EPA SAMPLE NO.

MBHN18

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHN18

Matrix: SOIL Lab Sample ID: P5212-23

% Solids: 74.8 Date Received: 12/07/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	6000		01/12/2025	1904
7440-36-0	Antimony	6.3	U*	01/12/2025	1904
7440-38-2	Arsenic	14	*	01/12/2025	1904
7440-39-3	Barium	340	*	01/12/2025	1904
7440-41-7	Beryllium	0.82	*	01/12/2025	1904
7440-43-9	Cadmium	1.8		01/12/2025	1904
7440-70-2	Calcium	9200		01/12/2025	1904
7440-47-3	Chromium	14	*	01/12/2025	1904
7440-48-4	Cobalt	17		01/12/2025	1904
7440-50-8	Copper	36	*	01/12/2025	1904
7439-89-6	Iron	20000	*	01/12/2025	1904
7439-92-1	Lead	88		01/12/2025	1904
7439-95-4	Magnesium	3300	*	01/12/2025	1904
7439-96-5	Manganese	7100	D	01/12/2025	2334
7440-02-0	Nickel	24		01/12/2025	1904
7440-09-7	Potassium	550		01/12/2025	1904
7782-49-2	Selenium	3.7	*	01/12/2025	1904
7440-22-4	Silver	1.0	U*	01/12/2025	1904
7440-23-5	Sodium	110	J	01/12/2025	1904
7440-28-0	Thallium	2.6	U	01/12/2025	1904
7440-62-2	Vanadium	15	*	01/12/2025	1904
7440-66-6	Zinc	210	*	01/12/2025	1904

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHN19

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHN18

Matrix: SOIL Lab Sample ID: P5212-01

% Solids: 75 Date Received: 12/07/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	6400		01/12/2025	1740
7440-36-0	Antimony	7.0	U*	01/12/2025	1740
7440-38-2	Arsenic	12	*	01/12/2025	1740
7440-39-3	Barium	240	*	01/12/2025	1740
7440-41-7	Beryllium	0.66	*	01/12/2025	1740
7440-43-9	Cadmium	1.9		01/12/2025	1740
7440-70-2	Calcium	6300		01/12/2025	1740
7440-47-3	Chromium	15	*	01/12/2025	1740
7440-48-4	Cobalt	17		01/12/2025	1740
7440-50-8	Copper	40	*	01/12/2025	1740
7439-89-6	Iron	18000	*	01/12/2025	1740
7439-92-1	Lead	99		01/12/2025	1740
7439-95-4	Magnesium	3200	*	01/12/2025	1740
7439-96-5	Manganese	3300		01/12/2025	1740
7440-02-0	Nickel	25		01/12/2025	1740
7440-09-7	Potassium	650		01/12/2025	1740
7782-49-2	Selenium	3.7	J*	01/12/2025	1740
7440-22-4	Silver	1.2	U*	01/12/2025	1740
7440-23-5	Sodium	130	J	01/12/2025	1740
7440-28-0	Thallium	2.9	U	01/12/2025	1740
7440-62-2	Vanadium	15	*	01/12/2025	1740
7440-66-6	Zinc	210	*	01/12/2025	1740

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHNF0

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHN18

Matrix: SOIL Lab Sample ID: P5212-02

% Solids: 71.3 Date Received: 12/07/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	7600		01/12/2025	1744
7440-36-0	Antimony	6.7	U*	01/12/2025	1744
7440-38-2	Arsenic	8.1	*	01/12/2025	1744
7440-39-3	Barium	130	*	01/12/2025	1744
7440-41-7	Beryllium	0.45	J*	01/12/2025	1744
7440-43-9	Cadmium	1.1		01/12/2025	1744
7440-70-2	Calcium	8300		01/12/2025	1744
7440-47-3	Chromium	26	*	01/12/2025	1744
7440-48-4	Cobalt	8.5		01/12/2025	1744
7440-50-8	Copper	54	*	01/12/2025	1744
7439-89-6	Iron	22000	*	01/12/2025	1744
7439-92-1	Lead	220		01/12/2025	1744
7439-95-4	Magnesium	3500	*	01/12/2025	1744
7439-96-5	Manganese	710		01/12/2025	1744
7440-02-0	Nickel	36		01/12/2025	1744
7440-09-7	Potassium	1000		01/12/2025	1744
7782-49-2	Selenium	5.1	*	01/12/2025	1744
7440-22-4	Silver	1.1	U*	01/12/2025	1744
7440-23-5	Sodium	110	J	01/12/2025	1744
7440-28-0	Thallium	2.8	U	01/12/2025	1744
7440-62-2	Vanadium	18	*	01/12/2025	1744
7440-66-6	Zinc	220	*	01/12/2025	1744

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHNF1

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHN18

Matrix: SOIL Lab Sample ID: P5212-03

% Solids: 76.2 Date Received: 12/07/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	7400		01/12/2025	1748
7440-36-0	Antimony	6.6	U*	01/12/2025	1748
7440-38-2	Arsenic	8.1	*	01/12/2025	1748
7440-39-3	Barium	130	*	01/12/2025	1748
7440-41-7	Beryllium	0.44	J*	01/12/2025	1748
7440-43-9	Cadmium	1.2		01/12/2025	1748
7440-70-2	Calcium	18000		01/12/2025	1748
7440-47-3	Chromium	22	*	01/12/2025	1748
7440-48-4	Cobalt	7.7		01/12/2025	1748
7440-50-8	Copper	51	*	01/12/2025	1748
7439-89-6	Iron	21000	*	01/12/2025	1748
7439-92-1	Lead	190		01/12/2025	1748
7439-95-4	Magnesium	5200	*	01/12/2025	1748
7439-96-5	Manganese	740		01/12/2025	1748
7440-02-0	Nickel	27		01/12/2025	1748
7440-09-7	Potassium	900		01/12/2025	1748
7782-49-2	Selenium	4.2	*	01/12/2025	1748
7440-22-4	Silver	1.1	U*	01/12/2025	1748
7440-23-5	Sodium	140	J	01/12/2025	1748
7440-28-0	Thallium	2.7	U	01/12/2025	1748
7440-62-2	Vanadium	17	*	01/12/2025	1748
7440-66-6	Zinc	220	*	01/12/2025	1748

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHNF2

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHN18

Matrix: SOIL Lab Sample ID: P5212-04

% Solids: 76.4 Date Received: 12/07/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	5800		01/12/2025	1752
7440-36-0	Antimony	6.5	U*	01/12/2025	1752
7440-38-2	Arsenic	9.6	*	01/12/2025	1752
7440-39-3	Barium	190	*	01/12/2025	1752
7440-41-7	Beryllium	0.48	J*	01/12/2025	1752
7440-43-9	Cadmium	1.1		01/12/2025	1752
7440-70-2	Calcium	15000		01/12/2025	1752
7440-47-3	Chromium	18	*	01/12/2025	1752
7440-48-4	Cobalt	9.1		01/12/2025	1752
7440-50-8	Copper	53	*	01/12/2025	1752
7439-89-6	Iron	16000	*	01/12/2025	1752
7439-92-1	Lead	340		01/12/2025	1752
7439-95-4	Magnesium	4400	*	01/12/2025	1752
7439-96-5	Manganese	1100		01/12/2025	1752
7440-02-0	Nickel	19		01/12/2025	1752
7440-09-7	Potassium	690		01/12/2025	1752
7782-49-2	Selenium	3.3	J*	01/12/2025	1752
7440-22-4	Silver	1.1	U*	01/12/2025	1752
7440-23-5	Sodium	120	J	01/12/2025	1752
7440-28-0	Thallium	2.7	U	01/12/2025	1752
7440-62-2	Vanadium	16	*	01/12/2025	1752
7440-66-6	Zinc	230	*	01/12/2025	1752

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHNF3

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHN18

Matrix: SOIL Lab Sample ID: P5212-05

% Solids: 75.4 Date Received: 12/07/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	6500		01/12/2025	1619
7440-36-0	Antimony	6.7	U*	01/12/2025	1619
7440-38-2	Arsenic	9.2	*	01/12/2025	1619
7440-39-3	Barium	170	*	01/12/2025	1619
7440-41-7	Beryllium	0.47	J*	01/12/2025	1619
7440-43-9	Cadmium	1.0		01/12/2025	1619
7440-70-2	Calcium	21000		01/12/2025	1619
7440-47-3	Chromium	18	*	01/12/2025	1619
7440-48-4	Cobalt	11		01/12/2025	1619
7440-50-8	Copper	40	*	01/12/2025	1619
7439-89-6	Iron	17000	*	01/12/2025	1619
7439-92-1	Lead	200		01/12/2025	1619
7439-95-4	Magnesium	4000	*	01/12/2025	1619
7439-96-5	Manganese	1100		01/12/2025	1619
7440-02-0	Nickel	18		01/12/2025	1619
7440-09-7	Potassium	700		01/12/2025	1619
7782-49-2	Selenium	3.3	J*	01/12/2025	1619
7440-22-4	Silver	1.1	U*	01/12/2025	1619
7440-23-5	Sodium	130	J	01/12/2025	1619
7440-28-0	Thallium	2.8	U	01/12/2025	1619
7440-62-2	Vanadium	16	*	01/12/2025	1619
7440-66-6	Zinc	140	*	01/12/2025	1619

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHNF4

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHN18

Matrix: SOIL Lab Sample ID: P5212-08

% Solids: 75 Date Received: 12/07/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	7000		01/13/2025	1250
7440-36-0	Antimony	1.6	J*	01/13/2025	1250
7440-38-2	Arsenic	11	*	01/13/2025	1250
7440-39-3	Barium	180	*	01/13/2025	1250
7440-41-7	Beryllium	0.65	*	01/13/2025	1250
7440-43-9	Cadmium	0.64		01/13/2025	1250
7440-70-2	Calcium	15000		01/13/2025	1250
7440-47-3	Chromium	22	*	01/13/2025	1250
7440-48-4	Cobalt	11		01/13/2025	1250
7440-50-8	Copper	41	*	01/13/2025	1250
7439-89-6	Iron	21000	*	01/13/2025	1250
7439-92-1	Lead	75		01/13/2025	1250
7439-95-4	Magnesium	3700	*	01/13/2025	1250
7439-96-5	Manganese	1500		01/13/2025	1250
7440-02-0	Nickel	18		01/13/2025	1250
7440-09-7	Potassium	700		01/13/2025	1250
7782-49-2	Selenium	3.1	J*	01/13/2025	1250
7440-22-4	Silver	1.3	U*	01/13/2025	1250
7440-23-5	Sodium	630	U	01/13/2025	1250
7440-28-0	Thallium	3.1	U	01/13/2025	1250
7440-62-2	Vanadium	20	*	01/13/2025	1250
7440-66-6	Zinc	110	*	01/13/2025	1250

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHNF5

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHN18

Matrix: SOIL Lab Sample ID: P5212-10

% Solids: 71.1 Date Received: 12/07/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	6600		01/12/2025	1815
7440-36-0	Antimony	8.3	U*	01/12/2025	1815
7440-38-2	Arsenic	7.3	*	01/12/2025	1815
7440-39-3	Barium	140	*	01/12/2025	1815
7440-41-7	Beryllium	0.46	J*	01/12/2025	1815
7440-43-9	Cadmium	0.68	J	01/12/2025	1815
7440-70-2	Calcium	18000		01/12/2025	1815
7440-47-3	Chromium	20	*	01/12/2025	1815
7440-48-4	Cobalt	9.8		01/12/2025	1815
7440-50-8	Copper	38	*	01/12/2025	1815
7439-89-6	Iron	17000	*	01/12/2025	1815
7439-92-1	Lead	69		01/12/2025	1815
7439-95-4	Magnesium	5200	*	01/12/2025	1815
7439-96-5	Manganese	1100		01/12/2025	1815
7440-02-0	Nickel	19		01/12/2025	1815
7440-09-7	Potassium	720		01/12/2025	1815
7782-49-2	Selenium	3.2	J*	01/12/2025	1815
7440-22-4	Silver	1.4	U*	01/12/2025	1815
7440-23-5	Sodium	110	J	01/12/2025	1815
7440-28-0	Thallium	3.5	U	01/12/2025	1815
7440-62-2	Vanadium	16	*	01/12/2025	1815
7440-66-6	Zinc	110	*	01/12/2025	1815

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHNF6

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHN18

Matrix: SOIL Lab Sample ID: P5212-11

% Solids: 76.5 Date Received: 12/07/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	3600		01/12/2025	1819
7440-36-0	Antimony	5.6	U*	01/12/2025	1819
7440-38-2	Arsenic	4.6	*	01/12/2025	1819
7440-39-3	Barium	51	*	01/12/2025	1819
7440-41-7	Beryllium	0.22	J*	01/12/2025	1819
7440-43-9	Cadmium	0.44	J	01/12/2025	1819
7440-70-2	Calcium	24000		01/12/2025	1819
7440-47-3	Chromium	11	*	01/12/2025	1819
7440-48-4	Cobalt	7.7		01/12/2025	1819
7440-50-8	Copper	20	*	01/12/2025	1819
7439-89-6	Iron	9500	*	01/12/2025	1819
7439-92-1	Lead	20		01/12/2025	1819
7439-95-4	Magnesium	5900	*	01/12/2025	1819
7439-96-5	Manganese	280		01/12/2025	1819
7440-02-0	Nickel	12		01/12/2025	1819
7440-09-7	Potassium	420	J	01/12/2025	1819
7782-49-2	Selenium	1.7	J*	01/12/2025	1819
7440-22-4	Silver	0.94	U*	01/12/2025	1819
7440-23-5	Sodium	110	J	01/12/2025	1819
7440-28-0	Thallium	2.4	U	01/12/2025	1819
7440-62-2	Vanadium	9.8	*	01/12/2025	1819
7440-66-6	Zinc	49	*	01/12/2025	1819

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHNJ4

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHN18

Matrix: Water Lab Sample ID: P5212-09

% Solids: Date Received: 12/07/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): ug/L

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	36	J	12/24/2024	0216
7440-36-0	Antimony	60	U	12/24/2024	0216
7440-38-2	Arsenic	10	U	12/24/2024	0216
7440-39-3	Barium	200	U	12/24/2024	0216
7440-41-7	Beryllium	5.0	U	12/24/2024	0216
7440-43-9	Cadmium	5.0	U	12/24/2024	0216
7440-70-2	Calcium	5000	U	12/24/2024	0216
7440-47-3	Chromium	10	U	12/24/2024	0216
7440-48-4	Cobalt	50	U	12/24/2024	0216
7440-50-8	Copper	25	U	12/24/2024	0216
7439-89-6	Iron	39	J	12/24/2024	0216
7439-92-1	Lead	10	U	12/24/2024	0216
7439-95-4	Magnesium	5000	U	12/24/2024	0216
7439-96-5	Manganese	120		12/24/2024	0216
7440-02-0	Nickel	40	U	12/24/2024	0216
7440-09-7	Potassium	5000	U	12/24/2024	0216
7782-49-2	Selenium	35	U	12/24/2024	0216
7440-22-4	Silver	10	U	12/24/2024	0216
7440-23-5	Sodium	5000	U	12/24/2024	0216
7440-28-0	Thallium	25	U	12/24/2024	0216
7440-62-2	Vanadium	50	U	12/24/2024	0216
7440-66-6	Zinc	19	J	12/24/2024	0216

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHNL2

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHN18

Matrix: SOIL Lab Sample ID: P5212-12

% Solids: 76.6 Date Received: 12/07/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	5400		01/12/2025	1823
7440-36-0	Antimony	6.4	U*	01/12/2025	1823
7440-38-2	Arsenic	7.2	*	01/12/2025	1823
7440-39-3	Barium	140	*	01/12/2025	1823
7440-41-7	Beryllium	0.30	J*	01/12/2025	1823
7440-43-9	Cadmium	1.8		01/12/2025	1823
7440-70-2	Calcium	11000		01/12/2025	1823
7440-47-3	Chromium	15	*	01/12/2025	1823
7440-48-4	Cobalt	5.0	J	01/12/2025	1823
7440-50-8	Copper	32	*	01/12/2025	1823
7439-89-6	Iron	12000	*	01/12/2025	1823
7439-92-1	Lead	240		01/12/2025	1823
7439-95-4	Magnesium	3900	*	01/12/2025	1823
7439-96-5	Manganese	360		01/12/2025	1823
7440-02-0	Nickel	16		01/12/2025	1823
7440-09-7	Potassium	600		01/12/2025	1823
7782-49-2	Selenium	2.7	J*	01/12/2025	1823
7440-22-4	Silver	1.1	U*	01/12/2025	1823
7440-23-5	Sodium	95	J	01/12/2025	1823
7440-28-0	Thallium	2.7	U	01/12/2025	1823
7440-62-2	Vanadium	13	*	01/12/2025	1823
7440-66-6	Zinc	460	*	01/12/2025	1823

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHNL3

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHN18

Matrix: SOIL Lab Sample ID: P5212-13

% Solids: 84.2 Date Received: 12/07/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	6000		01/12/2025	1827
7440-36-0	Antimony	5.2	U*	01/12/2025	1827
7440-38-2	Arsenic	7.9	*	01/12/2025	1827
7440-39-3	Barium	170	*	01/12/2025	1827
7440-41-7	Beryllium	0.32	J*	01/12/2025	1827
7440-43-9	Cadmium	1.4		01/12/2025	1827
7440-70-2	Calcium	11000		01/12/2025	1827
7440-47-3	Chromium	15	*	01/12/2025	1827
7440-48-4	Cobalt	5.8		01/12/2025	1827
7440-50-8	Copper	31	*	01/12/2025	1827
7439-89-6	Iron	17000	*	01/12/2025	1827
7439-92-1	Lead	220		01/12/2025	1827
7439-95-4	Magnesium	4000	*	01/12/2025	1827
7439-96-5	Manganese	510		01/12/2025	1827
7440-02-0	Nickel	15		01/12/2025	1827
7440-09-7	Potassium	380	J	01/12/2025	1827
7782-49-2	Selenium	3.7	*	01/12/2025	1827
7440-22-4	Silver	0.87	U*	01/12/2025	1827
7440-23-5	Sodium	89	J	01/12/2025	1827
7440-28-0	Thallium	2.2	U	01/12/2025	1827
7440-62-2	Vanadium	17	*	01/12/2025	1827
7440-66-6	Zinc	320	*	01/12/2025	1827

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHNL4

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHN18

Matrix: SOIL Lab Sample ID: P5212-14

% Solids: 85.8 Date Received: 12/07/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	4900		01/12/2025	1831
7440-36-0	Antimony	0.51	J*	01/12/2025	1831
7440-38-2	Arsenic	12	*	01/12/2025	1831
7440-39-3	Barium	270	*	01/12/2025	1831
7440-41-7	Beryllium	0.23	J*	01/12/2025	1831
7440-43-9	Cadmium	2.9		01/12/2025	1831
7440-70-2	Calcium	13000		01/12/2025	1831
7440-47-3	Chromium	20	*	01/12/2025	1831
7440-48-4	Cobalt	6.4		01/12/2025	1831
7440-50-8	Copper	48	*	01/12/2025	1831
7439-89-6	Iron	37000	*	01/12/2025	1831
7439-92-1	Lead	360		01/12/2025	1831
7439-95-4	Magnesium	4900	*	01/12/2025	1831
7439-96-5	Manganese	490		01/12/2025	1831
7440-02-0	Nickel	20		01/12/2025	1831
7440-09-7	Potassium	340	J	01/12/2025	1831
7782-49-2	Selenium	7.3	*	01/12/2025	1831
7440-22-4	Silver	0.92	U*	01/12/2025	1831
7440-23-5	Sodium	130	J	01/12/2025	1831
7440-28-0	Thallium	2.3	U	01/12/2025	1831
7440-62-2	Vanadium	13	*	01/12/2025	1831
7440-66-6	Zinc	540	*	01/12/2025	1831

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHNL5

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHN18

Matrix: SOIL Lab Sample ID: P5212-15

% Solids: 79.7 Date Received: 12/07/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	5200		01/12/2025	1835
7440-36-0	Antimony	1.7	J*	01/12/2025	1835
7440-38-2	Arsenic	15	*	01/12/2025	1835
7440-39-3	Barium	310	*	01/12/2025	1835
7440-41-7	Beryllium	0.52	*	01/12/2025	1835
7440-43-9	Cadmium	2.3		01/12/2025	1835
7440-70-2	Calcium	9300		01/12/2025	1835
7440-47-3	Chromium	21	*	01/12/2025	1835
7440-48-4	Cobalt	7.8		01/12/2025	1835
7440-50-8	Copper	74	*	01/12/2025	1835
7439-89-6	Iron	17000	*	01/12/2025	1835
7439-92-1	Lead	590		01/12/2025	1835
7439-95-4	Magnesium	2300	*	01/12/2025	1835
7439-96-5	Manganese	640		01/12/2025	1835
7440-02-0	Nickel	19		01/12/2025	1835
7440-09-7	Potassium	450	J	01/12/2025	1835
7782-49-2	Selenium	3.5	J*	01/12/2025	1835
7440-22-4	Silver	1.0	U*	01/12/2025	1835
7440-23-5	Sodium	180	J	01/12/2025	1835
7440-28-0	Thallium	2.6	U	01/12/2025	1835
7440-62-2	Vanadium	16	*	01/12/2025	1835
7440-66-6	Zinc	550	*	01/12/2025	1835

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHNL6

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHN18

Matrix: SOIL Lab Sample ID: P5212-16

% Solids: 80.6 Date Received: 12/07/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	4800		01/12/2025	1839
7440-36-0	Antimony	5.6	U*	01/12/2025	1839
7440-38-2	Arsenic	4.0	*	01/12/2025	1839
7440-39-3	Barium	63	*	01/12/2025	1839
7440-41-7	Beryllium	0.37	J*	01/12/2025	1839
7440-43-9	Cadmium	0.51		01/12/2025	1839
7440-70-2	Calcium	59000		01/12/2025	1839
7440-47-3	Chromium	10	*	01/12/2025	1839
7440-48-4	Cobalt	7.8		01/12/2025	1839
7440-50-8	Copper	21	*	01/12/2025	1839
7439-89-6	Iron	12000	*	01/12/2025	1839
7439-92-1	Lead	30		01/12/2025	1839
7439-95-4	Magnesium	12000	*	01/12/2025	1839
7439-96-5	Manganese	1200		01/12/2025	1839
7440-02-0	Nickel	14		01/12/2025	1839
7440-09-7	Potassium	760		01/12/2025	1839
7782-49-2	Selenium	1.4	J*	01/12/2025	1839
7440-22-4	Silver	0.93	U*	01/12/2025	1839
7440-23-5	Sodium	130	J	01/12/2025	1839
7440-28-0	Thallium	2.3	U	01/12/2025	1839
7440-62-2	Vanadium	13	*	01/12/2025	1839
7440-66-6	Zinc	50	*	01/12/2025	1839

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHNL8

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHN18

Matrix: SOIL Lab Sample ID: P5212-20

% Solids: 88.8 Date Received: 12/07/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	4500		01/12/2025	1843
7440-36-0	Antimony	5.6	U*	01/12/2025	1843
7440-38-2	Arsenic	5.6	*	01/12/2025	1843
7440-39-3	Barium	79	*	01/12/2025	1843
7440-41-7	Beryllium	0.37	J*	01/12/2025	1843
7440-43-9	Cadmium	0.58		01/12/2025	1843
7440-70-2	Calcium	66000		01/12/2025	1843
7440-47-3	Chromium	11	*	01/12/2025	1843
7440-48-4	Cobalt	7.0		01/12/2025	1843
7440-50-8	Copper	21	*	01/12/2025	1843
7439-89-6	Iron	14000	*	01/12/2025	1843
7439-92-1	Lead	13		01/12/2025	1843
7439-95-4	Magnesium	10000	*	01/12/2025	1843
7439-96-5	Manganese	1400		01/12/2025	1843
7440-02-0	Nickel	14		01/12/2025	1843
7440-09-7	Potassium	790		01/12/2025	1843
7782-49-2	Selenium	1.8	J*	01/12/2025	1843
7440-22-4	Silver	0.93	U*	01/12/2025	1843
7440-23-5	Sodium	120	J	01/12/2025	1843
7440-28-0	Thallium	2.3	U	01/12/2025	1843
7440-62-2	Vanadium	12	*	01/12/2025	1843
7440-66-6	Zinc	52	*	01/12/2025	1843

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHNL9

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHN18

Matrix: SOIL Lab Sample ID: P5212-21

% Solids: 85.4 Date Received: 12/07/2024

Analytical Method: ICP_AES

Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	6100		01/12/2025	1847
7440-36-0	Antimony	5.1	U*	01/12/2025	1847
7440-38-2	Arsenic	11	*	01/12/2025	1847
7440-39-3	Barium	140	*	01/12/2025	1847
7440-41-7	Beryllium	0.50	*	01/12/2025	1847
7440-43-9	Cadmium	1.1		01/12/2025	1847
7440-70-2	Calcium	3600		01/12/2025	1847
7440-47-3	Chromium	11	*	01/12/2025	1847
7440-48-4	Cobalt	12		01/12/2025	1847
7440-50-8	Copper	21	*	01/12/2025	1847
7439-89-6	Iron	18000	*	01/12/2025	1847
7439-92-1	Lead	37		01/12/2025	1847
7439-95-4	Magnesium	1700	*	01/12/2025	1847
7439-96-5	Manganese	1200		01/12/2025	1847
7440-02-0	Nickel	17		01/12/2025	1847
7440-09-7	Potassium	470		01/12/2025	1847
7782-49-2	Selenium	3.6	*	01/12/2025	1847
7440-22-4	Silver	0.86	U*	01/12/2025	1847
7440-23-5	Sodium	80	J	01/12/2025	1847
7440-28-0	Thallium	2.1	U	01/12/2025	1847
7440-62-2	Vanadium	14	*	01/12/2025	1847
7440-66-6	Zinc	130	*	01/12/2025	1847

NOTE: Hardness (total) is reported in mg/L

Comments:

EPA SAMPLE NO.

MBHNM0

FORM 1 - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHN18

Matrix: SOIL Lab Sample ID: P5212-22

% Solids: 76.2 Date Received: 12/07/2024

Analytical Method: ICP_AES

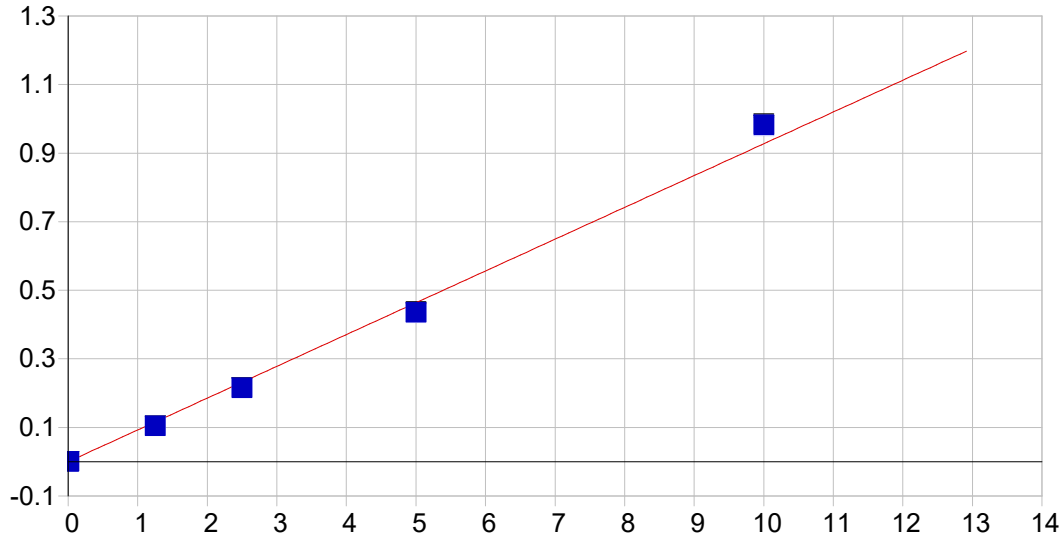
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	6900		01/12/2025	1900
7440-36-0	Antimony	7.0	U*	01/12/2025	1900
7440-38-2	Arsenic	8.2	*	01/12/2025	1900
7440-39-3	Barium	170	*	01/12/2025	1900
7440-41-7	Beryllium	0.74	*	01/12/2025	1900
7440-43-9	Cadmium	1.3		01/12/2025	1900
7440-70-2	Calcium	4100		01/12/2025	1900
7440-47-3	Chromium	15	*	01/12/2025	1900
7440-48-4	Cobalt	9.3		01/12/2025	1900
7440-50-8	Copper	20	*	01/12/2025	1900
7439-89-6	Iron	15000	*	01/12/2025	1900
7439-92-1	Lead	42		01/12/2025	1900
7439-95-4	Magnesium	2000	*	01/12/2025	1900
7439-96-5	Manganese	2100		01/12/2025	1900
7440-02-0	Nickel	20		01/12/2025	1900
7440-09-7	Potassium	600		01/12/2025	1900
7782-49-2	Selenium	2.8	J*	01/12/2025	1900
7440-22-4	Silver	1.2	U*	01/12/2025	1900
7440-23-5	Sodium	590	U	01/12/2025	1900
7440-28-0	Thallium	2.9	U	01/12/2025	1900
7440-62-2	Vanadium	17	*	01/12/2025	1900
7440-66-6	Zinc	81	*	01/12/2025	1900

NOTE: Hardness (total) is reported in mg/L

Comments:

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



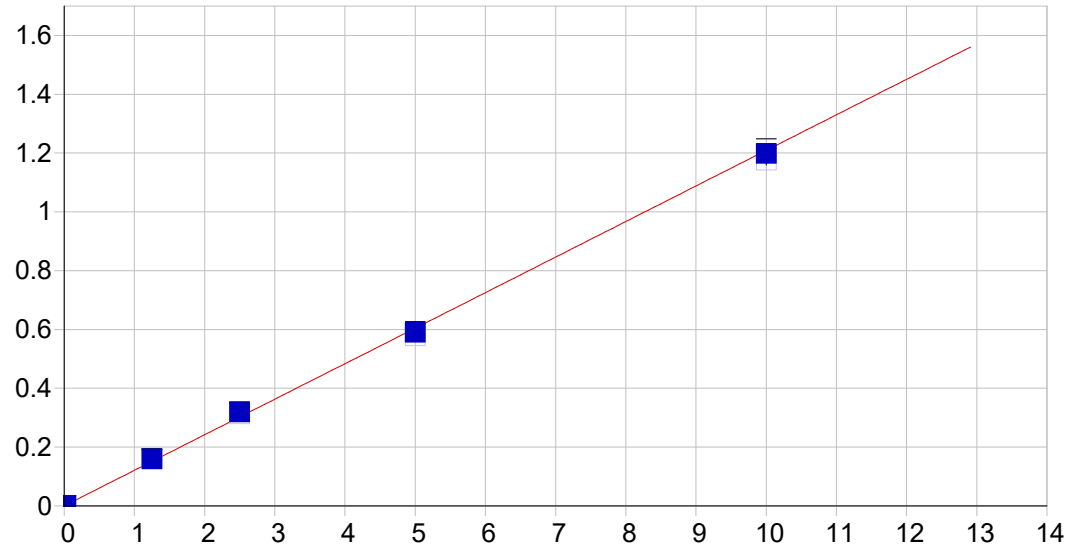
As 189.042 {479}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000036	Re-Slope:	1.000000
A1 (Gain):	0.092726	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.997932	Status:	OK.
Std Error of Est:	0.000100		
Predicted MDL:	0.002428		
Predicted MQL:	0.008093		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00004	.000	1
S1	.01000	.00900	-.001	-10.0	.00080	.000	1
S3	2.5000	2.3279	-.172	-6.88	.21489	.000	1
S4	5.0000	4.6998	-.300	-6.00	.43391	.002	1
S5	10.000	10.595	.595	5.95	.97869	.003	1
S2	1.2500	1.1283	-.122	-9.74	.10412	.000	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



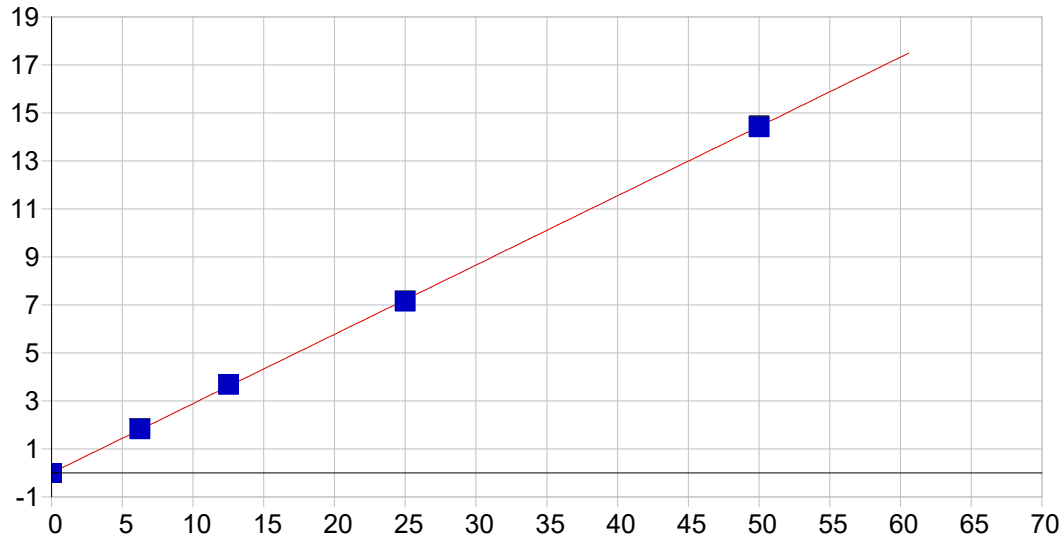
Tl 190.856 {477}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000180	Re-Slope:	1.000000
A1 (Gain):	0.120880	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999576	Status:	OK.
Std Error of Est:	0.000092		
Predicted MDL:	0.001598		
Predicted MQL:	0.005325		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00018	.000	1
S1	.02500	.02752	.003	10.1	.00338	.000	1
S3	2.5000	2.6347	.135	5.39	.31282	.002	1
S4	5.0000	4.8774	-.123	-2.45	.57807	.004	1
S5	10.000	9.9141	-.086	-.859	1.1752	.016	1
S2	1.2500	1.3213	.071	5.71	.15698	.000	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



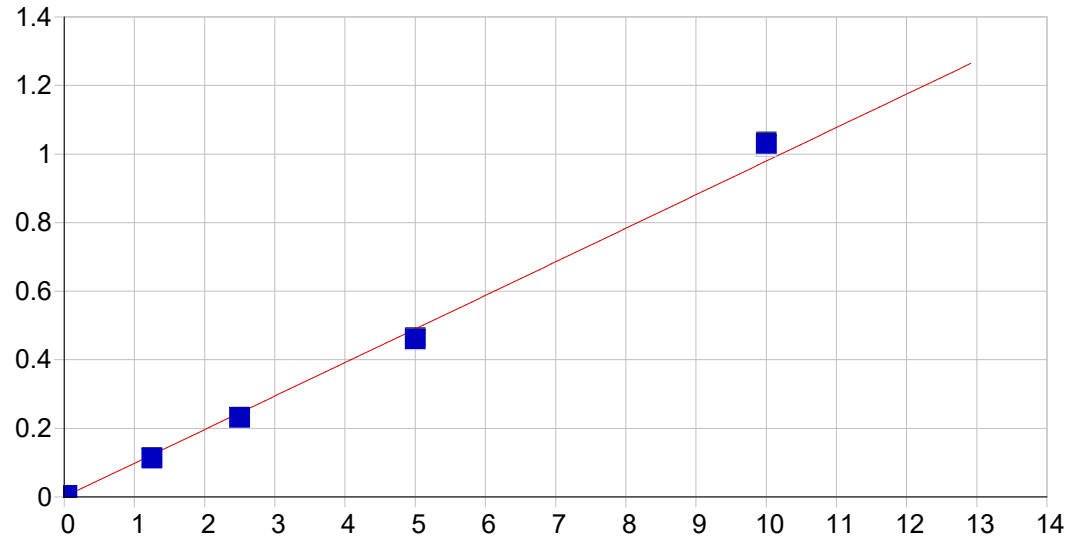
Pb 220.353 {453}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000148	Re-Slope:	1.000000
A1 (Gain):	0.288689	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999954	Status:	OK.
Std Error of Est:	0.000103		
Predicted MDL:	0.001519		
Predicted MQL:	0.005063		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00015	.001	1
S1	.01000	.01016	.000	1.64	.00277	.001	1
S3	12.500	12.740	.240	1.92	3.6748	.002	1
S4	25.000	24.758	-.242	-.967	7.1412	.015	1
S5	50.000	49.907	-.093	-.185	14.395	.051	1
S2	6.2500	6.3439	.094	1.50	1.8298	.005	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



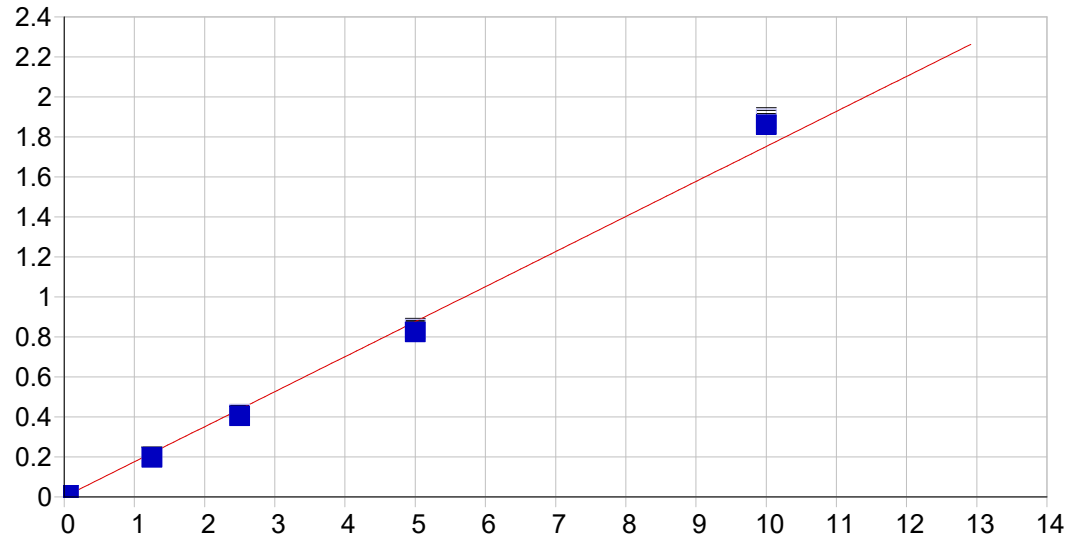
Se 196.090 {472}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000407	Re-Slope:	1.000000
A1 (Gain):	0.097877	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998404	Status:	OK.
Std Error of Est:	0.000172		
Predicted MDL:	0.002899		
Predicted MQL:	0.009664		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00041	.000	1
S1	.03500	.03348	-.002	-4.34	.00368	.000	1
S3	2.5000	2.3652	-.135	-5.39	.22965	.001	1
S4	5.0000	4.7106	-.289	-5.79	.45696	.002	1
S5	10.000	10.523	.523	5.23	1.0213	.004	1
S2	1.2500	1.1528	-.097	-7.78	.11211	.000	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



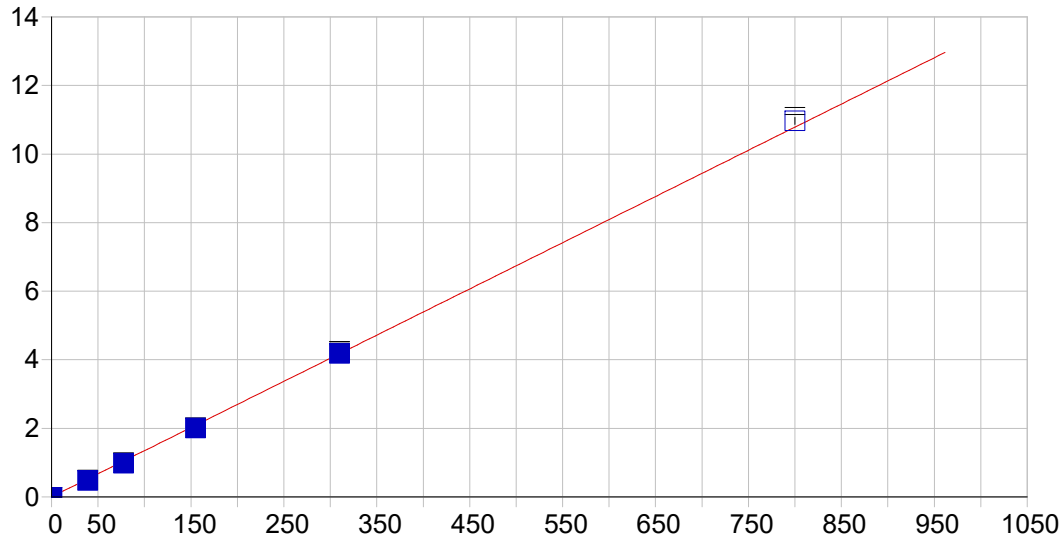
Sb 206.833 {463}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000425	Re-Slope:	1.000000
A1 (Gain):	0.175170	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.997818	Status:	OK.
Std Error of Est:	0.000484		
Predicted MDL:	0.001924		
Predicted MQL:	0.006414		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00043	.000	1
S1	.06000	.05130	-.009	-14.5	.00940	.000	1
S3	2.5000	2.3107	-.189	-7.57	.41235	.001	1
S4	5.0000	4.7025	-.297	-5.95	.83848	.004	1
S5	10.000	10.623	.623	6.23	1.8898	.006	1
S2	1.2500	1.1226	-.127	-10.2	.20065	.001	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



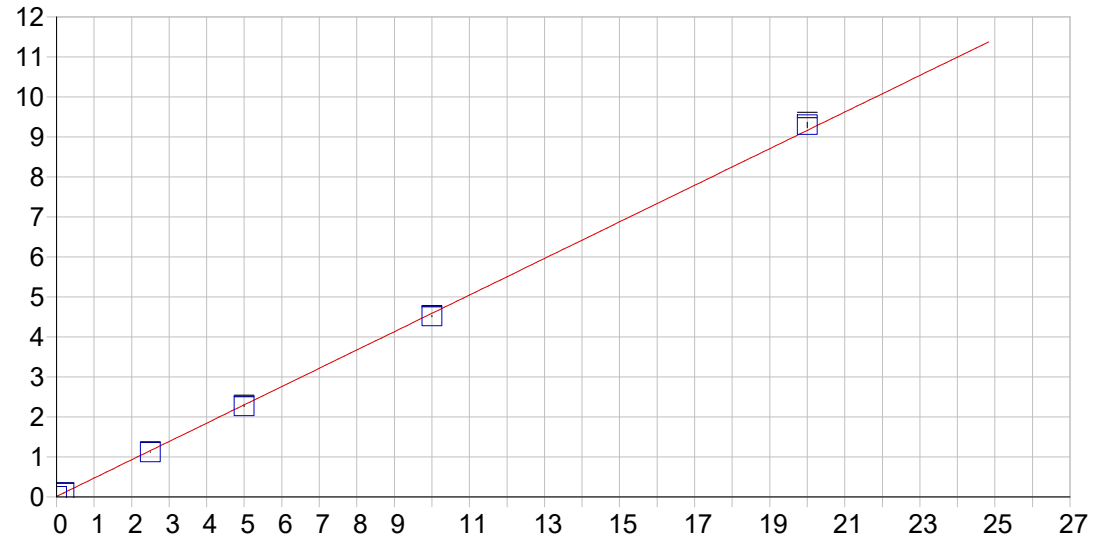
Al 396.152 { 85}

Date of Fit:	1/12/2025 2:29:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000102	Re-Slope:	1.000000
A1 (Gain):	0.013481	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999630	Status:	OK.
Std Error of Est:	0.000228		
Predicted MDL:	0.010951		
Predicted MQL:	0.036504		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00010	.000	1
S1	.20000	.21474	.015	7.37	.00300	.000	1
S3	77.500	72.861	-4.64	-5.99	.98357	.006	1
S4	155.00	148.77	-6.23	-4.02	2.0081	.003	1
S5	310.00	310.49	.491	.158	4.1908	.048	1
S2	38.750	35.562	-3.19	-8.23	.48013	.002	1
S6	800.00	813.57	13.6	1.70	10.968	.103	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



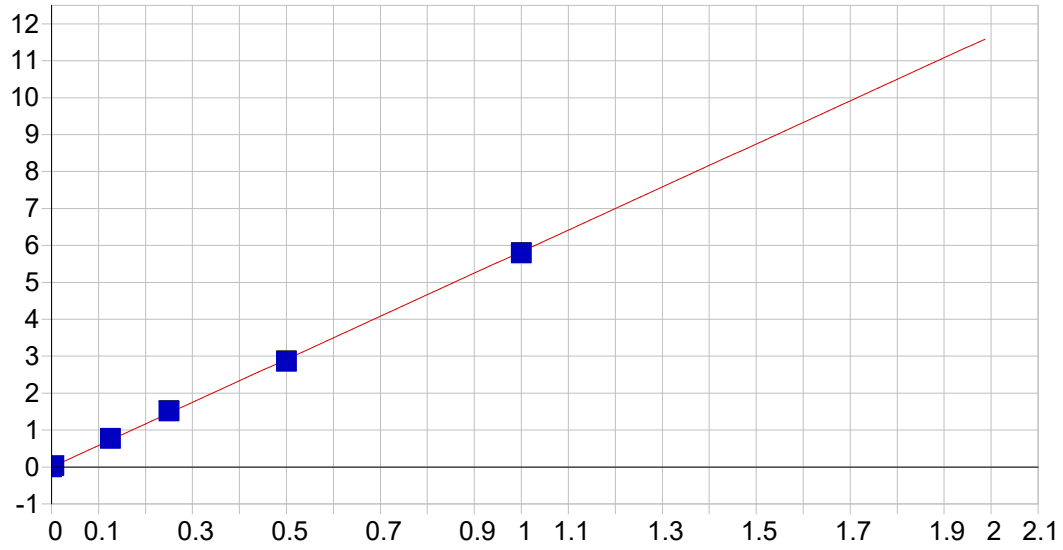
Ba 493.409 { 68}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.013631	Re-Slope:	1.000000
A1 (Gain):	0.457506	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999858	Status:	OK.
Std Error of Est:	0.000819		
Predicted MDL:	0.001017		
Predicted MQL:	0.003391		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.01364	.000	1
S1	.20000	.18965	-.010	-5.17	.10040	.001	1
S3	5.0000	4.9395	-.061	-1.21	2.2735	.021	1
S4	10.000	9.8502	-.150	-1.50	4.5202	.019	1
S5	20.000	20.302	.302	1.51	9.3019	.069	1
S2	2.5000	2.4188	-.081	-3.25	1.1202	.006	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



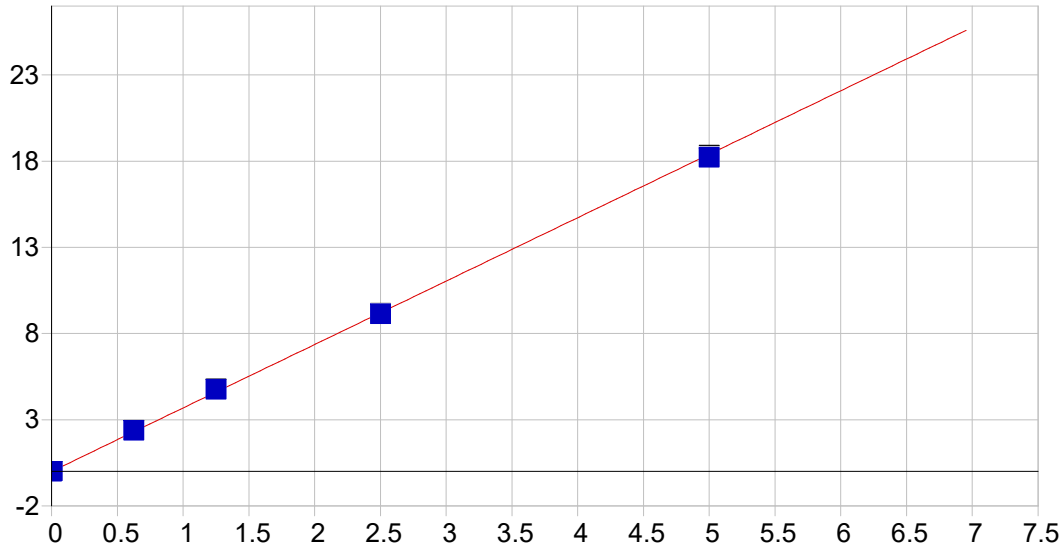
Be 234.861 {144}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000087	Re-Slope:	1.000000
A1 (Gain):	5.831456	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999734	Status:	OK.
Std Error of Est:	0.000503		
Predicted MDL:	0.000078		
Predicted MQL:	0.000259		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00008	.000	1
S1	.00500	.00530	.000	6.02	.03096	.000	1
S3	.25000	.25944	.009	3.78	1.5064	.005	1
S4	.50000	.48994	-.010	-2.01	2.8440	.013	1
S5	1.0000	.99349	-.007	-.651	5.7673	.012	1
S2	.12500	.13183	.007	5.46	.76554	.004	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



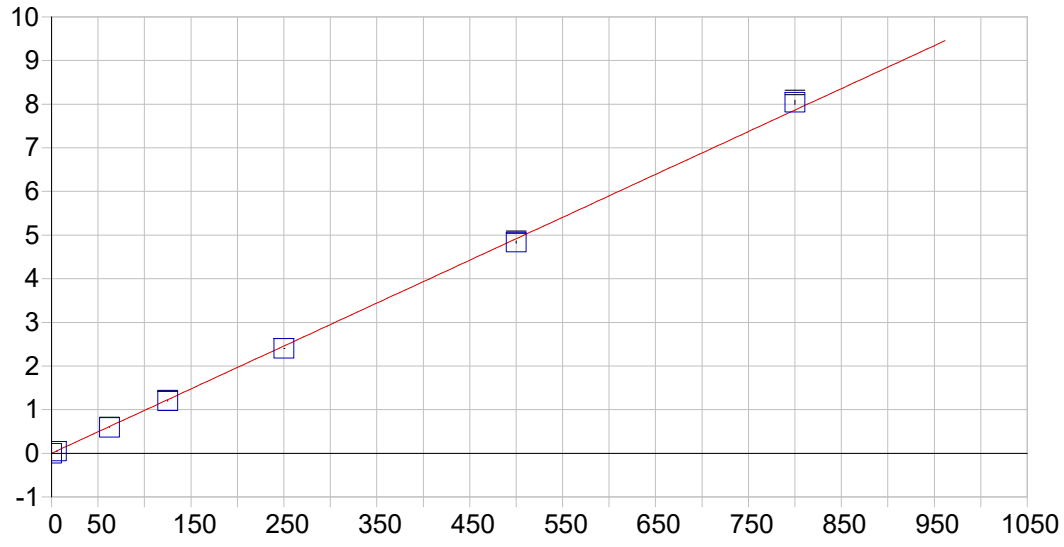
Cd 214.438 {457}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000026	Re-Slope:	1.000000
A1 (Gain):	3.680984	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999846	Status:	OK.
Std Error of Est:	0.000543		
Predicted MDL:	0.000077		
Predicted MQL:	0.000257		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00003	.000	1
S1	.00500	.00506	.000	1.24	.01867	.000	1
S3	1.2500	1.2948	.045	3.59	4.7754	.005	1
S4	2.5000	2.4831	-.017	-.675	9.1586	.022	1
S5	5.0000	4.9510	-.049	-.981	18.261	.082	1
S2	.62500	.64601	.021	3.36	2.3825	.006	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



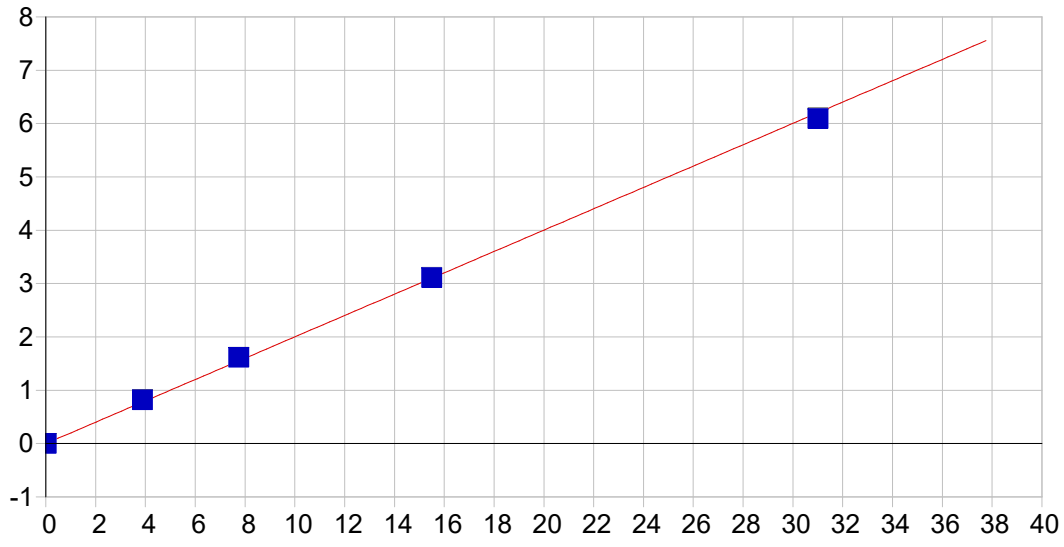
Ca 373.690 { 90}

Date of Fit:	1/12/2025 2:29:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000016	Re-Slope:	1.000000
A1 (Gain):	0.009832	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999773	Status:	OK.
Std Error of Est:	0.000732		
Predicted MDL:	0.011714		
Predicted MQL:	0.039048		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00048	.000	.000	.00002	.000	1
S2	62.500	60.391	-2.11	-3.37	.59377	.002	1
S3	125.00	122.38	-2.62	-2.10	1.2032	.008	1
S4	250.00	244.44	-5.56	-2.22	2.4033	.003	1
S5	500.00	492.15	-7.85	-1.57	4.8388	.027	1
S1	5.0000	4.8719	-.128	-2.56	.04792	.000	1
S6	800.00	818.26	18.3	2.28	8.0450	.052	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



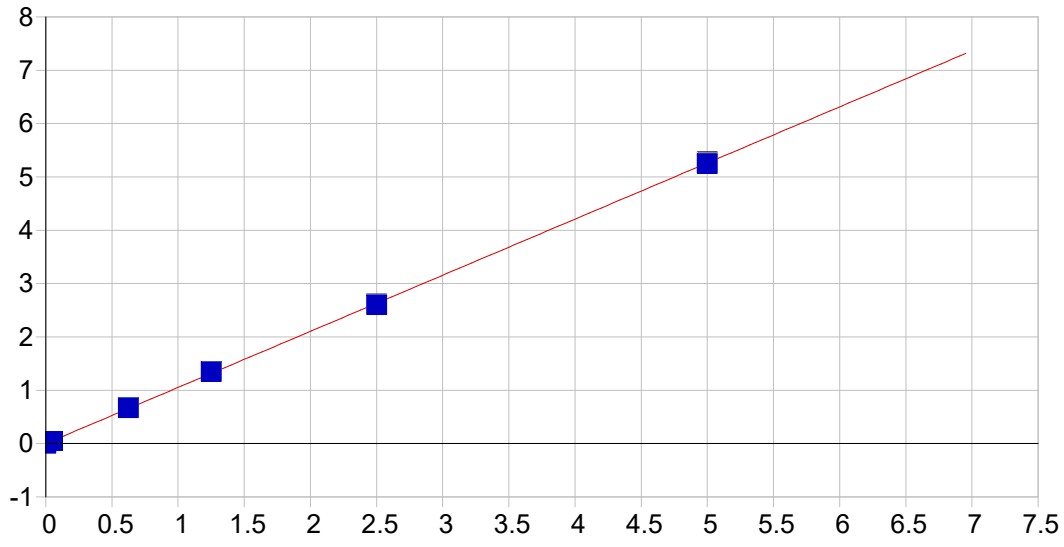
Cr 267.716 {126}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000041	Re-Slope:	1.000000
A1 (Gain):	0.200102	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999698	Status:	OK.
Std Error of Est:	0.000145		
Predicted MDL:	0.000451		
Predicted MQL:	0.001502		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00004	.000	1
S1	.01000	.01051	.001	5.13	.00215	.000	1
S3	7.7500	8.0695	.320	4.12	1.6152	.002	1
S4	15.500	15.534	.034	.219	3.1092	.005	1
S5	31.000	30.435	-.565	-1.82	6.0916	.011	1
S2	3.8750	4.0864	.211	5.45	.81793	.001	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



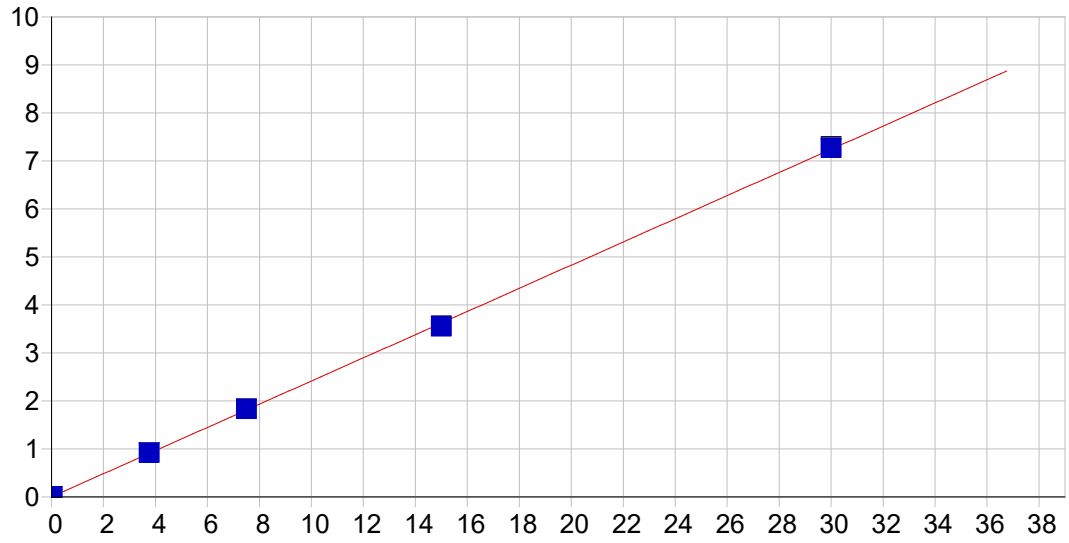
Co 228.616 {448}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000050	Re-Slope:	1.000000
A1 (Gain):	1.052193	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999933	Status:	OK.
Std Error of Est:	0.000325		
Predicted MDL:	0.000290		
Predicted MQL:	0.000966		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00005	.000	1
S1	.05000	.04973	-.000	-.531	.05248	.000	1
S3	1.2500	1.2793	.029	2.35	1.3511	.002	1
S4	2.5000	2.4730	-.027	-1.08	2.6120	.006	1
S5	5.0000	4.9854	-.015	-.292	5.2656	.018	1
S2	.62500	.63754	.013	2.01	.67327	.002	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



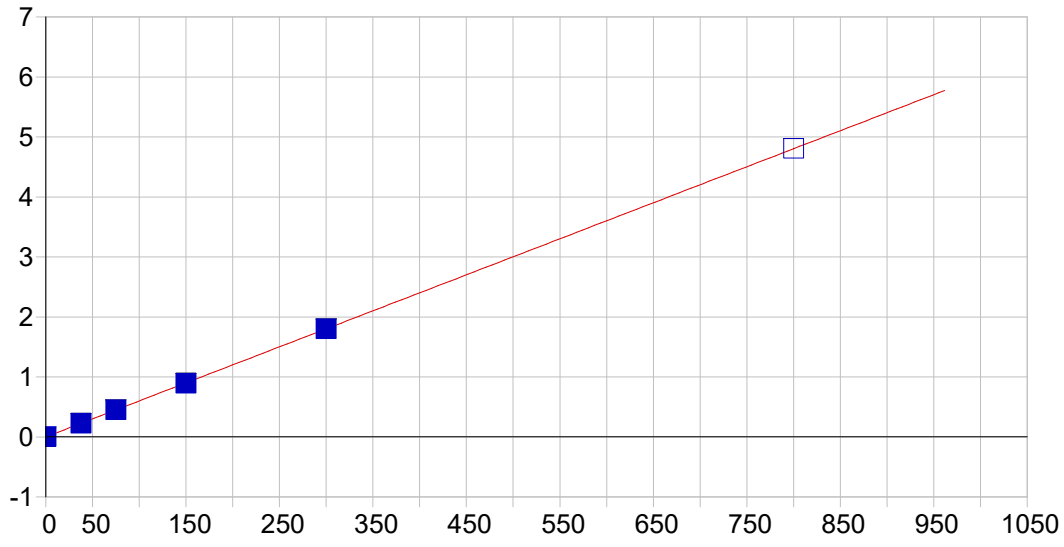
Cu 324.754 {104}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000772	Re-Slope:	1.000000
A1 (Gain):	0.241369	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999924	Status:	OK.
Std Error of Est:	0.000137		
Predicted MDL:	0.002443		
Predicted MQL:	0.008145		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00077	.000	1
S1	.02500	.02604	.001	4.17	.00706	.000	1
S3	7.5000	7.5844	.084	1.13	1.8312	.003	1
S4	15.000	14.709	-.291	-1.94	3.5506	.009	1
S5	30.000	30.136	.136	.455	7.2741	.022	1
S2	3.7500	3.8195	.069	1.85	.92258	.003	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



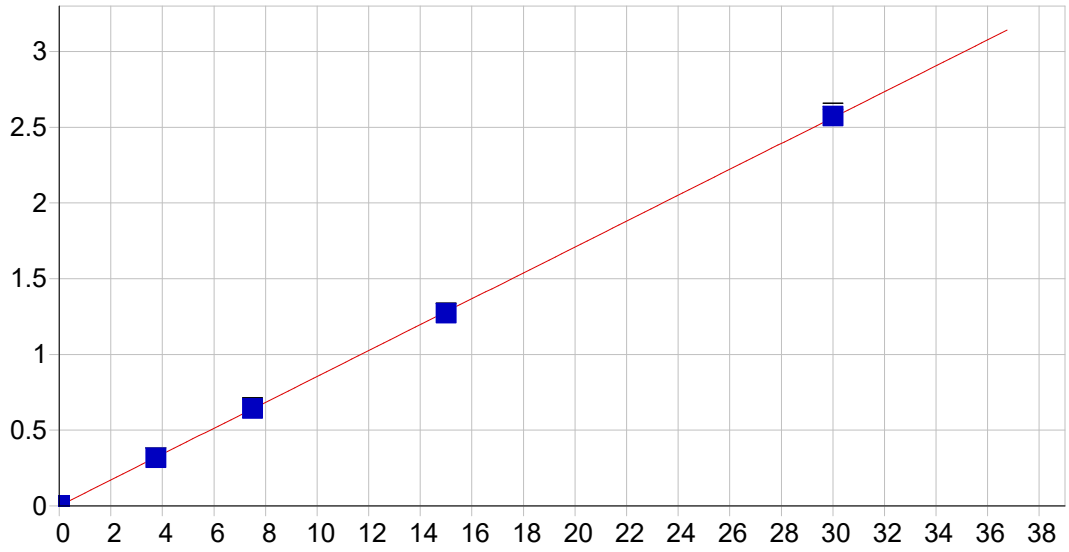
Fe 259.837 {130}

Date of Fit:	1/12/2025 2:29:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000001	Re-Slope:	1.000000
A1 (Gain):	0.006004	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999995	Status:	OK.
Std Error of Est:	0.000008		
Predicted MDL:	0.007620		
Predicted MQL:	0.025400		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00000	.000	1
S1	.10000	.10456	.005	4.56	.00062	.000	1
S3	75.000	75.267	.267	.356	.45141	.002	1
S4	150.00	148.77	-1.23	-.818	.89225	.001	1
S5	300.00	300.13	.131	.044	1.8000	.004	1
S2	37.500	37.402	-.098	-.262	.22432	.001	1
S6	800.00	800.92	.922	.115	4.8084	.002	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



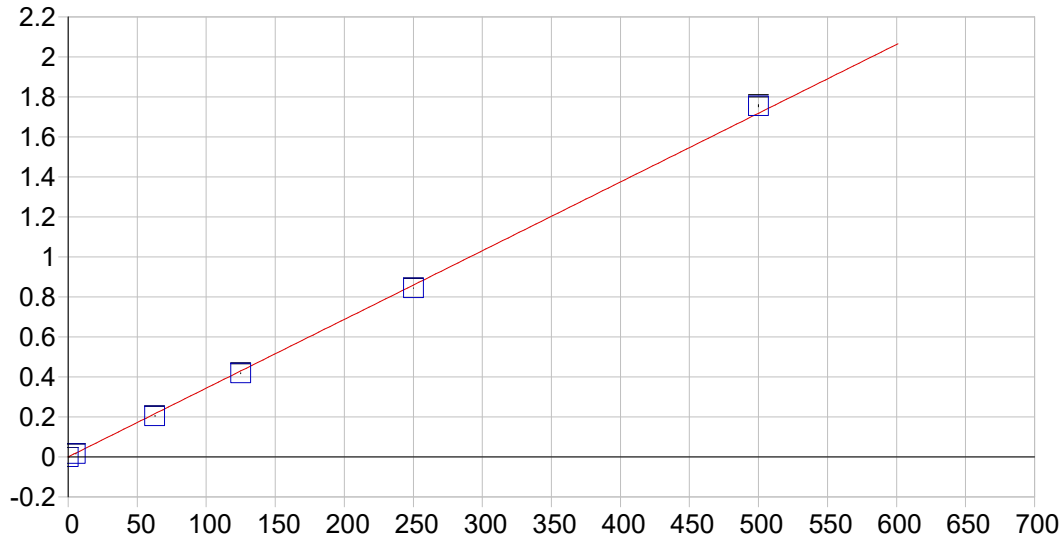
Mn 257.610 {131}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000012	Re-Slope:	1.000000
A1 (Gain):	0.085459	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999985	Status:	OK.
Std Error of Est:	0.000017		
Predicted MDL:	0.000488		
Predicted MQL:	0.001628		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00001	.000	1
S1	.01500	.01485	-.000	-1.02	.00128	.000	1
S3	7.5000	7.5268	.027	.357	.64280	.005	1
S4	15.000	14.889	-.111	-.742	1.2715	.002	1
S5	30.000	30.120	.120	.399	2.5722	.019	1
S2	3.7500	3.7151	-.035	-.931	.31728	.001	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



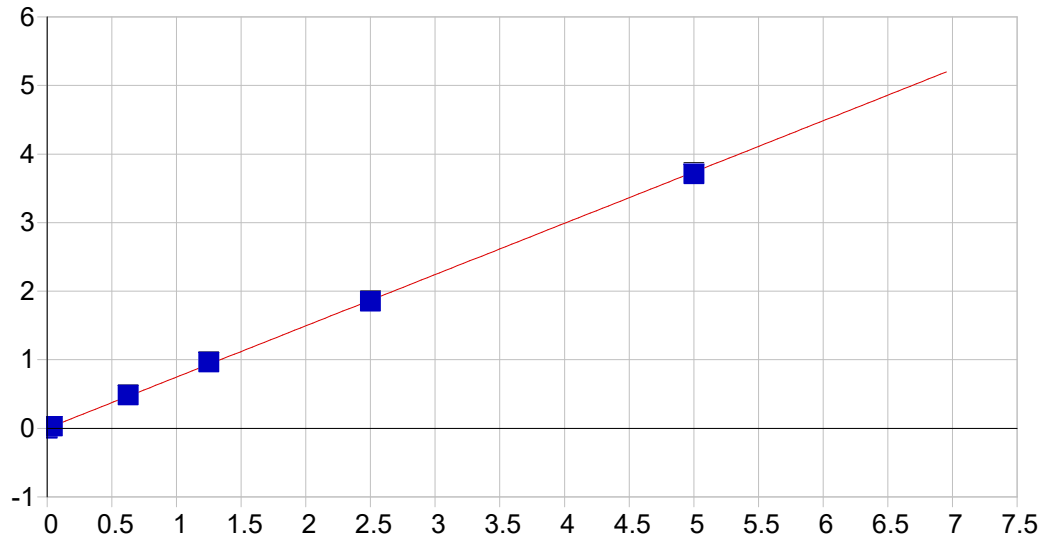
Mg 279.079 {121}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000067	Re-Slope:	1.000000
A1 (Gain):	0.003437	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999702	Status:	OK.
Std Error of Est:	0.000223		
Predicted MDL:	0.017482		
Predicted MQL:	0.058275		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00078	.001	.000	-.00006	.000	1
S2	62.500	59.612	-2.89	-4.62	.20482	.001	1
S3	125.00	121.86	-3.14	-2.51	.41878	.002	1
S4	250.00	245.64	-4.36	-1.75	.84419	.001	1
S5	500.00	510.83	10.8	2.17	1.7557	.005	1
S1	5.0000	4.5566	-.443	-8.87	.01559	.000	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



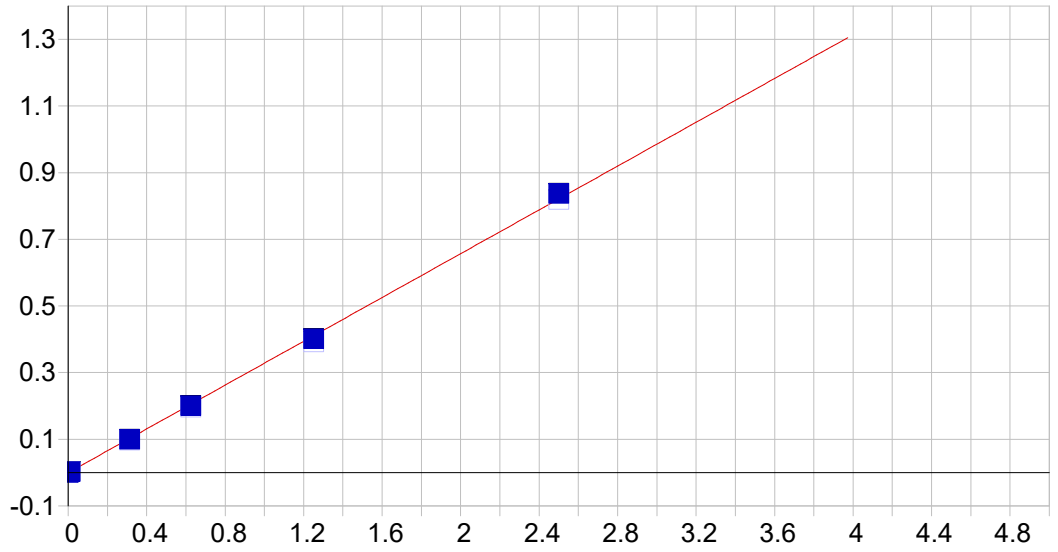
Ni 231.604 {446}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000039	Re-Slope:	1.000000
A1 (Gain):	0.747494	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999875	Status:	OK.
Std Error of Est:	0.000281		
Predicted MDL:	0.000455		
Predicted MQL:	0.001517		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00004	.000	1
S1	.04000	.04091	.001	2.27	.03057	.000	1
S3	1.2500	1.2894	.039	3.15	.96597	.000	1
S4	2.5000	2.4782	-.022	-.873	1.8568	.005	1
S5	5.0000	4.9618	-.038	-.763	3.7177	.012	1
S2	.62500	.64467	.020	3.15	.48294	.001	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



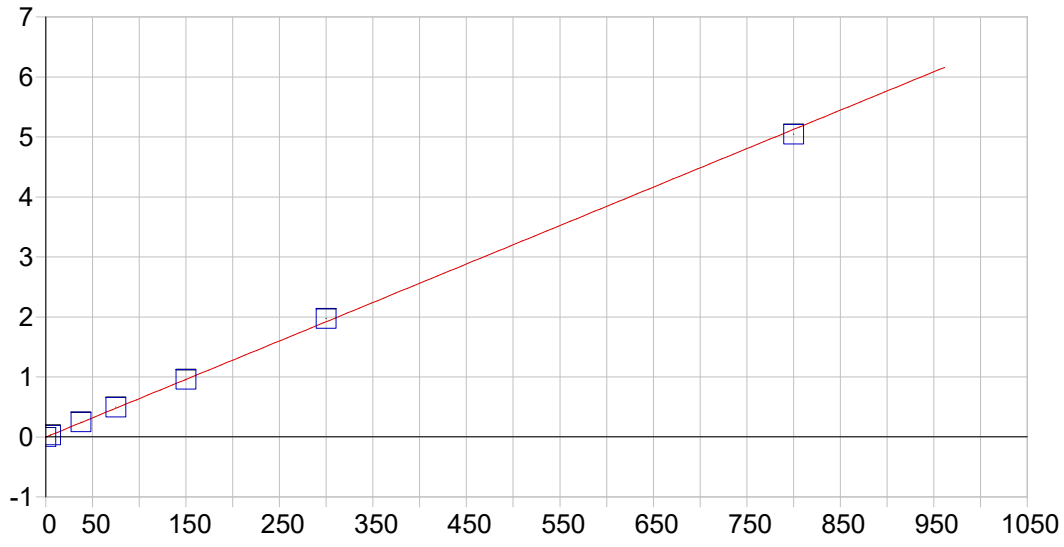
Ag 328.068 {103}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000377	Re-Slope:	1.000000
A1 (Gain):	0.328618	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999756	Status:	OK.
Std Error of Est:	0.000060		
Predicted MDL:	0.000449		
Predicted MQL:	0.001496		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00038	.000	1
S1	.01000	.00998	-.000	-.195	.00288	.000	1
S3	.62500	.61193	-.013	-2.09	.19594	.001	1
S4	1.2500	1.2213	-.029	-2.29	.39143	.001	1
S5	2.5000	2.5504	.050	2.02	.81864	.001	1
S2	.31250	.30383	-.009	-2.77	.09708	.000	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



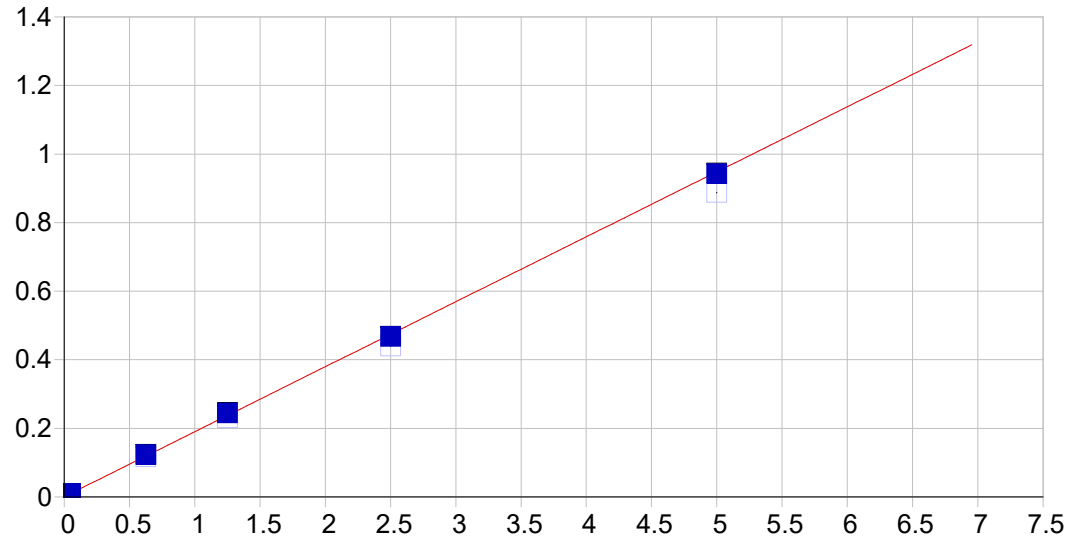
Na 818.326 { 41}

Date of Fit:	1/12/2025 2:29:46	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.002939	Re-Slope:	1.000000
A1 (Gain):	0.006409	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999782	Status:	OK.
Std Error of Est:	0.000413		
Predicted MDL:	0.269073		
Predicted MQL:	0.896909		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00074	-.001	.000	-.00294	.001	1
S2	37.500	38.925	1.42	3.80	.24654	.003	1
S3	75.000	77.801	2.80	3.73	.49571	.001	1
S4	150.00	149.93	-.071	-.047	.95801	.004	1
S5	300.00	308.12	8.12	2.71	1.9719	.004	1
S1	5.0000	5.3040	.304	6.08	.03106	.001	1
S6	800.00	787.42	-12.6	-1.57	5.0439	.003	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



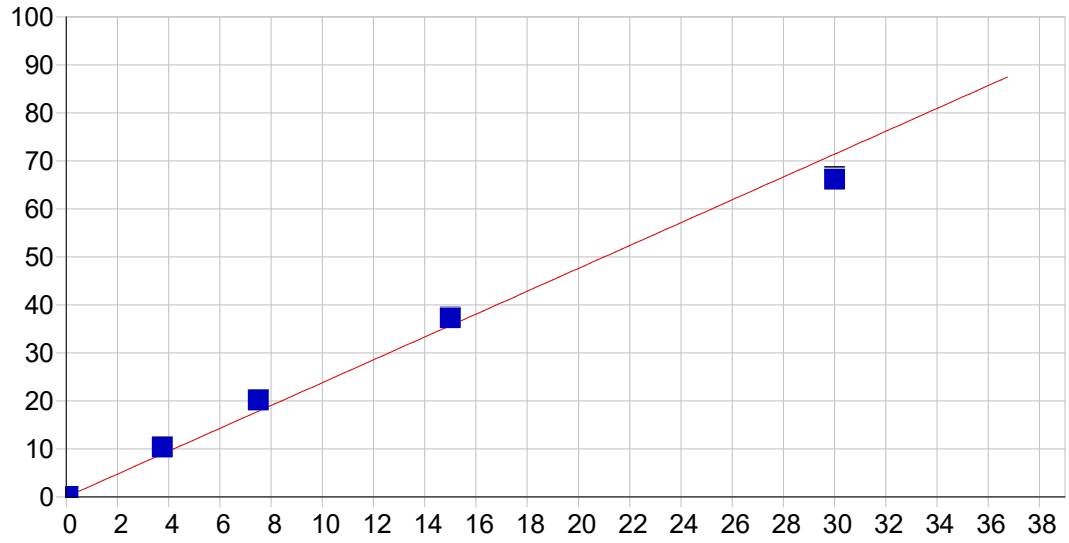
V 292.402 {115}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000567	Re-Slope:	1.000000
A1 (Gain):	0.189522	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999828	Status:	OK.
Std Error of Est:	0.000088		
Predicted MDL:	0.002323		
Predicted MQL:	0.007744		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00057	.000	1
S1	.05000	.05142	.001	2.85	.01029	.000	1
S3	1.2500	1.2884	.038	3.07	.23090	.002	1
S4	2.5000	2.4625	-.037	-1.50	.43956	.001	1
S5	5.0000	4.9733	-.027	-.534	.88770	.001	1
S2	.62500	.64929	.024	3.89	.11670	.000	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



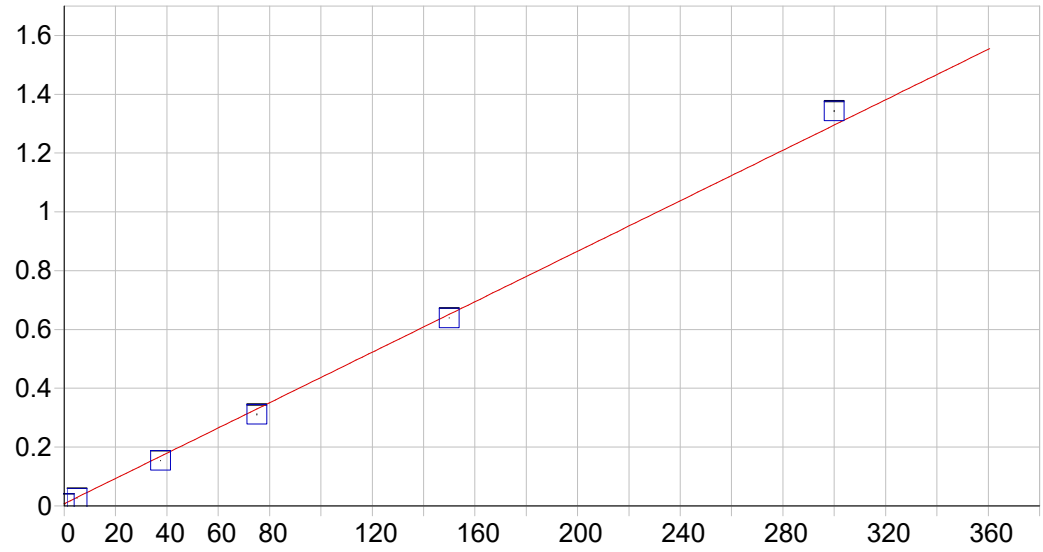
Zn 213.856 {158}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002431	Re-Slope:	1.000000
A1 (Gain):	2.380133	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.996413	Status:	OK.
Std Error of Est:	0.014436		
Predicted MDL:	0.000326		
Predicted MQL:	0.001087		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00003	-.000	.000	.00236	.000	1
S1	.06000	.07478	.015	24.6	.18127	.002	1
S3	7.5000	8.4518	.952	12.7	20.186	.051	1
S4	15.000	15.655	.655	4.36	37.397	.082	1
S5	30.000	27.788	-2.21	-7.37	66.411	.351	1
S2	3.7500	4.3408	.591	15.8	10.368	.034	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



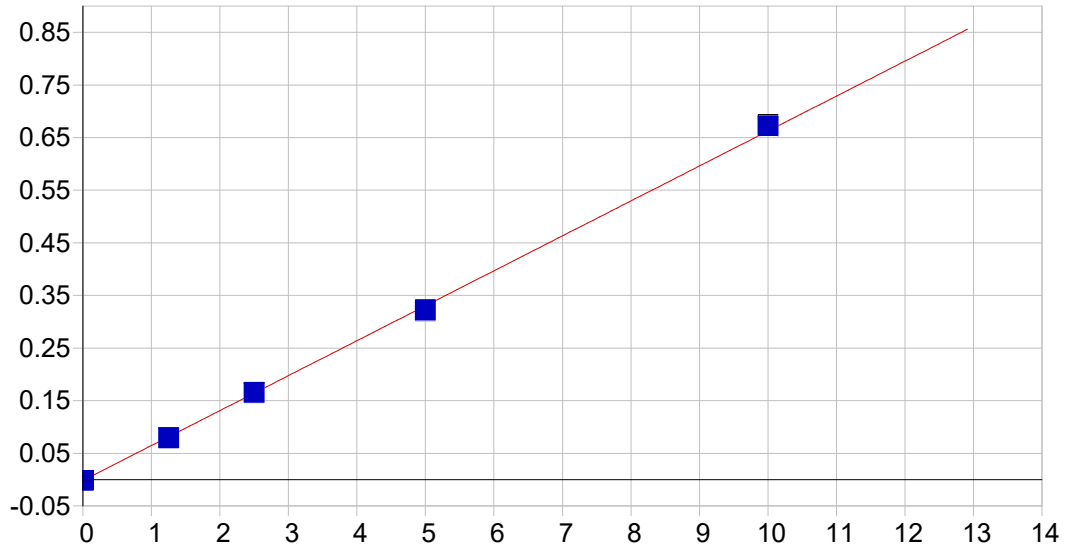
K 769.896 { 44}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.007528	Re-Slope:	1.000000
A1 (Gain):	0.004293	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999054	Status:	OK.
Std Error of Est:	0.000385		
Predicted MDL:	0.063163		
Predicted MQL:	0.210544		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00125	.001	.000	.00753	.000	1
S2	37.500	34.120	-3.38	-9.01	.15400	.001	1
S3	75.000	70.785	-4.22	-5.62	.31140	.002	1
S4	150.00	147.16	-2.84	-1.89	.63929	.001	1
S5	300.00	311.04	11.0	3.68	1.3428	.002	1
S1	5.0000	4.3953	-.605	-12.1	.02640	.000	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



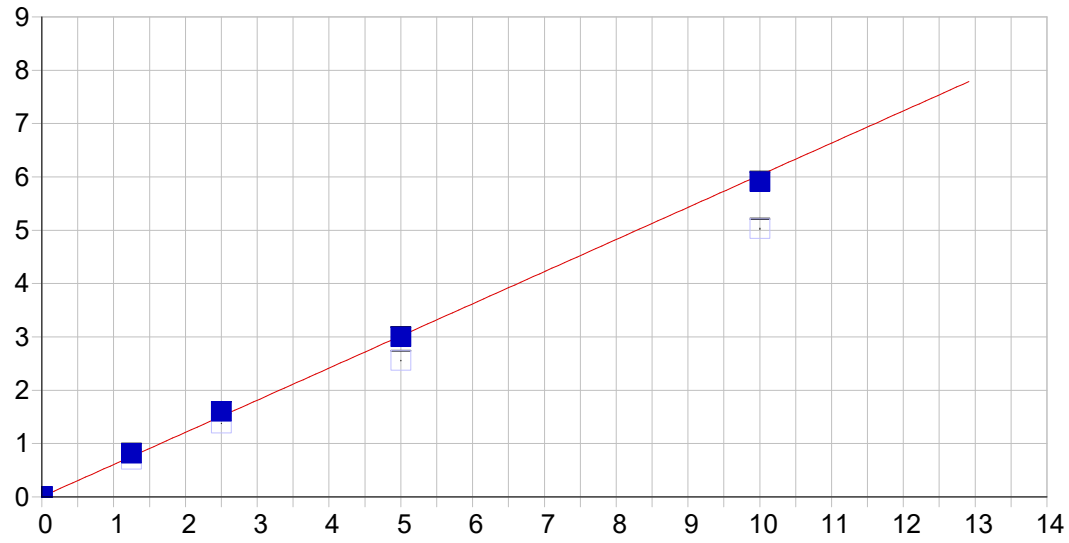
P 177.495 {490}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001713	Re-Slope:	1.000000
A1 (Gain):	0.066421	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999810	Status:	OK.
Std Error of Est:	0.000022		
Predicted MDL:	0.002139		
Predicted MQL:	0.007129		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00171	.000	1
S1	.01000	.00894	-.001	-10.6	-.00112	.000	1
S3	2.5000	2.5120	.012	.481	.16395	.000	1
S4	5.0000	4.8700	-.130	-2.60	.31938	.001	1
S5	10.000	10.156	.156	1.56	.66809	.002	1
S2	1.2500	1.2134	-.037	-2.92	.07829	.000	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



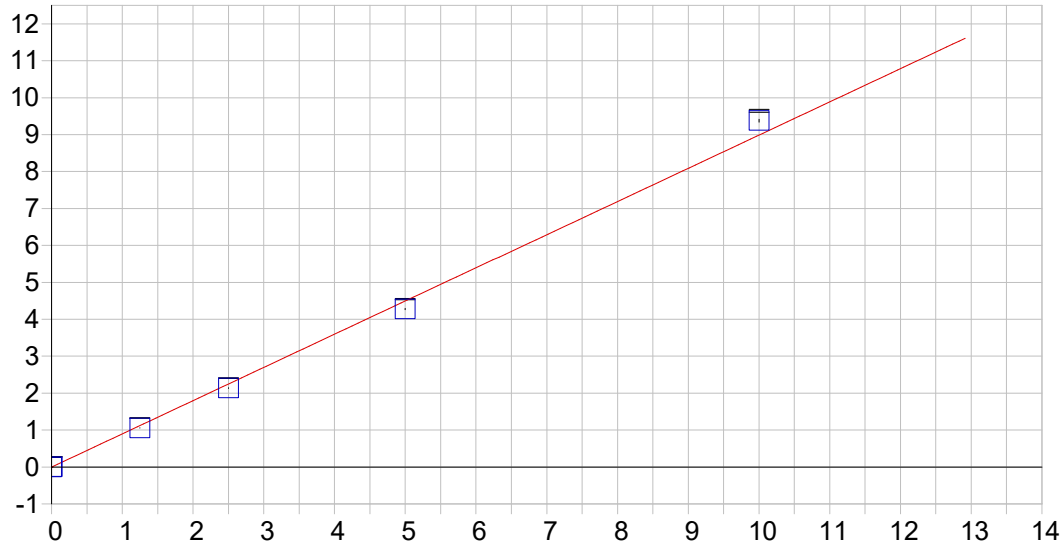
B 249.678 {135}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.004142	Re-Slope:	1.000000
A1 (Gain):	0.602777	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998866	Status:	OK.
Std Error of Est:	0.000411		
Predicted MDL:	0.000804		
Predicted MQL:	0.002681		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00415	.001	1
S1	.01000	-.00046	-.010	-105.	.00356	.000	1
S3	2.5000	2.6468	.147	5.87	1.3779	.003	1
S4	5.0000	4.9683	-.032	-.634	2.5556	.007	1
S5	10.000	9.8012	-.199	-1.99	5.0254	.012	1
S2	1.2500	1.3453	.095	7.62	.70422	.005	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



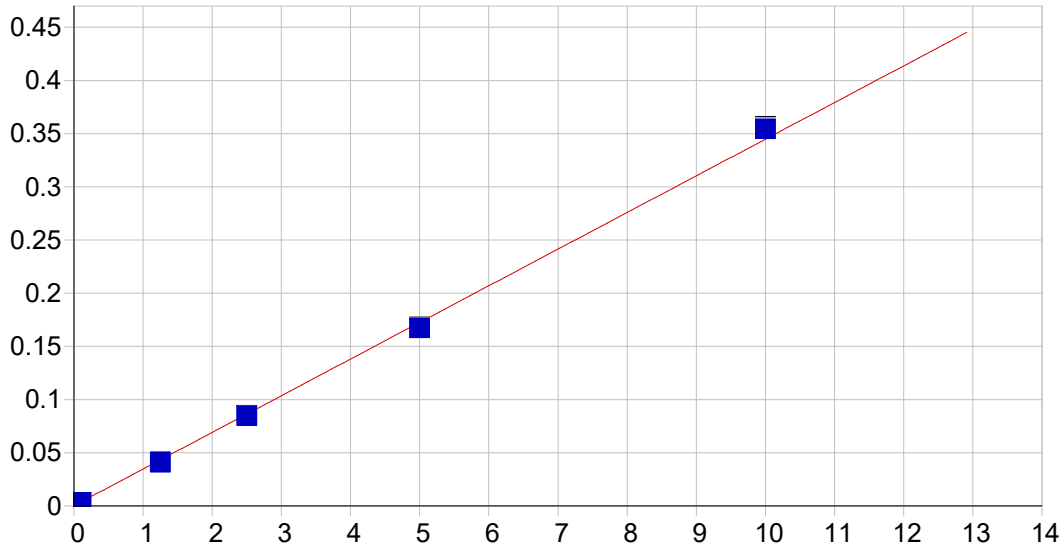
Mo 202.030 {467}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000004	Re-Slope:	1.000000
A1 (Gain):	0.898574	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998914	Status:	OK.
Std Error of Est:	0.000703		
Predicted MDL:	0.000339		
Predicted MQL:	0.001129		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00001	.000	1
S1	.01000	.00922	-.001	-7.82	.00829	.000	1
S3	2.5000	2.3773	-.123	-4.91	2.1362	.005	1
S4	5.0000	4.7622	-.238	-4.76	4.2792	.018	1
S5	10.000	10.436	.436	4.36	9.3773	.038	1
S2	1.2500	1.1755	-.074	-5.96	1.0563	.004	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



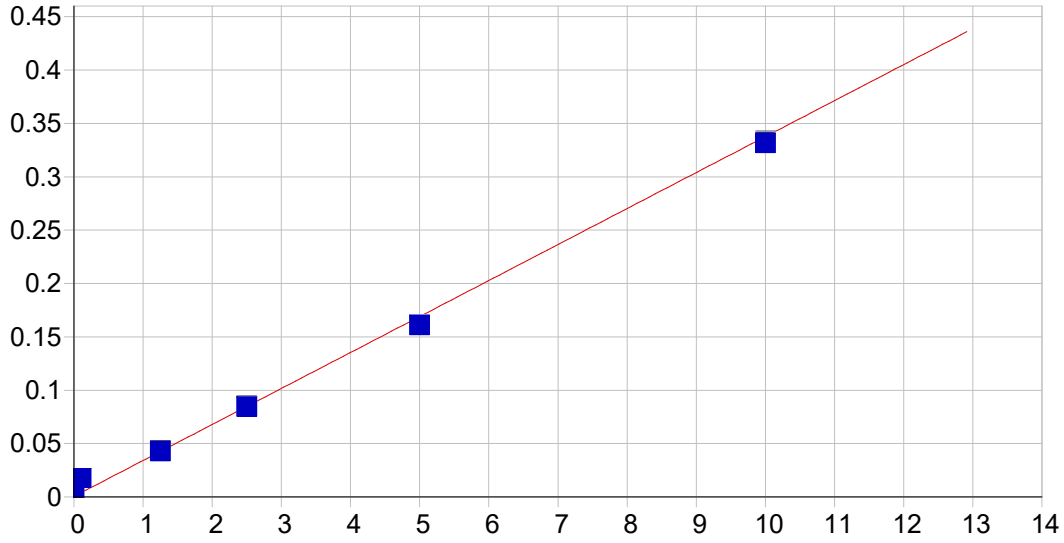
S 182.034 {485}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000255	Re-Slope:	1.000000
A1 (Gain):	0.034455	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999515	Status:	OK.
Std Error of Est:	0.000057		
Predicted MDL:	0.004135		
Predicted MQL:	0.013784		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00026	.000	1
S1	.10000	.09022	-.010	-9.78	.00336	.000	1
S3	2.5000	2.4521	-.048	-1.92	.08485	.000	1
S4	5.0000	4.8478	-.152	-3.04	.16751	.001	1
S5	10.000	10.280	.280	2.80	.35491	.002	1
S2	1.2500	1.1795	-.071	-5.64	.04095	.000	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



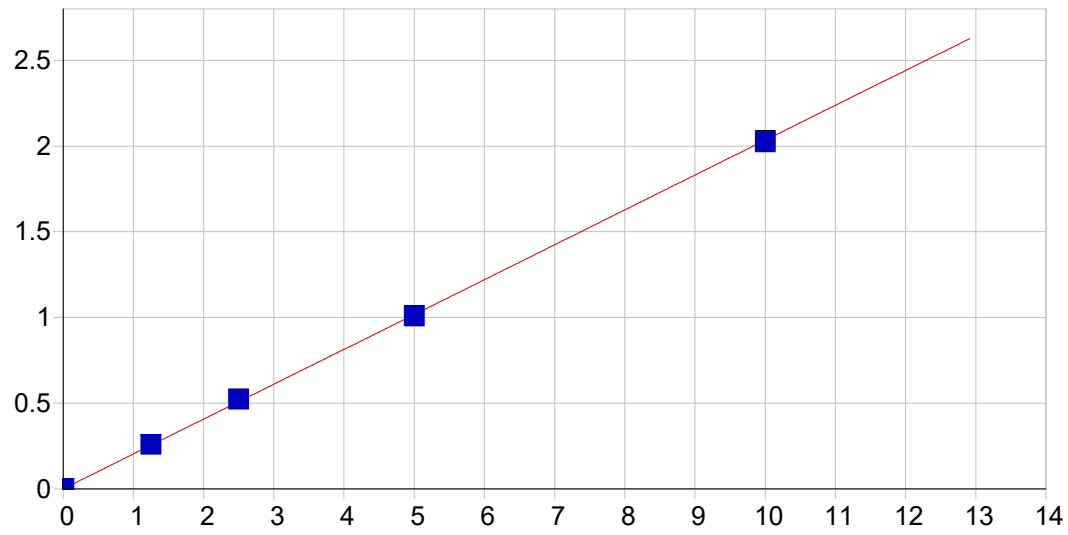
Si 251.611 {134}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000431	Re-Slope:	1.000000
A1 (Gain):	0.033721	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.957660	Status:	OK.
Std Error of Est:	0.000540		
Predicted MDL:	0.008065		
Predicted MQL:	0.026885		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00041	-.000	.000	.00042	.000	1
S1	.10000	.51201	.412	412.	.01770	.000	1
S3	2.5000	2.4978	-.002	-.088	.08491	.000	1
S4	5.0000	4.7626	-.237	-4.75	.16154	.000	1
S5	10.000	9.8239	-.176	-1.76	.33272	.001	1
S2	1.2500	1.2547	.005	.380	.04287	.000	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



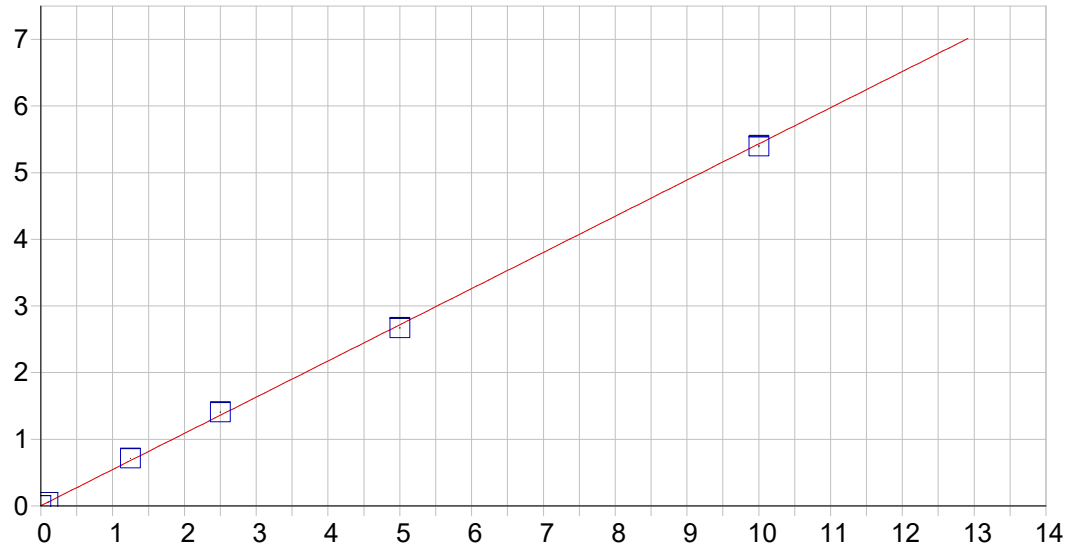
Sn 189.989 {478}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000428	Re-Slope:	1.000000
A1 (Gain):	0.203386	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999924	Status:	OK.
Std Error of Est:	0.000035		
Predicted MDL:	0.000814		
Predicted MQL:	0.002714		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00043	.000	1
S1	.00700	.00646	-.001	-7.72	.00168	.000	1
S3	2.5000	2.5679	.068	2.72	.52113	.002	1
S4	5.0000	4.9577	-.042	-.845	1.0056	.003	1
S5	10.000	9.9534	-.047	-.466	2.0185	.008	1
S2	1.2500	1.2715	.021	1.72	.25825	.001	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



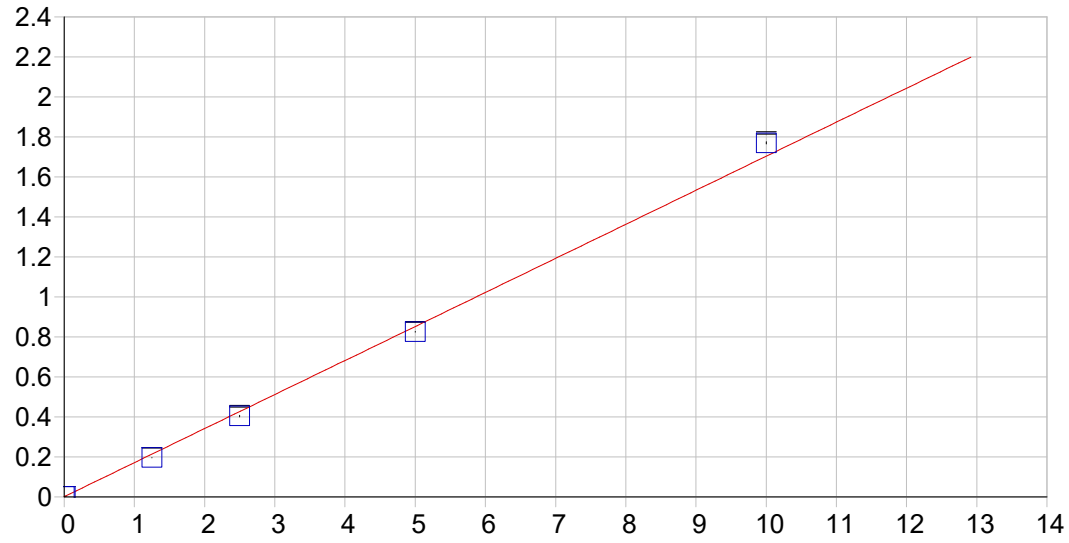
Ti 336.121 {100}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.003021	Re-Slope:	1.000000
A1 (Gain):	0.542944	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999795	Status:	OK.
Std Error of Est:	0.000584		
Predicted MDL:	0.001109		
Predicted MQL:	0.003698		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00302	.000	1
S1	.10000	.10438	.004	4.38	.05969	.000	1
S3	2.5000	2.5849	.085	3.40	1.4065	.006	1
S4	5.0000	4.9139	-.086	-1.72	2.6710	.008	1
S5	10.000	9.9379	-.062	-.621	5.3987	.011	1
S2	1.2500	1.3089	.059	4.71	.71367	.001	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



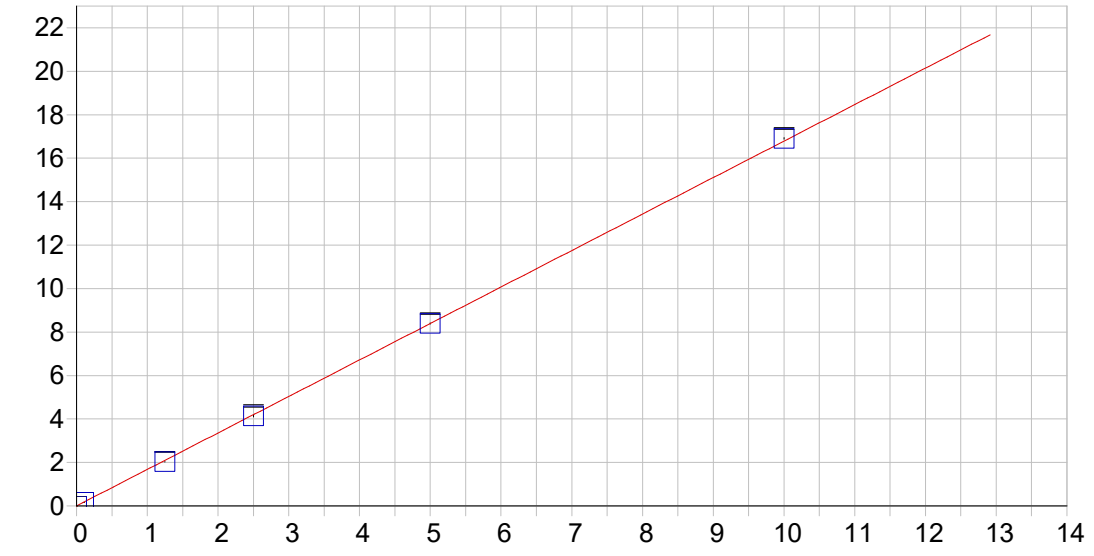
Li 670.784 { 50}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001078	Re-Slope:	1.000000
A1 (Gain):	0.170218	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999049	Status:	OK.
Std Error of Est:	0.000153		
Predicted MDL:	0.001607		
Predicted MQL:	0.005358		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00108	.000	1
S5	10.000	10.393	.393	3.93	1.7701	.006	1
S4	5.0000	4.8423	-.158	-3.15	.82532	.001	1
S3	2.5000	2.3673	-.133	-5.31	.40404	.003	1
S1	.01500	.01471	-.000	-1.95	.00358	.000	1
S2	1.2500	1.1481	-.102	-8.16	.19650	.001	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



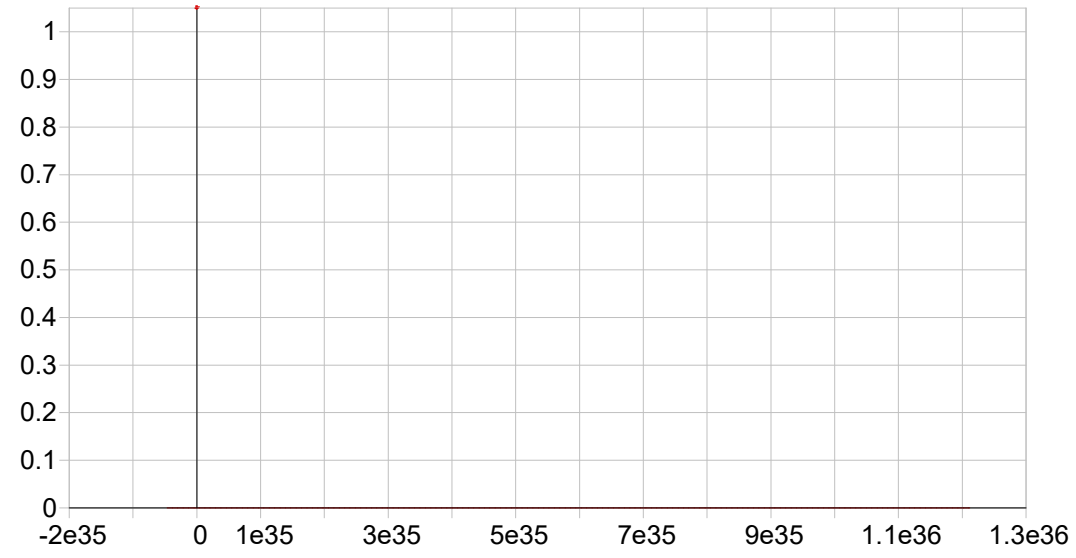
Sr 407.771 { 83}

Date of Fit:	1/12/2025 2:25:19	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000245	Re-Slope:	1.000000
A1 (Gain):	1.678675	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999936	Status:	OK.
Std Error of Est:	0.001009		
Predicted MDL:	0.000091		
Predicted MQL:	0.000302		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00026	.000	1
S1	.10000	.09512	-.005	-4.88	.15991	.002	1
S3	2.5000	2.4683	-.032	-1.27	4.1437	.053	1
S4	5.0000	5.0022	.002	.044	8.3973	.032	1
S5	10.000	10.074	.074	.736	16.911	.036	1
S2	1.2500	1.2108	-.039	-3.14	2.0328	.010	1

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

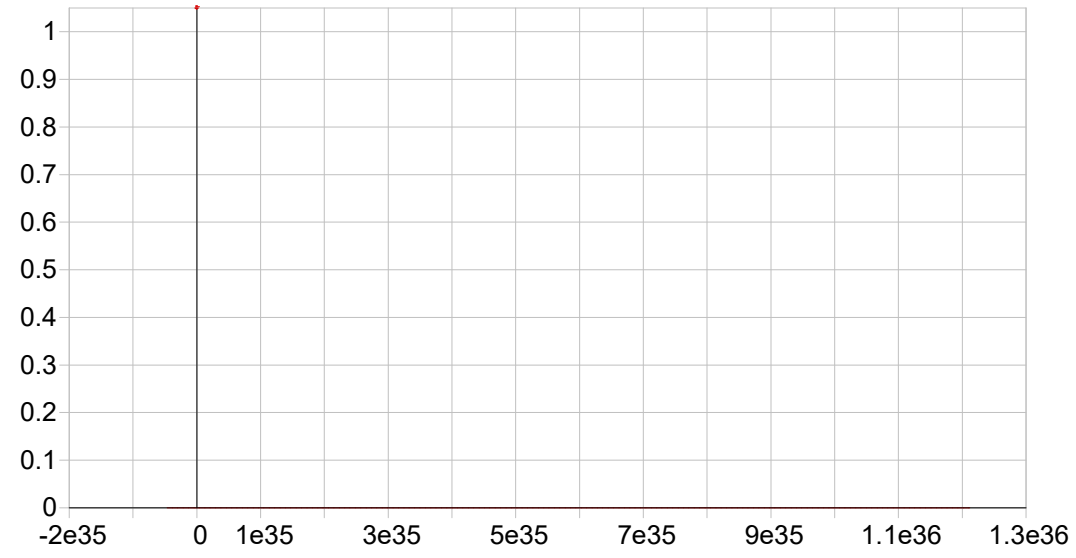


Y 224.306 {450}*

Date of Fit:	1/12/2025 1:40:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	0.000000		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Y 360.073 { 94}*

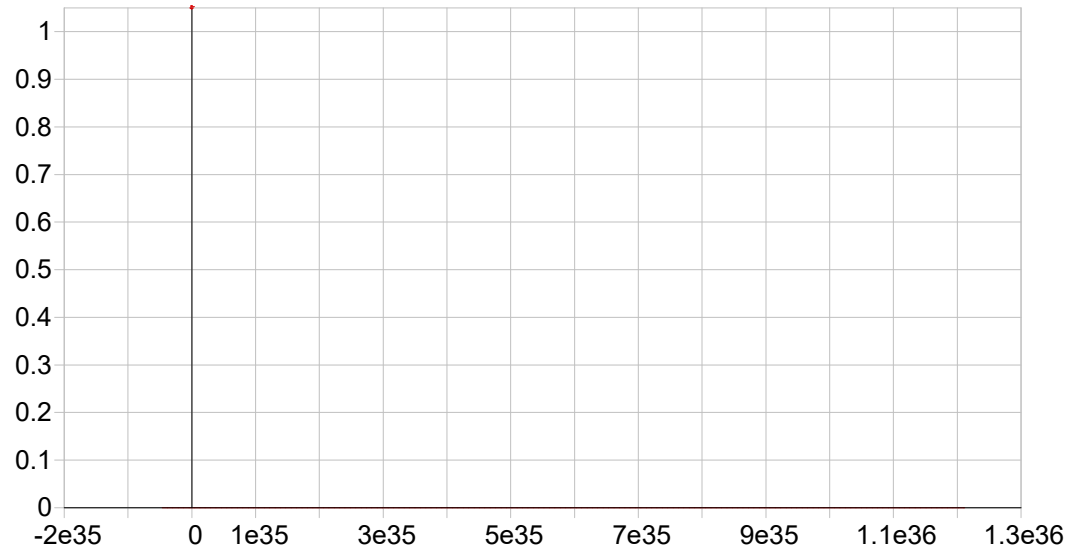
Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

A2 (Curvature):		0.000000					
n (Exponent):		1.000000					
Correlation:		0.000000		Status:	Warning	Zero Gain	
Std Error of Est:		0.000000					
Predicted MDL:		n/a					
Predicted MQL:		n/a					

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

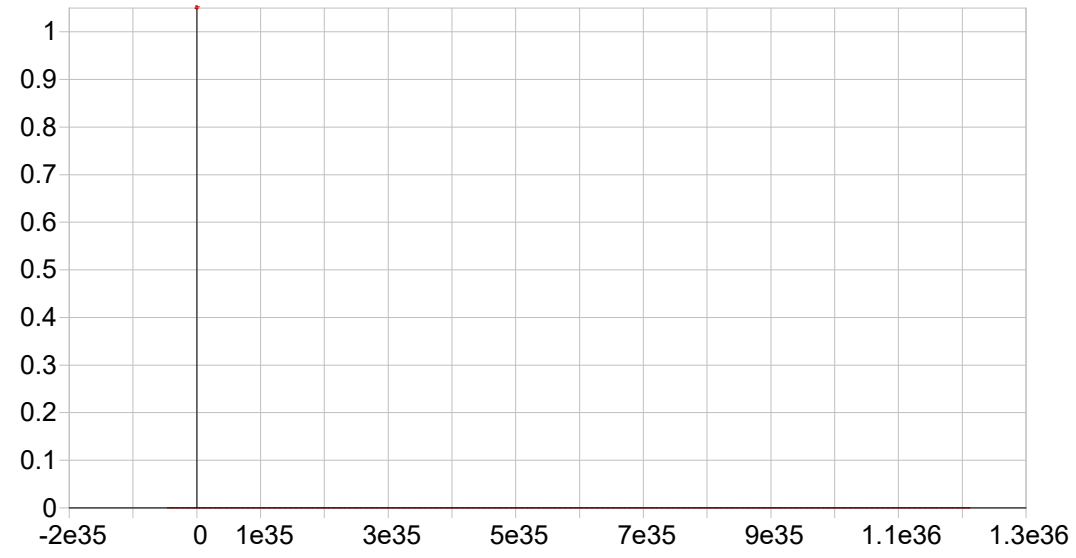


Y 371.030 { 91}*

Date of Fit:	<not fit>		Type of Fit:	Linear	Weighting:	1/Conc	
A0 (Offset):		0.000000		Re-Slope:	1.000000		
A1 (Gain):		0.000000		Y-int:	0.000000		
A2 (Curvature):		0.000000					
n (Exponent):		1.000000					
Correlation:		0.000000		Status:	Warning	Zero Gain	
Std Error of Est:		0.000000					
Predicted MDL:		n/a					
Predicted MQL:		n/a					

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

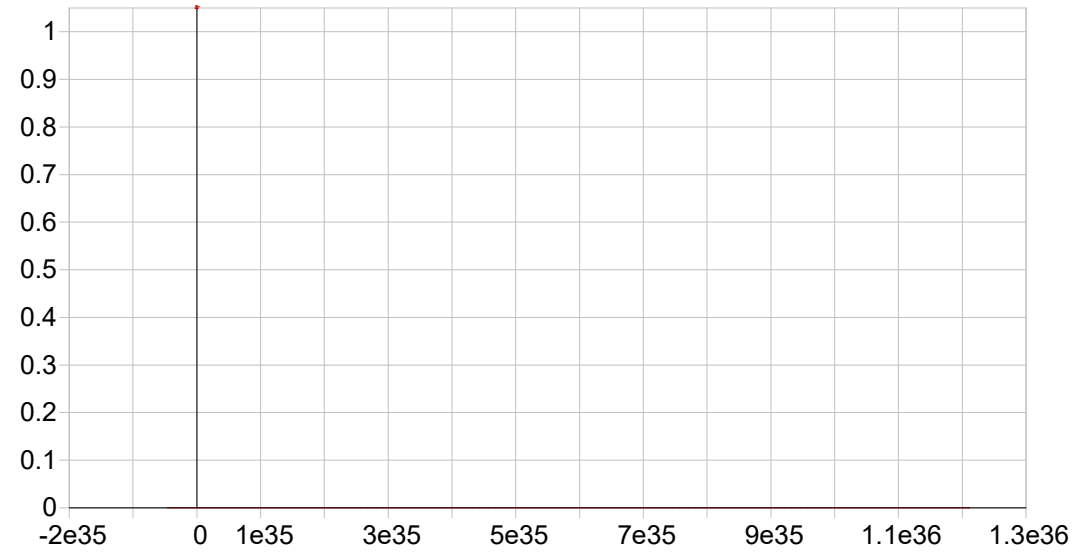
Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4



Y 224.306 {150}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



In 230.606 {446}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

A2 (Curvature):		0.000000					
n (Exponent):		1.000000					
Correlation:		0.000000		Status:	Warning	Zero Gain	
Std Error of Est:		0.000000					
Predicted MDL:		n/a					
Predicted MQL:		n/a					
Std. Name	**Stated Conc.**	**Found Conc.**	**Difference**	**% Diff.**	**(S)IR**	**Std Dev**	**Emphasis**

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: S0 Acquired: 1/12/2025 2:00:21 Type: Cal
Method: EPA SFAM01.0(v33) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00004**	**.00018**	**-.00015**	**.00041**	**.00043**	**.00010**	**.01364**	**.00008**
Stddev	.00016	.00004	.00064	.00041	.00028	.00003	.00031	.00019
%RSD	447.78	19.505	434.56	99.495	65.764	24.715	2.2613	222.23
#1	-.00001	.00019	.00033	.00081	.00014	.00009	.01393	-.00012
#2	-.00021	.00014	.00011	.00000	.00045	.00008	.01332	.00012
#3	.00011	.00021	-.00088	.00041	.00070	.00013	.01367	.00025

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00003**	**.00002**	**.00004**	**-.00005**	**.00077**	**.00000**	**.00001**	**-.00006**
Stddev	.00024	.00015	.00004	.00018	.00023	.00001	.00001	.00001
%RSD	970.55	740.53	100.08	362.47	29.530	658.09	67.962	14.480
#1	.00029	-.00007	.00003	.00016	.00092	-.00000	.00001	-.00006
#2	-.00003	-.00006	.00001	-.00019	.00051	-.00000	.00002	-.00006
#3	-.00019	.00020	.00008	-.00012	.00089	.00001	.00001	-.00007

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00004**	**-.00038**	**-.00294**	**.00057**	**.00236**	**.00753**	**-.00171**	**.00415**
Stddev	.00007	.00010	.00094	.00007	.00046	.00037	.00015	.00050
%RSD	165.28	26.360	32.033	11.813	19.420	4.9315	8.9684	12.176
#1	.00002	-.00028	-.00241	.00056	.00188	.00788	-.00172	.00469
#2	-.00011	-.00048	-.00403	.00064	.00240	.00757	-.00156	.00405
#3	-.00003	-.00037	-.00239	.00050	.00280	.00714	-.00186	.00370

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00001**	**.00026**	**.00042**	**.00043**	**.00302**	**.00108**	**.00026**
Stddev	.00001	.00007	.00029	.00008	.00010	.00010	.00014
%RSD	212.21	29.143	68.597	19.689	3.4696	9.3769	55.418
#1	-.00001	.00019	.00016	.00045	.00289	.00117	.00014
#2	.00002	.00023	.00073	.00033	.00308	.00109	.00022
#3	.00001	.00034	.00036	.00050	.00307	.00097	.00042

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: S0 Acquired: 1/12/2025 2:00:21 Type: Cal
Method: EPA SFAM01.0(v33) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S0 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2478.9	59243.	8063.5	2751.9	3509.8
Stddev	3.7	158.	12.5	13.3	8.4
%RSD	.15057	.26695	.15555	.48351	.23981
#1	2479.0	59144.	8064.0	2757.5	3505.6
#2	2482.7	59159.	8075.7	2736.7	3519.5
#3	2475.2	59425.	8050.7	2761.4	3504.4

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: S1 Acquired: 1/12/2025 2:04:35 Type: Cal
Method: EPA SFAM01.0(v33) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00080**	**.00338**	**.00277**	**.00368**	**.00940**	**.00300**	**.10040**	**.03096**
Stddev	.00008	.00009	.00085	.00018	.00015	.00001	.00094	.00046
%RSD	10.020	2.6882	30.860	4.7670	1.6332	.34336	.93818	1.4861
#1	.00071	.00346	.00356	.00362	.00927	.00299	.10108	.03100
#2	.00087	.00339	.00288	.00387	.00934	.00300	.10079	.03049
#3	.00081	.00328	.00186	.00353	.00957	.00301	.09932	.03140

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.01867**	**.04792**	**.00215**	**.05248**	**.00706**	**.00062**	**.00128**	**.01559**
Stddev	.00012	.00036	.00001	.00043	.00005	.00002	.00001	.00010
%RSD	.64766	.75774	.54415	.82162	.67390	3.8427	.56361	.66294
#1	.01857	.04829	.00216	.05237	.00701	.00059	.00128	.01564
#2	.01864	.04789	.00214	.05212	.00711	.00064	.00129	.01567
#3	.01881	.04757	.00214	.05296	.00705	.00062	.00127	.01548

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.03057**	**.00288**	**.03106**	**.01029**	**.18127**	**.02640**	**-.00112**	**.00356**
Stddev	.00031	.00003	.00129	.00016	.00164	.00033	.00007	.00043
%RSD	1.0166	.90797	4.1583	1.5061	.90449	1.2379	6.6605	11.971
#1	.03035	.00285	.02957	.01012	.17950	.02635	-.00117	.00374
#2	.03093	.00289	.03168	.01042	.18154	.02674	-.00116	.00386
#3	.03045	.00290	.03191	.01034	.18275	.02610	-.00104	.00307

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00829**	**.00336**	**.01770**	**.00168**	**.05969**	**.00358**	**.15991**
Stddev	.00029	.00007	.00014	.00013	.00014	.00004	.00156
%RSD	3.4790	2.0419	.76400	7.9451	.23109	1.2325	.97780
#1	.00816	.00335	.01775	.00171	.05958	.00362	.16154
#2	.00809	.00344	.01780	.00180	.05965	.00353	.15978
#3	.00862	.00330	.01754	.00153	.05985	.00359	.15842

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: S1 Acquired: 1/12/2025 2:04:35 Type: Cal
Method: EPA SFAM01.0(v33) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S01 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2456.2	58181.	8007.9	2717.8	3419.1
Stddev	5.4	406.	37.7	10.8	7.0
%RSD	.21795	.69800	.47083	.39677	.20397
#1	2450.3	57712.	8011.0	2716.7	3411.6
#2	2457.6	58421.	8044.0	2707.6	3420.6
#3	2460.8	58410.	7968.8	2729.1	3425.3

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: S2 Acquired: 1/12/2025 2:08:48 Type: Cal
Method: EPA SFAM01.0(v33) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.10412**	**.15698**	**1.8298**	**.11211**	**.20065**	**.48013**	**1.1202**	**.76554**
Stddev	.00029	.00036	.0048	.00024	.00102	.00249	.0063	.00385
%RSD	.27599	.22992	.26408	.21245	.50661	.51829	.56494	.50293
#1	.10392	.15739	1.8317	.11186	.20071	.48231	1.1268	.76168
#2	.10400	.15670	1.8243	.11214	.19961	.47742	1.1142	.76938
#3	.10445	.15685	1.8333	.11233	.20164	.48067	1.1197	.76556

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.3825**	**.59377**	**.81793**	**.67327**	**.92258**	**.22432**	**.31728**	**.20482**
Stddev	.0058	.00197	.00083	.00177	.00277	.00093	.00118	.00060
%RSD	.24457	.33226	.10129	.26315	.30012	.41286	.37170	.29273
#1	2.3823	.59577	.81726	.67336	.92570	.22496	.31843	.20544
#2	2.3768	.59183	.81767	.67145	.92163	.22325	.31607	.20424
#3	2.3885	.59372	.81885	.67499	.92041	.22474	.31733	.20478

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.48294**	**.09708**	**.24654**	**.11670**	**10.368**	**.15400**	**.07829**	**.70422**
Stddev	.00096	.00005	.00251	.00041	.034	.00098	.00044	.00507
%RSD	.19879	.05072	1.0189	.35008	.32676	.63644	.56565	.71940
#1	.48246	.09702	.24463	.11669	10.344	.15465	.07880	.70193
#2	.48233	.09712	.24561	.11711	10.352	.15287	.07803	.71003
#3	.48405	.09710	.24939	.11629	10.406	.15448	.07804	.70071

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.0563**	**.04095**	**.04287**	**.25825**	**.71367**	**.19650**	**2.0328**
Stddev	.0036	.00018	.00027	.00051	.00110	.00096	.0102
%RSD	.33843	.43661	.63794	.19804	.15477	.48885	.50364
#1	1.0539	.04088	.04318	.25785	.71488	.19751	2.0437
#2	1.0546	.04082	.04268	.25807	.71340	.19560	2.0234
#3	1.0604	.04115	.04275	.25882	.71272	.19638	2.0313

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: S2 Acquired: 1/12/2025 2:08:48 Type: Cal
Method: EPA SFAM01.0(v33) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S02 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2304.7	55522.	7882.9	2611.1	3090.0
Stddev	5.1	66.	32.2	5.8	6.5
%RSD	.22091	.11841	.40904	.22050	.21048
#1	2303.0	55457.	7903.2	2608.7	3083.9
#2	2310.5	55589.	7845.8	2617.7	3096.8
#3	2300.7	55521.	7899.9	2606.9	3089.4

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: S3 Acquired: 1/12/2025 2:12:43 Type: Cal
Method: EPA SFAM01.0(v33) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.21489	.31282	3.6748	.22965	.41235	.98357	2.2735	1.5064
Stddev	.00033	.00163	.0019	.00091	.00099	.00568	.0213	.0054
%RSD	.15447	.52073	.05142	.39726	.23901	.57710	.93590	.36089
#1	.21467	.31100	3.6728	.22870	.41286	.97942	2.2592	1.5084
#2	.21474	.31332	3.6751	.22971	.41122	.99004	2.2979	1.5003
#3	.21528	.31415	3.6765	.23052	.41298	.98124	2.2633	1.5106

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.7754	1.2032	1.6152	1.3511	1.8312	.45141	.64280	.41878
Stddev	.0049	.0081	.0024	.0019	.0028	.00229	.00541	.00242
%RSD	.10155	.67626	.14932	.13960	.15472	.50678	.84177	.57673
#1	4.7701	1.1967	1.6125	1.3511	1.8281	.44993	.63940	.41664
#2	4.7764	1.2124	1.6159	1.3492	1.8321	.45405	.64904	.42140
#3	4.7797	1.2006	1.6171	1.3529	1.8335	.45027	.63997	.41829

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.96597	.19594	.49571	.23090	20.186	.31140	.16395	1.3779
Stddev	.00007	.00076	.00144	.00207	.051	.00184	.00049	.0027
%RSD	.00687	.38699	.29050	.89531	.25306	.59149	.29693	.19934
#1	.96596	.19518	.49606	.23014	20.224	.31011	.16370	1.3773
#2	.96590	.19670	.49413	.23324	20.206	.31351	.16364	1.3755
#3	.96603	.19594	.49695	.22931	20.128	.31059	.16451	1.3809

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.1362	.08485	.08491	.52113	1.4065	.40404	4.1437
Stddev	.0052	.00018	.00015	.00152	.0063	.00348	.0528
%RSD	.24463	.21053	.17975	.29194	.44795	.86197	1.2737
#1	2.1363	.08491	.08508	.51938	1.4021	.40151	4.0883
#2	2.1309	.08465	.08489	.52197	1.4137	.40801	4.1933
#3	2.1413	.08499	.08477	.52205	1.4037	.40260	4.1497

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: S3 Acquired: 1/12/2025 2:12:43 Type: Cal
Method: EPA SFAM01.0(v33) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S03 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2177.5**	**53674.**	**7804.2**	**2527.9**	**2916.5**
Stddev	3.9	170.	25.6	10.3	1.7
%RSD	.17963	.31706	.32783	.40586	.05720
#1	2175.7	53866.	7818.3	2533.6	2916.2
#2	2181.9	53543.	7819.6	2516.1	2918.3
#3	2174.7	53612.	7774.7	2534.1	2915.0

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: S4 Acquired: 1/12/2025 2:16:44 Type: Cal
Method: EPA SFAM01.0(v33) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.43391	.57807	7.1412	.45696	.83848	2.0081	4.5202	2.8440
Stddev	.00184	.00369	.0145	.00232	.00414	.0031	.0186	.0127
%RSD	.42298	.63881	.20346	.50851	.49324	.15532	.41205	.44735
#1	.43270	.57844	7.1354	.45717	.83854	2.0045	4.5018	2.8583
#2	.43300	.57421	7.1305	.45453	.83432	2.0097	4.5196	2.8400
#3	.43602	.58157	7.1578	.45917	.84259	2.0101	4.5391	2.8338

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	9.1586	2.4033	3.1092	2.6120	3.5506	.89225	1.2715	.84419
Stddev	.0224	.0026	.0054	.0063	.0092	.00064	.0018	.00066
%RSD	.24490	.10600	.17363	.24105	.25918	.07216	.14463	.07839
#1	9.1492	2.4017	3.1133	2.6103	3.5536	.89158	1.2708	.84390
#2	9.1424	2.4020	3.1031	2.6067	3.5580	.89287	1.2701	.84372
#3	9.1842	2.4062	3.1112	2.6189	3.5403	.89231	1.2736	.84495

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.8568	.39143	.95801	.43956	37.397	.63929	.31938	2.5556
Stddev	.0048	.00109	.00411	.00125	.082	.00056	.00128	.0070
%RSD	.25711	.27857	.42874	.28412	.21818	.08747	.40017	.27533
#1	1.8550	.39258	.95918	.44090	37.430	.63864	.31942	2.5629
#2	1.8531	.39042	.96141	.43935	37.304	.63967	.31809	2.5550
#3	1.8622	.39129	.95345	.43843	37.457	.63955	.32064	2.5488

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.2792	.16751	.16154	1.0056	2.6710	.82532	8.3973
Stddev	.0182	.00075	.00017	.0031	.0077	.00131	.0318
%RSD	.42554	.44478	.10590	.30516	.28887	.15843	.37881
#1	4.2782	.16733	.16136	1.0042	2.6773	.82389	8.4262
#2	4.2615	.16687	.16171	1.0035	2.6733	.82564	8.4025
#3	4.2979	.16832	.16154	1.0091	2.6624	.82644	8.3632

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: S4 Acquired: 1/12/2025 2:16:44 Type: Cal
Method: EPA SFAM01.0(v33) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S04 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2026.5	51522.	7854.1	2408.9	2776.0
Stddev	7.5	120.	31.2	3.5	6.8
%RSD	.37033	.23314	.39674	.14404	.24466
#1	2027.2	51417.	7818.9	2405.2	2777.8
#2	2033.7	51653.	7865.1	2412.1	2781.7
#3	2018.7	51496.	7878.2	2409.2	2768.5

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: S5 Acquired: 1/12/2025 2:20:50 Type: Cal
Method: EPA SFAM01.0(v33) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.97869	1.1752	14.395	1.0213	1.8898	4.1908	9.3019	5.7673
Stddev	.00287	.0164	.051	.0043	.0064	.0484	.0688	.0116
%RSD	.29365	1.3941	.35749	.41613	.34067	1.1543	.73969	.20130
#1	.97832	1.1586	14.354	1.0199	1.8881	4.1349	9.2424	5.7702
#2	.97602	1.1757	14.380	1.0180	1.8844	4.2166	9.2859	5.7772
#3	.98173	1.1914	14.453	1.0261	1.8969	4.2207	9.3772	5.7546

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	18.261	4.8388	6.0916	5.2656	7.2741	1.8000	2.5722	1.7557
Stddev	.082	.0267	.0108	.0185	.0218	.0039	.0195	.0052
%RSD	.45079	.55075	.17725	.35078	.29925	.21713	.75635	.29355
#1	18.189	4.8140	6.0816	5.2535	7.2847	1.7976	2.5691	1.7513
#2	18.243	4.8354	6.0902	5.2564	7.2885	1.7980	2.5545	1.7544
#3	18.351	4.8670	6.1031	5.2868	7.2490	1.8045	2.5931	1.7614

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.7177	.81864	1.9719	.88770	66.411	1.3428	.66809	5.0254
Stddev	.0117	.00081	.0036	.00103	.351	.0019	.00221	.0116
%RSD	.31424	.09839	.18313	.11579	.52789	.14472	.33051	.23139
#1	3.7072	.81777	1.9752	.88659	66.788	1.3412	.66621	5.0359
#2	3.7155	.81882	1.9725	.88788	66.095	1.3422	.66754	5.0273
#3	3.7303	.81935	1.9681	.88863	66.348	1.3450	.67052	5.0129

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	9.3773	.35491	.33272	2.0185	5.3987	1.7701	16.911
Stddev	.0376	.00195	.00061	.0076	.0108	.0059	.036
%RSD	.40120	.54907	.18357	.37399	.19937	.33482	.21492
#1	9.3608	.35298	.33283	2.0125	5.4082	1.7688	16.934
#2	9.3507	.35487	.33327	2.0160	5.3871	1.7649	16.869
#3	9.4203	.35687	.33206	2.0270	5.4009	1.7766	16.929

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: S5 Acquired: 1/12/2025 2:20:50 Type: Cal
Method: EPA SFAM01.0(v33) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S05 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1744.8	49177.	7605.5	2273.1	2559.7
Stddev	4.0	129.	8.9	8.8	6.5
%RSD	.22671	.26132	.11747	.38598	.25420
#1	1745.9	49312.	7607.7	2267.7	2565.9
#2	1748.1	49160.	7595.6	2283.2	2560.3
#3	1740.4	49057.	7613.1	2268.4	2552.9

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: S6 Acquired: 1/12/2025 2:25:20 Type: Cal
Method: EPA SFAM01.0(v33) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S06 Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3736	Fe2598	Na8183
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**10.968**	**8.0450**	**4.8084**	**5.0439**
Stddev	.103	.0517	.0022	.0029
%RSD	.93723	.64321	.04648	.05664
#1	10.849	8.1027	4.8099	5.0420
#2	11.019	8.0298	4.8095	5.0472
#3	11.035	8.0026	4.8058	5.0426

Int. Std.	Y_3600	Y_3710
Units	Cts/S	Cts/S
Avg	**48083.**	**7762.8**
Stddev	105.	37.9
%RSD	.21781	.48830
#1	48136.	7719.0
#2	48150.	7783.9
#3	47962.	7785.5

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: ICV001 Acquired: 1/12/2025 3:02:36 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV001 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9946769**	**1.045680**	**.9774159**	**1.075634**	**.9979457**	**2.429275**
Stddev	.0011523	.006585	.0039030	.001216	.0052911	.012605
%RSD	.1158444	.6297212	.3993209	.1130834	.5302041	.5188768
#1	.9939337	1.042663	.9729165	1.075842	1.002075	2.423416
#2	.9960043	1.041143	.9798888	1.074327	.991981	2.443743
#3	.9940928	1.053232	.9794425	1.076733	.999780	2.420666

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4914404**	**.5110740**	**.4925907**	**9.291452**	**.5393639**	**.4967001**
Stddev	.0054284	.0029056	.0016003	.047320	.0008598	.0010139
%RSD	1.104592	.5685270	.3248693	.5092901	.1594120	.2041345
#1	.4946485	.5122235	.4908436	9.290038	.5401927	.4958610
#2	.4945000	.5077695	.4929432	9.339464	.5384761	.4964125
#3	.4851728	.5132289	.4939853	9.244855	.5394230	.4978268

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4929858**	**9.522401**	**.5037721**	**5.745637**	**.5055010**	**.2307447**
Stddev	.0044268	.031386	.0036976	.013973	.0013807	.0006120
%RSD	.8979570	.3296037	.7339813	.2431899	.2731246	.2652208
#1	.4929288	9.499537	.5066697	5.746008	.5039121	.2301526
#2	.4974408	9.558185	.5050389	5.759421	.5061825	.2313748
#3	.4885877	9.509482	.4996076	5.731483	.5064084	.2307065

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.793375**	**.5085187**	**1.082581**	**9.949119**	F **.0036342**	F **.0386892**
Stddev	.029237	.0034847	.004256	.061066	.0006137	.0006841
%RSD	.2985425	.6852657	.3931394	.6137809	16.88756	1.768268
#1	9.812132	.5125425	1.087493	9.940507	.0029807	.0380326
#2	9.808306	.5064937	1.079990	10.01403	.0037234	.0393978
#3	9.759687	.5065200	1.080260	9.89282	.0041983	.0386373

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: ICV001 Acquired: 1/12/2025 3:02:36 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV001 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.000228	F .0042631	F .0047065	F -.001437	F -.001550	F .0022238
Stddev	.000079	.0009576	.0067424	.000614	.000465	.0011982
%RSD	34.62230	22.46188	143.2576	42.68978	29.97634	53.88126
#1	-.000142	.0049796	.0087078	-.001365	-.001022	.0028614
#2	-.000297	.0031755	.0084895	-.002084	-.001897	.0008416
#3	-.000246	.0046343	-.003078	-.000863	-.001731	.0029684

Elem	Sr4077
Units	ppm
Avg	F .0010379
Stddev	.0000430
%RSD	4.143484
#1	.0010470
#2	.0010757
#3	.0009911

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2412.579	57283.11	7918.362	2669.891	3346.378
Stddev	10.200	74.83	35.295	6.701	4.336
%RSD	.4227714	.1306403	.4457324	.2509995	.1295680
#1	2403.209	57230.54	7905.385	2664.773	3342.735
#2	2411.083	57250.01	7958.308	2667.424	3345.224
#3	2423.444	57368.79	7891.393	2677.476	3351.173

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: ICB001 Acquired: 1/12/2025 3:06:32 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB001 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000148**	**.0000345**	**.0000225**	**-.000826**	**.0003216**	**-.010654**	**.0003945**
Stddev	.001488	.0027077	.0002362	.002437	.0006580	.003303	.0007554
%RSD	1006.723	7854.124	1051.745	294.8507	204.6069	31.00098	191.5145
#1	-.001672	-.002952	-.000248	-.003401	.0009180	-.014052	-.000389
#2	.001302	.000725	.000185	-.000522	-.000384	-.010455	.001118
#3	-.000073	.002330	.000131	.001444	.000431	-.007455	.000455

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000374**	**.0000033**	**.0059332**	**.0000848**	**-.000286**	**-.001544**	**.0112120**
Stddev	.0000218	.0000555	.0048771	.0000735	.000147	.001298	.0091344
%RSD	58.25587	1671.269	82.20039	86.73318	51.27425	84.10991	81.46997
#1	.0000386	.0000292	.0052803	.0000020	-.000307	-.001904	.0067300
#2	.0000151	-.000060	.0014154	.0001425	-.000420	-.002624	.0217216
#3	.0000586	.000041	.0111038	.0001098	-.000130	-.000103	.0051843

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000037**	**.0078993**	**-.000323**	**-.000002**	**.0259238**	**-.002670**	**-.000509**
Stddev	.0003593	.0173344	.000358	.000253	.1364928	.000596	.000171
%RSD	9678.657	219.4417	110.7568	13057.50	526.5159	22.30888	33.57770
#1	-.000180	.0251771	.000062	.000207	-.116793	-.002832	-.000629
#2	-.000227	-.009491	-.000386	-.000283	.039366	-.002010	-.000313
#3	.000418	.008012	-.000646	.000071	.155198	-.003168	-.000584

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1350010**	**-.000220**	**-.000525**	**-.000009**	**.0002616**	**.0077664**	**-.000080**
Stddev	.0333214	.000623	.000146	.000103	.0038290	.0051579	.000992
%RSD	24.68235	283.1398	27.83635	1184.196	1463.767	66.41258	1241.388
#1	.1716665	-.000425	-.000594	.000082	-.003215	.0122861	.000934
#2	.1065665	.000480	-.000358	.000013	.004366	.0088656	-.000125
#3	.1267699	-.000715	-.000625	-.000121	-.000366	.0021475	-.001048

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: ICB001 Acquired: 1/12/2025 3:06:32 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB001 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000084	.0014433	-.000083
Stddev	.000972	.0004775	.000037
%RSD	1159.113	33.08346	45.09647
#1	-.000791	.0016692	-.000079
#2	.001024	.0017658	-.000122
#3	-.000485	.0008947	-.000047

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2422.887	58669.91	7891.113	2716.786	3424.183
Stddev	3.702	119.23	15.087	2.311	8.230
%RSD	.1527944	.2032237	.1911858	.0850729	.2403446
#1	2426.030	58541.61	7890.974	2714.793	3419.133
#2	2423.824	58690.80	7876.096	2719.319	3433.679
#3	2418.806	58777.31	7906.269	2716.245	3419.736

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: ICSA001 Acquired: 1/12/2025 3:10:43 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA001 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0092210**	**.0038221**	**.0064876**	**.0197744**	**-.003383**	**237.5678**
Stddev	.0014226	.0013285	.0006125	.0015358	.003334	.5979
%RSD	15.42801	34.75838	9.440889	7.766482	98.54607	.2516921
#1	.0080575	.0033876	.0068441	.0191035	.000117	237.1346
#2	.0087986	.0053134	.0057804	.0186883	-.006521	237.3187
#3	.0108071	.0027652	.0068384	.0215315	-.003746	238.2500

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0089833**	**-.000717**	**.0002230**	**246.1213**	**.0602934**	**.0008052**
Stddev	.0004482	.000033	.0000543	.4477	.0002688	.0001899
%RSD	4.989301	4.615706	24.33383	.1819134	.4457579	23.58849
#1	.0087424	-.000692	.0001862	245.6863	.0601241	.0009277
#2	.0087070	-.000705	.0001974	246.0970	.0601527	.0005864
#3	.0095004	-.000755	.0002853	246.5808	.0606033	.0009014

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.007116**	**100.2606**	**.0080832**	**247.7310**	**.0036183**	**-.000660**
Stddev	.002906	.3415	.0005734	.7961	.0002794	.000222
%RSD	40.83735	.3406137	7.093807	.3213413	7.723385	33.54545
#1	-.009241	99.9479	.0078063	247.0143	.0036692	-.000796
#2	-.008301	100.2089	.0087426	247.5908	.0033169	-.000781
#3	-.003804	100.6250	.0077008	248.5878	.0038687	-.000405

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0505446**	**-.007504**	**-.011113**	**.0917417**	**.0056995**	F **.4144703**
Stddev	.2581158	.000442	.000411	.0255642	.0012585	.0022064
%RSD	510.6696	5.891431	3.696871	27.86542	22.08155	.5323320
#1	-.087570	-.006994	-.011248	.1012752	.0055040	.4122660
#2	-.109128	-.007762	-.011440	.0627806	.0045502	.4144662
#3	.348331	-.007757	-.010652	.1111692	.0070443	.4166787

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: ICSA001 Acquired: 1/12/2025 3:10:43 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA001 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004817	.0195690	.0006366	-.002968	-.002491	.0064611
Stddev	.0008268	.0069705	.0075417	.000835	.001090	.0006696
%RSD	171.6493	35.61998	1184.736	28.14219	43.74641	10.36389
#1	.0004423	.0201294	.0067638	-.003160	-.003413	.0066075
#2	-.000325	.0123352	.0029321	-.003690	-.001288	.0070454
#3	.001327	.0262423	-.007786	-.002053	-.002772	.0057304

Elem	Sr4077
Units	ppm
Avg	F .1012963
Stddev	.0002656
%RSD	.2622421
#1	.1014176
#2	.1009917
#3	.1014797

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2237.715	51803.61	7787.438	2436.851	2895.637
Stddev	1.595	148.97	18.357	5.876	3.920
%RSD	.0712906	.2875652	.2357209	.2411378	.1353604
#1	2239.555	51880.11	7766.787	2432.450	2898.784
#2	2236.715	51898.78	7801.900	2434.580	2896.881
#3	2236.875	51631.93	7793.627	2443.524	2891.247

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: ICSAB001 Acquired: 1/12/2025 3:14:49 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB001 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1015929**	**.1115718**	**.0537167**	**.0649639**	**.5282656**	**229.7464**
Stddev	.0030573	.0024117	.0009977	.0067616	.0019098	.6425
%RSD	3.009347	2.161523	1.857333	10.40818	.3615160	.2796392
#1	.1050536	.1089988	.0526566	.0581322	.5300208	229.0390
#2	.0992590	.1137808	.0546373	.0716531	.5285442	230.2936
#3	.1004659	.1119358	.0538562	.0651065	.5262319	229.9067

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4969572**	**.5100994**	**1.010402**	**237.5178**	**.5901440**	**.5100646**
Stddev	.0030181	.0009981	.000765	.6681	.0031291	.0003994
%RSD	.6073253	.1956730	.0756766	.2812845	.5302213	.0783071
#1	.4935298	.5112477	1.009526	236.8116	.5926881	.5096129
#2	.4981244	.5096101	1.010934	238.1398	.5910939	.5102099
#3	.4992175	.5094403	1.010747	237.6019	.5866501	.5103711

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4821943**	**96.83327**	**.4859303**	**239.5947**	**1.024484**	**.1966472**
Stddev	.0021024	.28478	.0026685	.6594	.002174	.0012239
%RSD	.4360040	.2940898	.5491431	.2752343	.2121588	.6223692
#1	.4821389	96.54578	.4841569	238.9983	1.024670	.1961669
#2	.4843239	97.11526	.4846348	240.3029	1.022223	.1980383
#3	.4801202	96.83876	.4889991	239.4830	1.026558	.1957363

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.237616**	**.4994987**	**1.094894**	**-.170742**	**.0096384**	F **.3959560**
Stddev	.155465	.0016663	.003828	.056852	.0019712	.0014166
%RSD	65.42709	.3335850	.3495813	33.29687	20.45167	.3577735
#1	-.386335	.5009275	1.092362	-.218438	.0093086	.3950113
#2	-.250329	.4976684	1.099298	-.107831	.0117537	.3975849
#3	-.076185	.4999002	1.093024	-.185956	.0078529	.3952719

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: ICSAB001 Acquired: 1/12/2025 3:14:49 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB001 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003931	.0247165	-.003040	-.004316	-.004709	.0049605
Stddev	.0008271	.0114461	.007408	.001047	.000402	.0005882
%RSD	210.4189	46.30942	243.6577	24.26037	8.526428	11.85803
#1	.0007695	.0312796	-.002755	-.004519	-.004887	.0054402
#2	-.000555	.0313701	-.010586	-.005247	-.004250	.0043042
#3	.000965	.0114998	.004221	-.003182	-.004992	.0051371

Elem	Sr4077
Units	ppm
Avg	.0973618
Stddev	.0002210
%RSD	.2269331
#1	.0971214
#2	.0974082
#3	.0975559

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2196.560	53649.96	7751.531	2498.494	2843.462
Stddev	3.088	339.14	53.533	17.446	6.931
%RSD	.1406049	.6321255	.6906177	.6982786	.2437592
#1	2197.723	53438.28	7700.444	2496.972	2851.465
#2	2193.059	53470.47	7746.934	2481.858	2839.566
#3	2198.898	54041.12	7807.215	2516.651	2839.356

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV001 Acquired: 1/12/2025 3:30:12 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV001 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.794878**	**4.897500**	**24.62989**	**4.798987**	**4.769958**	**392.3392**
Stddev	.002960	.025559	.04163	.011184	.007187	4.4660
%RSD	.0617410	.5218695	.1690202	.2330492	.1506819	1.138312
#1	4.794526	4.869040	24.58981	4.808696	4.775444	396.8773
#2	4.792110	4.918495	24.62695	4.786758	4.761821	387.9489
#3	4.797999	4.904965	24.67291	4.801508	4.772607	392.1913

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.19753**	**.5066335**	**2.481441**	**396.4780**	**15.43387**	**2.498264**
Stddev	.02289	.0025471	.006248	.4452	.04663	.005349
%RSD	.2244740	.5027548	.2518006	.1123011	.3021534	.2141066
#1	10.21831	.5068830	2.475471	396.8869	15.43144	2.495171
#2	10.20129	.5090466	2.480916	396.5434	15.38850	2.495181
#3	10.17300	.5039707	2.487935	396.0037	15.48167	2.504441

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.17671**	**392.9511**	**15.17398**	**245.7192**	**2.497669**	**1.240395**
Stddev	.09727	2.1829	.09024	1.3010	.002535	.002127
%RSD	.6409383	.5555028	.5946804	.5294541	.1014916	.1714631
#1	15.27534	395.0802	15.23650	246.9528	2.494781	1.239786
#2	15.17394	390.7182	15.07053	244.3600	2.498698	1.238639
#3	15.08085	393.0551	15.21490	245.8450	2.499527	1.242760

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**414.6568**	**2.514675**	**15.90518**	**151.7170**	**5.055719**	F **6.008146**
Stddev	1.5612	.007718	.04907	.7717	.016895	.020231
%RSD	.3764942	.3069205	.3085286	.5086656	.3341754	.3367238
#1	416.3420	2.515306	15.87350	152.4494	5.036743	6.017360
#2	414.3688	2.522059	15.88032	150.9112	5.061286	6.022131
#3	413.2598	2.506661	15.96170	151.7904	5.069128	5.984949

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV001 Acquired: 1/12/2025 3:30:12 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV001 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.806183**	**4.984573**	**5.078224**	**4.961309**	**5.107710**	**5.078503**
Stddev	.007567	.023185	.011170	.008501	.021503	.032760
%RSD	.1574507	.4651414	.2199625	.1713390	.4209973	.6450680
#1	4.811159	4.958660	5.090075	4.951956	5.130164	5.100441
#2	4.797475	4.991703	5.067889	4.963404	5.105662	5.040846
#3	4.809916	5.003355	5.076709	4.968565	5.087304	5.094221

Elem	Sr4077
Units	ppm
Avg	**4.944690**
Stddev	.020017
%RSD	.4048220
#1	4.966363
#2	4.926896
#3	4.940812

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1918.604**	**49566.00**	**7389.120**	**2274.857**	**2609.990**
Stddev	4.135	198.86	24.488	11.995	4.909
%RSD	.2154994	.4012018	.3314093	.5273062	.1880941
#1	1915.324	49618.54	7399.475	2284.241	2611.776
#2	1923.248	49733.32	7361.155	2278.987	2613.757
#3	1917.239	49346.15	7406.730	2261.342	2604.438

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB001 Acquired: 1/12/2025 3:34:31 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB001 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004709**	**.0002196**	**.0007185**	**.0013679**	**-.000319**	**-.002489**	**-.002397**
Stddev	.0012913	.0014262	.0016035	.0016950	.000239	.006619	.000448
%RSD	274.2134	649.5923	223.1682	123.9183	74.80414	265.9057	18.70657
#1	-.000157	.0007747	.0012367	.0017506	-.000446	-.009783	-.002204
#2	-.000386	-.001401	-.001080	-.000486	-.000044	.003135	-.002910
#3	.001956	.001285	.001999	.002839	-.000468	-.000820	-.002078

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000064**	**-.000016**	**.0047251**	**.0004253**	**-.000206**	**-.000829**	**.0116703**
Stddev	.000045	.000090	.0013721	.0003438	.000047	.001031	.0020651
%RSD	70.52723	552.3666	29.03904	80.82048	22.90718	124.2707	17.69509
#1	-.000034	.000075	.0062336	.0008185	-.000260	-.001370	.0136916
#2	-.000116	-.000019	.0035512	.0002761	-.000187	-.001477	.0117554
#3	-.000042	-.000105	.0043906	.0001814	-.000171	.000359	.0095640

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002748**	**.0292015**	**-.000237**	**.0004080**	**.1496811**	**-.001146**	**.0001014**
Stddev	.0002649	.0171309	.000129	.0002447	.2308244	.002814	.0001589
%RSD	96.39698	58.66441	54.41293	59.96716	154.2108	245.5858	156.7015
#1	.0002506	.0451514	-.000306	.0006373	.4011928	.001883	.0001156
#2	.0005509	.0110941	-.000317	.0001504	-.052470	-.001642	-.000064
#3	.0000228	.0313589	-.000088	.0004363	.100321	-.003679	.000253

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2774573**	**.0009247**	**.0047508**	**.0004008**	**.0014278**	**.0038576**	**-.000280**
Stddev	.0492439	.0012749	.0002214	.0004173	.0011200	.0073161	.000668
%RSD	17.74829	137.8653	4.660621	104.1204	78.43847	189.6524	238.3465
#1	.3024420	.0013250	.0045834	.0008472	.0001356	.0075110	-.001050
#2	.3092006	.0019514	.0050018	.0000206	.0020290	-.004566	.000142
#3	.2207293	-.000502	.0046671	.0003345	.0021188	.008627	.000067

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB001 Acquired: 1/12/2025 3:34:31 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB001 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000219	.0019936	.0000464
Stddev	.000560	.0003880	.0000523
%RSD	255.1845	19.45977	112.5482
#1	-.000546	.0022546	.0000969
#2	-.000539	.0015478	-.000007
#3	.000427	.0021785	.000050

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2400.508	58595.23	7780.607	2700.838	3398.840
Stddev	3.398	92.00	20.904	10.072	6.349
%RSD	.1415738	.1570058	.2686661	.3729279	.1868048
#1	2398.492	58664.92	7795.078	2695.027	3400.291
#2	2398.601	58490.95	7756.641	2695.020	3391.891
#3	2404.432	58629.83	7790.102	2712.469	3404.338

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165909BL Acquired: 1/12/2025 3:38:40 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS909 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.002657**	**.0001652**	**.0000844**	**.0006758**	**-.000771**	**-.008377**	**-.000860**
Stddev	.000964	.0001627	.0022400	.0040391	.001671	.012011	.000364
%RSD	36.28366	98.51572	2654.840	597.6867	216.6802	143.3795	42.28345
#1	-.003713	.0000835	.0026118	.0012832	.001082	-.019022	-.001068
#2	-.001823	.0000595	-.001656	.0043768	-.001232	.004645	-.001072
#3	-.002436	.0003526	-.000703	-.003633	-.002162	-.010754	-.000440

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000018**	**-.000009**	**.0036394**	**-.000172**	**-.000002**	**.0005790**	**.0059384**
Stddev	.000050	.000029	.0120931	.000194	.000085	.0016825	.0021323
%RSD	271.4341	313.7634	332.2845	113.0778	4388.498	290.5801	35.90659
#1	.000016	-.000041	.0130727	-.000396	.000092	-.000271	.0055979
#2	-.000075	-.000002	.0078392	-.000059	-.000025	.002517	.0082205
#3	.000004	.000015	-.009994	-.000060	-.000073	-.000509	.0039969

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000208**	**.0019905**	**-.000261**	**.0002595**	**.0595433**	**-.002927**	**-.000272**
Stddev	.000258	.0139855	.000452	.0001889	.1831820	.001119	.000161
%RSD	123.6650	702.6058	173.3007	72.78464	307.6450	38.23851	59.32720
#1	.000089	.0178558	-.000227	.0003271	-.144209	-.002092	-.000331
#2	-.000371	-.003332	.000173	.0004054	.210607	-.002491	-.000089
#3	-.000343	-.008552	-.000728	.0000461	.112231	-.004199	-.000394

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2072665**	**-.001469**	**.0022721**	**-.000087**	**.0033807**	**.0020700**	**-.000644**
Stddev	.0619869	.000890	.0004743	.000176	.0024098	.0011923	.000482
%RSD	29.90687	60.60075	20.87464	201.8607	71.28247	57.59767	74.75911
#1	.2531614	-.000860	.0020399	.000020	.0057076	.0011019	-.000897
#2	.2318861	-.002491	.0019586	-.000291	.0008958	.0017065	-.000089
#3	.1367520	-.001056	.0028177	.000009	.0035386	.0034018	-.000947

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165909BL Acquired: 1/12/2025 3:38:40 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS909 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0001034	.0017304	-.000021
Stddev	.0008181	.0007181	.000106
%RSD	790.9746	41.49752	505.3289
#1	.0004922	.0024274	-.000055
#2	.0006547	.0017706	-.000105
#3	-.000837	.0009930	.000098

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2414.100	58545.19	7860.174	2730.797	3398.850
Stddev	2.180	77.11	76.739	10.838	5.305
%RSD	.0902951	.1317173	.9763054	.3968777	.1560721
#1	2416.421	58478.32	7887.804	2735.572	3400.317
#2	2412.097	58629.54	7773.445	2718.391	3403.267
#3	2413.781	58527.69	7919.272	2738.427	3392.966

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165909BS Acquired: 1/12/2025 3:42:50 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS909 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0169787**	**.0518205**	**.0191097**	**.0625190**	**.1016724**	**.3619511**	**.3553716**
Stddev	.0016423	.0007107	.0007966	.0015627	.0004684	.0070118	.0039547
%RSD	9.672949	1.371470	4.168288	2.499523	.4607252	1.937231	1.112827
#1	.0163330	.0521397	.0183993	.0635176	.1014968	.3671803	.3589624
#2	.0157573	.0510062	.0199709	.0607182	.1022033	.3646898	.3560194
#3	.0188457	.0523157	.0189590	.0633213	.1013171	.3539833	.3511330

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0105635**	**.0099700**	**9.394682**	**.0212995**	**.0977026**	**.0523226**	**.1967677**
Stddev	.0000523	.0000441	.074987	.0004591	.0002765	.0009951	.0049071
%RSD	.4954193	.4419041	.7981881	2.155618	.2829550	1.901892	2.493836
#1	.0105111	.0099937	9.466986	.0208015	.0980201	.0528127	.1978689
#2	.0106158	.0099971	9.399787	.0217059	.0975730	.0529777	.1914037
#3	.0105637	.0099191	9.317272	.0213912	.0975148	.0511775	.2010307

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0280747**	**8.805290**	**.0794359**	**.0193266**	**10.15733**	**.1015200**	**.1442726**
Stddev	.0005010	.023408	.0000866	.0004520	.06259	.0014448	.0002762
%RSD	1.784687	.2658422	.1089611	2.338823	.6162462	1.423139	.1914453
#1	.0285973	8.827487	.0794623	.0194781	10.09005	.1031475	.1440586
#2	.0275984	8.807549	.0793393	.0188184	10.21384	.1010236	.1441748
#3	.0280286	8.780835	.0795062	.0196835	10.16810	.1003888	.1445844

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.629412**	**.0182708**	**.0018259**	**.0187228**	**.1718046**	**.9797246**	**.0132527**
Stddev	.073773	.0013993	.0003816	.0001071	.0036792	.0021678	.0011543
%RSD	.8549017	7.658388	20.90069	.5719165	2.141499	.2212654	8.709934
#1	8.692702	.0172146	.0022638	.0186257	.1742524	.9798781	.0129887
#2	8.647146	.0177400	.0015640	.0187050	.1675736	.9818116	.0122533
#3	8.548388	.0198578	.0016499	.0188377	.1735878	.9774842	.0145162

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165909BS Acquired: 1/12/2025 3:42:50 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS909 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1994093	.0260058	.1904538
Stddev	.0006113	.0016764	.0015148
%RSD	.3065614	6.446403	.7953864
#1	.1999450	.0262144	.1918866
#2	.1995396	.0275681	.1906064
#3	.1987434	.0242348	.1888684

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2436.510	56720.10	7848.980	2678.826	3379.562
Stddev	4.608	120.78	48.192	5.085	4.535
%RSD	.1891163	.2129464	.6139948	.1898158	.1342030
#1	2436.605	56642.88	7901.158	2683.722	3383.668
#2	2441.069	56658.13	7839.642	2679.186	3380.325
#3	2431.854	56859.29	7806.140	2673.571	3374.694

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165911BL Acquired: 1/12/2025 3:46:53 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS911 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005904**	**.0001134**	**-.000847**	**.0010234**	**-.000395**	**-.000355**	**-.000330**
Stddev	.0002811	.0028863	.001391	.0011995	.000335	.006398	.001007
%RSD	47.61909	2544.248	164.1470	117.2068	84.79564	1801.062	304.6717
#1	.0007368	-.003175	-.001307	.0023778	-.000291	-.004482	-.001287
#2	.0007681	.001291	.000715	.0005975	-.000770	-.003598	.000720
#3	.0002662	.002225	-.001951	.0000950	-.000125	.007014	-.000424

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000034**	**-.000015**	**-.001459**	**-.000257**	**.0000348**	**-.001667**	**.0062129**
Stddev	.000038	.000084	.004053	.000297	.0002685	.001694	.0030129
%RSD	112.3593	575.3137	277.8695	115.9040	770.8690	101.6153	48.49341
#1	.000008	-.000096	.002827	-.000290	-.000271	-.000940	.0045479
#2	-.000067	-.000020	-.001972	.000056	.000142	-.003602	.0096908
#3	-.000042	.000072	-.005231	-.000536	.000233	-.000458	.0044001

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000330**	**-.004591**	**-.000168**	**-.000023**	**.0831051**	**-.003168**	**-.000385**
Stddev	.000340	.017197	.000137	.000088	.1125395	.003443	.000131
%RSD	102.8128	374.6154	81.68742	390.4644	135.4183	108.6732	34.09756
#1	-.000163	.006216	-.000320	.000071	.0927933	-.001597	-.000283
#2	-.000107	.004434	-.000056	-.000035	-.033965	-.000792	-.000337
#3	-.000721	-.024421	-.000127	-.000104	.190487	-.007117	-.000533

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1883189**	**.0015036**	**.0004156**	**-.000119**	**-.001720**	**.0023485**	**.0000914**
Stddev	.0177092	.0011122	.0009723	.000262	.002924	.0033328	.0004859
%RSD	9.403848	73.96856	233.9698	219.5950	169.9742	141.9102	531.5538
#1	.1953366	.0022561	-.000134	.000169	.000561	-.000561	.0006118
#2	.2014437	.0020286	.001538	-.000184	-.000705	.001622	.0000127
#3	.1681763	.0002261	-.000157	-.000343	-.005016	.005985	-.000350

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165911BL Acquired: 1/12/2025 3:46:53 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS911 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0001325	.0008372	-.000059
Stddev	.0011966	.0012885	.000059
%RSD	903.0927	153.8970	100.7830
#1	-.001213	.0007642	-.000012
#2	.000534	-.000413	-.000126
#3	.001077	.002161	-.000039

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2488.168	58236.11	7952.884	2725.438	3566.695
Stddev	4.969	150.65	41.630	1.414	3.931
%RSD	.1996893	.2586829	.5234574	.0518656	.1102063
#1	2493.803	58407.38	7999.376	2727.067	3571.233
#2	2484.418	58124.14	7940.216	2724.532	3564.433
#3	2486.283	58176.80	7919.059	2724.716	3564.417

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165911BS Acquired: 1/12/2025 3:51:01 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS911 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0175125	.0510981	.0186514	.0592809	.0996255	.3533291	.3613762
Stddev	.0023611	.0008429	.0007002	.0037044	.0009423	.0027715	.0002697
%RSD	13.48214	1.649508	3.753906	6.248916	.9458049	.7844117	.0746270
#1	.0201460	.0515547	.0193607	.0618558	.0993014	.3565294	.3611011
#2	.0155849	.0501255	.0186328	.0550354	.0988881	.3517396	.3613875
#3	.0168067	.0516141	.0179607	.0609514	.1006871	.3517183	.3616401

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0104742	.0096850	9.428705	.0203683	.0960813	.0513147	.2021362
Stddev	.0000503	.0000815	.016456	.0002145	.0002102	.0021275	.0071577
%RSD	.4802851	.8410730	.1745329	1.052879	.2188223	4.145899	3.541043
#1	.0105267	.0097507	9.442361	.0206151	.0958736	.0509486	.2102998
#2	.0104263	.0095939	9.410434	.0202623	.0962940	.0536014	.1969364
#3	.0104695	.0097103	9.433321	.0202274	.0960763	.0493940	.1991725

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0281445	8.873487	.0779417	.0193076	10.37013	.1013683	.1429915
Stddev	.0003415	.016596	.0003274	.0002435	.09300	.0015146	.0007125
%RSD	1.213559	.1870304	.4200592	1.261344	.8967780	1.494186	.4983105
#1	.0285333	8.882318	.0775703	.0190395	10.46307	.1020438	.1429340
#2	.0280071	8.883800	.0780665	.0195151	10.27707	.0996335	.1437311
#3	.0278930	8.854342	.0781884	.0193683	10.37024	.1024278	.1423095

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.599972	.0182185	.0009571	.0182949	.1654346	1.007474	.0129203
Stddev	.021047	.0015337	.0004840	.0002201	.0009705	.003672	.0001801
%RSD	.2447319	8.418580	50.56946	1.203255	.5866451	.3644382	1.393626
#1	8.605674	.0185992	.0012361	.0182067	.1643364	1.010201	.0131275
#2	8.617581	.0195260	.0003982	.0185455	.1657905	1.008923	.0128325
#3	8.576662	.0165302	.0012370	.0181325	.1661770	1.003299	.0128011

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165911BS Acquired: 1/12/2025 3:51:01 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS911 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2029635	.0270266	.1842075
Stddev	.0016323	.0012085	.0008099
%RSD	.8042314	4.471391	.4396478
#1	.2048412	.0257022	.1838251
#2	.2018833	.0280695	.1836597
#3	.2021658	.0273080	.1851378

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2474.392	57191.13	7902.978	2690.810	3442.013
Stddev	5.042	283.58	51.535	10.005	10.533
%RSD	.2037553	.4958481	.6520934	.3718317	.3060115
#1	2476.809	56870.10	7845.822	2684.328	3443.234
#2	2477.770	57295.76	7917.215	2685.769	3451.882
#3	2468.596	57407.52	7945.898	2702.333	3430.923

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165923BL Acquired: 1/12/2025 3:55:04 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS923 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001047**	**.0012093**	**.0004810**	**.0023689**	**.0004839**	**-.008713**	**-.002651**
Stddev	.001705	.0014033	.0005758	.0008053	.0011218	.002531	.000735
%RSD	162.8158	116.0367	119.7177	33.99296	231.8421	29.04789	27.73521
#1	.000490	-.000324	-.000175	.0031114	.0012727	-.007103	-.002806
#2	-.002881	.001523	.000716	.0024826	.0009792	-.007406	-.003295
#3	-.000750	.002429	.000902	.0015129	-.000800	-.011631	-.001850

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000064**	**.0000353**	**.0103076**	**-.000317**	**.0000944**	**.0003664**	**.0042191**
Stddev	.000026	.0000231	.0135641	.000319	.0001109	.0017245	.0085027
%RSD	40.56465	65.39160	131.5926	100.5276	117.4647	470.6499	201.5301
#1	-.000046	.0000369	-.005241	-.000685	.0001903	-.001625	.0031617
#2	-.000094	.0000114	.019716	-.000133	.0001200	.001339	.0132011
#3	-.000053	.0000574	.016447	-.000133	-.000027	.001384	-.003705

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000636**	**.0125834**	**-.000303**	**-.000071**	**-.023893**	**-.003594**	**-.000196**
Stddev	.0002929	.0107826	.000361	.000113	.214069	.001177	.000206
%RSD	460.3467	85.68959	118.9046	160.0964	895.9369	32.74381	104.9815
#1	-.000071	.0078859	-.000290	-.000012	-.130548	-.002238	-.000392
#2	-.000138	.0049464	.000051	-.000201	-.163683	-.004348	-.000213
#3	.000400	.0249179	-.000670	.000001	.222551	-.004195	.000018

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1491133**	**-.000915**	**-.000439**	**-.000004**	**-.001003**	**.0083774**	**.0003262**
Stddev	.0479677	.001636	.000261	.000384	.003677	.0024895	.0004202
%RSD	32.16865	178.8688	59.55563	10124.54	366.6842	29.71719	128.8154
#1	.0938229	-.000845	-.000739	-.000316	-.001156	.0112499	.0002193
#2	.1796109	.000686	-.000260	-.000120	-.004600	.0068465	.0007895
#3	.1739059	-.002584	-.000318	.000425	.002748	.0070356	-.000030

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165923BL Acquired: 1/12/2025 3:55:04 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS923 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**-.000832**	**-.000261**	**-.000076**
Stddev	.000524	.001707	.000028
%RSD	62.94796	655.3841	36.74266
#1	-.001166	.001691	-.000048
#2	-.000228	-.000996	-.000104
#3	-.001101	-.001477	-.000078

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2437.400**	**57921.76**	**7883.910**	**2697.273**	**3446.072**
Stddev	7.288	177.21	41.380	13.223	8.913
%RSD	.2990263	.3059542	.5248660	.4902182	.2586502
#1	2429.964	58124.81	7907.981	2708.728	3435.831
#2	2444.532	57798.24	7836.129	2700.288	3452.077
#3	2437.703	57842.22	7907.621	2682.803	3450.309

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165923BS Acquired: 1/12/2025 3:59:13 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS923 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0174849	.0524567	.0193614	.0638420	.1031469	.3516450	.3612067
Stddev	.0012263	.0012645	.0015285	.0026615	.0007554	.0075408	.0026829
%RSD	7.013622	2.410584	7.894349	4.168875	.7323592	2.144446	.7427639
#1	.0183106	.0521126	.0176274	.0663702	.1038973	.3512885	.3626413
#2	.0160758	.0538577	.0199435	.0610647	.1023866	.3442887	.3581115
#3	.0180682	.0513999	.0205132	.0640912	.1031567	.3593577	.3628673

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0105357	.0102315	9.438385	.0210380	.0999719	.0516712	.1978165
Stddev	.0000189	.0000948	.076827	.0003309	.0002581	.0011093	.0058877
%RSD	.1796078	.9261171	.8139852	1.572844	.2581656	2.146840	2.976326
#1	.0105169	.0101657	9.462654	.0212013	.0996824	.0525801	.1961688
#2	.0105547	.0103401	9.352354	.0212554	.1000555	.0504351	.1929282
#3	.0105354	.0101886	9.500146	.0206571	.1001778	.0519985	.2043524

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0284090	8.811374	.0814060	.0195584	10.35163	.1054333	.1440315
Stddev	.0002399	.022429	.0001188	.0002333	.26028	.0011067	.0002758
%RSD	.8443756	.2545493	.1459602	1.192878	2.514389	1.049629	.1915086
#1	.0286672	8.825049	.0812690	.0193840	10.60707	.1062861	.1437566
#2	.0283669	8.785488	.0814687	.0194677	10.36106	.1058311	.1443083
#3	.0281930	8.823584	.0814804	.0198234	10.08676	.1041828	.1440298

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.589774	.0177477	.0001957	.0188456	.1754229	1.020495	.0131100
Stddev	.092590	.0010317	.0002526	.0002902	.0069546	.002157	.0004053
%RSD	1.077915	5.813051	129.0457	1.539717	3.964481	.2113322	3.091685
#1	8.671651	.0167638	.0001894	.0185172	.1804145	1.022977	.0129479
#2	8.489295	.0188213	.0004515	.0189523	.1783750	1.019073	.0128108
#3	8.608377	.0176579	-.000054	.0190673	.1674792	1.019436	.0135713

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165923BS Acquired: 1/12/2025 3:59:13 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS923 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2061019	.0239857	.1863133
Stddev	.0018777	.0013429	.0014698
%RSD	.9110506	5.598615	.7889012
#1	.2080039	.0224567	.1867529
#2	.2042495	.0249737	.1846738
#3	.2060523	.0245266	.1875131

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2412.404	58537.63	7920.988	2723.844	3325.620
Stddev	6.962	183.05	31.926	12.081	9.086
%RSD	.2886037	.3127109	.4030594	.4435307	.2732254
#1	2411.059	58472.04	7941.968	2730.278	3320.086
#2	2419.941	58744.44	7884.246	2731.346	3336.107
#3	2406.213	58396.41	7936.751	2709.907	3320.668

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165891BL Acquired: 1/12/2025 4:03:16 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS891 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019055**	**.0012866**	**.0009025**	**.0023858**	**.0006255**	**.0012262**	**-.000621**
Stddev	.0005543	.0007615	.0004593	.0022869	.0014771	.0040708	.001101
%RSD	29.09057	59.19000	50.88961	95.85432	236.1317	331.9879	177.2283
#1	.0018120	.0018587	.0003948	.0042945	-.000599	-.002968	-.000612
#2	.0025007	.0015788	.0010236	-.000149	.002266	.005161	-.001727
#3	.0014039	.0004222	.0012891	.003012	.000209	.001486	.000475

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000509**	**-.000091**	**-.004599**	**-.000301**	**-.000156**	**-.000701**	**.0078035**
Stddev	.0000548	.000024	.005962	.000146	.000138	.001830	.0026102
%RSD	107.6437	26.76551	129.6243	48.36097	88.38623	260.9566	33.44948
#1	.0000761	-.000118	-.008383	-.000328	-.000029	.000503	.0098243
#2	-.000012	-.000073	.002273	-.000432	-.000136	-.002808	.0048565
#3	.000089	-.000081	-.007688	-.000144	-.000302	.000200	.0087297

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000175**	**.0085316**	**.0002047**	**.0000237**	**.0499394**	**-.002129**	**-.000312**
Stddev	.000325	.0096979	.0002058	.0001751	.1740723	.001315	.000048
%RSD	185.9052	113.6704	100.5583	738.1914	348.5669	61.76795	15.38089
#1	-.000549	-.001070	.0001697	-.000082	.1654157	-.002174	-.000299
#2	.000037	.018323	.0000186	.000226	-.150277	-.000792	-.000272
#3	-.000013	.008343	.0004257	-.000073	.134680	-.003421	-.000366

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2339790**	**.0005049**	**-.001325**	**-.000109**	**.0015242**	**.0023078**	**-.000500**
Stddev	.0519300	.0006408	.000156	.000157	.0024094	.0150402	.000114
%RSD	22.19429	126.9080	11.74099	143.4521	158.0824	651.7066	22.70857
#1	.2739174	.0010271	-.001489	-.000149	.0038163	-.008599	-.000595
#2	.1752746	.0006977	-.001306	-.000243	.0017437	-.003943	-.000531
#3	.2527451	-.000210	-.001179	.000064	-.000988	.019465	-.000374

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165891BL Acquired: 1/12/2025 4:03:16 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS891 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000892	-.000640	-.000046
Stddev	.000418	.000658	.000036
%RSD	46.86011	102.8204	77.49559
#1	-.001292	.000119	-.000007
#2	-.000458	-.001053	-.000077
#3	-.000927	-.000985	-.000053

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2462.939	58023.14	7962.797	2694.052	3499.437
Stddev	1.763	142.66	39.144	10.334	.574
%RSD	.0715655	.2458723	.4915879	.3835760	.0163978
#1	2462.467	58173.02	7950.779	2688.149	3499.743
#2	2464.889	57888.99	8006.541	2688.022	3499.792
#3	2461.460	58007.42	7931.071	2705.984	3498.775

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165891BS Acquired: 1/12/2025 4:07:26 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS891 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0178784	.0524784	.0200653	.0638993	.1037299	.3499763	.3587102
Stddev	.0010501	.0017946	.0008840	.0009694	.0015599	.0039107	.0020677
%RSD	5.873557	3.419638	4.405815	1.517128	1.503814	1.117424	.5764275
#1	.0168928	.0508957	.0190779	.0634970	.1048472	.3457233	.3569165
#2	.0177595	.0521114	.0207831	.0650050	.1043947	.3534172	.3609718
#3	.0189829	.0544281	.0203350	.0631957	.1019477	.3507885	.3582424

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0106280	.0101332	9.336283	.0208349	.0992260	.0533655	.1954910
Stddev	.0000743	.0000848	.073895	.0003678	.0002327	.0017055	.0089628
%RSD	.6993752	.8368043	.7914814	1.765056	.2344855	3.195917	4.584743
#1	.0106969	.0100357	9.294140	.0205450	.0991971	.0534962	.1868817
#2	.0105492	.0101902	9.421607	.0212485	.0990092	.0515984	.2047697
#3	.0106380	.0101736	9.293101	.0207112	.0994718	.0550019	.1948215

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0282138	8.774930	.0810153	.0191419	10.44961	.1048240	.1433969
Stddev	.0003618	.090517	.0003280	.0003606	.21760	.0016738	.0008145
%RSD	1.282477	1.031538	.4048560	1.884024	2.082414	1.596784	.5680317
#1	.0282017	8.730192	.0808980	.0192426	10.59448	.1028943	.1442914
#2	.0285816	8.879105	.0813858	.0187416	10.55496	.1058839	.1432011
#3	.0278583	8.715494	.0807620	.0194415	10.19938	.1056937	.1426980

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.441034	.0174694	-.000137	.0184211	.1783279	1.035575	.0130875
Stddev	.090956	.0010178	.000801	.0005718	.0014564	.015967	.0003865
%RSD	1.077541	5.825935	584.9207	3.103984	.8166805	1.541808	2.953431
#1	8.392949	.0174010	-.000794	.0185401	.1799072	1.044991	.0133728
#2	8.545939	.0164875	.000755	.0189240	.1770379	1.017140	.0132421
#3	8.384213	.0185195	-.000372	.0177992	.1780386	1.044595	.0126476

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165891BS Acquired: 1/12/2025 4:07:26 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS891 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2085291	.0266193	.1799426
Stddev	.0010934	.0007288	.0016340
%RSD	.5243604	2.737815	.9080464
#1	.2090212	.0265998	.1784076
#2	.2092900	.0273577	.1816602
#3	.2072761	.0259005	.1797600

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2423.255	59245.91	7893.081	2741.688	3340.256
Stddev	4.488	237.58	20.843	14.969	3.292
%RSD	.1851851	.4010005	.2640612	.5459664	.0985487
#1	2427.731	59329.38	7869.284	2735.047	3340.309
#2	2418.756	58977.86	7908.094	2731.189	3343.520
#3	2423.277	59430.48	7901.864	2758.828	3336.937

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165885BL Acquired: 1/12/2025 4:11:29 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS885 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001754**	**-.000115**	**.0002729**	**.0026684**	**-.001380**	**-.006654**	**-.001381**
Stddev	.000210	.000510	.0002982	.0022538	.000588	.006814	.000712
%RSD	11.99148	442.5217	109.2689	84.45918	42.61103	102.4032	51.56597
#1	-.001991	-.000185	.0001840	.0000842	-.001936	-.005802	-.001355
#2	-.001679	-.000587	.0006055	.0042263	-.000765	-.000307	-.002105
#3	-.001590	.000426	.0000293	.0036949	-.001439	-.013855	-.000682

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000028**	**.0000123**	**.0035007**	**.0000076**	**-.000045**	**.0004193**	**.0032179**
Stddev	.000029	.0000308	.0060721	.0001245	.000099	.0007201	.0036119
%RSD	103.6679	250.4810	173.4569	1638.245	218.4722	171.7524	112.2426
#1	-.000060	.0000320	-.003299	.0001485	-.000151	-.000161	.0071863
#2	-.000008	-.000023	.008383	-.000038	-.000031	.000194	.0023451
#3	-.000014	.000028	.005418	-.000088	.000046	.001225	.0001224

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000263**	**.0074339**	**-.000445**	**-.000059**	**-.074285**	**-.001718**	**-.000267**
Stddev	.000440	.0124990	.000174	.000158	.086738	.002019	.000123
%RSD	167.4921	168.1333	39.10245	266.6966	116.7646	117.5567	46.15528
#1	-.000113	.0052648	-.000413	-.000098	-.169489	-.000547	-.000336
#2	.000083	.0208755	-.000288	-.000194	-.053621	-.000556	-.000125
#3	-.000758	-.003838	-.000632	.000115	.000256	-.004049	-.000340

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1502858**	**.0004003**	**-.002399**	**-.000231**	**.0007781**	**.0007564**	**-.000504**
Stddev	.0466155	.0020276	.000516	.000084	.0007506	.0040331	.000385
%RSD	31.01789	506.5138	21.48583	36.35438	96.46882	533.1791	76.34324
#1	.1499656	.0025960	-.001935	-.000253	.0006557	-.002177	-.000304
#2	.1038313	-.001402	-.002954	-.000138	.0000962	-.000909	-.000947
#3	.1970607	.000006	-.002309	-.000302	.0015825	.005355	-.000260

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165885BL Acquired: 1/12/2025 4:11:29 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS885 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0002622	-.000539	-.000134
Stddev	.0005858	.000685	.000012
%RSD	223.4196	126.9444	9.227884
#1	.0008777	-.000302	-.000137
#2	-.000288	-.001311	-.000145
#3	.000197	-.000005	-.000121

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2526.195	58464.69	8011.943	2711.157	3654.449
Stddev	5.613	49.65	37.259	5.568	8.234
%RSD	.2221925	.0849189	.4650418	.2053802	.2253069
#1	2521.251	58408.18	7982.862	2707.882	3645.054
#2	2532.296	58484.54	8053.942	2717.586	3660.405
#3	2525.037	58501.33	7999.026	2708.003	3657.889

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165885BS Acquired: 1/12/2025 4:15:39 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS885 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0162974**	**.0530528**	**.0179242**	**.0617854**	**.1014299**	**.3541268**	**.3697885**
Stddev	.0017717	.0011581	.0004370	.0030350	.0003367	.0077315	.0009261
%RSD	10.87091	2.182944	2.438034	4.912233	.3319013	2.183258	.2504469
#1	.0144331	.0519136	.0178789	.0583527	.1010414	.3620319	.3693504
#2	.0165000	.0530160	.0183820	.0641134	.1016345	.3465815	.3691627
#3	.0179590	.0542289	.0175116	.0628900	.1016139	.3537671	.3708524

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0107095**	**.0100262**	**9.617154**	**.0215988**	**.0990039**	**.0526118**	**.1996039**
Stddev	.0000750	.0001263	.026921	.0000939	.0002989	.0016515	.0073397
%RSD	.7000813	1.259497	.2799272	.4348402	.3019516	3.139013	3.677124
#1	.0106475	.0099547	9.614420	.0216171	.0987901	.0535800	.2080641
#2	.0107928	.0099518	9.591705	.0214971	.0988761	.0507049	.1949383
#3	.0106882	.0101720	9.645338	.0216822	.0993455	.0535505	.1958094

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0292600**	**9.044102**	**.0804224**	**.0199815**	**10.41689**	**.1062931**	**.1465084**
Stddev	.0002878	.048234	.0002005	.0003810	.04572	.0016867	.0005371
%RSD	.9836522	.5333218	.2493318	1.906825	.4388920	1.586816	.3665821
#1	.0292344	9.033423	.0801917	.0203902	10.38769	.1043759	.1459131
#2	.0295598	9.002103	.0805201	.0199181	10.46958	.1069546	.1466555
#3	.0289858	9.096781	.0805553	.0196361	10.39340	.1075487	.1469565

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.816200**	**.0183779**	**-.001560**	**.0188347**	**.1745685**	**1.033070**	**.0134990**
Stddev	.087901	.0013064	.000243	.0000763	.0022358	.014636	.0007246
%RSD	.9970348	7.108444	15.58795	.4051535	1.280778	1.416724	5.367995
#1	8.778444	.0198728	-.001651	.0189189	.1720041	1.021463	.0132462
#2	8.753486	.0178057	-.001285	.0188151	.1761091	1.049511	.0143162
#3	8.916671	.0174553	-.001745	.0187701	.1755923	1.028235	.0129347

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165885BS Acquired: 1/12/2025 4:15:39 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS885 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2083290	.0252297	.1875150
Stddev	.0007560	.0006889	.0004645
%RSD	.3628619	2.730568	.2477380
#1	.2076357	.0244361	.1878986
#2	.2091349	.0256733	.1869984
#3	.2082164	.0255798	.1876478

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2414.107	56441.41	7735.592	2651.242	3358.026
Stddev	3.864	195.92	29.854	6.406	4.198
%RSD	.1600411	.3471230	.3859360	.2416082	.1250125
#1	2415.128	56504.12	7769.654	2650.238	3359.156
#2	2417.358	56598.31	7713.965	2658.090	3361.544
#3	2409.836	56221.82	7723.157	2645.397	3353.379

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165884BL Acquired: 1/12/2025 4:19:42 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS884 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001663**	**.0004824**	**.0009964**	**.0009824**	**.0006977**	**.0019260**	**-.002591**
Stddev	.002454	.0002000	.0011200	.0015540	.0011513	.0023501	.001011
%RSD	147.5542	41.46229	112.3973	158.1920	165.0095	122.0231	39.01430
#1	-.003527	.0006444	.0015285	.0020808	.0011687	.0046289	-.003601
#2	.001117	.0002588	-.000290	-.000796	.0015389	.0003652	-.001580
#3	-.002580	.0005441	.001751	.001662	-.000614	.0007838	-.002591

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000173**	**-.000017**	**-.001190**	**-.000168**	**-.000028**	**.0002097**	**.0076083**
Stddev	.000059	.000041	.005740	.000103	.000367	.0005088	.0043647
%RSD	34.23585	242.9546	482.1209	61.32190	1291.676	242.6538	57.36818
#1	-.000189	.000029	-.006726	-.000184	-.000357	-.000259	.0043586
#2	-.000223	-.000048	.004733	-.000262	.000368	.000751	.0058969
#3	-.000108	-.000032	-.001578	-.000058	-.000096	.000137	.0125693

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000136**	**.0020086**	**-.000271**	**.0001496**	**.0213763**	**-.001723**	**-.000188**
Stddev	.000394	.0166178	.000323	.0002731	.0192312	.001929	.000152
%RSD	289.2279	827.3521	119.4776	182.5283	89.96516	111.9865	81.12544
#1	.000109	.0210598	-.000069	.0001713	.0283568	-.001935	-.000216
#2	-.000591	-.005532	-.000643	-.000134	-.000370	.000304	-.000324
#3	.000073	-.009502	-.000099	.000411	.036142	-.003537	-.000023

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1525147**	**-.001593**	**-.002974**	**.0000279**	**.0007187**	**.0105657**	**-.000001**
Stddev	.0652458	.000071	.000680	.0001603	.0035210	.0007531	.000298
%RSD	42.78000	4.438585	22.87351	574.5384	489.8836	7.127805	31849.60
#1	.0782155	-.001630	-.002845	-.000157	-.002721	.0107739	-.000105
#2	.1788597	-.001638	-.003709	.000115	.004316	.0111928	-.000233
#3	.2004688	-.001512	-.002367	.000125	.000561	.0097304	.000335

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165884BL Acquired: 1/12/2025 4:19:42 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS884 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000106	.0001497	-.000098
Stddev	.000967	.0016007	.000042
%RSD	913.1531	1069.526	42.86637
#1	-.000688	-.000396	-.000081
#2	-.000640	.001952	-.000146
#3	.001010	-.001107	-.000067

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2436.401	57184.35	7760.076	2684.670	3451.404
Stddev	4.542	51.47	62.222	9.769	15.166
%RSD	.1864302	.0900063	.8018273	.3638721	.4394256
#1	2433.159	57224.08	7701.624	2680.368	3448.724
#2	2441.592	57202.76	7753.121	2695.852	3467.731
#3	2434.451	57126.20	7825.484	2677.791	3437.756

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165884BS Acquired: 1/12/2025 4:23:52 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS884 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0166910	.0527370	.0186723	.0618499	.1035234	.3726971	.3636261
Stddev	.0029734	.0014629	.0006236	.0025104	.0010532	.0032003	.0027493
%RSD	17.81411	2.773918	3.339797	4.058773	1.017332	.8587014	.7560714
#1	.0138052	.0510478	.0193913	.0641790	.1043022	.3717019	.3634969
#2	.0197447	.0535869	.0183474	.0621798	.1023251	.3701125	.3664377
#3	.0165229	.0535763	.0182782	.0591909	.1039429	.3762768	.3609438

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0107202	.0100842	9.565876	.0210811	.0991766	.0546040	.2049426
Stddev	.0000479	.0001499	.022245	.0003470	.0002505	.0012774	.0012127
%RSD	.4469102	1.486127	.2325416	1.645877	.2525712	2.339367	.5917233
#1	.0107511	.0100616	9.562983	.0212046	.0989740	.0555078	.2062243
#2	.0106650	.0099470	9.589426	.0213493	.0990991	.0531426	.2047901
#3	.0107445	.0102441	9.545220	.0206892	.0994567	.0551616	.2038134

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0287894	9.052803	.0810290	.0192393	10.33587	.1036208	.1458185
Stddev	.0005060	.011863	.0003900	.0001739	.19370	.0015249	.0009028
%RSD	1.757640	.1310399	.4812627	.9037652	1.874100	1.471606	.6191514
#1	.0293445	9.039810	.0808239	.0194221	10.49184	.1018964	.1454174
#2	.0283539	9.055544	.0807844	.0190759	10.39673	.1047914	.1451857
#3	.0286697	9.063055	.0814787	.0192200	10.11905	.1041745	.1468524

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.734445	.0183863	-.001477	.0188783	.1766620	1.023878	.0136433
Stddev	.045755	.0020978	.000635	.0006131	.0026861	.005991	.0003519
%RSD	.5238486	11.40942	42.96363	3.247803	1.520462	.5851240	2.579320
#1	8.716429	.0159779	-.000746	.0195086	.1795568	1.030712	.0134543
#2	8.786466	.0193661	-.001797	.0182839	.1742502	1.019530	.0140494
#3	8.700440	.0198149	-.001889	.0188425	.1761790	1.021393	.0134264

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165884BS Acquired: 1/12/2025 4:23:52 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS884 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2050787	.0270128	.1868743
Stddev	.0003484	.0010421	.0005252
%RSD	.1699083	3.857901	.2810340
#1	.2054789	.0278129	.1865222
#2	.2049143	.0258343	.1874780
#3	.2048429	.0273912	.1866229

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2406.530	56550.37	7794.570	2682.774	3316.414
Stddev	4.501	206.61	45.859	11.342	8.380
%RSD	.1870431	.3653620	.5883422	.4227835	.2526734
#1	2406.715	56326.88	7746.787	2670.605	3323.018
#2	2410.935	56589.78	7838.225	2693.052	3319.237
#3	2401.938	56734.43	7798.697	2684.665	3306.988

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165886BL Acquired: 1/12/2025 4:27:55 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS886 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000507**	**-.000802**	**-.000194**	**.0009710**	**.0000338**	**-.008620**	**.0007196**
Stddev	.0008262	.000100	.002208	.0011715	.0010550	.007293	.0008694
%RSD	1630.161	12.49609	1139.497	120.6465	3124.105	84.60479	120.8151
#1	-.000431	-.000694	.001306	.0010943	.0008841	-.016882	-.000233
#2	.001005	-.000821	-.002729	.0020760	.0003641	-.005903	.001471
#3	-.000421	-.000891	.000842	-.000257	-.001147	-.003076	.000921

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000042**	**-.000075**	**.0032524**	**-.000394**	**.0001682**	**-.001651**	**-.002060**
Stddev	.000054	.000039	.0032852	.000198	.0002498	.000888	.001740
%RSD	129.9144	51.74765	101.0073	50.09804	148.4889	53.78145	84.46553
#1	-.000046	-.000119	-.000396	-.000616	.0001907	-.000903	-.003984
#2	-.000093	-.000052	.004178	-.000237	-.000092	-.002633	-.000598
#3	.000014	-.000053	.005976	-.000330	.000406	-.001419	-.001597

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000366**	**.0088353**	**-.000268**	**.0002992**	**-.122921**	**-.001960**	**-.000233**
Stddev	.0008565	.0136077	.000285	.0002687	.249712	.000794	.000474
%RSD	2338.435	154.0140	106.2172	89.80538	203.1474	40.48808	203.1474
#1	.0004885	.0212798	-.000377	.0004280	-.073057	-.001869	-.000659
#2	.0005726	-.005695	-.000483	.0004794	.098096	-.002796	.000277
#3	-.000951	.010921	.000055	-.000010	-.393803	-.001217	-.000317

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1885785**	**-.002228**	**-.002867**	**-.000163**	**.0013291**	**.0061368**	**.0001015**
Stddev	.0459476	.002703	.000865	.000167	.0056442	.0054467	.0003142
%RSD	24.36524	121.2962	30.18302	102.1490	424.6517	88.75475	309.5814
#1	.1430275	-.000875	-.003731	-.000350	.0054881	.0022046	.0003859
#2	.1877953	-.005341	-.002872	-.000114	-.005096	.0038520	.0001542
#3	.2349127	-.000469	-.002000	-.000027	.003595	.0123538	-.000236

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165886BL Acquired: 1/12/2025 4:27:55 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS886 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000356	.0010505	-.000096
Stddev	.000744	.0017923	.000017
%RSD	208.7933	170.6233	17.55475
#1	-.001214	.0030406	-.000078
#2	.000037	-.000437	-.000111
#3	.000108	.000547	-.000099

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2419.693	57805.80	7818.794	2724.778	3387.647
Stddev	.647	301.24	25.167	9.795	5.901
%RSD	.0267257	.5211160	.3218762	.3594887	.1741839
#1	2419.226	58031.35	7809.112	2733.585	3382.042
#2	2420.431	57463.70	7799.905	2714.229	3393.805
#3	2419.421	57922.35	7847.363	2726.520	3387.094

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165886BS Acquired: 1/12/2025 4:32:04 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS886 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0191874**	**.0516563**	**.0188771**	**.0651678**	**.1035371**	**.3331847**	**.3446263**
Stddev	.0003739	.0005180	.0011970	.0013937	.0017461	.0042312	.0023306
%RSD	1.948863	1.002746	6.340914	2.138631	1.686478	1.269936	.6762802
#1	.0195352	.0515471	.0175590	.0637626	.1053523	.3345835	.3437333
#2	.0187919	.0512017	.0191761	.0651910	.1018694	.3284312	.3428742
#3	.0192350	.0522202	.0198963	.0665497	.1033896	.3365395	.3472714

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0104666**	**.0100924**	**9.085559**	**.0202444**	**.0987139**	**.0510456**	**.1969504**
Stddev	.0001021	.0000234	.041526	.0003884	.0003165	.0044468	.0017046
%RSD	.9754383	.2321646	.4570572	1.918781	.3206214	8.711447	.8655015
#1	.0104955	.0100654	9.095407	.0199493	.0987673	.0484463	.1986972
#2	.0105511	.0101050	9.039994	.0200994	.0983740	.0561803	.1952914
#3	.0103532	.0101069	9.121276	.0206844	.0990002	.0485104	.1968625

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0267267**	**8.518964**	**.0801873**	**.0188602**	**10.09803**	**.1014198**	**.1393760**
Stddev	.0005352	.063736	.0000542	.0003796	.25098	.0012907	.0002347
%RSD	2.002554	.7481678	.0676075	2.012863	2.485397	1.272610	.1684128
#1	.0272114	8.493890	.0802294	.0188917	10.37699	.1027651	.1391342
#2	.0268165	8.471578	.0801262	.0192231	9.89055	.1001918	.1393910
#3	.0261523	8.591424	.0802064	.0184658	10.02654	.1013026	.1396029

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.214432**	**.0183345**	**-.002129**	**.0184040**	**.1748579**	**1.004075**	**.0141026**
Stddev	.035316	.0012496	.001238	.0003949	.0042876	.016459	.0008565
%RSD	.4299211	6.815531	58.11656	2.145655	2.452022	1.639256	6.073055
#1	8.173712	.0168929	-.003424	.0183851	.1703439	1.017762	.0132894
#2	8.236698	.0191084	-.000958	.0188080	.1788759	1.008650	.0149966
#3	8.232885	.0190022	-.002007	.0180189	.1753538	.985812	.0140218

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165886BS Acquired: 1/12/2025 4:32:04 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS886 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2026683	.0248112	.1786366
Stddev	.0009143	.0009773	.0011308
%RSD	.4511296	3.938914	.6330310
#1	.2016488	.0244779	.1787150
#2	.2029403	.0240442	.1774686
#3	.2034157	.0259116	.1797261

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2430.986	60210.16	7966.038	2795.828	3338.059
Stddev	4.495	351.20	32.627	5.755	6.679
%RSD	.1849012	.5832921	.4095713	.2058473	.2000825
#1	2428.139	59941.89	7933.082	2793.094	3331.501
#2	2436.168	60607.67	7966.707	2791.950	3344.853
#3	2428.650	60080.93	7998.325	2802.441	3337.822

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-01 Acquired: 1/12/2025 4:36:06 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMZ2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0951620**	**-.002805**	**2.039248**	**.0284743**	**-.003063**	**51.97962**
Stddev	.0029465	.001537	.004739	.0009212	.001535	.09070
%RSD	3.096276	54.80519	.2323747	3.235378	50.11472	.1744847
#1	.0962575	-.001112	2.037338	.0279482	-.002124	52.00795
#2	.0974037	-.003188	2.035762	.0279367	-.004835	51.87815
#3	.0918246	-.004115	2.044643	.0295381	-.002231	52.05278

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.032975**	**.0043279**	**.0089027**	**33.61431**	**.1633899**	**.0824045**
Stddev	.001372	.0001387	.0000172	.05453	.0005967	.0003016
%RSD	.1327766	3.203911	.1932291	.1622147	.3651781	.3660510
#1	1.034060	.0044802	.0088905	33.67349	.1639834	.0820721
#2	1.031433	.0042090	.0089224	33.60336	.1627901	.0824805
#3	1.033431	.0042945	.0088952	33.56610	.1633963	.0826609

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3352739**	**135.1416**	**7.771892**	**14.60409**	**.1885883**	**-.011306**
Stddev	.0021861	.1459	.011165	.01161	.0005060	.000133
%RSD	.6520320	.1079286	.1436590	.0794851	.2682834	1.180030
#1	.3331719	135.2338	7.782195	14.61453	.1886878	-.011282
#2	.3375354	134.9734	7.760029	14.59159	.1880400	-.011186
#3	.3351144	135.2175	7.773451	14.60614	.1890371	-.011450

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4119779**	**.1384164**	**1.413491**	**7.090593**	F **12.36566**	**.5687967**
Stddev	.0279883	.0010228	.002403	.035341	.01854	.0015509
%RSD	6.793650	.7389269	.1699706	.4984163	.1499647	.2726726
#1	.4022797	.1395448	1.413341	7.082485	12.37200	.5694741
#2	.4435254	.1375503	1.415964	7.129282	12.34478	.5670223
#3	.3901285	.1381541	1.411166	7.060010	12.38021	.5698938

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-01 Acquired: 1/12/2025 4:36:06 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMZ2 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0087750	3.535403	8.775971	.0855124	.6512521	.0636237
Stddev	.0001996	.007653	.015478	.0013038	.0019581	.0007462
%RSD	2.274814	.2164723	.1763641	1.524707	.3006694	1.172751
#1	.0085801	3.540988	8.776725	.0860886	.6525253	.0644558
#2	.0087659	3.526680	8.791058	.0864289	.6522337	.0630144
#3	.0089790	3.538542	8.760130	.0840198	.6489974	.0634007

Elem	Sr4077
Units	ppm
Avg	.1159995
Stddev	.0001644
%RSD	.1417026
#1	.1161742
#2	.1158479
#3	.1159764

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2950.684	72918.43	10117.49	3374.811	3329.628
Stddev	1.376	232.47	12.05	1.392	6.210
%RSD	.0466248	.3188126	.1190669	.0412432	.1865151
#1	2951.116	72895.13	10105.57	3376.204	3335.722
#2	2949.144	73161.67	10129.66	3374.809	3329.856
#3	2951.792	72698.48	10117.25	3373.421	3323.307

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-02 Acquired: 1/12/2025 4:40:01 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMZ3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1454008**	**-.002120**	**2.638060**	**.0304323**	**-.000725**	**57.87144**
Stddev	.0012486	.000676	.007788	.0003906	.002138	.08784
%RSD	.8587058	31.90751	.2952341	1.283497	295.0382	.1517883
#1	.1441383	-.002742	2.631759	.0307094	-.003172	57.96790
#2	.1454293	-.001400	2.635654	.0299856	.000219	57.85037
#3	.1466349	-.002217	2.646768	.0306020	.000779	57.79604

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.116543**	**.0047158**	**.0079521**	**21.94041**	**.1525719**	**.0909470**
Stddev	.004356	.0000733	.0000602	.06554	.0007911	.0002863
%RSD	.3901663	1.553515	.7570643	.2987389	.5184927	.3148442
#1	1.121137	.0046313	.0079213	21.97183	.1522468	.0908010
#2	1.116021	.0047620	.0079135	21.98434	.1534737	.0907630
#3	1.112471	.0047540	.0080214	21.86508	.1519952	.0912769

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3693014**	**141.8235**	**8.214148**	**15.08403**	**.1798703**	**-.011423**
Stddev	.0010032	.3783	.028412	.06034	.0004649	.000159
%RSD	.2716581	.2667164	.3458948	.4000284	.2584677	1.395296
#1	.3683617	142.1514	8.241995	15.13997	.1801917	-.011579
#2	.3703579	141.9094	8.215246	15.09203	.1800820	-.011430
#3	.3691844	141.4097	8.185202	15.02009	.1793372	-.011260

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4923864**	**.1502817**	**1.382172**	**7.477286**	F **11.52152**	**.5979603**
Stddev	.0821432	.0023810	.001872	.019236	.01423	.0023897
%RSD	16.68268	1.584376	.1354376	.2572596	.1234816	.3996348
#1	.5872156	.1499941	1.383610	7.498565	11.51236	.6005675
#2	.4467223	.1480576	1.380056	7.461130	11.51430	.5974392
#3	.4432212	.1527935	1.382851	7.472162	11.53791	.5958743

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-02 Acquired: 1/12/2025 4:40:01 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMZ3 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0076213	2.201451	9.519196	.0949627	.6947875	.0710247
Stddev	.0002271	.005541	.022210	.0008348	.0016000	.0002284
%RSD	2.979833	.2516875	.2333137	.8791232	.2302829	.3215843
#1	.0075945	2.196068	9.500509	.0947107	.6929402	.0712857
#2	.0074089	2.201147	9.543750	.0942829	.6956894	.0709272
#3	.0078607	2.207137	9.513329	.0958945	.6957330	.0708612

Elem	Sr4077
Units	ppm
Avg	.0921087
Stddev	.0002060
%RSD	.2236491
#1	.0923367
#2	.0920534
#3	.0919360

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3020.566	71208.87	10123.56	3300.866	3420.076
Stddev	1.629	303.57	67.35	5.017	3.202
%RSD	.0539197	.4263099	.6652454	.1519802	.0936253
#1	3022.247	71497.29	10199.99	3305.919	3420.437
#2	3020.455	70892.13	10072.91	3295.886	3423.083
#3	3018.996	71237.20	10097.78	3300.793	3416.709

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-03 Acquired: 1/12/2025 4:43:57 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMZ4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1788249**	**-.002478**	**2.784386**	**.0339351**	**-.003335**	**69.00600**
Stddev	.0037340	.000727	.005988	.0030492	.001012	.40132
%RSD	2.088077	29.34340	.2150697	8.985444	30.33270	.5815795
#1	.1774925	-.002102	2.781247	.0354244	-.002620	69.45372
#2	.1759398	-.003317	2.780620	.0304274	-.002893	68.67859
#3	.1830423	-.002016	2.791291	.0359534	-.004492	68.88570

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.605718**	**.0055311**	**.0098230**	**27.62054**	**.1461557**	**.1063833**
Stddev	.009080	.0001846	.0000929	.13211	.0002836	.0003400
%RSD	.5654819	3.337066	.9457933	.4782869	.1940536	.3195859
#1	1.615935	.0053196	.0098554	27.77093	.1458298	.1060320
#2	1.598571	.0056137	.0098954	27.52323	.1462903	.1067107
#3	1.602648	.0056600	.0097182	27.56746	.1463468	.1064074

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4713651**	**166.8953**	**9.775082**	**16.16847**	**.1893932**	**-.013445**
Stddev	.0010300	.9009	.043348	.06839	.0008470	.000264
%RSD	.2185104	.5398031	.4434500	.4230138	.4472011	1.964697
#1	.4701761	167.8749	9.823138	16.22727	.1886476	-.013158
#2	.4719837	166.1024	9.738931	16.09341	.1892179	-.013678
#3	.4719355	166.7087	9.763177	16.18473	.1903141	-.013501

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1872314**	**.1737399**	**1.634667**	**7.931486**	F **13.33521**	**.7016687**
Stddev	.2256725	.0021571	.002450	.090605	.00531	.0036696
%RSD	120.5313	1.241585	.1498675	1.142349	.0398430	.5229853
#1	-.065704	.1762284	1.631987	8.032739	13.33444	.7053596
#2	.367975	.1725902	1.636792	7.903667	13.34086	.6980207
#3	.259423	.1724012	1.635222	7.858053	13.33032	.7016259

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-03 Acquired: 1/12/2025 4:43:57 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMZ4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0063570	1.806905	9.422586	.0849085	.6900824	.0825020
Stddev	.0001599	.003007	.004738	.0009464	.0025756	.0007391
%RSD	2.515948	.1664152	.0502878	1.114631	.3732292	.8958109
#1	.0064903	1.806087	9.421518	.0838309	.6873650	.0825001
#2	.0064011	1.810236	9.418472	.0852899	.6924878	.0832420
#3	.0061796	1.804391	9.427767	.0856047	.6903943	.0817638

Elem	Sr4077
Units	ppm
Avg	.1476487
Stddev	.0011497
%RSD	.7786767
#1	.1489062
#2	.1466514
#3	.1473885

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3075.937	72207.15	10431.54	3376.757	3354.679
Stddev	6.782	235.79	56.84	7.171	7.024
%RSD	.2204888	.3265399	.5449268	.2123700	.2093779
#1	3081.297	72149.90	10496.96	3382.045	3355.779
#2	3078.201	72466.29	10403.48	3368.594	3361.089
#3	3068.313	72005.27	10394.18	3379.631	3347.171

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-04 Acquired: 1/12/2025 4:47:53 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMZ5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1143461**	**-.003122**	**.9848832**	**.0294790**	**-.003183**	**59.24212**	**.8454250**
Stddev	.0006662	.000588	.0087507	.0022064	.000200	.40901	.0038970
%RSD	.5826167	18.84734	.8884979	7.484770	6.273443	.6904086	.4609542
#1	.1145513	-.002469	.9904041	.0277463	-.003373	59.71207	.8490199
#2	.1148856	-.003612	.9747938	.0287277	-.002975	59.04781	.8459714
#3	.1136015	-.003285	.9894518	.0319629	-.003201	58.96649	.8412835

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042822**	**.0075367**	**20.41448**	**.1132757**	**.0960106**	**.3202888**	**153.7293**
Stddev	.0000688	.0001989	.13610	.0005483	.0009875	.0011257	1.0052
%RSD	1.607457	2.638497	.6666920	.4840396	1.028497	.3514709	.6538614
#1	.0042692	.0074927	20.55197	.1133676	.0960511	.3191252	154.8559
#2	.0042208	.0073635	20.41166	.1126873	.0950035	.3203689	153.4081
#3	.0043566	.0077539	20.27981	.1137723	.0969772	.3213723	152.9240

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.272357**	**16.25250**	**.1713660**	**-.013485**	**.4985784**	**.1518855**	**.8635592**
Stddev	.049107	.11948	.0011864	.000589	.1330359	.0008035	.0050112
%RSD	.5936241	.7351775	.6923124	4.367673	26.68304	.5290474	.5802959
#1	8.326411	16.37597	.1715073	-.013328	.5593791	.1527827	.8689666
#2	8.260165	16.24410	.1701153	-.012990	.5903500	.1516418	.8626392
#3	8.230495	16.13744	.1724754	-.014136	.3460060	.1512320	.8590717

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.628028**	**8.234048**	**.6418424**	**.0046797**	**1.000504**	**7.981632**	**.0395456**
Stddev	.097355	.059830	.0053040	.0001413	.006322	.029244	.0009749
%RSD	2.103587	.7266160	.8263650	3.019096	.6318829	.3663896	2.465163
#1	4.736923	8.240221	.6477120	.0045251	.999623	7.949904	.0395611
#2	4.549407	8.171371	.6404217	.0048021	.994669	7.987486	.0385631
#3	4.597756	8.290552	.6373934	.0047120	1.007221	8.007506	.0405126

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-04 Acquired: 1/12/2025 4:47:53 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMZ5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5430335	.0679564	.0985938
Stddev	.0006303	.0009630	.0006639
%RSD	.1160716	1.417076	.6733503
#1	.5428455	.0689361	.0993518
#2	.5437364	.0679220	.0983134
#3	.5425185	.0670110	.0981160

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3258.775	77988.71	11130.41	3638.462	3395.874
Stddev	12.555	392.71	60.24	31.278	25.412
%RSD	.3852701	.5035412	.5412249	.8596414	.7483155
#1	3258.395	77575.32	11184.32	3604.704	3391.369
#2	3271.516	78356.80	11141.52	3644.225	3423.238
#3	3246.414	78033.99	11065.39	3666.458	3373.017

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-05 Acquired: 1/12/2025 4:51:50 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMZ6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1290188**	**-.008207**	**.7737902**	**.0372022**	**-.004697**	**81.86606**
Stddev	.0016742	.002057	.0044287	.0010915	.000373	.51923
%RSD	1.297630	25.06095	.5723386	2.934056	7.950338	.6342375
#1	.1289006	-.007852	.7753241	.0383588	-.005128	81.26652
#2	.1307490	-.010418	.7772480	.0370578	-.004497	82.16844
#3	.1274069	-.006351	.7687985	.0361901	-.004466	82.16324

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.001117**	**.0058225**	**.0118228**	**27.55908**	**.1411149**	**.1532694**
Stddev	.007313	.0001380	.0000302	.12832	.0005588	.0003676
%RSD	.7305087	2.369999	.2550184	.4656125	.3959697	.2398222
#1	.992924	.0059813	.0117882	27.41101	.1416786	.1534390
#2	1.003441	.0057324	.0118426	27.63788	.1405612	.1528477
#3	1.006986	.0057536	.0118378	27.62835	.1411049	.1535215

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5050400**	**203.1957**	**11.42019**	**22.42624**	**.2739179**	**-.018186**
Stddev	.0040917	.9770	.05381	.10130	.0005516	.000247
%RSD	.8101764	.4808028	.4711970	.4516923	.2013593	1.359001
#1	.5024034	202.0712	11.36000	22.31538	.2733119	-.018472
#2	.5029630	203.8362	11.43693	22.51398	.2743906	-.018047
#3	.5097536	203.6796	11.46364	22.44935	.2740511	-.018040

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6045811**	**.1819205**	**.8783078**	**6.385189**	F **11.42156**	**.8559361**
Stddev	.1044766	.0014047	.0044918	.045698	.05067	.0051728
%RSD	17.28083	.7721735	.5114100	.7156911	.4436348	.6043383
#1	.5889202	.1817490	.8830293	6.332695	11.44751	.8499755
#2	.5088190	.1806094	.8778061	6.416086	11.45400	.8592488
#3	.7160041	.1834031	.8740879	6.406785	11.36317	.8585840

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-05 Acquired: 1/12/2025 4:51:50 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMZ6 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065357	1.429636	8.041113	.0268961	.6533413	.0936033
Stddev	.0002408	.004504	.039112	.0009376	.0032664	.0009472
%RSD	3.685047	.3150195	.4863984	3.485853	.4999570	1.011961
#1	.0068137	1.434278	8.048964	.0278380	.6507767	.0933165
#2	.0064018	1.429345	7.998672	.0268875	.6522285	.0946607
#3	.0063915	1.425284	8.075705	.0259629	.6570187	.0928326

Elem	Sr4077
Units	ppm
Avg	.1213503
Stddev	.0009618
%RSD	.7926004
#1	.1202433
#2	.1219813
#3	.1218264

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3811.965	89868.47	13032.63	4223.855	3266.585
Stddev	3.352	123.32	97.05	16.964	8.543
%RSD	.0879351	.1372224	.7446709	.4016312	.2615318
#1	3808.585	89732.54	12935.18	4209.709	3262.026
#2	3812.022	89973.18	13129.28	4219.193	3261.289
#3	3815.288	89899.69	13033.45	4242.663	3276.441

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-06 Acquired: 1/12/2025 4:55:44 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMZ7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0673937**	**-.005318**	**.3140346**	**.0133833**	**-.001650**	**48.90224**
Stddev	.0024986	.000630	.0015654	.0021712	.001682	.22753
%RSD	3.707470	11.84329	.4984705	16.22317	101.9367	.4652819
#1	.0649422	-.006037	.3138585	.0109057	-.000061	48.88133
#2	.0673020	-.004864	.3156805	.0149541	-.003412	48.68589
#3	.0699368	-.005052	.3125647	.0142901	-.001477	49.13951

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4827220**	**.0036797**	**.0059914**	**707.8836**	**.0816960**	**.0803410**
Stddev	.0023419	.0000798	.0000931	4.7249	.0002695	.0004099
%RSD	.4851473	2.167750	1.553866	.6674623	.3298532	.5102014
#1	.4825033	.0036041	.0060971	702.7397	.0820066	.0808105
#2	.4804971	.0037631	.0059554	712.0302	.0815246	.0800541
#3	.4851656	.0036720	.0059217	708.8809	.0815568	.0801586

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3850789**	**128.2087**	**7.501688**	**51.73911**	**.1564267**	**-.012292**
Stddev	.0007985	.6562	.040333	.17875	.0003501	.000004
%RSD	.2073582	.5117919	.5376465	.3454797	.2238317	.0346967
#1	.3850124	128.1618	7.495909	51.71096	.1562773	-.012289
#2	.3859086	127.5772	7.464557	51.57610	.1561761	-.012289
#3	.3843157	128.8870	7.544599	51.93026	.1568268	-.012297

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7168997**	**.0977103**	**.5206952**	**6.919827**	F **14.43744**	**.5717925**
Stddev	.0860052	.0015433	.0019130	.006878	.02775	.0035704
%RSD	11.99683	1.579426	.3673972	.0994014	.1922105	.6244282
#1	.8115229	.0992742	.5210611	6.921801	14.46641	.5718680
#2	.6434779	.0976683	.5186256	6.912177	14.43482	.5681848
#3	.6956984	.0961885	.5223988	6.925502	14.41109	.5753245

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-06 Acquired: 1/12/2025 4:55:44 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMZ7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030172	1.226113	7.192391	.0070373	.3802682	.0992428
Stddev	.0002621	.005690	.006167	.0004300	.0008457	.0013509
%RSD	8.687975	.4640797	.0857404	6.110337	.2224061	1.361246
#1	.0029330	1.220948	7.191916	.0065408	.3793958	.0986842
#2	.0033111	1.225179	7.198782	.0072805	.3810845	.0982607
#3	.0028075	1.232213	7.186476	.0072907	.3803244	.1007834

Elem	Sr4077
Units	ppm
Avg	.6789303
Stddev	.0034420
%RSD	.5069715
#1	.6785501
#2	.6756942
#3	.6825466

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2963.836	69492.23	10590.02	3236.132	2873.696
Stddev	.389	252.05	71.78	12.355	9.135
%RSD	.0131235	.3627058	.6778216	.3817748	.3178885
#1	2963.482	69773.93	10624.30	3248.721	2866.955
#2	2963.773	69414.75	10507.52	3235.651	2884.093
#3	2964.252	69288.02	10638.23	3224.025	2870.041

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV002 Acquired: 1/12/2025 4:59:49 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV002 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.722824**	**4.812867**	**24.30055**	**4.765018**	**4.687995**	**396.2797**
Stddev	.001471	.023600	.03952	.014604	.009458	3.3465
%RSD	.0311509	.4903495	.1626438	.3064942	.2017407	.8444737
#1	4.722955	4.792295	24.28803	4.748855	4.678322	392.7756
#2	4.721292	4.807675	24.26880	4.768935	4.688442	396.6211
#3	4.724226	4.838630	24.34482	4.777265	4.697221	399.4423

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.15897**	**.4904563**	**2.451529**	**397.1702**	**15.31073**	**2.459332**
Stddev	.03489	.0019002	.005624	2.3676	.04188	.003203
%RSD	.3434674	.3874385	.2293944	.5961258	.2735483	.1302282
#1	10.19721	.4885792	2.448885	395.3203	15.31013	2.458197
#2	10.15081	.4923788	2.447714	399.8384	15.26915	2.456851
#3	10.12887	.4904110	2.457987	396.3518	15.35291	2.462948

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.74748**	**394.1474**	**15.11365**	**246.6393**	**2.458409**	**1.233723**
Stddev	.01615	2.2446	.09325	1.1898	.004577	.000725
%RSD	.1094995	.5694855	.6169824	.4824034	.1861851	.0587993
#1	14.75188	394.6876	15.13728	246.7368	2.454648	1.234010
#2	14.72958	391.6819	15.01086	245.4037	2.457074	1.232899
#3	14.76096	396.0726	15.19281	247.7773	2.463505	1.234262

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**400.0154**	**2.423414**	**15.81770**	**152.5129**	**4.920317**	F **5.879648**
Stddev	1.4598	.002802	.02943	1.0128	.013950	.008467
%RSD	.3649329	.1156376	.1860497	.6640522	.2835221	.1440069
#1	399.4855	2.420498	15.80036	152.7721	4.905481	5.870106
#2	398.8946	2.423659	15.80107	151.3957	4.922302	5.882572
#3	401.6662	2.426087	15.85168	153.3709	4.933169	5.886266

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV002 Acquired: 1/12/2025 4:59:49 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV002 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.689056**	**4.935176**	**4.865181**	**4.886488**	**4.913741**	**5.027312**
Stddev	.003957	.011878	.006386	.013742	.010033	.035110
%RSD	.0843950	.2406814	.1312694	.2812316	.2041918	.6983758
#1	4.685020	4.924464	4.864696	4.876317	4.914952	5.035576
#2	4.689219	4.933114	4.859051	4.881025	4.903156	4.988808
#3	4.692930	4.947950	4.871796	4.902122	4.923113	5.057553

Elem	Sr4077
Units	ppm
Avg	**5.046820**
Stddev	.039773
%RSD	.7880852
#1	5.092284
#2	5.018458
#3	5.029718

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1977.297**	**49930.27**	**7726.869**	**2325.322**	**2670.757**
Stddev	2.868	141.17	13.613	3.196	5.874
%RSD	.1450697	.2827412	.1761766	.1374464	.2199436
#1	1974.790	49880.74	7731.630	2328.023	2667.986
#2	1980.425	50089.53	7711.516	2326.149	2677.504
#3	1976.675	49820.54	7737.463	2321.794	2666.781

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB002 Acquired: 1/12/2025 5:04:07 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB002 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000691**	**-.000511**	**.0013489**	**.0022849**	**.0010374**	**.0090613**	**.0005299**
Stddev	.000922	.000927	.0005899	.0034267	.0006315	.0056681	.0002912
%RSD	133.4870	181.4215	43.73245	149.9749	60.86899	62.55286	54.95795
#1	.000134	.000469	.0006683	.0061872	.0013655	.0038919	.0007658
#2	-.000520	-.000629	.0016660	-.000233	.0003095	.0081697	.0006194
#3	-.001687	-.001374	.0017125	.000900	.0014374	.0151225	.0002044

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000025**	**.0000730**	**.0184441**	**.0004805**	**.0002058**	**-.001495**	**.0201567**
Stddev	.000005	.0000539	.0038852	.0001200	.0000416	.001990	.0077440
%RSD	18.42944	73.86016	21.06499	24.98280	20.19986	133.0898	38.41899
#1	-.000030	.0000128	.0183565	.0006191	.0001586	-.002531	.0112356
#2	-.000025	.0000893	.0146034	.0004133	.0002218	-.002754	.0240885
#3	-.000020	.0001168	.0223724	.0004091	.0002370	.000799	.0251460

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006677**	**.0174809**	**-.000244**	**-.000032**	**-.088927**	**-.001422**	**.0006670**
Stddev	.0001993	.0167284	.000274	.000285	.157375	.000497	.0003053
%RSD	29.84388	95.69539	112.2694	888.4834	176.9704	34.97954	45.76842
#1	.0006172	.0170344	-.000280	.000233	-.073214	-.001990	.0006117
#2	.0004985	.0009802	.000046	.000004	.060001	-.001064	.0003932
#3	.0008873	.0344280	-.000499	-.000334	-.253569	-.001212	.0009962

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1510292**	**-.000142**	**.0024471**	**.0003409**	**.0007385**	**-.000503**	**.0002449**
Stddev	.0316925	.001260	.0010244	.0000965	.0013991	.003922	.0001813
%RSD	20.98436	889.2906	41.86223	28.32168	189.4461	779.7867	74.01533
#1	.1152257	-.001529	.0035849	.0004511	.0019786	.001766	.0001688
#2	.1623737	.000171	.0021580	.0003005	-.000778	.001757	.0001141
#3	.1754882	.000933	.0015982	.0002711	.001015	-.005032	.0004519

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB002 Acquired: 1/12/2025 5:04:07 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB002 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0000954	.0002228	.0000806
Stddev	.0003663	.0005157	.0000424
%RSD	383.9685	231.4696	52.53446
#1	-.000019	-.000127	.0000369
#2	-.000200	-.000020	.0000835
#3	.000505	.000815	.0001215

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2507.540	59062.69	7998.023	2767.535	3567.258
Stddev	8.239	36.35	16.170	5.257	14.447
%RSD	.3285804	.0615474	.2021760	.1899626	.4049842
#1	2506.822	59074.54	8016.474	2763.381	3575.333
#2	2516.115	59091.64	7991.280	2773.446	3575.861
#3	2499.683	59021.90	7986.316	2765.778	3550.579

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-07 Acquired: 1/12/2025 5:08:17 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMZ8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0571522**	**-.008252**	**.2359815**	**.0018400**	**-.000220**	**41.36944**
Stddev	.0005378	.001475	.0019883	.0025412	.000867	.18088
%RSD	.9409212	17.87701	.8425624	138.1127	393.9766	.4372392
#1	.0566257	-.009477	.2351520	-.000936	-.000126	41.18421
#2	.0571304	-.006614	.2382502	.002405	-.001130	41.54563
#3	.0577006	-.008665	.2345423	.004051	.000596	41.37849

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3571252**	**.0032522**	**.0058435**	F **1048.593**	**.0648756**	**.0669572**
Stddev	.0029329	.0000660	.0001042	9.871	.0004879	.0004772
%RSD	.8212406	2.028402	1.783509	.9413166	.7520421	.7126726
#1	.3538012	.0033113	.0057302	1040.457	.0652286	.0667225
#2	.3593485	.0031810	.0058649	1059.574	.0643188	.0666429
#3	.3582257	.0032643	.0059353	1045.748	.0650793	.0675063

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2938096**	**105.2752**	**9.250448**	**137.5199**	**.1380674**	**-.010713**
Stddev	.0033011	.5766	.048651	.7766	.0003948	.000436
%RSD	1.123562	.5477358	.5259311	.5647506	.2859197	4.074276
#1	.2935135	104.7001	9.200433	136.7584	.1384723	-.011073
#2	.2972489	105.8533	9.297609	138.3108	.1380461	-.010228
#3	.2906665	105.2721	9.253302	137.4904	.1376837	-.010839

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.317138**	**.0831407**	**.4690222**	**6.289703**	F **31.41101**	**.4746407**
Stddev	.200761	.0006876	.0003769	.021544	.01987	.0033385
%RSD	15.24223	.8270564	.0803555	.3425256	.0632470	.7033660
#1	1.433879	.0830671	.4694551	6.284311	31.39713	.4715818
#2	1.085321	.0838622	.4687672	6.313430	31.40213	.4782018
#3	1.432214	.0824929	.4688443	6.271366	31.43377	.4741384

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-07 Acquired: 1/12/2025 5:08:17 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMZ8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0029847	1.759608	5.458402	.0057047	.4035695	.0984377
Stddev	.0002522	.006099	.001684	.0003701	.0016285	.0015251
%RSD	8.448777	.3466225	.0308444	6.487384	.4035280	1.549295
#1	.0027810	1.764449	5.459869	.0053394	.4030102	.0970117
#2	.0032668	1.752758	5.456564	.0056955	.4054040	.0982558
#3	.0029064	1.761618	5.458773	.0060794	.4022944	.1000455

Elem	Sr4077
Units	ppm
Avg	.9351711
Stddev	.0053653
%RSD	.5737196
#1	.9293422
#2	.9399032
#3	.9362680

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3010.336	73347.85	11040.68	3385.382	2673.851
Stddev	2.496	218.93	41.95	1.885	4.712
%RSD	.0829214	.2984832	.3799486	.0556825	.1762313
#1	3007.455	73513.19	10996.53	3383.335	2669.286
#2	3011.847	73099.57	11045.49	3385.764	2673.571
#3	3011.707	73430.79	11080.01	3387.046	2678.698

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-08 Acquired: 1/12/2025 5:12:23 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN75 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0588870**	**-.002072**	**1.491898**	**.0245013**	**.0002513**	**45.94561**	**.8757355**
Stddev	.0006115	.001146	.000964	.0031243	.0013774	.41015	.0060360
%RSD	1.038338	55.29187	.0645954	12.75169	548.0066	.8926870	.6892508
#1	.0588424	-.000795	1.490828	.0251795	-.000906	45.85371	.8750915
#2	.0595195	-.002409	1.492170	.0210935	-.000114	45.58921	.8700473
#3	.0582991	-.003011	1.492697	.0272308	.001775	46.39392	.8820677

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0035752**	**.0068517**	**153.7431**	**.1110513**	**.0555527**	**.2140002**	**117.7819**
Stddev	.0002222	.0000612	1.0441	.0006444	.0002549	.0022283	.8813
%RSD	6.215777	.8926940	.6791270	.5803060	.4589201	1.041267	.7482510
#1	.0036008	.0069067	153.6172	.1117920	.0556189	.2161246	117.5303
#2	.0037836	.0068625	152.7676	.1107425	.0552712	.2116808	117.0538
#3	.0033413	.0067859	154.8444	.1106194	.0557681	.2141951	118.7617

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.986491**	**37.78924**	**.1368151**	**-.009707**	**.3367139**	**.1133298**	**1.405888**
Stddev	.041545	.23378	.0006643	.000333	.0112937	.0016070	.004512
%RSD	.5946458	.6186410	.4855113	3.435051	3.354084	1.417963	.3209460
#1	6.992335	37.77299	.1374845	-.010051	.3240887	.1150517	1.402032
#2	6.942334	37.56400	.1361561	-.009386	.3401979	.1118699	1.410850
#3	7.024804	38.03072	.1368047	-.009684	.3458551	.1130676	1.404782

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.425477**	**9.431192**	**.5296495**	**.0044686**	**4.046781**	**7.153868**	**.0603027**
Stddev	.111422	.007497	.0051666	.0003300	.014339	.024091	.0007813
%RSD	1.182132	.0794920	.9754700	7.385275	.3543407	.3367603	1.295652
#1	9.326076	9.425961	.5283727	.0041138	4.030402	7.176004	.0611776
#2	9.404438	9.439781	.5252411	.0045255	4.052865	7.157391	.0600556
#3	9.545919	9.427834	.5353348	.0047665	4.057075	7.128210	.0596747

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-08 Acquired: 1/12/2025 5:12:23 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN75 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.7099682	.0722851	.1825787
Stddev	.0011960	.0007436	.0016572
%RSD	.1684618	1.028763	.9076404
#1	.7099758	.0714544	.1818169
#2	.7111604	.0728886	.1814394
#3	.7087684	.0725123	.1844798

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2710.879	64324.31	9364.855	2999.854	3172.294
Stddev	1.860	270.56	50.840	5.106	3.152
%RSD	.0686141	.4206174	.5428805	.1702244	.0993707
#1	2709.735	64269.33	9334.349	3000.188	3169.706
#2	2713.025	64618.14	9336.671	2994.589	3175.805
#3	2709.878	64085.47	9423.545	3004.786	3171.372

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-09 Acquired: 1/12/2025 5:16:20 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN76 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0706173**	**-.003850**	**1.785872**	**.0219128**	**.0011090**	**47.69106**	**1.359660**
Stddev	.0021060	.002685	.002313	.0017445	.0010407	.22211	.001061
%RSD	2.982327	69.72157	.1295182	7.960913	93.83905	.4657262	.0780479
#1	.0713397	-.000791	1.783444	.0215140	.0004883	47.75917	1.359806
#2	.0722671	-.005810	1.788050	.0238221	.0023104	47.44287	1.360640
#3	.0682452	-.004950	1.786122	.0204022	.0005283	47.87114	1.358533

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0038791**	**.0081485**	**371.5877**	**.1081436**	**.0621415**	**.2166292**	**129.6559**
Stddev	.0000520	.0000888	2.3962	.0002413	.0003328	.0008283	.4256
%RSD	1.340639	1.089301	.6448611	.2230836	.5355195	.3823693	.3282791
#1	.0038190	.0080525	374.0119	.1082786	.0622828	.2175656	129.6446
#2	.0039074	.0081653	369.2205	.1082872	.0617614	.2163298	129.2360
#3	.0039108	.0082276	371.5308	.1078651	.0623803	.2159922	130.0871

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.790192**	**41.76081**	**.1369013**	**-.010300**	**.5749595**	**.1234121**	**1.622500**
Stddev	.004248	.12092	.0006212	.000253	.1142368	.0014708	.002567
%RSD	.0433922	.2895630	.4537919	2.454561	19.86866	1.191770	.1582275
#1	9.794684	41.83918	.1362312	-.010029	.5676681	.1240381	1.620103
#2	9.786239	41.62154	.1374580	-.010342	.4645430	.1217318	1.622186
#3	9.789652	41.82170	.1370149	-.010529	.6926672	.1244662	1.625209

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.385491**	**9.035914**	**.5749818**	**.0049424**	**3.426656**	**4.846519**	**.0542375**
Stddev	.041605	.011043	.0023494	.0002442	.007231	.022997	.0013673
%RSD	.4961557	.1222159	.4085984	4.940292	.2110356	.4745109	2.520880
#1	8.355620	9.038615	.5738252	.0051507	3.430623	4.820036	.0557022
#2	8.367840	9.045356	.5734349	.0046737	3.418310	4.861460	.0529948
#3	8.433011	9.023771	.5776852	.0050027	3.431037	4.858059	.0540154

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-09 Acquired: 1/12/2025 5:16:20 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN76 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6475300	.0776181	.5464528
Stddev	.0021933	.0007018	.0034391
%RSD	.3387221	.9042156	.6293446
#1	.6456747	.0783654	.5470709
#2	.6469647	.0769729	.5427467
#3	.6499507	.0775159	.5495410

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2687.399	63129.38	9459.962	2975.208	3055.163
Stddev	2.022	26.05	32.161	2.902	3.458
%RSD	.0752280	.0412651	.3399707	.0975512	.1131733
#1	2687.678	63138.18	9485.625	2977.569	3058.978
#2	2685.253	63149.88	9423.884	2976.086	3052.237
#3	2689.267	63100.06	9470.376	2971.968	3054.274

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-10 Acquired: 1/12/2025 5:20:25 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN77 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0862751**	**-.002228**	**2.300532**	**.0283100**	**.0001477**	**54.37464**	**1.173867**
Stddev	.0021611	.001438	.000757	.0023820	.0007881	.21049	.004656
%RSD	2.504943	64.53110	.0329021	8.413950	533.4788	.3871043	.3966758
#1	.0856650	-.003255	2.299992	.0299164	.0010216	54.18431	1.172255
#2	.0886758	-.000585	2.301397	.0255733	-.000509	54.33891	1.170231
#3	.0844847	-.002844	2.300207	.0294403	-.000070	54.60071	1.179115

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041760**	**.0086015**	**217.6745**	**.1221953**	**.0702382**	**.2417786**	**145.7641**
Stddev	.0000874	.0000664	.6015	.0003937	.0000840	.0012143	.5641
%RSD	2.092149	.7720335	.2763181	.3221741	.1196286	.5022195	.3870051
#1	.0041873	.0086336	217.3136	.1225178	.0703141	.2429081	145.3387
#2	.0040834	.0086458	217.3410	.1223115	.0702528	.2419333	145.5496
#3	.0042571	.0085252	218.3688	.1217566	.0701479	.2404944	146.4040

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.244260**	**51.58089**	**.1581408**	**-.010737**	**.3895245**	**.1289598**	**1.610209**
Stddev	.028204	.14914	.0004668	.000869	.0885533	.0024789	.001026
%RSD	.3420990	.2891436	.2951658	8.096112	22.73370	1.922210	.0637468
#1	8.225095	51.42878	.1578813	-.011370	.4773431	.1294364	1.609896
#2	8.231039	51.58702	.1578614	-.011095	.3909760	.1262772	1.609376
#3	8.276645	51.72688	.1586797	-.009746	.3002544	.1311657	1.611356

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.904918**	**8.640161**	**.6315994**	**.0068898**	**2.693148**	**5.081885**	**.0819969**
Stddev	.050175	.020284	.0037338	.0003977	.005999	.004552	.0007751
%RSD	.5634491	.2347586	.5911709	5.771771	.2227548	.0895742	.9452133
#1	8.852672	8.663580	.6287485	.0069698	2.699876	5.082224	.0823192
#2	8.909355	8.628767	.6302238	.0064582	2.691211	5.086259	.0811127
#3	8.952727	8.628137	.6358259	.0072414	2.688356	5.077174	.0825587

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-10 Acquired: 1/12/2025 5:20:25 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN77 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6833107	.0825277	.2305814
Stddev	.0017903	.0007803	.0010905
%RSD	.2620082	.9454966	.4729361
#1	.6847354	.0833907	.2297509
#2	.6813011	.0818720	.2301769
#3	.6838957	.0823203	.2318163

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2734.587	64391.27	9563.312	3037.419	3092.815
Stddev	5.674	79.75	25.533	3.281	6.831
%RSD	.2074858	.1238556	.2669939	.1080312	.2208676
#1	2732.852	64417.86	9547.621	3041.208	3086.173
#2	2740.926	64454.33	9549.541	3035.540	3099.820
#3	2729.984	64301.62	9592.775	3035.509	3092.451

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-11 Acquired: 1/12/2025 5:24:21 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN78 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0841260**	**-.002761**	**1.542764**	**.0310651**	**-.001071**	**60.76896**	**1.249816**
Stddev	.0015551	.001293	.002485	.0019883	.002057	.08511	.004066
%RSD	1.848484	46.83639	.1610588	6.400471	192.1876	.1400494	.3253208
#1	.0859119	-.002663	1.539897	.0302093	-.000949	60.67915	1.245466
#2	.0830713	-.004101	1.544283	.0296479	.000924	60.77934	1.250461
#3	.0833949	-.001520	1.544112	.0333380	-.003186	60.84841	1.253521

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045659**	**.0076644**	**67.19623**	**.1240522**	**.0696275**	**.2239503**	**144.4761**
Stddev	.0000959	.0000680	.15234	.0004774	.0004626	.0025427	.2670
%RSD	2.099390	.8873764	.2267118	.3848505	.6643352	1.135406	.1847967
#1	.0045124	.0076201	67.04688	.1245121	.0691209	.2254960	144.2326
#2	.0045087	.0076303	67.19040	.1235590	.0700274	.2253394	144.4340
#3	.0046765	.0077427	67.35140	.1240854	.0697342	.2210156	144.7616

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.266557**	**22.75595**	**.1457422**	**-.010905**	**.4910697**	**.1391598**	**1.164041**
Stddev	.023181	.01555	.0002555	.000355	.3800673	.0013821	.001729
%RSD	.2804141	.0683476	.1753270	3.252307	77.39580	.9931474	.1485564
#1	8.245502	22.74487	.1454852	-.010887	.3784203	.1380576	1.165887
#2	8.262772	22.74925	.1457451	-.010559	.9147276	.1407104	1.163778
#3	8.291397	22.77373	.1459962	-.011268	.1800610	.1387115	1.162459

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.814851**	**9.043321**	**.6273455**	**.0043575**	**2.493597**	**6.122652**	**.1098656**
Stddev	.041802	.032850	.0028104	.0001343	.007933	.020764	.0006986
%RSD	.4259065	.3632500	.4479852	3.081906	.3181395	.3391275	.6358797
#1	9.784442	9.014193	.6243634	.0045066	2.485263	6.115380	.1094105
#2	9.797592	9.036843	.6277281	.0043200	2.494470	6.146073	.1106700
#3	9.862519	9.078928	.6299451	.0042460	2.501057	6.106502	.1095162

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-11 Acquired: 1/12/2025 5:24:21 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN78 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.7658383	.0848230	.1405129
Stddev	.0035991	.0012740	.0002446
%RSD	.4699547	1.502004	.1740848
#1	.7630668	.0848034	.1402365
#2	.7699059	.0835588	.1406007
#3	.7645421	.0861067	.1407015

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2842.258	67400.20	9839.529	3206.973	3237.663
Stddev	4.354	98.55	35.287	2.299	8.573
%RSD	.1531923	.1462105	.3586235	.0716788	.2647926
#1	2843.406	67316.44	9803.204	3204.479	3246.232
#2	2845.922	67508.79	9841.707	3207.435	3237.671
#3	2837.444	67375.38	9873.677	3209.006	3229.086

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-12 Acquired: 1/12/2025 5:28:19 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN79 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0660448	-.005741	.9900787	.0259465	-.003686	56.33236
Stddev	.0005359	.001593	.0003250	.0033874	.001694	.10079
%RSD	.8114393	27.75736	.0328218	13.05536	45.97178	.1789275
#1	.0660325	-.004261	.9902197	.0251993	-.003708	56.22420
#2	.0655151	-.007428	.9903093	.0229951	-.001980	56.34922
#3	.0665867	-.005533	.9897071	.0296452	-.005369	56.42366

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.160622	.0040725	.0069403	103.3995	.1092997	.0680772
Stddev	.003636	.0000680	.0001056	.2242	.0003061	.0002670
%RSD	.3133176	1.669850	1.522179	.2168456	.2800820	.3922364
#1	1.157216	.0041478	.0069548	103.1507	.1089528	.0683631
#2	1.164452	.0040155	.0070380	103.4618	.1094144	.0680343
#3	1.160198	.0040542	.0068282	103.5860	.1095320	.0678342

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1628643	140.3808	9.215212	22.67135	.1388034	-.011407
Stddev	.0011630	.3541	.017015	.03055	.0001812	.000240
%RSD	.7140581	.2522327	.1846426	.1347735	.1305059	2.108143
#1	.1633381	140.0054	9.195567	22.64059	.1390125	-.011471
#2	.1615393	140.4281	9.225294	22.70170	.1386949	-.011609
#3	.1637156	140.7088	9.224775	22.67174	.1387028	-.011141

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4809123	.1283221	.9329820	8.444000	F 12.88643	.6078814
Stddev	.0693405	.0028226	.0010724	.008762	.02469	.0025686
%RSD	14.41853	2.199626	.1149428	.1037692	.1915913	.4225474
#1	.4055933	.1309951	.9318519	8.446430	12.91470	.6054353
#2	.5420960	.1253706	.9331086	8.434279	12.87548	.6076518
#3	.4950475	.1286006	.9339854	8.451290	12.86910	.6105571

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-12 Acquired: 1/12/2025 5:28:19 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN79 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040521	2.286881	6.101722	.0605615	.7073963	.0838456
Stddev	.0003420	.009290	.026358	.0008197	.0021672	.0009441
%RSD	8.440947	.4062324	.4319807	1.353553	.3063612	1.125945
#1	.0040680	2.283673	6.103416	.0613585	.7077951	.0848712
#2	.0037024	2.297350	6.127193	.0597208	.7093364	.0836530
#3	.0043859	2.279620	6.074558	.0606052	.7050574	.0830128

Elem	Sr4077
Units	ppm
Avg	.1889108
Stddev	.0001072
%RSD	.0567316
#1	.1888636
#2	.1890335
#3	.1888354

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3023.280	70163.23	10268.89	3326.600	3283.361
Stddev	2.053	92.31	39.50	11.228	4.316
%RSD	.0678912	.1315666	.3846241	.3375265	.1314499
#1	3020.927	70179.65	10223.51	3339.559	3282.523
#2	3024.702	70246.23	10295.54	3319.760	3288.035
#3	3024.212	70063.81	10287.62	3320.483	3279.526

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-13 Acquired: 1/12/2025 5:32:16 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN80 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0608128**	**-.004884**	**.7761733**	**.0280172**	**-.005733**	**61.67354**	**1.010684**
Stddev	.0006142	.000624	.0007768	.0019072	.002188	.06010	.003192
%RSD	1.009994	12.77575	.1000844	6.807077	38.15590	.0974446	.3157903
#1	.0604905	-.004997	.7760933	.0263915	-.004269	61.72126	1.013659
#2	.0615210	-.005443	.7754395	.0301165	-.004684	61.60605	1.011081
#3	.0604268	-.004211	.7769870	.0275435	-.008248	61.69330	1.007313

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0039742**	**.0067926**	**93.87895**	**.1234173**	**.0869070**	**.1087377**	**183.2116**
Stddev	.0000593	.0000367	.10642	.0002659	.0002733	.0022359	.2510
%RSD	1.491005	.5410612	.1133621	.2154405	.3144974	2.056216	.1370118
#1	.0040039	.0068350	93.99598	.1231647	.0871870	.1067006	183.2030
#2	.0040128	.0067697	93.85289	.1233925	.0868932	.1111298	182.9650
#3	.0039060	.0067731	93.78798	.1236947	.0866409	.1083826	183.4668

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.048637**	**26.25066**	**.1924093**	**-.016977**	**.4302089**	**.1477808**	**.7866450**
Stddev	.024734	.05573	.0001340	.000134	.1875207	.0023670	.0042212
%RSD	.3073100	.2122947	.0696201	.7910519	43.58828	1.601710	.5366030
#1	8.060773	26.18633	.1925612	-.017059	.5820188	.1461820	.7909183
#2	8.064959	26.28143	.1923080	-.017049	.4880175	.1505000	.7865388
#3	8.020179	26.28422	.1923588	-.016822	.2205904	.1466604	.7824780

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.626766**	**8.223879**	**.7771453**	**.0021262**	**.7032333**	**8.312562**	**.0072925**
Stddev	.016162	.027031	.0009471	.0001220	.0017723	.044010	.0006491
%RSD	.1873487	.3286884	.1218745	5.737649	.2520200	.5294451	8.900993
#1	8.611580	8.252264	.7770472	.0022625	.7018119	8.326401	.0070851
#2	8.624964	8.220930	.7762510	.0020887	.7026690	8.347989	.0067724
#3	8.643753	8.198444	.7781377	.0020273	.7052190	8.263295	.0080200

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-13 Acquired: 1/12/2025 5:32:16 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN80 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.8526590	.1088597	.1331842
Stddev	.0035946	.0011736	.0004862
%RSD	.4215729	1.078041	.3650957
#1	.8539471	.1098554	.1328508
#2	.8554320	.1091579	.1329597
#3	.8485978	.1075659	.1337422

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3095.808	72263.40	10411.98	3393.863	3266.724
Stddev	4.939	173.69	9.03	5.488	6.912
%RSD	.1595467	.2403550	.0866916	.1617126	.2116007
#1	3090.985	72298.06	10415.58	3388.861	3258.746
#2	3100.856	72417.14	10401.70	3399.734	3270.894
#3	3095.583	72074.99	10418.65	3392.994	3270.534

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-14 Acquired: 1/12/2025 5:36:13 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN81 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0573544**	**-.002275**	**.6034417**	**.0332844**	**-.003454**	**68.38861**	**.6786568**
Stddev	.0021081	.001804	.0042462	.0003661	.001475	.29857	.0049964
%RSD	3.675577	79.29437	.7036605	1.099857	42.70572	.4365719	.7362214
#1	.0549385	-.002856	.6040026	.0329797	-.004076	68.06139	.6741232
#2	.0588204	-.003718	.5989430	.0331830	-.001770	68.64624	.6840138
#3	.0583044	-.000252	.6073796	.0336905	-.004516	68.45819	.6778334

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041075**	**.0057564**	**67.56724**	**.1406023**	**.0864055**	**.1588875**	**182.3645**
Stddev	.0000091	.0001202	.21090	.0004137	.0001127	.0011794	.6342
%RSD	.2217661	2.088683	.3121387	.2941973	.1304241	.7423060	.3477591
#1	.0041152	.0056993	67.35124	.1407716	.0863418	.1584280	181.7634
#2	.0040974	.0056753	67.77265	.1409044	.0863392	.1602276	183.0272
#3	.0041098	.0058945	67.57782	.1401308	.0865357	.1580071	182.3031

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.100798**	**39.66918**	**.2033377**	**-.017558**	**.5169015**	**.1523539**	**.7718413**
Stddev	.016608	.06654	.0003595	.000181	.0602846	.0016853	.0036584
%RSD	.4049861	.1677251	.1767817	1.030648	11.66269	1.106147	.4739826
#1	4.087254	39.61424	.2032385	-.017488	.4859434	.1539909	.7677056
#2	4.119327	39.74316	.2030383	-.017422	.4783857	.1524465	.7731634
#3	4.095812	39.65014	.2037364	-.017763	.5863753	.1506242	.7746548

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.058260**	**8.986980**	**.7727674**	**.0012677**	**.9484937**	**3.699784**	**.0199818**
Stddev	.084356	.013201	.0028735	.0000652	.0019214	.020815	.0007278
%RSD	.9312650	.1468849	.3718383	5.145032	.2025717	.5626126	3.642501
#1	8.990634	8.997521	.7710571	.0013274	.9501574	3.700108	.0197918
#2	9.152786	8.972175	.7760848	.0011981	.9463908	3.720435	.0193678
#3	9.031361	8.991246	.7711602	.0012777	.9489330	3.678808	.0207858

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-14 Acquired: 1/12/2025 5:36:13 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN81 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.057535	.1234818	.1245551
Stddev	.001704	.0015147	.0004502
%RSD	.1611583	1.226663	.3614324
#1	1.059450	.1222743	.1240550
#2	1.056968	.1251813	.1246820
#3	1.056186	.1229898	.1249282

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3175.010	73855.41	10593.27	3451.862	3307.627
Stddev	1.403	189.52	54.56	2.457	1.852
%RSD	.0441749	.2566033	.5150404	.0711818	.0560031
#1	3176.526	73740.01	10533.50	3451.711	3309.278
#2	3173.759	73752.09	10605.91	3449.484	3305.624
#3	3174.745	74074.13	10640.40	3454.391	3307.979

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-15 Acquired: 1/12/2025 5:40:10 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN81D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0576918**	**-.002608**	**.6125607**	**.0288845**	**-.003114**	**67.31012**	**.6570327**
Stddev	.0013194	.001437	.0009879	.0018287	.001573	.24973	.0053868
%RSD	2.286982	55.07485	.1612700	6.331064	50.50564	.3710210	.8198714
#1	.0581313	-.004172	.6117403	.0275623	-.004910	67.59804	.6624626
#2	.0562087	-.002305	.6136573	.0309715	-.002443	67.15221	.6569455
#3	.0587353	-.001347	.6122845	.0281198	-.001988	67.18013	.6516900

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0040388**	**.0061695**	**66.03542**	**.1413089**	**.0883600**	**.1560146**	**177.6818**
Stddev	.0000777	.0000431	.35705	.0006352	.0002429	.0016968	.7119
%RSD	1.923380	.6993618	.5406896	.4495029	.2748940	1.087611	.4006727
#1	.0039734	.0061903	66.44439	.1406661	.0884102	.1577905	178.4896
#2	.0041247	.0061199	65.87610	.1419362	.0885739	.1544097	177.1457
#3	.0040184	.0061983	65.78577	.1413245	.0880959	.1558436	177.4102

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.967371**	**38.47584**	**.2071413**	**-.017810**	**.6465489**	**.1505649**	**.7619536**
Stddev	.031863	.21910	.0005005	.000487	.0479791	.0016473	.0039351
%RSD	.8031343	.5694357	.2416350	2.733352	7.420796	1.094102	.5164465
#1	4.002809	38.71494	.2065761	-.017706	.5963254	.1515016	.7609017
#2	3.958221	38.28469	.2075284	-.017383	.6919138	.1486628	.7586515
#3	3.941084	38.42789	.2073194	-.018340	.6514075	.1515304	.7663078

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.078048**	**9.266152**	**.7499946**	**.0012396**	**.9772544**	**7.233376**	**.0205165**
Stddev	.069181	.010507	.0021135	.0001109	.0006381	.025576	.0005015
%RSD	.7620652	.1133941	.2817987	8.948428	.0652958	.3535807	2.444463
#1	9.074904	9.274167	.7522558	.0012081	.9777762	7.257651	.0204150
#2	9.010494	9.270033	.7480690	.0011478	.9774440	7.235804	.0200734
#3	9.148748	9.254257	.7496588	.0013628	.9765429	7.206672	.0210610

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-15 Acquired: 1/12/2025 5:40:10 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN81D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.080373	.1191628	.1258510
Stddev	.004611	.0019075	.0005125
%RSD	.4267590	1.600762	.4072256
#1	1.083273	.1203884	.1263972
#2	1.082790	.1201349	.1253807
#3	1.075057	.1169650	.1257751

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3143.523	75361.13	10631.00	3502.546	3249.493
Stddev	4.435	87.29	34.05	14.796	3.019
%RSD	.1410698	.1158225	.3203005	.4224308	.0929063
#1	3141.627	75265.65	10658.72	3498.646	3250.956
#2	3140.352	75380.93	10592.99	3518.901	3246.021
#3	3148.591	75436.82	10641.29	3490.091	3251.502

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-14LX5 Acquired: 1/12/2025 5:44:08 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN81L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0121771**	**.0002209**	**.1258772**	**.0090639**	**-.001232**	**16.28093**	**.1596579**
Stddev	.0016021	.0011674	.0021446	.0024112	.001130	.11575	.0018009
%RSD	13.15694	528.4599	1.703698	26.60231	91.77570	.7109846	1.128008
#1	.0110843	-.001070	.1278204	.0117210	-.000476	16.28642	.1605869
#2	.0140162	.001202	.1262351	.0084558	-.000688	16.16252	.1575821
#3	.0114308	.000531	.1235763	.0070150	-.002531	16.39384	.1608046

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010160**	**.0008444**	**16.39994**	**.0350828**	**.0175352**	**.0396090**	**44.50495**
Stddev	.0000157	.0000598	.11805	.0004270	.0001716	.0017670	.38020
%RSD	1.545128	7.080516	.7197919	1.217219	.9785460	4.461191	.8542937
#1	.0010338	.0007975	16.42644	.0354766	.0177101	.0382212	44.54998
#2	.0010096	.0009117	16.27090	.0346289	.0173671	.0390075	44.10424
#3	.0010044	.0008239	16.50248	.0351431	.0175284	.0415983	44.86064

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.000625**	**9.551806**	**.0416681**	**-.004611**	**.0919493**	**.0361049**	**.1910094**
Stddev	.008370	.046700	.0004572	.000305	.1452964	.0006752	.0002813
%RSD	.8364544	.4889162	1.097234	6.614052	158.0179	1.870036	.1472783
#1	1.002053	9.527271	.0419891	-.004640	.0792392	.0365485	.1907672
#2	.991633	9.522486	.0418706	-.004900	.2431832	.0353279	.1909432
#3	1.008188	9.605660	.0411446	-.004292	-.046574	.0364384	.1913180

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.423146**	**1.861599**	**.1851043**	**.0002925**	**.2005941**	**1.373674**	**.0027129**
Stddev	.040381	.011443	.0017725	.0001494	.0054032	.006037	.0002054
%RSD	1.666452	.6146620	.9575392	51.07784	2.693617	.4394532	7.569582
#1	2.441975	1.855533	.1851783	.0004289	.1943911	1.375116	.0026431
#2	2.450673	1.854466	.1832960	.0003158	.2031156	1.367047	.0029441
#3	2.376790	1.874797	.1868385	.0001328	.2042757	1.378859	.0025516

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-14LX5 Acquired: 1/12/2025 5:44:08 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN81L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2687768	.0294945	.0300456
Stddev	.0016413	.0002910	.0003164
%RSD	.6106542	.9864619	1.053125
#1	.2696917	.0291622	.0300434
#2	.2697566	.0297034	.0297303
#3	.2668819	.0296179	.0303631

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2646.463	62805.56	8602.502	2940.059	3440.203
Stddev	4.840	195.08	46.596	5.890	1.885
%RSD	.1828690	.3106153	.5416581	.2003193	.0547818
#1	2642.607	62668.72	8567.369	2933.408	3440.210
#2	2644.887	63028.95	8584.778	2942.155	3442.085
#3	2651.894	62719.02	8655.360	2944.614	3438.315

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-16 Acquired: 1/12/2025 5:48:09 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN81S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1134935	.1008979	.6460685	.1681937	.1318135	69.85765	3.609535
Stddev	.0017267	.0023444	.0020849	.0018942	.0021677	.23374	.019902
%RSD	1.521412	2.323569	.3227105	1.126200	1.644494	.3345988	.5513769
#1	.1122207	.0997662	.6478627	.1690571	.1306394	69.68973	3.596401
#2	.1154590	.0993340	.6437812	.1695024	.1304861	69.75862	3.599770
#3	.1128007	.1035935	.6465615	.1660217	.1343149	70.12461	3.632433

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0855791	.1070469	65.72185	.4845901	1.105119	.5368544	178.1495
Stddev	.0003937	.0004159	.29889	.0008582	.002125	.0023748	.7454
%RSD	.4600900	.3885515	.4547858	.1771012	.1922493	.4423493	.4183998
#1	.0857126	.1068297	65.49579	.4836707	1.103849	.5387112	177.5680
#2	.0858888	.1067845	65.60903	.4853700	1.103935	.5376734	177.8909
#3	.0851360	.1075264	66.06074	.4847295	1.107571	.5341785	178.9898

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.658298	38.24682	1.223602	.0429165	.5186184	.9371156	1.662737
Stddev	.021143	.15297	.002207	.0003134	.1302126	.0019711	.003553
%RSD	.4538729	.3999423	.1803590	.7302175	25.10759	.2103397	.2136591
#1	4.641266	38.12020	1.224760	.0427332	.5695495	.9385185	1.658636
#2	4.651668	38.20348	1.221057	.0432784	.3706382	.9379663	1.664853
#3	4.681962	38.41678	1.224989	.0427381	.6156674	.9348620	1.664723

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.108865	9.160942	.7547281	.0011095	.9679377	7.432839	.0195817
Stddev	.047770	.048286	.0024843	.0005085	.0073120	.013842	.0007008
%RSD	.5244375	.5270901	.3291595	45.82963	.7554202	.1862267	3.578903
#1	9.054060	9.127461	.7527742	.0016785	.9626496	7.447695	.0198913
#2	9.130854	9.139072	.7538862	.0006999	.9648816	7.430518	.0187795
#3	9.141680	9.216294	.7575239	.0009499	.9762820	7.420304	.0200745

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-16 Acquired: 1/12/2025 5:48:09 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN81S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.059736	.1163775	.1265012
Stddev	.000385	.0004188	.0005081
%RSD	.0363636	.3598601	.4016548
#1	1.059489	.1161476	.1261018
#2	1.060180	.1161240	.1263287
#3	1.059540	.1168609	.1270731

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3138.260	73625.15	10489.46	3451.161	3257.580
Stddev	3.600	201.19	25.29	10.116	6.134
%RSD	.1147102	.2732604	.2410692	.2931325	.1883051
#1	3139.086	73730.02	10469.92	3459.805	3258.441
#2	3141.376	73752.23	10480.44	3453.642	3263.238
#3	3134.319	73393.19	10518.02	3440.034	3251.060

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-17 Acquired: 1/12/2025 5:52:02 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN96 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0607386	-.002620	1.117761	.0173172	.0329787	33.17299	.5368013
Stddev	.0007461	.000304	.002705	.0019869	.0032583	.13476	.0040672
%RSD	1.228409	11.59245	.2419871	11.47343	9.879923	.4062456	.7576771
#1	.0599385	-.002326	1.116165	.0151878	.0303814	33.03164	.5324598
#2	.0608619	-.002932	1.120884	.0191214	.0366347	33.30003	.5405231
#3	.0614154	-.002600	1.116234	.0176426	.0319202	33.18730	.5374211

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028039	.0075153	270.6732	.1073282	.0467764	.4173455	98.20938
Stddev	.0001418	.0001309	1.7520	.0004676	.0002676	.0022559	.46709
%RSD	5.057670	1.741076	.6472886	.4356262	.5721385	.5405321	.4756100
#1	.0027895	.0075094	268.7724	.1067956	.0465660	.4199205	97.73935
#2	.0026699	.0073875	272.2235	.1076711	.0466856	.4163988	98.67348
#3	.0029524	.0076490	271.0237	.1075177	.0470776	.4157173	98.21531

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.409694	76.82811	.1594248	-.008794	.6744086	.0900643	1.568659
Stddev	.042759	.41473	.0007682	.000232	.1455260	.0006806	.005686
%RSD	.9696622	.5398094	.4818371	2.643505	21.57832	.7556616	.3624962
#1	4.364789	76.37964	.1585403	-.008901	.6599760	.0894175	1.562153
#2	4.449923	77.19779	.1599247	-.008953	.8266132	.0907742	1.571147
#3	4.414369	76.90689	.1598094	-.008527	.5366367	.0900011	1.572678

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.118415	8.239795	.4634803	.0061760	6.080119	3.802584	.0547884
Stddev	.104899	.002202	.0018824	.0003464	.006198	.002375	.0005380
%RSD	1.292115	.0267225	.4061459	5.608429	.1019335	.0624507	.9820326
#1	7.997778	8.242337	.4615613	.0062597	6.073179	3.805267	.0549429
#2	8.188162	8.238476	.4653238	.0057955	6.085101	3.801733	.0541900
#3	8.169306	8.238572	.4635559	.0064729	6.082078	3.800751	.0552323

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-17 Acquired: 1/12/2025 5:52:02 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN96 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5617802	.0556940	.2907255
Stddev	.0016723	.0005321	.0007373
%RSD	.2976804	.9553649	.2536094
#1	.5628404	.0551771	.2900329
#2	.5626478	.0556648	.2915006
#3	.5598524	.0562400	.2906431

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2594.368	60942.38	8926.097	2840.338	3118.129
Stddev	5.294	174.67	38.751	13.207	3.021
%RSD	.2040600	.2866212	.4341284	.4649903	.0968755
#1	2590.918	61107.60	8881.442	2855.431	3121.272
#2	2600.463	60759.58	8945.962	2834.686	3117.870
#3	2591.722	60959.95	8950.888	2830.898	3115.247

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-18 Acquired: 1/12/2025 5:55:59 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN97 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0862404**	**-.005818**	**1.300610**	**.0236782**	**.0274647**	**47.26067**	**.6658393**
Stddev	.0028028	.002017	.002348	.0005924	.0020391	.02888	.0025259
%RSD	3.249998	34.66942	.1805681	2.501881	7.424486	.0611025	.3793478
#1	.0832834	-.005240	1.298516	.0241107	.0262181	47.28457	.6682163
#2	.0888582	-.008061	1.300163	.0230030	.0263581	47.26885	.6631871
#3	.0865796	-.004153	1.303149	.0239210	.0298179	47.22858	.6661144

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0038011**	**.0097050**	**422.8099**	**.1367300**	**.0644368**	**.5328910**	**145.6706**
Stddev	.0000654	.0000438	.6487	.0004866	.0001451	.0023332	.0860
%RSD	1.720530	.4515087	.1534189	.3559034	.2252126	.4378283	.0590215
#1	.0038032	.0096576	422.9615	.1362821	.0644677	.5334334	145.5713
#2	.0038655	.0097440	422.0989	.1366602	.0642787	.5303344	145.7208
#3	.0037347	.0097132	423.3694	.1372478	.0645639	.5349052	145.7197

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.243640**	**86.45027**	**.2102556**	**-.012387**	**1.043877**	**.1237329**	**1.725764**
Stddev	.012860	.14116	.0002569	.000291	.133082	.0032981	.008517
%RSD	.2059738	.1632808	.1222064	2.351824	12.74878	2.665520	.4935301
#1	6.258325	86.29528	.2100136	-.012093	1.156782	.1222224	1.724026
#2	6.238211	86.57146	.2102278	-.012675	.897147	.1214605	1.718250
#3	6.234385	86.48408	.2105253	-.012392	1.077702	.1275157	1.735016

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.386670**	**8.175061**	**.6635094**	**.0059708**	**4.824213**	**6.401447**	**.1013139**
Stddev	.057800	.007563	.0002763	.0002123	.007473	.037865	.0001772
%RSD	.6157647	.0925178	.0416468	3.555938	.1549138	.5915027	.1749044
#1	9.378586	8.169679	.6632765	.0062065	4.816686	6.442165	.1012437
#2	9.333338	8.171796	.6634370	.0057946	4.824319	6.367294	.1011825
#3	9.448087	8.183708	.6638148	.0059112	4.831632	6.394882	.1015154

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-18 Acquired: 1/12/2025 5:55:59 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN97 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.7179593	.0863692	.6282612
Stddev	.0009268	.0002414	.0014651
%RSD	.1290905	.2794764	.2332021
#1	.7185313	.0865409	.6265732
#2	.7168900	.0864736	.6290067
#3	.7184567	.0860932	.6292035

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2666.194	62225.30	9415.191	2904.929	3050.093
Stddev	2.189	96.80	21.416	6.916	4.121
%RSD	.0821152	.1555616	.2274632	.2380689	.1351152
#1	2667.369	62319.31	9425.954	2908.595	3051.310
#2	2667.545	62125.93	9429.091	2909.239	3053.468
#3	2663.668	62230.64	9390.528	2896.952	3045.500

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-19 Acquired: 1/12/2025 6:00:01 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN98 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0859382**	**-.002955**	**.6162799**	**.0197205**	**.0034959**	**43.93038**	**.6398070**
Stddev	.0027043	.002381	.0021214	.0037212	.0024096	.19429	.0041259
%RSD	3.146859	80.56094	.3442243	18.86967	68.92449	.4422694	.6448610
#1	.0888202	-.002531	.6141336	.0174303	.0060820	43.71926	.6352120
#2	.0855383	-.005520	.6163306	.0240142	.0030919	43.97023	.6431940
#3	.0834560	-.000815	.6183754	.0177171	.0013140	44.10166	.6410151

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045708**	**.0054383**	**488.2660**	**.0903106**	**.0596747**	**.3470533**	**135.8028**
Stddev	.0000207	.0001293	5.3424	.0002043	.0003330	.0020238	.5558
%RSD	.4535460	2.376591	1.094160	.2262080	.5580950	.5831361	.4092375
#1	.0045470	.0055555	483.5173	.0904179	.0595262	.3458508	135.2491
#2	.0045850	.0052997	487.2304	.0904388	.0594417	.3459193	135.7988
#3	.0045804	.0054597	494.0504	.0900750	.0600561	.3493898	136.3606

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.608300**	**61.23507**	**.1599148**	**-.012856**	**1.018553**	**.1086321**	**1.156462**
Stddev	.010906	.34546	.0010622	.000129	.222176	.0037240	.000888
%RSD	.3022406	.5641611	.6641970	1.000336	21.81292	3.428070	.0768110
#1	3.596261	60.96995	.1592928	-.012763	1.236270	.1057321	1.156243
#2	3.617519	61.10951	.1593104	-.012803	.792171	.1128317	1.155704
#3	3.611119	61.62576	.1611412	-.013003	1.027218	.1073323	1.157440

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.712862**	**4.325298**	**.6140071**	**.0055589**	**4.839664**	**5.031670**	**.0454254**
Stddev	.078659	.007259	.0025662	.0003341	.001103	.003773	.0001185
%RSD	1.171761	.1678161	.4179395	6.009472	.0227878	.0749802	.2609012
#1	6.626099	4.316996	.6117772	.0051993	4.839410	5.034388	.0453017
#2	6.779509	4.328454	.6134321	.0058595	4.838711	5.033260	.0455380
#3	6.732978	4.330445	.6168120	.0056180	4.840873	5.027363	.0454366

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-19 Acquired: 1/12/2025 6:00:01 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN98 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.426676	.0741534	1.048763
Stddev	.001521	.0016248	.005940
%RSD	.1066288	2.191119	.5664144
#1	1.428433	.0755094	1.042434
#2	1.425819	.0723525	1.049635
#3	1.425778	.0745983	1.054218

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2585.599	61138.91	9202.790	2849.225	2991.237
Stddev	1.803	209.39	35.842	12.240	4.136
%RSD	.0697219	.3424795	.3894680	.4295793	.1382640
#1	2584.884	61241.33	9161.891	2846.766	2995.844
#2	2584.264	61277.37	9228.727	2862.507	2987.843
#3	2587.650	60898.02	9217.752	2838.401	2990.025

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-20 Acquired: 1/12/2025 6:04:05 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN99 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1107916	-.005717	.7347902	.0299515	.0024404	52.83061	1.040965
Stddev	.0005818	.001039	.0015907	.0042871	.0015139	.26038	.006490
%RSD	.5251307	18.17787	.2164814	14.31337	62.03522	.4928576	.6234151
#1	.1112920	-.006911	.7362511	.0348557	.0037159	53.08575	1.046174
#2	.1101532	-.005011	.7330956	.0280828	.0007674	52.84081	1.043026
#3	.1109295	-.005230	.7350238	.0269160	.0028379	52.56529	1.033695

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0045281	.0080435	168.5621	.0953548	.0872312	.2905090	156.6180
Stddev	.0000890	.0000085	.7367	.0004614	.0003102	.0057575	.7516
%RSD	1.965494	.1056962	.4370492	.4839099	.3556019	1.981859	.4799126
#1	.0045997	.0080445	169.2385	.0956703	.0869929	.2968807	157.3603
#2	.0045562	.0080515	168.6706	.0948252	.0875820	.2889663	156.6364
#3	.0044284	.0080346	167.7772	.0955688	.0871189	.2856801	155.8574

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.56298	40.10264	.1489946	-.013047	.7101855	.1372356	.7456220
Stddev	.04956	.08177	.0004973	.000142	.0591954	.0030284	.0030754
%RSD	.4286149	.2039114	.3337778	1.087704	8.335196	2.206695	.4124670
#1	11.60509	40.16094	.1486204	-.012934	.6985906	.1386800	.7486989
#2	11.57549	40.13782	.1495589	-.013206	.7743205	.1392715	.7456192
#3	11.50836	40.00917	.1488044	-.013000	.6576456	.1337555	.7425480

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.485042	5.801305	.6589954	.0075187	2.879718	2.612595	.0471548
Stddev	.058799	.009836	.0031356	.0003763	.002148	.029904	.0007977
%RSD	.9066791	.1695507	.4758083	5.004781	.0745776	1.144622	1.691705
#1	6.550317	5.812214	.6625140	.0072028	2.879330	2.632501	.0464367
#2	6.468582	5.798588	.6579752	.0079350	2.882034	2.627077	.0470144
#3	6.436228	5.793113	.6564970	.0074182	2.877792	2.578206	.0480134

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-20 Acquired: 1/12/2025 6:04:05 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN99 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6302334	.0780552	.2334332
Stddev	.0091204	.0012518	.0013156
%RSD	1.447144	1.603770	.5635704
#1	.6349011	.0778647	.2347998
#2	.6360751	.0793913	.2333245
#3	.6197239	.0769095	.2321754

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2957.075	71354.56	10364.75	3309.208	3186.687
Stddev	3.354	137.33	101.86	2.794	.664
%RSD	.1134116	.1924615	.9827269	.0844371	.0208500
#1	2955.945	71198.66	10318.67	3311.813	3186.830
#2	2960.848	71407.42	10294.08	3306.257	3187.268
#3	2954.433	71457.60	10481.51	3309.553	3185.963

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-21 Acquired: 1/12/2025 6:08:02 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNA0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1135551**	**-.010259**	**.6441491**	**.0330409**	**-.002182**	**56.01576**	**.8335522**
Stddev	.0022795	.001692	.0024024	.0030783	.000226	.36918	.0073718
%RSD	2.007385	16.48911	.3729503	9.316625	10.36126	.6590603	.8843811
#1	.1126887	-.012201	.6466390	.0335893	-.002108	55.59515	.8251675
#2	.1118359	-.009477	.6418450	.0358082	-.002003	56.28613	.8364739
#3	.1161408	-.009100	.6439632	.0297253	-.002436	56.16600	.8390154

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0053505**	**.0104740**	**126.2323**	**.0900093**	**.1105047**	**.2467874**	**174.8903**
Stddev	.0001295	.0001011	.8061	.0005542	.0005634	.0009603	1.0287
%RSD	2.420457	.9649280	.6386049	.6156770	.5098000	.3891187	.5881722
#1	.0054102	.0105904	125.3067	.0901066	.1111552	.2464842	173.7136
#2	.0052019	.0104238	126.7806	.0894129	.1101788	.2478628	175.6188
#3	.0054394	.0104080	126.6095	.0905084	.1101801	.2460154	175.3384

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.44827**	**28.26823**	**.1450167**	**-.014350**	**.8456082**	**.1355929**	**.7715787**
Stddev	.09686	.10078	.0004801	.000346	.1376225	.0011690	.0013957
%RSD	.6269709	.3565100	.3310871	2.407807	16.27497	.8621728	.1808865
#1	15.34085	28.15873	.1455626	-.014410	.7228569	.1366614	.7731192
#2	15.47504	28.35709	.1446602	-.014661	.9943855	.1343442	.7712183
#3	15.52893	28.28887	.1448271	-.013978	.8195823	.1357730	.7703985

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.415739**	**8.464244**	**.7308865**	**.0062173**	**2.482900**	**4.455384**	**.0328141**
Stddev	.058962	.015160	.0069079	.0002208	.009258	.028670	.0009610
%RSD	1.088710	.1791116	.9451449	3.552067	.3728532	.6434939	2.928772
#1	5.349292	8.480932	.7229459	.0060130	2.492830	4.442301	.0331953
#2	5.461809	8.460479	.7355125	.0061873	2.474508	4.435590	.0317210
#3	5.436118	8.451321	.7342010	.0064516	2.481361	4.488262	.0335261

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-21 Acquired: 1/12/2025 6:08:02 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNA0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5538418	.0577874	.1903597
Stddev	.0029468	.0009916	.0014822
%RSD	.5320608	1.715984	.7786394
#1	.5528757	.0568556	.1887829
#2	.5514994	.0576772	.1917245
#3	.5571504	.0588296	.1905718

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3189.066	76086.62	10842.82	3518.586	3177.696
Stddev	5.418	202.92	75.40	2.973	5.056
%RSD	.1699031	.2666945	.6953852	.0844985	.1591227
#1	3191.901	76258.20	10779.63	3518.147	3173.663
#2	3182.818	76139.04	10926.28	3521.754	3176.057
#3	3192.478	75862.64	10822.54	3515.856	3183.369

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-22 Acquired: 1/12/2025 6:11:59 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNC2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0797301	-.002504	3.658696	.0359461	.0071142	39.14588
Stddev	.0006969	.001047	.006234	.0016898	.0028425	.16230
%RSD	.8740360	41.83008	.1703817	4.700944	39.95565	.4146057
#1	.0805343	-.001484	3.651951	.0372984	.0041511	39.19703
#2	.0793034	-.003577	3.659892	.0340518	.0073729	39.27645
#3	.0793527	-.002451	3.664245	.0364881	.0098185	38.96417

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9713873	.0032341	.0114218	196.0807	.1283871	.0622461
Stddev	.0072326	.0001136	.0000708	.7893	.0003420	.0006661
%RSD	.7445686	3.513941	.6195781	.4025165	.2664172	1.070143
#1	.9766438	.0032657	.0113586	196.5700	.1285876	.0629788
#2	.9743793	.0033286	.0114085	196.5019	.1279921	.0616770
#3	.9631387	.0031080	.0114982	195.1702	.1285815	.0620825

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5980845	167.5276	4.310043	52.98343	.1989503	-.013528
Stddev	.0048965	.4374	.026180	.06920	.0008501	.000247
%RSD	.8186922	.2610815	.6074241	.1306034	.4273082	1.823267
#1	.5924342	167.7988	4.330941	53.02979	.1984157	-.013342
#2	.6010862	167.7611	4.318511	53.01661	.1985045	-.013434
#3	.6007331	167.0231	4.280677	52.90389	.1999306	-.013808

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6112817	.1177149	5.258543	6.931846	F 13.11080	.7363557
Stddev	.0764333	.0025185	.007852	.049743	.05219	.0020142
%RSD	12.50378	2.139469	.1493195	.7175968	.3980392	.2735324
#1	.6882483	.1166664	5.256226	6.950296	13.05254	.7369304
#2	.6102038	.1158900	5.252111	6.969727	13.12660	.7380200
#3	.5353930	.1205882	5.267293	6.875514	13.15326	.7341166

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-22 Acquired: 1/12/2025 6:11:59 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNC2 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065538	7.071884	7.863780	.6541358	.7053510	.0678606
Stddev	.0000477	.041844	.028774	.0017986	.0032197	.0006933
%RSD	.7274762	.5916977	.3659115	.2749605	.4564719	1.021594
#1	.0066052	7.026283	7.879438	.6527227	.7025445	.0677618
#2	.0065451	7.080849	7.881331	.6535244	.7088660	.0685979
#3	.0065110	7.108518	7.830572	.6561605	.7046426	.0672220

Elem	Sr4077
Units	ppm
Avg	.3715313
Stddev	.0008310
%RSD	.2236641
#1	.3718482
#2	.3721573
#3	.3705885

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2653.341	64510.28	9048.495	2948.606	3211.603
Stddev	7.048	83.41	24.301	4.944	8.024
%RSD	.2656340	.1292924	.2685594	.1676862	.2498592
#1	2654.125	64414.91	9073.246	2946.482	3216.353
#2	2659.965	64546.35	9047.568	2954.258	3216.119
#3	2645.934	64569.58	9024.671	2945.079	3202.339

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-01 Acquired: 1/12/2025 6:15:52 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN68 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0427157	-.001216	.3054178	.0225192	.0004136	56.94597
Stddev	.0004362	.003300	.0025682	.0021618	.0009479	.41220
%RSD	1.021203	271.4520	.8408966	9.599881	229.1651	.7238452
#1	.0432183	.001922	.3027257	.0203485	.0000865	56.60437
#2	.0424353	-.004656	.3056868	.0225369	.0014818	57.40381
#3	.0424935	-.000913	.3078410	.0246720	-.000327	56.82973

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6531618	.0029717	.0042326	33.30112	.1093819	.0514587
Stddev	.0070178	.0001078	.0000201	.23788	.0003643	.0002508
%RSD	1.074431	3.626890	.4739549	.7143413	.3330880	.4873699
#1	.6475431	.0030961	.0042110	33.09687	.1094546	.0515170
#2	.6610280	.0029135	.0042361	33.56231	.1097044	.0511839
#3	.6509144	.0029056	.0042507	33.24418	.1089867	.0516752

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1366706	107.7175	3.607638	16.94882	.1384997	-.009567
Stddev	.0006371	.7546	.027699	.10004	.0004984	.000389
%RSD	.4661416	.7004943	.7677883	.5902482	.3598525	4.066961
#1	.1359484	107.1619	3.585085	16.90061	.1379716	-.009865
#2	.1369108	108.5766	3.638556	17.06384	.1389618	-.009127
#3	.1371527	107.4141	3.599274	16.88201	.1385656	-.009710

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2536527	.1223123	.4967156	5.620333	8.075321	.4570131
Stddev	.2100959	.0021103	.0016526	.075953	.028669	.0036748
%RSD	82.82816	1.725360	.3327086	1.351401	.3550173	.8040848
#1	.4811026	.1241583	.4977341	5.541929	8.044340	.4550416
#2	.0668511	.1200117	.4976039	5.693572	8.080711	.4612529
#3	.2130046	.1227668	.4948088	5.625496	8.100912	.4547448

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-01 Acquired: 1/12/2025 6:15:52 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN68 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054254	2.849076	F 18.28618	.0156866	.9377241	.0598546
Stddev	.0001626	.016870	.07122	.0009717	.0022774	.0002451
%RSD	2.997145	.5921222	.3894543	6.194135	.2428662	.4094114
#1	.0052519	2.830846	18.34517	.0166253	.9403403	.0599514
#2	.0055743	2.852247	18.20707	.0146851	.9361855	.0600364
#3	.0054501	2.864136	18.30631	.0157495	.9366465	.0595759

Elem	Sr4077
Units	ppm
Avg	.0739371
Stddev	.0005787
%RSD	.7826206
#1	.0735112
#2	.0745959
#3	.0737043

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2759.033	66455.68	9342.200	3078.813	3390.255
Stddev	4.163	165.14	79.676	19.689	7.475
%RSD	.1508865	.2484916	.8528590	.6394977	.2204866
#1	2761.748	66485.88	9262.592	3094.127	3396.888
#2	2761.111	66277.54	9421.944	3056.604	3391.721
#3	2754.240	66603.64	9342.065	3085.708	3382.155

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-02 Acquired: 1/12/2025 6:19:49 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN69 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0564200**	**-.000895**	**.3471100**	**.0335989**	**-.002876**	**74.10778**
Stddev	.0018950	.000317	.0004733	.0031218	.001542	.25590
%RSD	3.358797	35.43639	.1363625	9.291222	53.62046	.3453026
#1	.0543184	-.001096	.3469993	.0319012	-.004245	74.05076
#2	.0569429	-.000529	.3476289	.0316939	-.001205	73.88520
#3	.0579986	-.001058	.3467018	.0372016	-.003177	74.38737

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8251341**	**.0038052**	**.0055172**	**47.12315**	**.1480668**	**.0665174**
Stddev	.0012053	.0001020	.0000715	.14412	.0004584	.0004940
%RSD	.1460695	2.680639	1.296697	.3058276	.3096140	.7426764
#1	.8250051	.0038432	.0054646	47.15756	.1481515	.0663191
#2	.8239986	.0038828	.0055987	46.96494	.1475719	.0661533
#3	.8263987	.0036897	.0054884	47.24695	.1484770	.0670797

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1618605**	**155.1081**	**5.292258**	**26.28943**	**.1795689**	**-.013341**
Stddev	.0008814	.6636	.011005	.07829	.0003343	.000252
%RSD	.5445354	.4278479	.2079480	.2978086	.1861626	1.888595
#1	.1609343	155.0096	5.291691	26.25484	.1793858	-.013066
#2	.1619584	154.4993	5.281548	26.23439	.1793662	-.013560
#3	.1626889	155.8155	5.303536	26.37906	.1799548	-.013398

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2862364**	**.1751232**	**.5910537**	**5.136026**	**9.855044**	**.6536858**
Stddev	.1240895	.0015654	.0022224	.029329	.013422	.0028824
%RSD	43.35210	.8938651	.3759986	.5710485	.1361959	.4409379
#1	.4042409	.1765159	.5909196	5.135572	9.839853	.6523106
#2	.2976216	.1734290	.5933400	5.165579	9.859979	.6517486
#3	.1568467	.1754247	.5889014	5.106926	9.865300	.6569982

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-02 Acquired: 1/12/2025 6:19:49 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN69 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054853	2.845557	F 19.60156	.0172256	1.077251	.0806625
Stddev	.0004295	.005621	.06030	.0011021	.003098	.0000644
%RSD	7.830805	.1975375	.3076392	6.398159	.2875886	.0797941
#1	.0057262	2.839344	19.66882	.0159649	1.079664	.0806487
#2	.0049893	2.850289	19.58354	.0180063	1.078332	.0807327
#3	.0057403	2.847037	19.55232	.0177057	1.073758	.0806062

Elem	Sr4077
Units	ppm
Avg	.0917661
Stddev	.0003433
%RSD	.3740544
#1	.0917181
#2	.0914494
#3	.0921308

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2840.888	65616.94	9434.501	3087.831	3405.219
Stddev	4.135	204.03	39.927	6.280	1.799
%RSD	.1455434	.3109426	.4232035	.2033807	.0528358
#1	2836.240	65441.81	9390.304	3089.449	3404.541
#2	2844.158	65840.98	9445.235	3080.901	3403.857
#3	2842.264	65568.02	9467.964	3093.144	3407.258

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-03 Acquired: 1/12/2025 6:23:45 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN70 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0510138	-.001079	.2994038	.0238426	-.002308	69.66189
Stddev	.0016424	.000986	.0017210	.0023825	.000752	.18149
%RSD	3.219463	91.37659	.5748171	9.992688	32.56152	.2605298
#1	.0509412	-.000863	.2978031	.0220577	-.001713	69.86894
#2	.0494089	-.002155	.3012241	.0265480	-.002060	69.58644
#3	.0526913	-.000219	.2991842	.0229220	-.003153	69.53030

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5945931	.0034444	.0048331	32.72079	.1282289	.0617833
Stddev	.0004155	.0000957	.0000476	.08731	.0004019	.0003208
%RSD	.0698885	2.777111	.9855735	.2668401	.3134488	.5192935
#1	.5949879	.0033512	.0048881	32.80799	.1278659	.0618962
#2	.5941595	.0034398	.0048064	32.63336	.1286608	.0614212
#3	.5946318	.0035423	.0048048	32.72103	.1281601	.0620324

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1385746	133.1322	4.345882	20.10175	.1660569	-.012273
Stddev	.0026845	.2171	.008899	.06903	.0001416	.000256
%RSD	1.937198	.1631034	.2047725	.3434062	.0852843	2.088259
#1	.1387623	133.3830	4.344754	20.17162	.1660278	-.012482
#2	.1358012	133.0070	4.337600	20.03359	.1662108	-.011987
#3	.1411602	133.0068	4.355291	20.10004	.1659321	-.012351

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4089150	.1570876	.5205876	3.812714	7.334572	.5535365
Stddev	.3912505	.0022863	.0034119	.054786	.009333	.0007925
%RSD	95.68015	1.455395	.6553969	1.436935	.1272512	.1431761
#1	.5716753	.1595157	.5187452	3.873187	7.343300	.5544417
#2	-.037443	.1549763	.5184931	3.766391	7.324733	.5532003
#3	.692513	.1567709	.5245247	3.798563	7.335684	.5529675

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-03 Acquired: 1/12/2025 6:23:45 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN70 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050987	1.635617	F 19.07842	.0158756	1.065193	.0684422
Stddev	.0005966	.008427	.10945	.0003665	.003562	.0002383
%RSD	11.70057	.5151891	.5736788	2.308405	.3344346	.3481486
#1	.0047860	1.627149	19.00870	.0162657	1.064127	.0686920
#2	.0047234	1.635700	19.02198	.0155385	1.062285	.0684173
#3	.0057866	1.644002	19.20456	.0158225	1.069166	.0682174

Elem	Sr4077
Units	ppm
Avg	.0738116
Stddev	.0003177
%RSD	.4303623
#1	.0741117
#2	.0738442
#3	.0734789

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2768.274	66090.24	9225.723	3088.120	3405.235
Stddev	8.070	86.70	31.004	11.080	6.760
%RSD	.2915298	.1311805	.3360606	.3587839	.1985250
#1	2771.319	66106.24	9248.280	3093.148	3404.099
#2	2774.379	66167.83	9238.521	3095.795	3412.491
#3	2759.124	65996.66	9190.369	3075.418	3399.115

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV003 Acquired: 1/12/2025 6:36:07 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV003 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.664233**	**4.746254**	**24.09615**	**4.706690**	**4.627015**	**387.2141**
Stddev	.006754	.019564	.01480	.004612	.006766	4.7207
%RSD	.1448074	.4121981	.0614265	.0979854	.1462314	1.219157
#1	4.663768	4.766541	24.10646	4.711243	4.622744	390.2160
#2	4.671207	4.744718	24.07919	4.702021	4.623485	389.6535
#3	4.657723	4.727503	24.10281	4.706805	4.634816	381.7727

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.995560**	**.4936652**	**2.432618**	**389.7278**	**15.26096**	**2.438101**
Stddev	.050044	.0024014	.000543	.8952	.04956	.003801
%RSD	.5006631	.4864410	.0223151	.2297091	.3247220	.1558814
#1	10.04345	.4957974	2.433203	390.7477	15.30104	2.439230
#2	9.94361	.4941343	2.432131	389.0719	15.27629	2.433864
#3	9.99962	.4910639	2.432521	389.3639	15.20556	2.441209

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.66376**	**390.7593**	**14.95177**	**245.0365**	**2.434594**	**1.224693**
Stddev	.04994	1.3650	.04136	.6948	.000913	.002350
%RSD	.3405668	.3493192	.2766245	.2835342	.0375104	.1918963
#1	14.66936	391.1885	14.97047	245.5008	2.435224	1.226461
#2	14.71066	391.8582	14.98048	245.3709	2.433547	1.225592
#3	14.61125	389.2313	14.90436	244.2377	2.435011	1.222026

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**397.7756**	**2.423182**	**15.76756**	**149.5589**	**4.903231**	F **5.874915**
Stddev	1.2919	.005628	.04978	.6309	.002927	.022657
%RSD	.3247824	.2322690	.3157139	.4218374	.0596858	.3856572
#1	398.6447	2.429650	15.82242	149.5755	4.901759	5.895745
#2	398.3911	2.420505	15.75501	150.1813	4.901333	5.878209
#3	396.2910	2.419392	15.72526	148.9198	4.906601	5.850791

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV003 Acquired: 1/12/2025 6:36:07 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV003 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.637677**	**4.870005**	**4.886960**	**4.834336**	**4.886249**	**4.943298**
Stddev	.009273	.007445	.006483	.003137	.016268	.015626
%RSD	.1999388	.1528671	.1326529	.0648914	.3329401	.3160980
#1	4.633277	4.877190	4.881607	4.831104	4.894705	4.946058
#2	4.631424	4.862325	4.894168	4.834537	4.896548	4.957361
#3	4.648331	4.870499	4.885107	4.837369	4.867494	4.926477

Elem	Sr4077
Units	ppm
Avg	**4.932904**
Stddev	.018949
%RSD	.3841251
#1	4.954728
#2	4.920642
#3	4.923342

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2003.574**	**50050.35**	**7688.376**	**2341.438**	**2701.451**
Stddev	1.677	176.93	36.668	3.689	1.893
%RSD	.0836999	.3535100	.4769308	.1575674	.0700873
#1	2003.822	49859.08	7647.625	2338.357	2699.474
#2	2005.113	50083.83	7698.795	2345.526	2703.247
#3	2001.786	50208.16	7718.706	2340.430	2701.633

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB003 Acquired: 1/12/2025 6:40:25 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB003 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000717**	**.0009525**	**.0002994**	**.0004778**	**-.000740**	**.0040661**	**-.000687**
Stddev	.001311	.0001607	.0004680	.0005863	.000824	.0054433	.000162
%RSD	182.8253	16.87039	156.3214	122.7162	111.3639	133.8702	23.55891
#1	.000574	.0010761	.0001964	-.000158	-.001438	.0081570	-.000520
#2	-.002047	.0007708	.0008104	.000998	.000169	.0061532	-.000844
#3	-.000678	.0010105	-.000109	.000593	-.000951	-.002112	-.000696

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000032**	**.0000811**	**.0162734**	**.0006683**	**-.000086**	**-.000252**	**.0171196**
Stddev	.000016	.0000261	.0064704	.0000763	.000371	.000477	.0021712
%RSD	50.70069	32.20584	39.76061	11.41167	432.7047	189.3210	12.68243
#1	-.000035	.0001076	.0136817	.0007427	.000219	-.000687	.0166244
#2	-.000014	.0000806	.0236379	.0005903	-.000499	.000258	.0152389
#3	-.000046	.0000553	.0115006	.0006719	.000023	-.000327	.0194957

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003354**	**.0072125**	**-.000148**	**.0004622**	**.0618160**	**-.003275**	**.0004418**
Stddev	.0004034	.0109734	.000262	.0003227	.2351198	.000917	.0002082
%RSD	120.2550	152.1434	177.3034	69.80919	380.3542	28.00106	47.11051
#1	.0007910	.0144278	.000121	.0003802	-.196986	-.002505	.0003261
#2	.0001916	-.005416	-.000162	.0001885	.120171	-.003031	.0003173
#3	.0000237	.012626	-.000402	.0008180	.262263	-.004289	.0006822

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1882169**	**-.002691**	**.0014684**	**.0002573**	**-.001618**	**.0083757**	**-.000369**
Stddev	.0256271	.001447	.0006772	.0001943	.004042	.0026631	.000499
%RSD	13.61574	53.77024	46.11780	75.53642	249.8052	31.79619	135.0830
#1	.1807507	-.001845	.0019395	.0000344	.000590	.0055321	.000133
#2	.1671520	-.001866	.0017734	.0003462	.000839	.0108114	-.000865
#3	.2167480	-.004362	.0006924	.0003912	-.006283	.0087835	-.000375

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB003 Acquired: 1/12/2025 6:40:25 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB003 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0002902	.0015669	.0000312
Stddev	.0010364	.0015674	.0000498
%RSD	357.0534	100.0323	159.9465
#1	.0003188	.0013219	.0000191
#2	-.000760	.0032423	.0000860
#3	.001312	.0001364	-.000012

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2512.051	58744.32	8036.538	2752.043	3559.967
Stddev	5.357	134.47	15.707	5.707	5.093
%RSD	.2132468	.2288999	.1954437	.2073584	.1430602
#1	2515.798	58619.55	8030.416	2752.704	3565.825
#2	2514.440	58886.74	8024.815	2757.391	3557.484
#3	2505.915	58726.66	8054.385	2746.035	3556.592

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-04 Acquired: 1/12/2025 6:44:35 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN71 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0771513**	**-.002385**	**.5180487**	**.0309834**	**-.003329**	**62.82081**
Stddev	.0038377	.001784	.0044859	.0001560	.001683	.16331
%RSD	4.974239	74.78328	.8659132	.5035453	50.56820	.2599586
#1	.0739738	-.003970	.5215217	.0311121	-.004870	62.98478
#2	.0760651	-.000454	.5196403	.0308099	-.003583	62.81949
#3	.0814150	-.002732	.5129840	.0310282	-.001533	62.65817

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6572323**	**.0035438**	**.0069180**	**116.7967**	**.1301129**	**.0750223**
Stddev	.0020858	.0000609	.0001113	.2860	.0002715	.0008471
%RSD	.3173574	1.717234	1.608912	.2449032	.2086773	1.129109
#1	.6596372	.0036060	.0069917	117.1260	.1298945	.0757150
#2	.6559164	.0035410	.0069722	116.6530	.1300273	.0752741
#3	.6561433	.0034844	.0067899	116.6109	.1304169	.0740779

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2898058**	**170.8839**	**6.158548**	**34.99374**	**.1683963**	**-.016061**
Stddev	.0011388	.4212	.012010	.14667	.0013738	.000118
%RSD	.3929653	.2465033	.1950194	.4191359	.8158307	.7327149
#1	.2892109	171.3584	6.170600	35.15715	.1697711	-.016057
#2	.2911188	170.7389	6.146579	34.95054	.1683945	-.016181
#3	.2890875	170.5542	6.158464	34.87351	.1670234	-.015946

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4337807**	**.1397230**	**.8151235**	**4.759359**	**7.427682**	**.7132736**
Stddev	.3189346	.0007471	.0018450	.039898	.052905	.0006967
%RSD	73.52440	.5347056	.2263458	.8382968	.7122670	.0976781
#1	.5844445	.1392065	.8135766	4.783579	7.472602	.7140780
#2	.6494721	.1393829	.8171655	4.713310	7.441077	.7128602
#3	.0674254	.1405797	.8146282	4.781188	7.369367	.7128826

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-04 Acquired: 1/12/2025 6:44:35 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN71 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053653	1.361231	F 18.64092	.1142138	.9185148	.0771838
Stddev	.0004159	.012544	.05525	.0005541	.0020910	.0011534
%RSD	7.752179	.9215541	.2964141	.4851591	.2276467	1.494394
#1	.0054439	1.375368	18.62555	.1147825	.9164443	.0785155
#2	.0049156	1.356899	18.59497	.1141834	.9184744	.0765315
#3	.0057363	1.351427	18.70223	.1136755	.9206257	.0765043

Elem	Sr4077
Units	ppm
Avg	.1459283
Stddev	.0003381
%RSD	.2316681
#1	.1461414
#2	.1461050
#3	.1455385

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2864.493	69118.55	9691.941	3188.396	3323.135
Stddev	7.881	68.95	36.605	1.268	18.087
%RSD	.2751249	.0997573	.3776857	.0397793	.5442657
#1	2860.896	69057.24	9733.245	3188.825	3312.261
#2	2859.051	69105.22	9679.064	3186.969	3313.131
#3	2873.530	69193.20	9663.515	3189.394	3344.014

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-05 Acquired: 1/12/2025 6:48:32 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN72 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0630580**	**-.002508**	**.4209436**	**.0249488**	**-.001383**	**55.43049**
Stddev	.0029812	.001579	.0015279	.0016875	.002629	.02424
%RSD	4.727622	62.97570	.3629688	6.763883	190.1070	.0437318
#1	.0662116	-.004139	.4205881	.0266536	-.004406	55.40757
#2	.0626764	-.000986	.4196249	.0249136	-.000103	55.45587
#3	.0602861	-.002399	.4226180	.0232792	.000361	55.42803

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6488441**	**.0034510**	**.0059789**	**229.7485**	**.1072676**	**.0731045**
Stddev	.0005357	.0000478	.0001293	.0749	.0002296	.0001792
%RSD	.0825696	1.385281	2.162934	.0326020	.2140254	.2451924
#1	.6483374	.0034293	.0061206	229.6700	.1070026	.0730488
#2	.6494048	.0034179	.0059489	229.7561	.1073944	.0729598
#3	.6487902	.0035058	.0058673	229.8193	.1074059	.0733050

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2649655**	**134.2807**	**6.132835**	**44.71888**	**.1512203**	**-.013439**
Stddev	.0012578	.0834	.006106	.08082	.0002159	.000206
%RSD	.4746830	.0621245	.0995570	.1807371	.1427622	1.533946
#1	.2663592	134.1855	6.139784	44.66110	.1514621	-.013368
#2	.2646224	134.3160	6.128329	44.68429	.1511517	-.013279
#3	.2639149	134.3407	6.130392	44.81124	.1510470	-.013672

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6508810**	**.1260383**	**.6587416**	**5.691419**	**6.431856**	**.5696132**
Stddev	.0592686	.0025555	.0005006	.046076	.014991	.0007436
%RSD	9.105897	2.027528	.0759871	.8095648	.2330736	.1305408
#1	.6530755	.1277304	.6589774	5.737148	6.442577	.5695174
#2	.7090219	.1230987	.6581667	5.645004	6.438264	.5689222
#3	.5905457	.1272859	.6590807	5.692105	6.414726	.5704001

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-05 Acquired: 1/12/2025 6:48:32 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN72 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035095	.9737081	F 17.69328	.0320673	.9146053	.0863668
Stddev	.0001023	.0086763	.07058	.0006014	.0014939	.0009639
%RSD	2.914767	.8910600	.3988927	1.875567	.1633358	1.116034
#1	.0036269	.9737952	17.77393	.0314376	.9142841	.0853256
#2	.0034390	.9649885	17.64286	.0321286	.9132981	.0865470
#3	.0034628	.9823405	17.66303	.0326358	.9162336	.0872279

Elem	Sr4077
Units	ppm
Avg	.2788411
Stddev	.0005427
%RSD	.1946116
#1	.2792608
#2	.2782283
#3	.2790342

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2796.789	68427.09	9784.599	3176.700	3028.189
Stddev	7.029	223.01	25.897	3.197	5.569
%RSD	.2513174	.3259146	.2646679	.1006241	.1838926
#1	2803.203	68680.93	9814.494	3178.521	3030.168
#2	2789.275	68262.67	9769.033	3173.009	3021.901
#3	2797.891	68337.66	9770.271	3178.570	3032.498

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-06 Acquired: 1/12/2025 6:52:30 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN73 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0687025**	**-.004317**	**.7079544**	**.0236890**	**-.002383**	**63.59413**
Stddev	.0020644	.002615	.0025398	.0008138	.000689	.24497
%RSD	3.004802	60.56704	.3587518	3.435407	28.90960	.3852012
#1	.0697273	-.005739	.7056956	.0245497	-.002106	63.48047
#2	.0700540	-.001300	.7074638	.0229320	-.001876	63.42665
#3	.0663263	-.005913	.7107037	.0235852	-.003168	63.87528

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.181276**	**.0040691**	**.0066808**	**251.4082**	**.1128082**	**.0824303**
Stddev	.005593	.0000493	.0000713	.7782	.0005725	.0001753
%RSD	.4735094	1.212301	1.067465	.3095278	.5075020	.2126942
#1	1.177452	.0041254	.0066060	250.8618	.1123198	.0826227
#2	1.178680	.0040481	.0067480	251.0637	.1134382	.0822795
#3	1.187695	.0040337	.0066885	252.2992	.1126666	.0823886

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2892746**	**150.9535**	**8.333252**	**48.25456**	**.1600570**	**-.013813**
Stddev	.0025406	.6020	.029859	.06053	.0002629	.000450
%RSD	.8782770	.3988262	.3583062	.1254311	.1642635	3.259209
#1	.2915989	150.6783	8.304317	48.19243	.1602623	-.013587
#2	.2896626	150.5383	8.331484	48.25791	.1601481	-.014332
#3	.2865623	151.6440	8.363955	48.31334	.1597607	-.013521

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7285322**	**.1393159**	**.7425741**	**6.506536**	**5.846929**	**.6522709**
Stddev	.0997606	.0027527	.0006463	.053977	.013962	.0029285
%RSD	13.69336	1.975850	.0870387	.8295863	.2387878	.4489631
#1	.8176395	.1381411	.7426898	6.564817	5.832795	.6503095
#2	.6207561	.1424611	.7418777	6.458263	5.847278	.6508661
#3	.7472011	.1373456	.7431548	6.496528	5.860712	.6556371

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-06 Acquired: 1/12/2025 6:52:30 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN73 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0048275**	**.9534984**	F **17.70311**	**.0579690**	**1.033752**	**.0953452**
Stddev	.0003224	.0022154	.04570	.0014938	.002544	.0011057
%RSD	6.677900	.2323413	.2581697	2.576883	.2460833	1.159687
#1	.0044601	.9512571	17.70042	.0562891	1.033257	.0942496
#2	.0050630	.9556869	17.65881	.0591478	1.036507	.0964607
#3	.0049594	.9535512	17.75010	.0584702	1.031492	.0953253

Elem	Sr4077
Units	ppm
Avg	**.3204877**
Stddev	.0014304
%RSD	.4463269
#1	.3200265
#2	.3193448
#3	.3220919

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2933.485**	**69635.92**	**10106.57**	**3237.764**	**3127.088**
Stddev	1.161	49.81	48.16	8.594	2.970
%RSD	.0395769	.0715353	.4764933	.2654417	.0949645
#1	2934.416	69595.82	10088.34	3237.671	3130.275
#2	2933.856	69620.25	10070.19	3246.404	3126.588
#3	2932.184	69691.69	10161.18	3229.216	3124.399

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-07 Acquired: 1/12/2025 6:56:26 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN74 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0540699**	**-.004756**	**.2897432**	**.0165061**	**-.001999**	**52.35275**
Stddev	.0038385	.002217	.0025136	.0013774	.002164	.41810
%RSD	7.099074	46.62711	.8675154	8.345071	108.2426	.7986148
#1	.0530315	-.007194	.2869031	.0180899	.000492	52.60627
#2	.0508574	-.002861	.2916811	.0155877	-.003079	51.87018
#3	.0583207	-.004212	.2906455	.0158407	-.003411	52.58181

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5399464**	**.0031613**	**.0056293**	**348.4688**	**.1025632**	**.0717503**
Stddev	.0060103	.0000596	.0001211	1.3071	.0005646	.0002713
%RSD	1.113124	1.884746	2.151922	.3751101	.5504636	.3780868
#1	.5412515	.0032014	.0055515	347.5606	.1029166	.0719758
#2	.5333909	.0031897	.0057689	349.9670	.1019121	.0718258
#3	.5451970	.0030928	.0055676	347.8789	.1028609	.0714492

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2471139**	**133.5324**	**6.309147**	**45.55147**	**.1478293**	**-.013007**
Stddev	.0015506	1.0121	.058720	.30144	.0003553	.000107
%RSD	.6274669	.7579109	.9307198	.6617496	.2403744	.8235185
#1	.2473167	133.9554	6.322812	45.68614	.1482113	-.013078
#2	.2485531	132.3775	6.244799	45.20617	.1477680	-.013058
#3	.2454719	134.2643	6.359830	45.76209	.1475086	-.012884

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6230220**	**.1184647**	**.5500295**	**6.199276**	**5.527864**	**.5710301**
Stddev	.1042572	.0003073	.0041343	.076081	.024641	.0044213
%RSD	16.73411	.2594039	.7516505	1.227256	.4457622	.7742625
#1	.5946922	.1187707	.5507565	6.265777	5.502929	.5730535
#2	.7385162	.1184674	.5455799	6.116311	5.528464	.5659593
#3	.5358576	.1181561	.5537521	6.215740	5.552200	.5740777

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-07 Acquired: 1/12/2025 6:56:26 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN74 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031544	.7312700	F 16.96257	.0129512	.9043963	.0994808
Stddev	.0003075	.0091067	.06626	.0002509	.0040428	.0012827
%RSD	9.748430	1.245333	.3906131	1.936975	.4470160	1.289394
#1	.0028229	.7225798	16.94005	.0126667	.9043486	.1008015
#2	.0032100	.7407428	16.91051	.0131410	.9003776	.0982398
#3	.0034304	.7304873	17.03716	.0130457	.9084628	.0994010

Elem	Sr4077
Units	ppm
Avg	.4013092
Stddev	.0032173
%RSD	.8016992
#1	.4031645
#2	.3975941
#3	.4031688

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2771.944	68875.16	9794.880	3177.758	3011.657
Stddev	3.186	234.25	20.401	13.312	3.283
%RSD	.1149246	.3401128	.2082789	.4189014	.1090066
#1	2775.548	68816.90	9804.075	3175.376	3014.903
#2	2770.779	69133.05	9771.500	3192.100	3008.339
#3	2769.504	68675.54	9809.065	3165.798	3011.730

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-08 Acquired: 1/12/2025 7:00:31 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0931803**	**-.002685**	**4.358910**	**.0327541**	**-.001625**	**55.26881**
Stddev	.0018381	.002236	.004365	.0011744	.001462	.40326
%RSD	1.972664	83.27578	.1001437	3.585447	89.96066	.7296343
#1	.0951116	-.001041	4.363682	.0331607	-.002995	55.73155
#2	.0929770	-.005231	4.357930	.0314305	-.001794	54.99246
#3	.0914523	-.001783	4.355118	.0336712	-.000086	55.08242

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.928328**	**.0041548**	**.0097529**	**60.10163**	**.1632940**	**.0685493**
Stddev	.011970	.0001147	.0001076	.37357	.0007399	.0001635
%RSD	.6207597	2.761419	1.103622	.6215642	.4530808	.2385891
#1	1.942150	.0040225	.0096399	60.51694	.1641130	.0684167
#2	1.921427	.0042263	.0098543	59.79302	.1626741	.0684991
#3	1.921408	.0042156	.0097646	59.99493	.1630949	.0687321

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3657141**	**139.5326**	**6.655849**	**18.00053**	**.1668007**	**-.009256**
Stddev	.0020402	1.0122	.044161	.06036	.0000876	.000251
%RSD	.5578546	.7254105	.6634932	.3353116	.0525381	2.716338
#1	.3667345	140.6624	6.703387	18.06764	.1668790	-.009026
#2	.3670428	138.7085	6.616101	17.95067	.1668170	-.009217
#3	.3633651	139.2270	6.648060	17.98330	.1667060	-.009524

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4267881**	**.1427820**	**5.655445**	**5.776910**	F **12.12173**	**.6064567**
Stddev	.0587472	.0033769	.022810	.059675	.02100	.0063034
%RSD	13.76496	2.365102	.4033223	1.032987	.1732081	1.039388
#1	.4819311	.1407106	5.672510	5.837656	12.09774	.6130792
#2	.4334317	.1409567	5.664287	5.774705	12.13675	.6005301
#3	.3650015	.1466788	5.629538	5.718368	12.13070	.6057609

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-08 Acquired: 1/12/2025 7:00:31 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033143	4.069829	F 18.05764	.2838205	.9273368	.0777503
Stddev	.0001179	.003300	.07435	.0010513	.0030131	.0003297
%RSD	3.557981	.0810928	.4117596	.3704110	.3249231	.4240108
#1	.0033723	4.073603	17.97346	.2837525	.9250638	.0774476
#2	.0031786	4.068395	18.11435	.2849041	.9307546	.0777016
#3	.0033919	4.067488	18.08511	.2828048	.9261921	.0781016

Elem	Sr4077
Units	ppm
Avg	.1816731
Stddev	.0014527
%RSD	.7996428
#1	.1833463
#2	.1807321
#3	.1809410

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2910.736	69279.59	9715.372	3181.760	3385.569
Stddev	1.122	152.89	63.564	9.290	4.874
%RSD	.0385408	.2206877	.6542598	.2919912	.1439784
#1	2911.710	69124.52	9782.193	3175.121	3382.286
#2	2909.509	69284.03	9655.664	3177.783	3383.252
#3	2910.988	69430.21	9708.258	3192.377	3391.170

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-09 Acquired: 1/12/2025 7:04:26 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1003929	-.005067	5.436576	.0287918	.0008713	53.89251
Stddev	.0022668	.002603	.016599	.0012324	.0009443	.19093
%RSD	2.257926	51.36590	.3053272	4.280281	108.3759	.3542839
#1	.1025401	-.007293	5.420489	.0298443	.0010830	53.70600
#2	.1006158	-.005703	5.453644	.0274361	.0016918	53.88396
#3	.0980229	-.002206	5.435595	.0290951	-.000161	54.08758

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.095898	.0044906	.0111308	63.17137	.1701722	.0761254
Stddev	.007850	.0000478	.0000812	.17179	.0005771	.0003474
%RSD	.3745616	1.063538	.7296566	.2719464	.3391062	.4563146
#1	2.087134	.0044896	.0112203	62.99271	.1707029	.0757247
#2	2.102285	.0045389	.0111105	63.18605	.1695579	.0763097
#3	2.098274	.0044434	.0110617	63.33535	.1702557	.0763418

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3677888	137.7326	6.756560	19.44947	.1894222	-.010469
Stddev	.0009390	.5389	.032062	.09850	.0010809	.000238
%RSD	.2553187	.3912770	.4745317	.5064233	.5706012	2.269827
#1	.3674817	137.3276	6.721040	19.36333	.1882294	-.010611
#2	.3688429	137.5259	6.783360	19.42824	.1903367	-.010602
#3	.3670417	138.3442	6.765278	19.55686	.1897006	-.010195

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3527979	.1437763	6.148886	5.363096	F 13.99806	.5926442
Stddev	.2343401	.0016961	.025465	.035231	.02594	.0032035
%RSD	66.42334	1.179707	.4141424	.6569115	.1852892	.5405360
#1	.1383416	.1457076	6.178102	5.401855	13.96954	.5910936
#2	.6029304	.1430925	6.137156	5.333016	14.02024	.5905110
#3	.3171216	.1425288	6.131399	5.354416	14.00439	.5963279

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-09 Acquired: 1/12/2025 7:04:26 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK2 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043671	4.344837	F 17.63576	.2051737	.8405796	.0784117
Stddev	.0000957	.007046	.04681	.0020774	.0031261	.0008209
%RSD	2.191538	.1621640	.2654336	1.012520	.3719031	1.046953
#1	.0042586	4.336719	17.59099	.2028617	.8411067	.0774943
#2	.0044397	4.348428	17.68438	.2057762	.8434087	.0790770
#3	.0044030	4.349364	17.63192	.2068833	.8372235	.0786639

Elem	Sr4077
Units	ppm
Avg	.1886160
Stddev	.0007734
%RSD	.4100208
#1	.1880728
#2	.1882737
#3	.1895014

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2900.797	73488.05	9880.634	3349.863	3240.525
Stddev	1.208	225.82	30.014	6.351	3.471
%RSD	.0416445	.3072924	.3037703	.1895936	.1071277
#1	2901.663	73461.80	9846.317	3344.738	3244.407
#2	2901.312	73725.85	9893.593	3347.884	3237.719
#3	2899.417	73276.50	9901.992	3356.968	3239.449

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-10 Acquired: 1/12/2025 7:08:20 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0983179**	**-.005677**	**5.622915**	**.0331167**	**-.003260**	**59.50756**
Stddev	.0012532	.002642	.006759	.0019582	.003327	.06835
%RSD	1.274634	46.52784	.1202114	5.913083	102.0737	.1148628
#1	.0996642	-.003074	5.625922	.0328989	-.000465	59.53933
#2	.0971853	-.005602	5.615174	.0351747	-.006940	59.55425
#3	.0981042	-.008356	5.627650	.0312765	-.002374	59.42911

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.289963**	**.0046252**	**.0111373**	**110.8584**	**.1515207**	**.0728612**
Stddev	.003379	.0001070	.0001475	.0601	.0003772	.0002863
%RSD	.1475442	2.313638	1.324088	.0542505	.2489246	.3929577
#1	2.286688	.0047209	.0112980	110.7913	.1513362	.0727481
#2	2.293437	.0045097	.0110081	110.9073	.1519546	.0726487
#3	2.289766	.0046449	.0111059	110.8767	.1512713	.0731868

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3739627**	**157.8101**	**6.970432**	**23.24926**	**.1885978**	**-.011729**
Stddev	.0020822	.0704	.003914	.04089	.0004359	.000157
%RSD	.5567824	.0446367	.0561533	.1758597	.2311150	1.335373
#1	.3761081	157.8314	6.966151	23.20231	.1889611	-.011894
#2	.3738296	157.8674	6.971318	23.26841	.1881145	-.011710
#3	.3719502	157.7315	6.973828	23.27706	.1887178	-.011583

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6386849**	**.1507292**	**6.342775**	**5.167867**	F **12.56655**	**.6855214**
Stddev	.0568444	.0032557	.022826	.029211	.03469	.0007423
%RSD	8.900225	2.159941	.3598711	.5652434	.2760764	.1082813
#1	.6914124	.1525128	6.343964	5.200938	12.58185	.6852476
#2	.5784664	.1469715	6.364983	5.157076	12.52684	.6863617
#3	.6461758	.1527033	6.319377	5.145587	12.59097	.6849549

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-10 Acquired: 1/12/2025 7:08:20 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK3 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038055	3.381835	F 18.69566	.4872686	.9042037	.0813114
Stddev	.0001934	.011770	.03176	.0014956	.0028874	.0011206
%RSD	5.081628	.3480458	.1698857	.3069401	.3193260	1.378168
#1	.0036471	3.374457	18.71494	.4866186	.9011466	.0806470
#2	.0037484	3.375639	18.65900	.4862080	.9068845	.0806820
#3	.0040210	3.395409	18.71304	.4889792	.9045798	.0826052

Elem	Sr4077
Units	ppm
Avg	.3105277
Stddev	.0005845
%RSD	.1882122
#1	.3101661
#2	.3112020
#3	.3102151

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2886.961	68150.15	9684.661	3190.397	3292.701
Stddev	3.424	280.41	48.039	10.323	4.656
%RSD	.1186059	.4114595	.4960294	.3235689	.1414060
#1	2889.426	67826.44	9633.492	3178.924	3295.879
#2	2888.406	68305.73	9728.792	3193.334	3294.867
#3	2883.051	68318.28	9691.700	3198.934	3287.356

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-11 Acquired: 1/12/2025 7:12:15 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0806688**	**-.003505**	**2.396267**	**.0340684**	**-.003143**	**68.33942**
Stddev	.0028571	.000861	.007287	.0023137	.001436	.07547
%RSD	3.541807	24.57115	.3040906	6.791307	45.69721	.1104285
#1	.0774749	-.002582	2.401696	.0317974	-.002939	68.34345
#2	.0815498	-.004288	2.387985	.0364226	-.001819	68.41279
#3	.0829816	-.003646	2.399119	.0339852	-.004670	68.26202

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.518186**	**.0050501**	**.0100564**	**91.34813**	**.1363248**	**.0864224**
Stddev	.003410	.0000401	.0000711	.11034	.0001086	.0002874
%RSD	.2246006	.7948216	.7074339	.1207907	.0796583	.3325562
#1	1.520167	.0050662	.0101162	91.27632	.1362942	.0867107
#2	1.520143	.0050798	.0099777	91.47518	.1362348	.0864206
#3	1.514249	.0050045	.0100751	91.29290	.1364454	.0861359

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2705335**	**172.5422**	**7.684343**	**23.21534**	**.1757099**	**-.014644**
Stddev	.0005395	.1362	.007635	.02286	.0008628	.000198
%RSD	.1994275	.0789512	.0993570	.0984860	.4910461	1.354182
#1	.2699432	172.5097	7.691233	23.23567	.1764510	-.014501
#2	.2706559	172.6917	7.685662	23.21977	.1747627	-.014560
#3	.2710012	172.4252	7.676135	23.19059	.1759161	-.014870

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5585182**	**.1662928**	**2.742832**	**5.916237**	**9.262018**	**.7380454**
Stddev	.0522337	.0006609	.003890	.014981	.006546	.0016584
%RSD	9.352193	.3974533	.1418294	.2532180	.0706809	.2247077
#1	.5713054	.1656470	2.738670	5.901810	9.261563	.7373675
#2	.6031708	.1662634	2.743449	5.931716	9.255711	.7399354
#3	.5010782	.1669679	2.746377	5.915183	9.268780	.7368333

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-11 Acquired: 1/12/2025 7:12:15 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0041953	1.920979	F 19.00139	.1215890	.7858130	.0937247
Stddev	.0003083	.004701	.04056	.0014550	.0011929	.0014991
%RSD	7.349345	.2447440	.2134694	1.196668	.1518006	1.599510
#1	.0045443	1.919024	19.02163	.1227495	.7855783	.0942180
#2	.0039600	1.917571	19.02785	.1199566	.7847549	.0949149
#3	.0040816	1.926343	18.95469	.1220608	.7871058	.0920410

Elem	Sr4077
Units	ppm
Avg	.2843622
Stddev	.0001552
%RSD	.0545852
#1	.2841865
#2	.2844807
#3	.2844194

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3147.247	75077.67	10708.08	3521.255	3282.141
Stddev	1.263	114.40	15.74	3.429	.855
%RSD	.0401404	.1523752	.1470247	.0973852	.0260486
#1	3145.813	75190.95	10721.44	3519.453	3281.897
#2	3147.735	74962.18	10690.72	3519.102	3283.091
#3	3148.194	75079.87	10712.07	3525.209	3281.434

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-12 Acquired: 1/12/2025 7:16:13 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK4D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0794149**	**-.004343**	**2.342170**	**.0333538**	**-.003077**	**68.35595**
Stddev	.0035875	.005525	.016666	.0012966	.000286	.36276
%RSD	4.517452	127.2095	.7115767	3.887549	9.285284	.5306968
#1	.0823302	-.010445	2.343910	.0319758	-.002782	67.94303
#2	.0754085	-.002904	2.324701	.0335357	-.003352	68.50139
#3	.0805062	.000320	2.357897	.0345499	-.003097	68.62342

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.506577**	**.0051130**	**.0096077**	**91.07679**	**.1362530**	**.0842571**
Stddev	.008999	.0000152	.0001438	.57014	.0001082	.0002056
%RSD	.5973031	.2969256	1.496831	.6259993	.0794296	.2440406
#1	1.496207	.0051221	.0097684	90.41947	.1363768	.0843342
#2	1.511191	.0051214	.0094911	91.43714	.1362057	.0840241
#3	1.512332	.0050955	.0095637	91.37377	.1361764	.0844130

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2725955**	**172.8934**	**7.665948**	**23.31352**	**.1707305**	**-.014822**
Stddev	.0011903	1.0508	.045648	.14790	.0014521	.000423
%RSD	.4366443	.6077891	.5954632	.6343944	.8505306	2.854503
#1	.2712535	171.7003	7.613254	23.14545	.1717283	-.015039
#2	.2730099	173.2982	7.693387	23.37136	.1690646	-.014335
#3	.2735232	173.6815	7.691204	23.42377	.1713986	-.015093

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5157244**	**.1646353**	**2.757152**	**5.870733**	**8.919408**	**.7413679**
Stddev	.1185361	.0018253	.011545	.035620	.071389	.0067424
%RSD	22.98438	1.108674	.4187340	.6067418	.8003780	.9094600
#1	.5041438	.1628088	2.768345	5.867848	8.940729	.7337283
#2	.6396257	.1646377	2.757827	5.907708	8.839787	.7438886
#3	.4034036	.1664593	2.745284	5.836643	8.977707	.7464869

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-12 Acquired: 1/12/2025 7:16:13 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK4D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0042846	1.846702	F 19.04186	.1184271	.7809934	.0940971
Stddev	.0003415	.013177	.03342	.0018352	.0017584	.0009212
%RSD	7.970668	.7135640	.1754891	1.549661	.2251548	.9790021
#1	.0040224	1.849958	19.08037	.1188204	.7804421	.0935112
#2	.0046708	1.832202	19.02051	.1164271	.7829615	.0951590
#3	.0041605	1.857946	19.02471	.1200337	.7795767	.0936212

Elem	Sr4077
Units	ppm
Avg	.2815178
Stddev	.0016312
%RSD	.5794452
#1	.2796738
#2	.2821074
#3	.2827723

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3192.641	73933.30	10565.00	3487.038	3350.375
Stddev	11.252	132.20	72.12	15.767	18.130
%RSD	.3524363	.1788112	.6826131	.4521498	.5411409
#1	3185.821	73911.58	10489.66	3484.083	3342.814
#2	3205.628	74075.02	10633.39	3472.957	3371.062
#3	3186.474	73813.31	10571.95	3504.073	3337.249

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-11LX5 Acquired: 1/12/2025 7:20:10 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK4L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0182227**	**-.000269**	**.4819770**	**.0073542**	**-.002133**	**15.63697**	**.3356276**
Stddev	.0019728	.001002	.0014301	.0004763	.001090	.40627	.0086415
%RSD	10.82631	371.6915	.2967225	6.476718	51.11856	2.598121	2.574736
#1	.0204918	-.000256	.4834793	.0068062	-.003067	15.89216	.3413796
#2	.0169133	-.001278	.4806320	.0075870	-.002396	15.16848	.3256903
#3	.0172629	.000725	.4818197	.0076693	-.000935	15.85028	.3398130

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012893**	**.0016244**	**21.26395**	**.0325891**	**.0166410**	**.0657995**	**40.82058**
Stddev	.0000966	.0000384	.50005	.0006306	.0002600	.0016138	1.03494
%RSD	7.495655	2.361603	2.351611	1.935008	1.562237	2.452569	2.535337
#1	.0012172	.0016250	21.60146	.0325177	.0167331	.0670443	41.48755
#2	.0012516	.0015857	20.68947	.0319972	.0163475	.0639762	39.62834
#3	.0013991	.0016624	21.50091	.0332523	.0168424	.0663780	41.34586

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.780193**	**5.437010**	**.0341404**	**-.003507**	**.1412479**	**.0398995**	**.6728103**
Stddev	.040631	.134042	.0004035	.000190	.2143006	.0023088	.0132746
%RSD	2.282372	2.465366	1.181791	5.427619	151.7195	5.786499	1.973004
#1	1.802801	5.510582	.0344573	-.003668	.3871012	.0388903	.6766345
#2	1.733287	5.282293	.0336862	-.003297	-.006007	.0425410	.6580434
#3	1.804492	5.518155	.0342777	-.003557	.042649	.0382671	.6837530

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.375395**	**1.804801**	**.1716024**	**.0007874**	**.3668748**	**4.626369**	**.0229576**
Stddev	.067698	.007794	.0050091	.0000125	.0035518	.047011	.0004991
%RSD	4.922094	.4318428	2.919026	1.586090	.9681232	1.016158	2.174014
#1	1.377643	1.808987	.1751222	.0007975	.3641388	4.674813	.0224337
#2	1.306601	1.795808	.1658676	.0007734	.3655970	4.623360	.0230117
#3	1.441941	1.809606	.1738173	.0007912	.3708888	4.580935	.0234275

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-11LX5 Acquired: 1/12/2025 7:20:10 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK4L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1908735	.0201452	.0662069
Stddev	.0028338	.0005602	.0015457
%RSD	1.484644	2.780681	2.334578
#1	.1940762	.0205433	.0672433
#2	.1886912	.0195046	.0644303
#3	.1898531	.0203876	.0669471

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2664.999	63740.81	8682.820	2986.709	3495.412
Stddev	5.803	1434.32	98.721	46.319	9.920
%RSD	.2177657	2.250239	1.136969	1.550852	.2837898
#1	2659.016	62920.98	8571.112	2958.381	3484.452
#2	2670.604	65396.99	8719.006	3040.162	3498.008
#3	2665.379	62904.45	8758.342	2961.584	3503.775

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-13 Acquired: 1/12/2025 7:24:11 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK4S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1337469**	**.0962360**	**2.403118**	**.1619818**	**.1256736**	**70.80611**
Stddev	.0020831	.0013463	.000480	.0013166	.0014534	.33340
%RSD	1.557462	1.398917	.0199654	.8127971	1.156482	.4708641
#1	.1334995	.0972886	2.403651	.1634852	.1258613	70.83706
#2	.1317986	.0967003	2.402721	.1610344	.1241355	71.12295
#3	.1359426	.0947190	2.402981	.1614259	.1270240	70.45831

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.451204**	**.0816252**	**.1062087**	**91.25040**	**.4647865**	**1.058453**
Stddev	.040437	.0005677	.0002584	.35382	.0007362	.001465
%RSD	.9084431	.6955459	.2432795	.3877458	.1583892	.1384397
#1	4.406936	.0817743	.1062879	91.24271	.4651783	1.059268
#2	4.486197	.0809977	.1059201	91.60801	.4652438	1.056761
#3	4.460480	.0821034	.1064183	90.90049	.4639372	1.059328

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6358953**	**173.9022**	**8.382955**	**23.19564**	**1.150023**	**.0438182**
Stddev	.0006816	.7169	.030395	.08065	.001661	.0002271
%RSD	.1071870	.4122260	.3625765	.3476788	.1444478	.5184023
#1	.6362175	174.0276	8.378762	23.21388	1.148176	.0437188
#2	.6351123	174.5481	8.415228	23.26560	1.150499	.0436578
#3	.6363560	173.1309	8.354874	23.10743	1.151394	.0440781

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4903646**	**.9380248**	**3.556501**	**5.925213**	**9.126018**	**.7480811**
Stddev	.0584495	.0009313	.003855	.002060	.012179	.0037560
%RSD	11.91960	.0992840	.1083884	.0347669	.1334577	.5020910
#1	.5074635	.9388307	3.558363	5.924118	9.139296	.7500210
#2	.5383577	.9382384	3.552068	5.927590	9.115365	.7504704
#3	.4252725	.9370052	3.559071	5.923933	9.123394	.7437517

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-13 Acquired: 1/12/2025 7:24:11 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK4S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0039573	1.902121	F 18.74861	.1192455	.7743229	.0925767
Stddev	.0003265	.002086	.04736	.0004981	.0016969	.0002908
%RSD	8.249575	.1096683	.2526242	.4177372	.2191446	.3140871
#1	.0040707	1.902415	18.79733	.1187432	.7761662	.0926752
#2	.0042119	1.904045	18.70273	.1197394	.7728258	.0922495
#3	.0035892	1.899904	18.74577	.1192538	.7739768	.0928055

Elem	Sr4077
Units	ppm
Avg	.2843863
Stddev	.0013609
%RSD	.4785476
#1	.2846414
#2	.2856017
#3	.2829159

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3135.389	74092.16	10715.75	3471.727	3278.993
Stddev	3.958	110.12	51.61	4.089	1.582
%RSD	.1262446	.1486322	.4816274	.1177810	.0482338
#1	3137.961	74039.59	10675.88	3467.030	3278.406
#2	3137.375	74018.17	10774.04	3473.656	3280.784
#3	3130.831	74218.72	10697.32	3474.495	3277.789

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-14 Acquired: 1/12/2025 7:28:12 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0852415**	**-.006878**	**.5306926**	**.0270469**	**-.002883**	**54.50362**
Stddev	.0015407	.000450	.0012858	.0015679	.000246	.37243
%RSD	1.807418	6.537066	.2422937	5.796840	8.533048	.6833170
#1	.0869590	-.006611	.5311447	.0255887	-.003168	54.42250
#2	.0839812	-.006627	.5316912	.0268469	-.002741	54.90992
#3	.0847843	-.007397	.5292417	.0287052	-.002742	54.17843

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9663125**	**.0047042**	**.0078657**	**67.51809**	**.1050353**	**.0885772**
Stddev	.0042256	.0001177	.0001485	.36770	.0003293	.0003941
%RSD	.4372947	2.502973	1.887828	.5446003	.3135182	.4449530
#1	.9672219	.0048128	.0080128	67.37046	.1053056	.0890013
#2	.9700094	.0045791	.0078685	67.93666	.1051318	.0885083
#3	.9617062	.0047207	.0077158	67.24713	.1046686	.0882221

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2199567**	**160.9458**	**12.70283**	**23.47311**	**.1780309**	**-.013913**
Stddev	.0021379	1.0335	.06709	.15436	.0001044	.000423
%RSD	.9719724	.6421425	.5281263	.6575884	.0586204	3.039624
#1	.2179140	160.6401	12.70349	23.36739	.1779415	-.013964
#2	.2221786	162.0977	12.76958	23.65024	.1780056	-.013467
#3	.2197775	160.0997	12.63542	23.40170	.1781456	-.014308

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5242800**	**.1365808**	**.8248598**	**6.255845**	**6.096067**	**.6847640**
Stddev	.1599596	.0015534	.0039722	.065971	.008352	.0059859
%RSD	30.51034	1.137375	.4815602	1.054554	.1370137	.8741507
#1	.3637210	.1381720	.8247289	6.181907	6.104855	.6829416
#2	.6836334	.1350681	.8209547	6.308692	6.088232	.6914493
#3	.5254855	.1365022	.8288958	6.276935	6.095114	.6799012

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-14 Acquired: 1/12/2025 7:28:12 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052181	.7889061	F 17.67666	.0212228	.7306667	.0874561
Stddev	.0002849	.0037261	.06330	.0006226	.0025098	.0011982
%RSD	5.459945	.4723108	.3581012	2.933483	.3434975	1.370039
#1	.0052287	.7931277	17.74858	.0207792	.7333007	.0874599
#2	.0054975	.7860762	17.65199	.0219345	.7283029	.0886524
#3	.0049280	.7875144	17.62941	.0209546	.7303964	.0862560

Elem	Sr4077
Units	ppm
Avg	.1475318
Stddev	.0011665
%RSD	.7906998
#1	.1470741
#2	.1488578
#3	.1466636

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3290.234	78745.40	11187.61	3676.803	3293.876
Stddev	5.386	117.43	60.88	14.857	1.892
%RSD	.1637034	.1491242	.5441641	.4040719	.0574396
#1	3292.346	78713.82	11150.41	3683.236	3293.361
#2	3284.112	78646.99	11257.87	3687.360	3295.972
#3	3294.243	78875.39	11154.56	3659.814	3292.295

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-15 Acquired: 1/12/2025 7:32:09 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0693286**	**-.007803**	**1.012741**	**.0224003**	**-.003255**	**48.89234**
Stddev	.0016341	.001948	.001170	.0015734	.002807	.24305
%RSD	2.356983	24.96207	.1154883	7.023775	86.21988	.4971160
#1	.0685358	-.009483	1.014091	.0216266	-.004760	48.61851
#2	.0682421	-.005668	1.012029	.0242107	-.004990	48.97599
#3	.0712078	-.008259	1.012104	.0213637	-.000017	49.08252

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8892888**	**.0037136**	**.0078702**	**337.1780**	**.1047390**	**.0828602**
Stddev	.0045968	.0001515	.0000622	.9600	.0006107	.0003202
%RSD	.5169061	4.079191	.7908506	.2847184	.5830188	.3864679
#1	.8841938	.0038681	.0078483	336.1229	.1040370	.0829114
#2	.8905473	.0035653	.0079405	338.0001	.1050329	.0831517
#3	.8931252	.0037075	.0078219	337.4108	.1051471	.0825174

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2552211**	**153.4039**	**12.40483**	**113.6860**	**.1615760**	**-.013907**
Stddev	.0007786	.9299	.07090	.8168	.0008808	.000346
%RSD	.3050640	.6061802	.5715680	.7184643	.5451295	2.490421
#1	.2557789	152.3778	12.32651	112.8098	.1623946	-.014303
#2	.2555528	153.6428	12.42336	113.8221	.1606440	-.013755
#3	.2543316	154.1909	12.46463	114.4263	.1616895	-.013662

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.166060**	**.1628502**	**1.367253**	**6.803784**	**6.411398**	**.6613982**
Stddev	.074793	.0018134	.009483	.058533	.005186	.0044656
%RSD	6.414206	1.113561	.6935946	.8602949	.0808839	.6751699
#1	1.080070	.1610552	1.362710	6.744569	6.407521	.6568000
#2	1.202092	.1646815	1.360897	6.805174	6.417288	.6616767
#3	1.216016	.1628138	1.378153	6.861610	6.409384	.6657181

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-15 Acquired: 1/12/2025 7:32:09 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK6 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038481	1.268881	F 17.34992	.0349906	1.052458	.0897700
Stddev	.0002375	.005415	.04111	.0004631	.005089	.0010695
%RSD	6.170873	.4267461	.2369240	1.323492	.4835354	1.191418
#1	.0036234	1.267722	17.32014	.0346682	1.046623	.0891832
#2	.0040965	1.274782	17.33280	.0347823	1.055983	.0891223
#3	.0038245	1.264140	17.39682	.0355213	1.054766	.0910045

Elem	Sr4077
Units	ppm
Avg	.2786256
Stddev	.0014954
%RSD	.5366993
#1	.2768996
#2	.2794460
#3	.2795313

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2840.310	69441.19	9985.035	3200.027	3020.355
Stddev	4.081	332.29	25.063	19.829	2.171
%RSD	.1436708	.4785182	.2510042	.6196635	.0718742
#1	2838.295	69719.61	9984.880	3219.748	3019.491
#2	2845.006	69530.63	10010.18	3200.241	3022.825
#3	2837.629	69073.34	9960.05	3180.091	3018.750

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-16 Acquired: 1/12/2025 7:36:14 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0591332**	**-.007953**	**.4263320**	**.0203147**	**-.000973**	**44.34172**
Stddev	.0011004	.001972	.0042597	.0027354	.001610	.23359
%RSD	1.860888	24.79237	.9991507	13.46513	165.4529	.5267893
#1	.0579968	-.006721	.4238983	.0173625	.000533	44.35016
#2	.0601937	-.006910	.4312506	.0227633	-.002670	44.57098
#3	.0592090	-.010227	.4238471	.0208183	-.000782	44.10403

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7193569**	**.0033287**	**.0065873**	**427.9800**	**.0858600**	**.0719076**
Stddev	.0038312	.0001173	.0000195	.9293	.0006739	.0002368
%RSD	.5325810	3.523129	.2965151	.2171378	.7848198	.3293192
#1	.7205975	.0031932	.0065986	427.9386	.0855300	.0720351
#2	.7224140	.0033963	.0065984	427.0721	.0854147	.0720535
#3	.7150592	.0033964	.0065647	428.9294	.0866352	.0716344

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2400446**	**135.3523**	**11.76849**	**132.3668**	**.1619687**	**-.012620**
Stddev	.0018774	.6361	.05351	.5768	.0008434	.000237
%RSD	.7821211	.4699378	.4546532	.4357696	.5207085	1.875071
#1	.2399195	135.3153	11.79656	132.4165	.1613152	-.012463
#2	.2419814	136.0060	11.80212	132.9171	.1629208	-.012892
#3	.2382328	134.7355	11.70679	131.7667	.1616701	-.012504

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9597083**	**.1130980**	**.8681322**	**6.106340**	**7.009396**	**.5859919**
Stddev	.1488347	.0010371	.0040682	.064898	.016283	.0027636
%RSD	15.50832	.9169693	.4686138	1.062797	.2323057	.4716032
#1	1.127467	.1124596	.8710133	6.145553	7.004176	.5854141
#2	.908146	.1142946	.8634784	6.142038	7.027649	.5889987
#3	.843511	.1125397	.8699048	6.031430	6.996363	.5835630

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-16 Acquired: 1/12/2025 7:36:14 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0037197	.9428853	F 16.29561	.0110837	.7994388	.0918224
Stddev	.0000506	.0027438	.00871	.0005292	.0009778	.0017459
%RSD	1.359509	.2910009	.0534416	4.774621	.1223109	1.901369
#1	.0036617	.9460434	16.30227	.0116500	.8003304	.0925163
#2	.0037547	.9415255	16.29881	.0109994	.7995931	.0931147
#3	.0037426	.9410869	16.28576	.0106017	.7983931	.0898363

Elem	Sr4077
Units	ppm
Avg	.3304557
Stddev	.0018989
%RSD	.5746155
#1	.3301651
#2	.3324831
#3	.3287190

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2806.761	67829.82	9949.457	3141.051	2951.827
Stddev	7.492	82.05	37.157	2.874	11.371
%RSD	.2669343	.1209607	.3734557	.0914831	.3852103
#1	2815.369	67763.51	9953.418	3139.895	2953.628
#2	2801.711	67804.37	9984.475	3144.323	2939.663
#3	2803.203	67921.57	9910.479	3138.936	2962.189

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-17 Acquired: 1/12/2025 7:40:18 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1004445**	**-.001149**	**1.955510**	**.0366533**	**-.001057**	**63.60127**
Stddev	.0009351	.001304	.001171	.0026169	.000442	.26216
%RSD	.9309303	113.5392	.0598896	7.139603	41.83116	.4121862
#1	.1004317	-.001259	1.954692	.0340430	-.000930	63.61851
#2	.1013859	.000207	1.954986	.0392767	-.000692	63.85438
#3	.0995159	-.002394	1.956852	.0366401	-.001549	63.33092

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.079553**	**.0051007**	**.0094572**	**31.98111**	**.1469717**	**.0743396**
Stddev	.012379	.0001206	.0000715	.08384	.0009218	.0002688
%RSD	.5952757	2.364191	.7564057	.2621618	.6272032	.3616344
#1	2.087832	.0049959	.0095397	31.99673	.1459990	.0742120
#2	2.085505	.0052325	.0094127	32.05605	.1470836	.0741583
#3	2.065322	.0050736	.0094191	31.89056	.1478325	.0746485

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4989982**	**158.7312**	**4.727683**	**15.55451**	**.1664336**	**-.011734**
Stddev	.0009824	.6502	.019722	.12189	.0003133	.000073
%RSD	.1968805	.4096418	.4171498	.7836263	.1882471	.6185829
#1	.4994920	158.4799	4.731146	15.44690	.1665934	-.011785
#2	.4996358	159.4696	4.745443	15.68688	.1660726	-.011651
#3	.4978668	158.2442	4.706459	15.52975	.1666348	-.011767

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4413113**	**.1799058**	**2.709711**	**7.723718**	**9.012119**	**.6738424**
Stddev	.1549709	.0013494	.004017	.071754	.026739	.0038427
%RSD	35.11601	.7500817	.1482466	.9290030	.2967056	.5702647
#1	.3791449	.1814240	2.705383	7.684876	8.995537	.6717805
#2	.6177131	.1794506	2.710431	7.806519	8.997854	.6782759
#3	.3270760	.1788428	2.713320	7.679758	9.042966	.6714707

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-17 Acquired: 1/12/2025 7:40:18 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0063383	2.842471	F 19.39315	.2013792	.8514726	.0956531
Stddev	.0005083	.009019	.01720	.0005702	.0033679	.0006320
%RSD	8.020160	.3172809	.0886761	.2831288	.3955410	.6607515
#1	.0060256	2.833587	19.41234	.2020365	.8543200	.0952781
#2	.0060645	2.842208	19.38796	.2010191	.8523428	.0952984
#3	.0069249	2.851618	19.37915	.2010819	.8477549	.0963828

Elem	Sr4077
Units	ppm
Avg	.1530393
Stddev	.0005753
%RSD	.3759207
#1	.1530333
#2	.1536176
#3	.1524671

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3126.065	73165.03	10410.02	3408.593	3406.565
Stddev	4.649	360.59	25.73	13.745	6.535
%RSD	.1487190	.4928384	.2471270	.4032465	.1918226
#1	3129.968	73444.13	10434.62	3423.428	3413.854
#2	3120.921	72757.90	10383.30	3396.289	3401.232
#3	3127.304	73293.07	10412.16	3406.064	3404.609

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-18 Acquired: 1/12/2025 7:44:14 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0826408**	**-.008848**	**.4221254**	**.0349005**	**-.004390**	**75.38456**
Stddev	.0003086	.001721	.0035023	.0018558	.000884	.31446
%RSD	.3734882	19.45173	.8296728	5.317500	20.14390	.4171351
#1	.0823514	-.010755	.4225866	.0359618	-.004065	75.70611
#2	.0829657	-.007409	.4253742	.0359821	-.005391	75.07772
#3	.0826053	-.008381	.4184154	.0327576	-.003714	75.36985

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7176104**	**.0061834**	**.0142878**	**30.48075**	**.1351235**	**.1320275**
Stddev	.0062981	.0000922	.0000968	.15206	.0001784	.0005441
%RSD	.8776545	1.491662	.6773565	.4988828	.1320159	.4120859
#1	.7248781	.0061660	.0143758	30.64501	.1349521	.1314121
#2	.7137472	.0062831	.0143036	30.34489	.1353081	.1322254
#3	.7142060	.0061011	.0141841	30.45234	.1351103	.1324449

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2379679**	**190.2212**	**9.108561**	**21.60341**	**.2463659**	**-.016922**
Stddev	.0010301	.5187	.054309	.01880	.0002357	.000505
%RSD	.4328589	.2726777	.5962414	.0870436	.0956604	2.986170
#1	.2384268	190.7150	9.170926	21.62491	.2461937	-.016590
#2	.2367881	189.6807	9.071690	21.59524	.2462695	-.017504
#3	.2386887	190.2678	9.083066	21.59006	.2466345	-.016673

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8498832**	**.1570655**	**.6779015**	**10.67204**	F **13.71593**	**.8051682**
Stddev	.0787508	.0007817	.0017018	.07187	.01026	.0026865
%RSD	9.266070	.4976890	.2510333	.6733959	.0747788	.3336591
#1	.8663916	.1578931	.6795660	10.75428	13.71666	.8079253
#2	.7641869	.1563397	.6761648	10.62134	13.72580	.8025583
#3	.9190712	.1569637	.6779738	10.64050	13.70532	.8050210

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-18 Acquired: 1/12/2025 7:44:14 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0070755	1.070338	F 15.85387	.0102646	.6906094	.0852856
Stddev	.0001739	.007139	.03994	.0006292	.0018979	.0004406
%RSD	2.457737	.6669606	.2519254	6.129542	.2748191	.5165654
#1	.0070031	1.070371	15.89218	.0095453	.6925035	.0848937
#2	.0072739	1.063182	15.85695	.0107128	.6906173	.0857624
#3	.0069495	1.077460	15.81248	.0105357	.6887076	.0852007

Elem	Sr4077
Units	ppm
Avg	.0910529
Stddev	.0002577
%RSD	.2829785
#1	.0912849
#2	.0907755
#3	.0910982

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4242.980	100471.2	14393.60	4688.753	3271.001
Stddev	9.185	240.5	81.11	16.599	3.420
%RSD	.2164655	.2393481	.5634931	.3540079	.1045538
#1	4253.332	100604.4	14465.97	4675.999	3272.486
#2	4239.800	100193.6	14305.93	4682.740	3267.090
#3	4235.809	100615.6	14408.89	4707.520	3273.429

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-01 Acquired: 1/12/2025 7:48:08 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN53 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0957128**	**-.009475**	**.1328359**	**-.001337**	**.0018467**	**21.82002**
Stddev	.0015175	.001413	.0031790	.003593	.0019755	.02885
%RSD	1.585458	14.91098	2.393186	268.6136	106.9723	.1322159
#1	.0940934	-.009399	.1292461	-.004645	.0016598	21.82461
#2	.0971021	-.010924	.1352947	.002485	.0039089	21.84630
#3	.0959429	-.008102	.1339671	-.001852	-.000029	21.78915

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7512604**	**.0032792**	**.0031559**	F **1869.795**	**.0457542**	**.0370618**
Stddev	.0003437	.0001294	.0001527	15.787	.0000858	.0004337
%RSD	.0457449	3.946990	4.838429	.8443213	.1875609	1.170152
#1	.7516457	.0031308	.0030021	1852.272	.0456665	.0365644
#2	.7511499	.0033688	.0033075	1882.909	.0458380	.0372603
#3	.7509855	.0033380	.0031581	1874.203	.0457581	.0373608

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1544940**	**100.6869**	**10.02042**	F **886.0473**	**.0789198**	**-.010752**
Stddev	.0024597	.2615	.02205	1.6792	.0006005	.000307
%RSD	1.592129	.2597623	.2200759	.1895150	.7608457	2.856908
#1	.1560768	100.7589	9.99571	885.7564	.0796101	-.010422
#2	.1557451	100.9048	10.02744	887.8530	.0785177	-.011029
#3	.1516602	100.3969	10.03810	884.5326	.0786318	-.010805

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.308169**	**.0841980**	**.3082929**	**2.684194**	**3.847404**	**.4422590**
Stddev	.135241	.0013741	.0015589	.040148	.005692	.0017558
%RSD	10.33819	1.632011	.5056407	1.495705	.1479492	.3970062
#1	1.418290	.0857845	.3094310	2.672839	3.843081	.4430807
#2	1.157217	.0833833	.3065161	2.728796	3.845277	.4434532
#3	1.348999	.0834262	.3089315	2.650946	3.853853	.4402430

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-01 Acquired: 1/12/2025 7:48:08 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN53 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0161513	3.497631	8.776891	-.001119	.3163590	.0807739
Stddev	.0007933	.014615	.033078	.001240	.0000915	.0008799
%RSD	4.911523	.4178463	.3768743	110.7762	.0289358	1.089330
#1	.0157062	3.499418	8.753573	.000280	.3164607	.0807118
#2	.0170672	3.482204	8.762352	-.001558	.3163331	.0816833
#3	.0156806	3.511270	8.814748	-.002080	.3162832	.0799268

Elem	Sr4077
Units	ppm
Avg	1.510177
Stddev	.017320
%RSD	1.146875
#1	1.506332
#2	1.529096
#3	1.495103

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2246.031	53764.40	8186.948	2453.305	2494.426
Stddev	5.655	141.76	18.585	4.886	4.543
%RSD	.2517920	.2636703	.2270130	.1991415	.1821121
#1	2239.673	53850.79	8206.755	2455.434	2493.555
#2	2250.500	53600.79	8184.197	2456.764	2499.341
#3	2247.920	53841.62	8169.890	2447.716	2490.381

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-02 Acquired: 1/12/2025 7:52:24 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN82 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0974284**	**-.003724**	**3.484342**	**.0319120**	**-.000125**	**52.14947**
Stddev	.0015726	.001058	.004309	.0023901	.002769	.05410
%RSD	1.614098	28.40914	.1236663	7.489525	2207.760	.1037434
#1	.0990928	-.004823	3.480654	.0338896	-.002306	52.21194
#2	.0972248	-.002712	3.483295	.0325903	.002990	52.11874
#3	.0959675	-.003638	3.489079	.0292561	-.001060	52.11773

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.396105**	**.0046651**	**.0134249**	**66.68797**	**.1766974**	**.0870009**
Stddev	.002124	.0001335	.0000592	.13556	.0003703	.0006502
%RSD	.1521531	2.860854	.4409144	.2032743	.2095683	.7473939
#1	1.397364	.0048090	.0134896	66.76943	.1767185	.0877445
#2	1.393653	.0046407	.0134116	66.53148	.1763170	.0865390
#3	1.397299	.0045455	.0133735	66.76299	.1770567	.0867193

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5153807**	**146.8960**	**8.197345**	**24.61670**	**.2211979**	**-.011418**
Stddev	.0016507	.0793	.017265	.02059	.0006576	.000428
%RSD	.3202864	.0539770	.2106162	.0836529	.2972789	3.750447
#1	.5171528	146.9305	8.201281	24.59658	.2219570	-.011316
#2	.5151027	146.8053	8.178452	24.63773	.2208311	-.011888
#3	.5138867	146.9521	8.212302	24.61579	.2208055	-.011050

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6421789**	**.1554662**	**3.307749**	**7.901297**	F **15.76964**	**.6245180**
Stddev	.1197642	.0018204	.004932	.017331	.03616	.0006860
%RSD	18.64966	1.170916	.1490905	.2193379	.2292751	.1098470
#1	.7361752	.1533642	3.302701	7.920898	15.77692	.6252753
#2	.6830272	.1565174	3.307993	7.894991	15.73040	.6239381
#3	.5073344	.1565170	3.312555	7.888003	15.80161	.6243405

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-02 Acquired: 1/12/2025 7:52:24 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN82 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0095445	4.315434	F 16.83890	.1757725	.9198904	.0734826
Stddev	.0001384	.010697	.05602	.0013397	.0027187	.0013437
%RSD	1.449873	.2478837	.3326548	.7621797	.2955485	1.828633
#1	.0095858	4.310128	16.89605	.1770178	.9229123	.0732255
#2	.0093902	4.308427	16.83654	.1743551	.9176429	.0722859
#3	.0096576	4.327747	16.78410	.1759446	.9191161	.0749363

Elem	Sr4077
Units	ppm
Avg	.1760362
Stddev	.0000676
%RSD	.0384075
#1	.1761120
#2	.1759820
#3	.1760147

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2971.073	71582.90	9836.748	3308.794	3363.405
Stddev	6.005	53.00	33.233	4.561	7.635
%RSD	.2021168	.0740351	.3378443	.1378354	.2270025
#1	2977.005	71545.36	9803.907	3314.048	3372.129
#2	2964.997	71643.52	9835.978	3306.469	3357.946
#3	2971.218	71559.82	9870.359	3305.864	3360.138

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-03 Acquired: 1/12/2025 7:56:19 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN82D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0973838**	**-.003000**	**3.467011**	**.0330345**	**.0003334**	**52.97057**
Stddev	.0027877	.001679	.012235	.0006396	.0004135	.15197
%RSD	2.862607	55.97741	.3528952	1.936193	124.0336	.2869040
#1	.0994034	-.004649	3.454834	.0337677	.0003378	53.13085
#2	.0942032	-.001292	3.466896	.0325915	.0007447	52.82855
#3	.0985446	-.003058	3.479303	.0327442	-.000082	52.95231

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.401916**	**.0045973**	**.0133206**	**67.43258**	**.1780666**	**.0868936**
Stddev	.001300	.0001382	.0001855	.07783	.0008525	.0002965
%RSD	.0927192	3.005961	1.392295	.1154251	.4787802	.3411842
#1	1.401606	.0044538	.0131084	67.50895	.1771302	.0867469
#2	1.403343	.0047296	.0134015	67.43542	.1782718	.0866990
#3	1.400800	.0046084	.0134519	67.35336	.1787978	.0872348

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5130573**	**149.2460**	**8.227433**	**24.90980**	**.2192071**	**-.011335**
Stddev	.0006647	.2519	.012222	.04752	.0011007	.000173
%RSD	.1295559	.1687641	.1485458	.1907679	.5021356	1.528104
#1	.5136079	149.5357	8.227659	24.94857	.2182764	-.011279
#2	.5123189	149.1241	8.239539	24.85679	.2189228	-.011196
#3	.5132451	149.0784	8.215099	24.92403	.2204220	-.011529

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6724972**	**.1531681**	**3.311097**	**8.046140**	F **15.45362**	**.6367540**
Stddev	.1199018	.0018380	.004585	.047597	.08499	.0019374
%RSD	17.82934	1.200007	.1384688	.5915482	.5499639	.3042612
#1	.7477593	.1546623	3.312448	8.090081	15.38418	.6389865
#2	.7355049	.1511157	3.305988	8.052758	15.42828	.6357620
#3	.5342274	.1537264	3.314854	7.995580	15.54840	.6355135

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-03 Acquired: 1/12/2025 7:56:19 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN82D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0093031	4.241706	F 16.55064	.1761762	.9095079	.0734786
Stddev	.0002525	.024142	.03156	.0005371	.0045919	.0013491
%RSD	2.714587	.5691578	.1906826	.3048670	.5048810	1.836112
#1	.0090124	4.220084	16.52224	.1765913	.9042061	.0729081
#2	.0094284	4.237278	16.54507	.1763677	.9122238	.0750193
#3	.0094684	4.267755	16.58461	.1755696	.9120938	.0725085

Elem	Sr4077
Units	ppm
Avg	.1812317
Stddev	.0003300
%RSD	.1821072
#1	.1814698
#2	.1808549
#3	.1813703

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2999.558	70876.51	9943.597	3318.030	3401.148
Stddev	8.878	117.61	39.388	20.756	10.627
%RSD	.2959722	.1659350	.3961175	.6255647	.3124583
#1	2996.753	70828.57	9982.228	3300.006	3406.557
#2	3009.500	71010.52	9945.071	3340.723	3407.983
#3	2992.421	70790.45	9903.493	3313.360	3388.904

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-02LX5 Acquired: 1/12/2025 8:00:14 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN82L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0204014**	**.0001114**	**.7278793**	**.0109434**	**.0009756**	**12.06810**	**.3109977**
Stddev	.0042981	.0010429	.0028333	.0025158	.0009380	.01275	.0009118
%RSD	21.06753	936.2987	.3892578	22.98884	96.14367	.1056307	.2931779
#1	.0162388	.0010888	.7266487	.0093723	-.000077	12.06006	.3106787
#2	.0201421	-.000987	.7258694	.0096129	.001723	12.08280	.3120262
#3	.0248232	.000232	.7311199	.0138451	.001281	12.06144	.3102883

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010612**	**.0025199**	**15.61972**	**.0416011**	**.0174697**	**.1177891**	**34.88182**
Stddev	.0000687	.0000438	.03166	.0002966	.0004907	.0033332	.03243
%RSD	6.469686	1.737996	.2027023	.7130865	2.808953	2.829771	.0929759
#1	.0010050	.0025616	15.58341	.0417580	.0173839	.1139501	34.87625
#2	.0011377	.0024743	15.64157	.0417864	.0170275	.1194702	34.91667
#3	.0010408	.0025237	15.63418	.0412589	.0179976	.1199469	34.85253

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.889988**	**5.783492**	**.0450721**	**-.002744**	**.1894657**	**.0345004**	**.7986996**
Stddev	.005963	.022300	.0002758	.000289	.1406829	.0009315	.0045755
%RSD	.3155141	.3855841	.6119225	10.53655	74.25246	2.700058	.5728690
#1	1.883286	5.781862	.0447604	-.002778	.2443890	.0336291	.8024682
#2	1.894708	5.762052	.0452846	-.002440	.2944021	.0343897	.7936085
#3	1.891971	5.806563	.0451713	-.003015	.0296059	.0354823	.8000220

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.952559**	**3.305413**	**.1449080**	**.0018881**	**.8879369**	**3.789347**	**.0350613**
Stddev	.055127	.015785	.0005071	.0000019	.0046119	.015603	.0000443
%RSD	2.823301	.4775415	.3499360	.1027236	.5193911	.4117717	.1264486
#1	1.890266	3.289973	.1452636	.0018871	.8836393	3.771987	.0351117
#2	1.995048	3.304745	.1451331	.0018904	.8873622	3.802201	.0350437
#3	1.972362	3.321521	.1443273	.0018869	.8928092	3.793854	.0350284

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-02LX5 Acquired: 1/12/2025 8:00:14 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN82L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2074725	.0170274	.0417862
Stddev	.0017313	.0007131	.0000553
%RSD	.8344506	4.187838	.1322388
#1	.2054852	.0166267	.0418335
#2	.2086542	.0178506	.0417255
#3	.2082779	.0166047	.0417997

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2572.274	61307.08	8524.296	2904.692	3402.023
Stddev	13.752	370.68	25.007	19.735	20.752
%RSD	.5346199	.6046246	.2933647	.6794264	.6099820
#1	2586.574	60895.62	8507.206	2889.690	3425.242
#2	2571.104	61614.93	8552.999	2927.049	3395.538
#3	2559.145	61410.70	8512.684	2897.338	3385.287

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV004 Acquired: 1/12/2025 8:04:15 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV004 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.729791**	**4.768263**	**24.37294**	**4.781056**	**4.673004**	**385.8093**
Stddev	.018120	.032863	.06466	.028650	.023992	7.2139
%RSD	.3831061	.6891929	.2652875	.5992360	.5134082	1.869822
#1	4.727587	4.764051	24.33057	4.790132	4.671562	379.7678
#2	4.712874	4.737709	24.34087	4.748967	4.649767	383.8636
#3	4.748912	4.803028	24.44736	4.804068	4.697685	393.7966

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.925977**	**.4946341**	**2.457623**	**392.1983**	**15.32934**	**2.464039**
Stddev	.021130	.0038814	.007836	5.1380	.13782	.006851
%RSD	.2128804	.7847075	.3188631	1.310048	.8990513	.2780436
#1	9.902618	.4906057	2.452552	387.3996	15.20220	2.461483
#2	9.931551	.4983496	2.453667	391.5765	15.31003	2.458833
#3	9.943761	.4949470	2.466648	397.6190	15.47580	2.471800

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.63250**	**390.4568**	**14.91063**	**244.9603**	**2.462612**	**1.226838**
Stddev	.02711	2.3913	.10339	1.5873	.006812	.010420
%RSD	.1853041	.6124304	.6933911	.6479679	.2766340	.8493661
#1	14.63442	389.8239	14.84859	244.3062	2.457899	1.215595
#2	14.65861	388.4456	14.85331	243.8045	2.459514	1.228747
#3	14.60448	393.1008	15.02998	246.7700	2.470423	1.236172

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**396.5722**	**2.410427**	**15.74113**	**148.0034**	**4.969229**	F **5.856666**
Stddev	.7201	.015258	.10529	.7946	.028603	.037238
%RSD	.1815727	.6330008	.6688541	.5368995	.5756008	.6358159
#1	395.7407	2.394201	15.62827	147.8295	4.975036	5.813683
#2	396.9856	2.412593	15.75843	147.3101	4.938168	5.879175
#3	396.9902	2.424486	15.83669	148.8706	4.994483	5.877138

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV004 Acquired: 1/12/2025 8:04:15 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV004 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.671301**	**4.946607**	**4.851418**	**4.879676**	**4.875290**	**4.845976**
Stddev	.020953	.031653	.022423	.014265	.018795	.025565
%RSD	.4485412	.6398944	.4621950	.2923295	.3855245	.5275593
#1	4.668907	4.951099	4.828713	4.876580	4.853730	4.838140
#2	4.651648	4.912947	4.873548	4.867213	4.888221	4.825246
#3	4.693348	4.975773	4.851993	4.895234	4.883921	4.874542

Elem	Sr4077
Units	ppm
Avg	**4.941095**
Stddev	.060192
%RSD	1.218190
#1	4.904950
#2	4.907754
#3	5.010579

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1981.157**	**50027.14**	**7679.056**	**2346.213**	**2669.618**
Stddev	5.286	336.64	31.494	13.397	5.471
%RSD	.2668389	.6729200	.4101237	.5710262	.2049534
#1	1979.784	50254.06	7713.457	2360.079	2671.659
#2	1986.995	50187.01	7651.645	2345.220	2673.775
#3	1976.693	49640.35	7672.066	2333.339	2663.419

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB004 Acquired: 1/12/2025 8:08:34 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB004 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012740**	**-.000100**	**.0008626**	**.0006080**	**.0001041**	**.0111094**	**-.001328**
Stddev	.0016074	.000455	.0000612	.0013338	.0008117	.0040265	.000275
%RSD	126.1629	454.3485	7.090338	219.3777	780.0359	36.24432	20.73992
#1	.0008488	-.000570	.0007939	.0012196	-.000169	.0097368	-.001121
#2	.0030512	-.000069	.0008825	-.000922	.001017	.0079486	-.001641
#3	-.000078	.000339	.0009113	.001526	-.000536	.0156427	-.001223

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000026**	**.0001265**	**.0173201**	**.0000509**	**-.000074**	**.0002416**	**.0200541**
Stddev	.000099	.0001087	.0025327	.0003610	.000109	.0008845	.0028001
%RSD	385.1334	85.93539	14.62305	709.9656	147.3129	366.0827	13.96250
#1	-.000030	.0001563	.0177148	.0002702	-.000103	.0006895	.0183764
#2	.000075	.0002173	.0146132	-.000366	-.000166	.0008125	.0232865
#3	-.000122	.0000060	.0196322	.000248	.000047	-.000777	.0184994

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006798**	**.0191510**	**-.000135**	**.0002283**	**-.106786**	**-.002441**	**.0007824**
Stddev	.0005342	.0020231	.000130	.0003073	.127545	.000983	.0000374
%RSD	78.58316	10.56388	96.63030	134.5760	119.4400	40.27232	4.780608
#1	.0010078	.0209234	-.000132	-.000032	-.168631	-.001391	.0007461
#2	.0009682	.0169469	-.000006	.000150	.039891	-.002593	.0008208
#3	.0000634	.0195826	-.000267	.000567	-.191618	-.003340	.0007802

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1937641**	**-.001744**	**.0014608**	**.0004502**	**-.000279**	**.0016602**	**.0000323**
Stddev	.0256339	.001031	.0004897	.0000509	.002759	.0033386	.0006644
%RSD	13.22944	59.13689	33.52510	11.29954	989.2548	201.0985	2055.497
#1	.1742795	-.000691	.0008953	.0003973	-.003386	.0018943	-.000529
#2	.2228030	-.002753	.0017452	.0004546	.001883	.0048756	.000766
#3	.1842098	-.001788	.0017419	.0004988	.000667	-.001789	-.000140

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB004 Acquired: 1/12/2025 8:08:34 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB004 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000334	.0007768	.0000632
Stddev	.001032	.0011606	.0000481
%RSD	308.9161	149.4101	76.14780
#1	-.001323	.0015842	.0000722
#2	-.000416	.0012994	.0000112
#3	.000736	-.000553	.0001061

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2479.805	59032.16	8018.951	2779.270	3478.921
Stddev	14.137	39.52	62.898	10.090	18.087
%RSD	.5700812	.0669393	.7843677	.3630558	.5199059
#1	2466.678	59077.54	8056.310	2777.599	3467.584
#2	2477.966	59013.54	7946.332	2790.091	3469.399
#3	2494.772	59005.39	8054.210	2770.119	3499.780

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-04 Acquired: 1/12/2025 8:12:43 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN82S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1580257**	**.0961265**	**3.535311**	**.1757427**	**.1385258**	**57.31776**
Stddev	.0020104	.0010789	.003188	.0039102	.0012681	.34826
%RSD	1.272165	1.122385	.0901722	2.224965	.9154098	.6075934
#1	.1587507	.0949850	3.538969	.1721905	.1378652	57.54527
#2	.1595731	.0971294	3.533843	.1751051	.1377243	57.49116
#3	.1557535	.0962650	3.533123	.1799326	.1399877	56.91684

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.607052**	**.0863181**	**.1092399**	**69.23576**	**.5317874**	**1.056831**
Stddev	.079415	.0007476	.0002798	.51137	.0017503	.001102
%RSD	1.723781	.8660599	.2561235	.7385874	.3291304	.1042937
#1	4.649651	.0858906	.1094137	69.48412	.5333313	1.056808
#2	4.656079	.0858824	.1089172	69.57551	.5298860	1.055740
#3	4.515426	.0871814	.1093889	68.64765	.5321449	1.057945

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9042372**	**155.1780**	**9.241331**	**25.52568**	**1.195932**	**.0510515**
Stddev	.0013985	.9466	.073572	.14997	.001715	.0002678
%RSD	.1546620	.6100387	.7961149	.5875395	.1433708	.5246088
#1	.9030741	155.8464	9.275645	25.53610	1.196059	.0513588
#2	.9038485	155.5929	9.291476	25.67018	1.194158	.0509274
#3	.9057889	154.0947	9.156871	25.37077	1.197580	.0508682

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6235682**	**.9803477**	**4.225407**	**8.362630**	F **15.81604**	**.6717725**
Stddev	.2007722	.0028706	.009654	.015361	.02714	.0039042
%RSD	32.19731	.2928108	.2284678	.1836897	.1715846	.5811841
#1	.6592961	.9774270	4.214510	8.380355	15.79001	.6742357
#2	.4073306	.9804506	4.228821	8.353198	15.81392	.6738108
#3	.8040778	.9831654	4.232890	8.354336	15.84417	.6672709

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-04 Acquired: 1/12/2025 8:12:43 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN82S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0091544	4.399265	F 16.35827	.1764742	.8964052	.0752939
Stddev	.0000691	.012479	.07002	.0006266	.0014482	.0009260
%RSD	.7548466	.2836555	.4280189	.3550460	.1615544	1.229896
#1	.0092338	4.401525	16.30176	.1765449	.8950759	.0748569
#2	.0091078	4.385810	16.43660	.1758153	.8979485	.0763576
#3	.0091216	4.410459	16.33646	.1770624	.8961911	.0746672

Elem	Sr4077
Units	ppm
Avg	.1870073
Stddev	.0010202
%RSD	.5455499
#1	.1877223
#2	.1874606
#3	.1858390

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2930.423	68974.40	10047.28	3256.598	3301.310
Stddev	2.952	174.13	53.20	4.924	5.662
%RSD	.1007511	.2524570	.5295051	.1512028	.1715193
#1	2933.572	68787.78	10078.88	3262.222	3302.772
#2	2929.981	69002.90	10077.10	3254.514	3306.097
#3	2927.717	69132.52	9985.85	3253.059	3295.060

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-05 Acquired: 1/12/2025 8:16:38 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN83 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0794417	-.001573	2.545170	.0250493	-.000031	40.39911
Stddev	.0020033	.000783	.004121	.0019094	.000429	.23231
%RSD	2.521741	49.75473	.1618986	7.622745	1385.520	.5750333
#1	.0811998	-.000689	2.541340	.0269007	.000075	40.16339
#2	.0798645	-.002176	2.549530	.0251604	-.000502	40.40607
#3	.0772607	-.001854	2.544640	.0230867	.000335	40.62785

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.256891	.0034727	.0099674	43.88067	.1350038	.0631029
Stddev	.011717	.0000748	.0000499	.28342	.0005985	.0001360
%RSD	.9321881	2.154498	.5006563	.6458857	.4433080	.2155752
#1	1.246953	.0034423	.0099653	43.62287	.1353099	.0629760
#2	1.253909	.0035579	.0099186	43.83498	.1353873	.0630863
#3	1.269810	.0034178	.0100183	44.18416	.1343142	.0632465

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4361735	108.5298	6.144238	16.22949	.1580562	-.007495
Stddev	.0013966	.5787	.051467	.05113	.0007314	.000220
%RSD	.3201825	.5332015	.8376403	.3150349	.4627262	2.935272
#1	.4345691	107.9497	6.101894	16.18015	.1572299	-.007325
#2	.4368349	108.5326	6.129298	16.28224	.1586203	-.007743
#3	.4371164	109.1071	6.201521	16.22609	.1583184	-.007416

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4824345	.1136536	2.705570	5.426282	F 10.92192	.4673562
Stddev	.2915473	.0020984	.004602	.059515	.00554	.0026658
%RSD	60.43252	1.846346	.1700845	1.096798	.0507335	.5703969
#1	.7482278	.1126321	2.709197	5.359250	10.92647	.4646340
#2	.5284660	.1160672	2.707119	5.446681	10.91575	.4674728
#3	.1706097	.1122615	2.700393	5.472916	10.92355	.4699618

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-05 Acquired: 1/12/2025 8:16:38 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN83 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058030	2.791375	F 13.87581	.1494899	.7476862	.0554836
Stddev	.0001193	.004607	.02627	.0002307	.0008053	.0010533
%RSD	2.055407	.1650543	.1893045	.1543206	.1077090	1.898355
#1	.0056811	2.796608	13.88352	.1492343	.7468320	.0566483
#2	.0059195	2.787927	13.89736	.1495528	.7484315	.0552043
#3	.0058084	2.789590	13.84655	.1496826	.7477953	.0545981

Elem	Sr4077
Units	ppm
Avg	.1498753
Stddev	.0008569
%RSD	.5717622
#1	.1489089
#2	.1501747
#3	.1505424

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2909.937	67283.89	9639.442	3157.803	3485.612
Stddev	5.545	96.56	61.043	.347	3.957
%RSD	.1905638	.1435096	.6332584	.0109746	.1135353
#1	2916.207	67374.76	9593.675	3158.116	3489.689
#2	2905.678	67294.40	9615.900	3157.863	3485.360
#3	2907.926	67182.50	9708.750	3157.431	3481.786

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-06 Acquired: 1/12/2025 8:20:34 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN84 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1039129**	**-.004010**	**9.795983**	**.0259398**	**-.001193**	**51.33361**
Stddev	.0043690	.001737	.038265	.0008894	.001140	.21082
%RSD	4.204499	43.31938	.3906201	3.428856	95.55796	.4106805
#1	.0989103	-.002051	9.767034	.0249141	-.000606	51.13052
#2	.1058499	-.004615	9.781549	.0264071	-.000466	51.31892
#3	.1069786	-.005363	9.839365	.0264982	-.002506	51.55138

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.401385**	**.0044977**	**.0128199**	**101.1373**	**.1492149**	**.0806645**
Stddev	.005134	.0001785	.0000938	.3325	.0006959	.0006806
%RSD	.3663523	3.968445	.7313354	.3287594	.4663450	.8437516
#1	1.396135	.0046091	.0127636	100.7791	.1486393	.0800173
#2	1.401625	.0045921	.0127679	101.1967	.1499882	.0806022
#3	1.406394	.0042918	.0129281	101.4361	.1490171	.0813742

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.86112**	**134.0743**	**8.607780**	**24.19484**	**.2031512**	**-.009055**
Stddev	.01544	.2455	.031496	.07569	.0006407	.000371
%RSD	.1301318	.1831220	.3659009	.3128534	.3153644	4.095860
#1	11.86629	133.8228	8.578875	24.11293	.2024312	-.008760
#2	11.84376	134.0866	8.603117	24.20940	.2033639	-.009471
#3	11.87330	134.3134	8.641347	24.26220	.2036584	-.008933

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5924688**	**.1363715**	**3.116440**	**7.211671**	F **14.74520**	**.5811719**
Stddev	.2598069	.0018764	.006754	.051544	.05892	.0012351
%RSD	43.85157	1.375946	.2167160	.7147340	.3996074	.2125180
#1	.2925334	.1385329	3.110810	7.166561	14.69184	.5799470
#2	.7370843	.1351594	3.114581	7.200602	14.73532	.5811515
#3	.7477888	.1354222	3.123929	7.267851	14.80844	.5824170

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-06 Acquired: 1/12/2025 8:20:34 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN84 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0068746	2.877925	F 15.91009	.7395932	.8045463	.0767031
Stddev	.0003334	.011785	.05814	.0018052	.0022012	.0011111
%RSD	4.848921	.4094834	.3654037	.2440800	.2735930	1.448551
#1	.0068848	2.865958	15.88538	.7381415	.8036451	.0764317
#2	.0065363	2.878300	15.86839	.7390237	.8029386	.0757528
#3	.0072028	2.889518	15.97650	.7416145	.8070550	.0779247

Elem	Sr4077
Units	ppm
Avg	.2217985
Stddev	.0007582
%RSD	.3418597
#1	.2211053
#2	.2216819
#3	.2226083

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2887.175	68018.41	9884.491	3187.606	3312.176
Stddev	3.270	190.19	10.365	2.653	7.360
%RSD	.1132443	.2796209	.1048632	.0832224	.2222161
#1	2883.996	68237.26	9888.445	3186.871	3317.438
#2	2890.528	67893.12	9872.730	3190.549	3315.326
#3	2887.000	67924.84	9892.297	3185.398	3303.766

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-07 Acquired: 1/12/2025 8:24:27 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN85 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0819059	-.006032	.9055760	.0213166	-.003269	50.91169
Stddev	.0007578	.000663	.0017496	.0022354	.000881	.31596
%RSD	.9251909	10.99708	.1931973	10.48655	26.94152	.6206075
#1	.0824475	-.005271	.9075879	.0238847	-.004162	51.27501
#2	.0822303	-.006487	.9044110	.0202579	-.003245	50.75887
#3	.0810399	-.006337	.9047293	.0198073	-.002401	50.70119

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6270567	.0035804	.0082851	456.7840	.1079727	.0902354
Stddev	.0075315	.0000442	.0000852	4.1458	.0004254	.0005287
%RSD	1.201084	1.233668	1.028195	.9076095	.3940261	.5859433
#1	.6356922	.0036243	.0082754	461.5065	.1084422	.0901535
#2	.6218482	.0035359	.0082053	453.7435	.1078632	.0897524
#3	.6236296	.0035811	.0083748	455.1019	.1076127	.0908003

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6215138	149.9871	8.775258	73.87439	.1849739	-.012371
Stddev	.0017710	.8832	.058700	.34326	.0003103	.000120
%RSD	.2849577	.5888461	.6689310	.4646569	.1677371	.9668130
#1	.6205532	151.0013	8.842928	74.26895	.1846912	-.012245
#2	.6204307	149.5733	8.738064	73.70988	.1853058	-.012382
#3	.6235576	149.3869	8.744781	73.64435	.1849247	-.012484

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6751170	.1277752	1.169551	9.257453	F 14.22876	.6538197
Stddev	.1193982	.0020717	.001311	.078694	.04364	.0050837
%RSD	17.68556	1.621391	.1121065	.8500562	.3066992	.7775342
#1	.7332159	.1255261	1.170861	9.344857	14.20777	.6596762
#2	.5377886	.1296056	1.169551	9.192231	14.19958	.6512375
#3	.7543464	.1281938	1.168239	9.235271	14.27892	.6505454

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-07 Acquired: 1/12/2025 8:24:27 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN85 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0062494	1.924007	F 15.11920	.0418704	.5866215	.0965892
Stddev	.0007086	.005326	.04837	.0006042	.0015048	.0012997
%RSD	11.33805	.2767925	.3199341	1.442970	.2565152	1.345652
#1	.0054464	1.918024	15.12374	.0423790	.5874269	.0979791
#2	.0067869	1.925768	15.16514	.0420297	.5848854	.0963846
#3	.0065148	1.928228	15.06872	.0412026	.5875522	.0954039

Elem	Sr4077
Units	ppm
Avg	.7780798
Stddev	.0050608
%RSD	.6504169
#1	.7838854
#2	.7757535
#3	.7746005

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2829.773	67381.02	10091.84	3145.019	2935.261
Stddev	5.834	161.43	52.28	13.016	6.814
%RSD	.2061692	.2395804	.5180207	.4138592	.2321548
#1	2836.186	67250.68	10142.33	3143.603	2942.075
#2	2828.352	67330.77	10037.94	3132.769	2935.261
#3	2824.780	67561.60	10095.24	3158.686	2928.446

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-08 Acquired: 1/12/2025 8:28:32 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN86 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0832938	-.005071	.6882938	.0209048	-.001144	48.10157
Stddev	.0024260	.001250	.0042358	.0043891	.000495	.44941
%RSD	2.912530	24.64857	.6154077	20.99578	43.23962	.9342985
#1	.0853318	-.003715	.6836526	.0256716	-.001273	48.38314
#2	.0839391	-.006177	.6892778	.0170306	-.001562	47.58328
#3	.0806104	-.005321	.6919511	.0200121	-.000598	48.33829

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5056985	.0033749	.0070667	574.5144	.0959888	.0826774
Stddev	.0058310	.0001657	.0000439	4.3939	.0008331	.0006206
%RSD	1.153057	4.908535	.6208263	.7647951	.8679567	.7506230
#1	.5077200	.0032770	.0070795	573.8363	.0955988	.0820923
#2	.4991258	.0035662	.0071027	570.4990	.0954221	.0826116
#3	.5102497	.0032815	.0070178	579.2079	.0969454	.0833282

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3816926	147.7458	7.310604	74.84104	.1598406	-.013333
Stddev	.0031733	1.3501	.075696	.62082	.0004478	.000282
%RSD	.8313661	.9137958	1.035425	.8295168	.2801722	2.118739
#1	.3838604	148.5209	7.343687	75.15993	.1594876	-.013153
#2	.3780504	146.1869	7.223998	74.12559	.1603444	-.013659
#3	.3831671	148.5297	7.364126	75.23760	.1596900	-.013188

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9090796	.1101925	1.116807	8.974781	F 10.11091	.6495075
Stddev	.1860806	.0025541	.014287	.114351	.01499	.0056227
%RSD	20.46912	2.317824	1.279278	1.274142	.1482712	.8656923
#1	.8201460	.1126935	1.109406	9.012290	10.11531	.6525320
#2	.7841531	.1075885	1.107738	8.846386	10.09421	.6430199
#3	1.122940	.1102956	1.133276	9.065668	10.12321	.6529707

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-08 Acquired: 1/12/2025 8:28:32 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN86 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038460	1.473510	F 13.54974	.0272680	.4613966	.0961800
Stddev	.0002818	.007461	.14397	.0009413	.0047093	.0004285
%RSD	7.327968	.5063730	1.062544	3.452182	1.020668	.4454872
#1	.0040848	1.471484	13.63989	.0264693	.4653981	.0957968
#2	.0035351	1.467271	13.38370	.0270290	.4562070	.0961005
#3	.0039180	1.481775	13.62562	.0283059	.4625847	.0966426

Elem	Sr4077
Units	ppm
Avg	.7640338
Stddev	.0070219
%RSD	.9190505
#1	.7691088
#2	.7560200
#3	.7669726

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2774.918	65810.67	9959.097	3074.463	2923.019
Stddev	11.534	525.76	53.402	36.680	7.997
%RSD	.4156562	.7988961	.5362182	1.193054	.2735785
#1	2787.126	66066.71	9982.111	3082.338	2929.742
#2	2773.423	66159.36	9997.135	3106.566	2925.139
#3	2764.204	65205.93	9898.047	3034.485	2914.176

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-09 Acquired: 1/12/2025 8:32:38 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN87 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0786035	-.005580	.7047036	.0242283	-.000534	50.09627
Stddev	.0019878	.000728	.0031142	.0024417	.002328	.25095
%RSD	2.528912	13.04641	.4419163	10.07808	436.3725	.5009325
#1	.0775906	-.004792	.7063807	.0261447	-.001539	49.80673
#2	.0808937	-.006228	.7066197	.0214791	-.002190	50.25097
#3	.0773261	-.005721	.7011103	.0250610	.002129	50.23112

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5118847	.0034866	.0067841	541.5120	.0965345	.0910831
Stddev	.0039087	.0001280	.0001237	2.1892	.0004346	.0001101
%RSD	.7635980	3.671614	1.822795	.4042813	.4502145	.1208888
#1	.5081933	.0035618	.0069098	541.2287	.0960505	.0911273
#2	.5159795	.0033388	.0067799	543.8292	.0968914	.0909577
#3	.5114812	.0035593	.0066626	539.4783	.0966617	.0911642

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4291994	150.3893	7.749617	87.88318	.1658727	-.013209
Stddev	.0019258	.4963	.039884	.35041	.0009453	.000445
%RSD	.4486917	.3300092	.5146606	.3987185	.5698755	3.369376
#1	.4291667	149.8162	7.711701	87.48744	.1657191	-.012864
#2	.4311413	150.6800	7.791214	88.15405	.1668854	-.013712
#3	.4272901	150.6716	7.745937	88.00805	.1650137	-.013053

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9789231	.1194891	.9388224	9.731421	F 10.20934	.6567160
Stddev	.0229334	.0009932	.0005060	.068430	.02731	.0037476
%RSD	2.342715	.8312285	.0539013	.7031845	.2674666	.5706556
#1	1.003313	.1204737	.9391863	9.653370	10.20044	.6525353
#2	.975662	.1184874	.9382445	9.781108	10.23999	.6597737
#3	.957795	.1195062	.9390362	9.759785	10.18760	.6578390

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-09 Acquired: 1/12/2025 8:32:38 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN87 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044776	1.473882	F 13.68063	.0211012	.8545324	.1017469
Stddev	.0001065	.002631	.02086	.0006147	.0033113	.0007534
%RSD	2.378473	.1785209	.1524537	2.913207	.3874926	.7404270
#1	.0043829	1.475935	13.69189	.0208352	.8523009	.1009321
#2	.0044572	1.470916	13.69344	.0218041	.8583369	.1018904
#3	.0045929	1.474794	13.65656	.0206643	.8529593	.1024182

Elem	Sr4077
Units	ppm
Avg	.5300159
Stddev	.0021185
%RSD	.3997045
#1	.5275700
#2	.5312061
#3	.5312717

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2769.194	65548.26	9800.904	3070.657	2908.014
Stddev	2.251	319.75	31.329	5.965	6.653
%RSD	.0812923	.4878040	.3196518	.1942697	.2287825
#1	2771.792	65861.89	9798.516	3077.461	2908.587
#2	2767.839	65222.73	9770.837	3066.327	2901.093
#3	2767.950	65560.16	9833.358	3068.182	2914.362

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-10 Acquired: 1/12/2025 8:36:43 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN88 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0639593	-.004809	.2913888	.0101502	.0011999	38.83561
Stddev	.0045281	.001620	.0056186	.0033762	.0015159	.10732
%RSD	7.079598	33.67721	1.928210	33.26205	126.3405	.2763366
#1	.0686671	-.003140	.2966142	.0106357	.0024222	38.71954
#2	.0635756	-.004914	.2854459	.0132573	-.000496	38.93122
#3	.0596354	-.006374	.2921062	.0065576	.001674	38.85608

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3107351	.0025762	.0062908	F 935.6180	.0796549	.0687637
Stddev	.0014771	.0000696	.0001512	5.1864	.0001534	.0005693
%RSD	.4753660	2.702764	2.403062	.5543269	.1925528	.8278430
#1	.3121055	.0025662	.0061528	940.2501	.0798298	.0682342
#2	.3109294	.0025121	.0062673	930.0147	.0795919	.0693658
#3	.3091705	.0026503	.0064524	936.5892	.0795431	.0686912

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3060509	119.5186	7.370330	246.1448	.1300085	-.011275
Stddev	.0008504	.0897	.018829	.1822	.0005707	.000478
%RSD	.2778581	.0750787	.2554734	.0740241	.4389582	4.240955
#1	.3070302	119.4561	7.382250	245.9678	.1299598	-.011757
#2	.3054980	119.6214	7.380119	246.3318	.1294637	-.010801
#3	.3056247	119.4783	7.348623	246.1347	.1306020	-.011266

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9249515	.0841177	.7710730	7.985058	9.125745	.5325077
Stddev	.0704960	.0008080	.0015636	.018744	.054746	.0011392
%RSD	7.621584	.9605808	.2027835	.2347427	.5999113	.2139372
#1	.8631004	.0832079	.7726470	7.968165	9.077156	.5312288
#2	1.001708	.0847516	.7695200	7.981786	9.115018	.5328805
#3	.910046	.0843936	.7710521	8.005223	9.185061	.5334139

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-10 Acquired: 1/12/2025 8:36:43 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN88 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048594	1.490462	F 12.39707	.0175656	.4332409	.0979751
Stddev	.0000826	.009236	.01712	.0004616	.0009773	.0005066
%RSD	1.700464	.6196999	.1381234	2.627706	.2255701	.5170885
#1	.0048600	1.483522	12.38257	.0170451	.4341316	.0983613
#2	.0049418	1.486919	12.41596	.0179252	.4333955	.0974015
#3	.0047765	1.500945	12.39267	.0177265	.4321955	.0981625

Elem	Sr4077
Units	ppm
Avg	.5988086
Stddev	.0011426
%RSD	.1908140
#1	.5978945
#2	.6000896
#3	.5984417

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2569.599	62074.17	9356.923	2892.485	2724.316
Stddev	3.592	87.59	20.882	10.877	1.886
%RSD	.1398012	.1411023	.2231717	.3760547	.0692412
#1	2567.501	62046.56	9339.557	2882.623	2722.595
#2	2573.747	62172.24	9380.093	2904.152	2726.332
#3	2567.549	62003.71	9351.118	2890.680	2724.021

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-11 Acquired: 1/12/2025 8:40:48 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNA1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1402781**	**-.004639**	**2.409571**	**.0290551**	**.0000517**	**55.34561**
Stddev	.0018563	.000384	.004649	.0031444	.0002676	.43208
%RSD	1.323283	8.280742	.1929301	10.82229	517.4244	.7806895
#1	.1382932	-.004868	2.406809	.0254322	.0002707	55.05134
#2	.1405700	-.004196	2.406966	.0310746	.0001310	55.14383
#3	.1419711	-.004854	2.414938	.0306584	-.000247	55.84167

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.256279**	**.0047862**	**.0112202**	**38.12426**	**.2508035**	**.0903567**
Stddev	.003457	.0000959	.0000604	.12650	.0003948	.0005434
%RSD	.2752149	2.003176	.5381989	.3318193	.1574091	.6014129
#1	1.255151	.0048476	.0112770	38.04479	.2508371	.0906180
#2	1.253525	.0048353	.0111568	38.05785	.2503931	.0897320
#3	1.260159	.0046757	.0112268	38.27014	.2511805	.0907201

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4013672**	**142.2187**	**9.343001**	**15.22701**	**.2058905**	**-.009489**
Stddev	.0006270	1.0409	.023562	.09116	.0001939	.000427
%RSD	.1562100	.7319150	.2521914	.5986606	.0941776	4.496221
#1	.4007101	141.5957	9.342756	15.15615	.2060831	-.009784
#2	.4019589	141.6400	9.319562	15.19504	.2058932	-.009684
#3	.4014327	143.4204	9.366684	15.32985	.2056953	-.009000

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4769992**	**.1487628**	**2.077033**	**8.615927**	F **14.02375**	**.6033391**
Stddev	.0641871	.0012078	.007716	.037645	.04865	.0051461
%RSD	13.45643	.8119247	.3715010	.4369237	.3468774	.8529278
#1	.5300744	.1492864	2.082194	8.592045	14.07142	.6006555
#2	.4952640	.1496205	2.068163	8.596414	13.97418	.6000895
#3	.4056592	.1473815	2.080743	8.659322	14.02565	.6092722

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-11 Acquired: 1/12/2025 8:40:48 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNA1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0130028	4.005957	F 15.88480	.0694937	.8549098	.0683931
Stddev	.0003256	.011489	.06712	.0009884	.0017195	.0016244
%RSD	2.503731	.2867913	.4225393	1.422285	.2011285	2.375071
#1	.0126316	4.002190	15.93147	.0706328	.8566660	.0670171
#2	.0132396	3.996824	15.91506	.0688618	.8548340	.0679771
#3	.0131374	4.018856	15.80788	.0689866	.8532296	.0701850

Elem	Sr4077
Units	ppm
Avg	.1530366
Stddev	.0016458
%RSD	1.075395
#1	.1518715
#2	.1523190
#3	.1549193

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3084.445	72972.68	10356.14	3396.493	3420.812
Stddev	4.740	338.37	46.79	19.519	4.514
%RSD	.1536598	.4636958	.4518033	.5746789	.1319457
#1	3086.808	72955.23	10302.15	3393.655	3425.244
#2	3078.989	73319.44	10384.81	3417.276	3420.970
#3	3087.539	72643.37	10381.47	3378.549	3416.222

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-12 Acquired: 1/12/2025 8:44:44 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNA2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1542985**	**-.004955**	**3.613804**	**.0350219**	**.0013586**	**61.95977**
Stddev	.0031247	.002083	.011314	.0042589	.0016462	.07668
%RSD	2.025108	42.04134	.3130748	12.16062	121.1683	.1237636
#1	.1512729	-.004029	3.618003	.0324855	.0012192	61.88929
#2	.1541089	-.003495	3.622419	.0326414	-.000213	62.04143
#3	.1575137	-.007340	3.600991	.0399388	.003070	61.94857

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.324188**	**.0053654**	**.0136603**	**44.98514**	**.2738466**	**.1026346**
Stddev	.002932	.0000159	.0000616	.02638	.0003215	.0002723
%RSD	.2213914	.2969019	.4505900	.0586402	.1173943	.2653527
#1	1.323763	.0053600	.0136187	45.00695	.2734811	.1024698
#2	1.327308	.0053529	.0136312	44.99264	.2739732	.1024850
#3	1.321491	.0053834	.0137310	44.95582	.2740855	.1029489

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4628163**	**164.5255**	**10.13847**	**17.31800**	**.2344530**	**-.012124**
Stddev	.0012926	.1520	.00849	.02975	.0007748	.000087
%RSD	.2792877	.0924111	.0837766	.1717588	.3304507	.7211713
#1	.4620624	164.3648	10.14822	17.30428	.2351673	-.012025
#2	.4643089	164.6671	10.13450	17.29760	.2345622	-.012191
#3	.4620777	164.5447	10.13268	17.35213	.2336294	-.012154

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5846359**	**.1692534**	**2.234692**	**8.433821**	F **19.28868**	**.6868354**
Stddev	.1651284	.0014004	.007564	.011349	.04424	.0005946
%RSD	28.24466	.8274062	.3384818	.1345698	.2293509	.0865666
#1	.7176298	.1695862	2.238529	8.444486	19.24141	.6861546
#2	.3998095	.1704574	2.239568	8.421893	19.32909	.6870988
#3	.6364685	.1677165	2.225978	8.435084	19.29554	.6872527

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-12 Acquired: 1/12/2025 8:44:44 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNA2 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0110372	3.639711	F 13.87857	.0742118	.8975593	.0792864
Stddev	.0001344	.010299	.05709	.0015138	.0036399	.0011344
%RSD	1.217510	.2829498	.4113803	2.039844	.4055329	1.430713
#1	.0111741	3.633514	13.92213	.0732285	.8990183	.0797657
#2	.0110322	3.651599	13.89965	.0734517	.9002434	.0801024
#3	.0109054	3.634019	13.81394	.0759550	.8934163	.0779910

Elem	Sr4077
Units	ppm
Avg	.1696365
Stddev	.0005715
%RSD	.3369068
#1	.1691528
#2	.1702671
#3	.1694895

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3113.919	74956.32	10475.78	3502.605	3326.749
Stddev	1.759	175.43	28.45	11.954	4.003
%RSD	.0564800	.2340472	.2715782	.3412809	.1203184
#1	3115.855	74983.95	10444.73	3497.996	3324.670
#2	3113.482	75116.29	10500.60	3493.642	3324.213
#3	3112.420	74768.71	10482.00	3516.177	3331.363

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-13 Acquired: 1/12/2025 8:48:39 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNA3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1286802**	**-.005810**	**1.252461**	**.0322895**	**-.001693**	**61.56431**
Stddev	.0030979	.001438	.001322	.0029063	.000526	.25527
%RSD	2.407466	24.74667	.1055446	9.000683	31.07623	.4146372
#1	.1322517	-.007374	1.253962	.0338619	-.002282	61.84869
#2	.1270690	-.005508	1.251947	.0289358	-.001527	61.35498
#3	.1267199	-.004547	1.251472	.0340709	-.001270	61.48925

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.046994**	**.0052330**	**.0104459**	**26.19547**	**.1518755**	**.1093879**
Stddev	.009833	.0000150	.0000176	.13748	.0003945	.0000305
%RSD	.9391922	.2869888	.1679940	.5248152	.2597602	.0278442
#1	1.057352	.0052265	.0104257	26.35283	.1515025	.1094114
#2	1.037787	.0052501	.0104549	26.13491	.1522885	.1093987
#3	1.045844	.0052222	.0104572	26.09867	.1518356	.1093535

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3235908**	**165.6054**	**10.48150**	**16.02922**	**.1895291**	**-.013211**
Stddev	.0004877	.6219	.08275	.03881	.0006412	.000323
%RSD	.1507194	.3755559	.7894471	.2421444	.3383020	2.446238
#1	.3236281	166.3055	10.57492	16.07356	.1888713	-.013147
#2	.3240588	165.1167	10.41741	16.01270	.1895636	-.013561
#3	.3230855	165.3941	10.45218	16.00140	.1901523	-.012924

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4280866**	**.1616450**	**1.244820**	**6.010940**	F **11.96703**	**.6804735**
Stddev	.1061885	.0018088	.005068	.018573	.04604	.0033246
%RSD	24.80538	1.119000	.4071608	.3089932	.3847282	.4885708
#1	.5299126	.1634458	1.246665	6.001065	11.95970	.6841315
#2	.4363312	.1616609	1.248707	5.999389	11.92511	.6776359
#3	.3180162	.1598283	1.239087	6.032364	12.01630	.6796530

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-13 Acquired: 1/12/2025 8:48:39 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNA3 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0075184	2.190742	F 18.01098	.0400506	.9544831	.0747310
Stddev	.0000474	.007241	.06671	.0006367	.0034957	.0016006
%RSD	.6307441	.3305135	.3703714	1.589859	.3662393	2.141862
#1	.0075670	2.185925	18.06525	.0395312	.9583987	.0760873
#2	.0074722	2.187232	18.03119	.0407610	.9533744	.0751403
#3	.0075158	2.199069	17.93651	.0398597	.9516762	.0729655

Elem	Sr4077
Units	ppm
Avg	.1132483
Stddev	.0003232
%RSD	.2854198
#1	.1136210
#2	.1130447
#3	.1130791

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3130.956	75926.09	10376.44	3511.664	3330.949
Stddev	3.269	237.41	49.80	10.277	7.908
%RSD	.1043958	.3126888	.4799275	.2926527	.2374179
#1	3127.182	75782.17	10385.47	3504.739	3322.970
#2	3132.877	75795.99	10322.75	3506.781	3338.784
#3	3132.809	76200.12	10421.12	3523.472	3331.092

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-14 Acquired: 1/12/2025 8:52:36 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNA4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1637898**	**-.004221**	**2.260362**	**.0374667**	**-.002278**	**69.13668**
Stddev	.0008396	.001338	.002706	.0011796	.001161	.52088
%RSD	.5126283	31.71104	.1197161	3.148486	50.96952	.7534113
#1	.1639187	-.002675	2.257455	.0363766	-.003448	69.69486
#2	.1628932	-.004986	2.260824	.0387191	-.002259	69.05164
#3	.1645575	-.005001	2.262808	.0373045	-.001126	68.66355

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.355451**	**.0059113**	**.0123111**	**34.90051**	**.2015082**	**.1164056**
Stddev	.012317	.0000429	.0001431	.22428	.0015508	.0001611
%RSD	.9086816	.7263837	1.162625	.6426146	.7696139	.1384016
#1	1.368083	.0059334	.0121799	35.13315	.2030793	.1165882
#2	1.354794	.0059387	.0122895	34.88270	.2014670	.1163449
#3	1.343476	.0058618	.0124637	34.68566	.1999784	.1162836

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4234606**	**174.7231**	**11.84928**	**17.42902**	**.2151687**	**-.011869**
Stddev	.0029757	1.2778	.09442	.12498	.0007215	.000420
%RSD	.7027110	.7313204	.7968570	.7170851	.3353075	3.536938
#1	.4210177	176.0121	11.94655	17.57042	.2145768	-.012050
#2	.4267747	174.7004	11.84329	17.38335	.2149569	-.011389
#3	.4225895	173.4568	11.75799	17.33331	.2159724	-.012169

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4935714**	**.1718225**	**1.815906**	**8.643063**	F **15.72253**	**.7295395**
Stddev	.0195830	.0024333	.011079	.089665	.03826	.0060212
%RSD	3.967611	1.416186	.6100878	1.037422	.2433134	.8253452
#1	.5152708	.1723373	1.827443	8.738286	15.72160	.7358257
#2	.4882302	.1739572	1.814925	8.630653	15.68475	.7289689
#3	.4772131	.1691729	1.805351	8.560248	15.76124	.7238239

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-14 Acquired: 1/12/2025 8:52:36 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNA4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0088282	3.019996	F 17.34489	.0676475	.9824850	.0860581
Stddev	.0002200	.008468	.06247	.0013228	.0046975	.0004519
%RSD	2.491902	.2804038	.3601460	1.955461	.4781251	.5251149
#1	.0087177	3.017997	17.32193	.0662869	.9793910	.0857637
#2	.0086855	3.012706	17.41559	.0677267	.9878903	.0865784
#3	.0090816	3.029285	17.29715	.0689290	.9801735	.0858323

Elem	Sr4077
Units	ppm
Avg	.1621656
Stddev	.0012229
%RSD	.7541104
#1	.1633892
#2	.1621641
#3	.1609434

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3202.806	74354.78	10683.23	3513.206	3339.180
Stddev	5.904	343.83	51.14	21.114	1.295
%RSD	.1843439	.4624193	.4787373	.6010001	.0387750
#1	3196.010	73966.96	10742.11	3488.939	3337.711
#2	3206.677	74475.10	10649.78	3523.295	3339.672
#3	3205.731	74622.29	10657.82	3527.383	3340.157

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-15 Acquired: 1/12/2025 8:56:31 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNA5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1111654**	**-.007606**	**.6315860**	**.0340262**	**-.003992**	**63.05279**
Stddev	.0015256	.001137	.0021841	.0006305	.001778	.02633
%RSD	1.372365	14.94152	.3458112	1.853054	44.52914	.0417569
#1	.1103797	-.007970	.6300128	.0347354	-.004803	63.07804
#2	.1129237	-.006332	.6306655	.0335290	-.001953	63.02550
#3	.1101929	-.008516	.6340796	.0338141	-.005219	63.05484

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8904893**	**.0050818**	**.0106536**	**20.77262**	**.1291649**	**.1192775**
Stddev	.0028773	.0000904	.0001730	.02683	.0002456	.0007411
%RSD	.3231175	1.779492	1.624214	.1291465	.1901273	.6213034
#1	.8937080	.0050899	.0106308	20.80153	.1289220	.1189040
#2	.8895931	.0051680	.0104930	20.76781	.1294131	.1187976
#3	.8881667	.0049876	.0108369	20.74853	.1291595	.1201311

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3063317**	**176.9929**	**14.18427**	**20.42573**	**.2108110**	**-.014499**
Stddev	.0013854	.1534	.02663	.01543	.0012265	.000222
%RSD	.4522455	.0866966	.1877630	.0755227	.5817865	1.534100
#1	.3049393	177.0969	14.21502	20.42550	.2100969	-.014251
#2	.3063459	176.8167	14.16918	20.41042	.2101089	-.014681
#3	.3077099	177.0652	14.16861	20.44126	.2122272	-.014565

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5700897**	**.1594641**	**.9104721**	**6.620822**	**8.334780**	**.7320988**
Stddev	.0731776	.0022284	.0021320	.033973	.021843	.0015344
%RSD	12.83615	1.397415	.2341600	.5131222	.2620709	.2095862
#1	.6498086	.1620359	.9083263	6.657642	8.322124	.7337501
#2	.5544923	.1581064	.9125899	6.614133	8.322215	.7307171
#3	.5059684	.1582501	.9105002	6.590692	8.360003	.7318292

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-15 Acquired: 1/12/2025 8:56:31 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNA5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0067271	1.127677	F 15.92339	.0222628	.8118936	.0834185
Stddev	.0002859	.006398	.01256	.0001836	.0030531	.0009728
%RSD	4.250675	.5673915	.0788860	.8245935	.3760474	1.166208
#1	.0070112	1.127161	15.93712	.0221053	.8153940	.0841072
#2	.0064394	1.121552	15.91247	.0224644	.8105064	.0823056
#3	.0067307	1.134317	15.92059	.0222187	.8097803	.0838426

Elem	Sr4077
Units	ppm
Avg	.0871474
Stddev	.0000627
%RSD	.0719563
#1	.0871010
#2	.0872187
#3	.0871224

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3427.353	80999.01	11363.13	3826.858	3313.608
Stddev	8.205	113.32	8.82	1.177	7.192
%RSD	.2393859	.1399069	.0775879	.0307474	.2170496
#1	3423.859	80868.71	11361.27	3825.503	3317.831
#2	3436.726	81053.75	11355.39	3827.628	3317.690
#3	3421.473	81074.57	11372.73	3827.441	3305.304

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-16 Acquired: 1/12/2025 9:00:27 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNA6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1431378**	**-.009017**	**.3576234**	**.0217889**	**-.004599**	**50.17681**
Stddev	.0004233	.001354	.0025659	.0009112	.001824	.44743
%RSD	.2957113	15.01519	.7174774	4.181951	39.66242	.8917149
#1	.1435904	-.007914	.3586636	.0209260	-.003769	50.29991
#2	.1430713	-.008608	.3595058	.0227418	-.003337	50.54980
#3	.1427517	-.010528	.3547007	.0216990	-.006690	49.68071

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6916910**	**.0046460**	**.0096068**	**238.2216**	**.1109453**	**.1026040**
Stddev	.0075423	.0000910	.0002306	2.0938	.0005189	.0006068
%RSD	1.090414	1.958585	2.399995	.8789295	.4676715	.5913990
#1	.6937471	.0045965	.0093630	238.3971	.1114208	.1025031
#2	.6979921	.0047510	.0096361	240.2222	.1103919	.1020540
#3	.6833339	.0045905	.0098213	236.0456	.1110232	.1032550

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1745507**	**137.0172**	**18.31922**	**21.79875**	**.1824995**	**-.010840**
Stddev	.0009340	1.3427	.16846	.22284	.0006736	.000560
%RSD	.5351175	.9799683	.9195706	1.022268	.3690778	5.165451
#1	.1756162	137.2393	18.33431	21.75892	.1819292	-.010195
#2	.1738729	138.2350	18.47962	22.03882	.1823265	-.011127
#3	.1741631	135.5772	18.14372	21.59851	.1832426	-.011198

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3158117**	**.1042947**	**.6324178**	**8.567433**	**6.284347**	**.5912953**
Stddev	.1830940	.0018225	.0006452	.078682	.009635	.0074519
%RSD	57.97567	1.747487	.1020213	.9183836	.1533173	1.260259
#1	.2245500	.1061679	.6331355	8.581944	6.292409	.5923651
#2	.1962854	.1025275	.6322317	8.637849	6.273676	.5981545
#3	.5265997	.1041885	.6318860	8.482505	6.286955	.5833664

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-16 Acquired: 1/12/2025 9:00:27 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNA6 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0143125	.7346265	F 15.05347	.0072543	.5940825	.0858376
Stddev	.0001824	.0068024	.03957	.0010645	.0017293	.0007007
%RSD	1.274357	.9259666	.2628728	14.67392	.2910951	.8163215
#1	.0141711	.7417605	15.00782	.0065021	.5939552	.0864923
#2	.0145184	.7339060	15.07461	.0084723	.5958719	.0850985
#3	.0142480	.7282130	15.07798	.0067886	.5924202	.0859220

Elem	Sr4077
Units	ppm
Avg	.1791193
Stddev	.0020901
%RSD	1.166882
#1	.1794935
#2	.1809971
#3	.1768674

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3032.904	70294.85	10297.99	3334.706	3172.122
Stddev	5.219	338.51	57.94	6.118	6.994
%RSD	.1720654	.4815504	.5626126	.1834677	.2204722
#1	3027.017	70384.37	10348.17	3335.214	3165.712
#2	3036.962	69920.59	10311.21	3328.349	3179.581
#3	3034.733	70579.60	10234.58	3340.554	3171.075

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-17 Acquired: 1/12/2025 9:04:24 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNA7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0887245**	**-.014481**	**.2762101**	**.0167631**	**-.003450**	**50.27045**
Stddev	.0032492	.002310	.0037104	.0037045	.001028	.29682
%RSD	3.662085	15.95338	1.343316	22.09903	29.78781	.5904453
#1	.0894626	-.016435	.2719344	.0163117	-.003879	50.60754
#2	.0851698	-.011931	.2785840	.0206725	-.002278	50.15559
#3	.0915412	-.015078	.2781119	.0133049	-.004195	50.04823

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9371294**	**.0045878**	**.0106005**	**740.7745**	**.0994095**	**.1066970**
Stddev	.0083450	.0000584	.0000666	3.2431	.0003556	.0002108
%RSD	.8904906	1.273050	.6277980	.4377939	.3577463	.1975500
#1	.9466265	.0046343	.0105244	743.8860	.0989997	.1066172
#2	.9337930	.0046069	.0106480	737.4142	.0996373	.1065378
#3	.9309688	.0045223	.0106291	741.0231	.0995916	.1069360

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4195770**	**148.1940**	**22.84766**	**51.06612**	**.2002800**	**-.010858**
Stddev	.0041689	.6941	.03872	.28324	.0006789	.000431
%RSD	.9935940	.4683655	.1694883	.5546571	.3389640	3.966010
#1	.4163887	148.9621	22.88318	51.35486	.1997568	-.010862
#2	.4180478	148.0079	22.85343	51.05479	.2000362	-.010425
#3	.4242946	147.6119	22.80638	50.78871	.2010472	-.011286

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6889798**	**.1049026**	**.7656848**	**7.793097**	**6.739489**	**.6407801**
Stddev	.0864352	.0015834	.0021694	.117931	.024639	.0027423
%RSD	12.54539	1.509419	.2833323	1.513280	.3655972	.4279628
#1	.5917071	.1067000	.7644713	7.928016	6.765242	.6438700
#2	.7182628	.1037134	.7643935	7.741616	6.716140	.6398348
#3	.7569696	.1042946	.7681894	7.709658	6.737083	.6386355

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-17 Acquired: 1/12/2025 9:04:24 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNA7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0045294	1.506558	F 14.21728	.0031759	.5360568	.0976899
Stddev	.0004000	.007806	.02989	.0004771	.0037060	.0005965
%RSD	8.831048	.5181591	.2102267	15.02256	.6913536	.6105902
#1	.0043681	1.497959	14.19379	.0029006	.5332241	.0983786
#2	.0049848	1.508518	14.25092	.0029003	.5346953	.0973399
#3	.0042352	1.513199	14.20714	.0037268	.5402511	.0973512

Elem	Sr4077
Units	ppm
Avg	.5087346
Stddev	.0025296
%RSD	.4972381
#1	.5116522
#2	.5073959
#3	.5071556

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2888.472	67595.07	10261.09	3203.932	2874.277
Stddev	3.871	83.10	61.49	5.216	4.874
%RSD	.1340266	.1229371	.5992266	.1628083	.1695875
#1	2885.460	67499.16	10326.60	3209.577	2872.125
#2	2887.117	67645.75	10252.05	3199.291	2879.857
#3	2892.839	67640.29	10204.63	3202.926	2870.849

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-18 Acquired: 1/12/2025 9:08:39 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNJ9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0712041	-.004434	.2842548	.0274823	-.002914	54.37287
Stddev	.0007453	.001887	.0015086	.0023956	.001872	.19600
%RSD	1.046779	42.55527	.5307104	8.716989	64.25477	.3604721
#1	.0703793	-.006352	.2839146	.0289882	-.001556	54.21539
#2	.0714036	-.002579	.2859044	.0287389	-.002137	54.59238
#3	.0718294	-.004371	.2829453	.0247198	-.005050	54.31084

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9032155	.0037084	.0093141	82.93243	.1201995	.0960061
Stddev	.0020724	.0000223	.0000614	.26511	.0000836	.0000921
%RSD	.2294503	.6014838	.6587948	.3196736	.0695311	.0958798
#1	.9011218	.0037196	.0093104	82.83082	.1201215	.0959372
#2	.9052659	.0036827	.0093772	83.23332	.1201894	.0959704
#3	.9032589	.0037229	.0092546	82.73315	.1202877	.0961106

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3478637	154.9346	10.48016	37.23071	.2268156	-.012336
Stddev	.0013744	.5656	.02542	.13333	.0005465	.000493
%RSD	.3950845	.3650892	.2425511	.3581052	.2409641	3.998235
#1	.3476300	154.4907	10.46325	37.17417	.2262000	-.012538
#2	.3466212	155.5715	10.50939	37.38299	.2272439	-.012695
#3	.3493399	154.7415	10.46783	37.13498	.2270028	-.011773

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.049571	.1255653	1.238212	6.745965	F 11.17656	.6606888
Stddev	.094332	.0008181	.004267	.045617	.01418	.0040655
%RSD	8.987721	.6515579	.3446000	.6762142	.1268899	.6153435
#1	1.044849	.1247853	1.239226	6.769979	11.18783	.6570194
#2	1.146175	.1254937	1.241880	6.774558	11.16063	.6650593
#3	.957688	.1264169	1.233529	6.693357	11.18121	.6599878

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-18 Acquired: 1/12/2025 9:08:39 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNJ9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024483	1.507845	F 15.53362	.0070292	.7500059	.0803905
Stddev	.0000976	.006953	.07988	.0010438	.0015709	.0011290
%RSD	3.986133	.4610955	.5142636	14.84967	.2094518	1.404456
#1	.0025415	1.506057	15.60617	.0071511	.7507364	.0798641
#2	.0024565	1.501962	15.44801	.0059298	.7482027	.0796208
#3	.0023468	1.515518	15.54667	.0080068	.7510785	.0816866

Elem	Sr4077
Units	ppm
Avg	.1565996
Stddev	.0006831
%RSD	.4362339
#1	.1559055
#2	.1572712
#3	.1566221

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3280.623	76075.78	11017.34	3584.003	3250.854
Stddev	6.767	208.12	50.22	7.757	5.287
%RSD	.2062786	.2735714	.4558506	.2164410	.1626273
#1	3277.098	76018.76	10966.66	3580.685	3252.988
#2	3288.425	75902.11	11067.09	3578.456	3254.741
#3	3276.347	76306.46	11018.27	3592.867	3244.834

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-19 Acquired: 1/12/2025 9:12:34 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1317132**	**-.004066**	**2.217426**	**.0295680**	**.0047256**	**50.33985**
Stddev	.0013164	.000663	.001042	.0023448	.0012018	.20090
%RSD	.9994194	16.30560	.0469755	7.930314	25.43077	.3990965
#1	.1330019	-.004497	2.217294	.0270274	.0035444	50.34865
#2	.1317668	-.003303	2.216457	.0300277	.0059470	50.13468
#3	.1303708	-.004398	2.218527	.0316490	.0046856	50.53620

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.170256**	**.0045060**	**.0102714**	**34.74668**	**.2254136**	**.0969330**
Stddev	.001689	.0001586	.0000581	.07076	.0005932	.0001052
%RSD	.1442930	3.520463	.5658785	.2036461	.2631558	.1085476
#1	1.170182	.0044881	.0103027	34.71609	.2247542	.0969576
#2	1.171980	.0046729	.0102043	34.69635	.2255830	.0968177
#3	1.168605	.0043571	.0103071	34.82758	.2259037	.0970238

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3692399**	**137.5743**	**8.895573**	**13.96641**	**.1820833**	**-.009792**
Stddev	.0014028	.5330	.011379	.04215	.0000705	.000250
%RSD	.3799160	.3874063	.1279143	.3018047	.0386900	2.554726
#1	.3701212	137.5138	8.895814	13.97650	.1820191	-.009744
#2	.3676222	137.0741	8.906829	13.92013	.1821587	-.010063
#3	.3699763	138.1349	8.884075	14.00260	.1820720	-.009570

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.015819**	**.1375906**	**1.907387**	**8.055239**	F **13.16492**	**.6970617**
Stddev	.105204	.0013466	.006271	.044977	.04739	.0031722
%RSD	10.35653	.9786693	.3287824	.5583625	.3599470	.4550802
#1	1.059044	.1389764	1.913737	8.094600	13.14284	.6954735
#2	1.092524	.1362871	1.907226	8.006215	13.13261	.6949973
#3	.895888	.1375084	1.901198	8.064901	13.21932	.7007143

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-19 Acquired: 1/12/2025 9:12:34 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0129287	3.716918	F 15.91776	.1285801	.8761574	.0604651
Stddev	.0002290	.016629	.08318	.0009836	.0037007	.0006156
%RSD	1.771233	.4473832	.5225705	.7649724	.4223757	1.018162
#1	.0128111	3.711393	15.98476	.1284548	.8755060	.0611221
#2	.0127823	3.703755	15.94386	.1296203	.8801406	.0599015
#3	.0131925	3.735606	15.82466	.1276651	.8728257	.0603716

Elem	Sr4077
Units	ppm
Avg	.1444378
Stddev	.0007910
%RSD	.5476703
#1	.1444040
#2	.1436641
#3	.1452451

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2997.679	70468.18	10056.08	3313.312	3376.967
Stddev	3.213	405.55	22.50	4.310	2.583
%RSD	.1071801	.5755023	.2237489	.1300927	.0764768
#1	2994.231	70768.84	10081.98	3314.235	3374.186
#2	3000.589	70628.76	10041.35	3317.086	3379.291
#3	2998.215	70006.93	10044.91	3308.615	3377.423

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-01 Acquired: 1/12/2025 9:16:29 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMP6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0574421**	**-.002464**	**.5484851**	**.0320074**	**-.001683**	**72.58691**
Stddev	.0018705	.000749	.0029572	.0016492	.001034	.41988
%RSD	3.256328	30.39999	.5391487	5.152400	61.45448	.5784504
#1	.0595737	-.003326	.5514904	.0334461	-.002674	73.07174
#2	.0566781	-.002099	.5483865	.0323685	-.000610	72.34528
#3	.0560745	-.001968	.5455786	.0302076	-.001764	72.34369

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5344200**	**.0039343**	**.0056895**	**27.10885**	**.1347851**	**.0755133**
Stddev	.0037140	.0001313	.0001469	.19035	.0009790	.0002914
%RSD	.6949658	3.336319	2.582926	.7021702	.7263342	.3858606
#1	.5387059	.0040859	.0055829	27.32689	.1355413	.0751769
#2	.5324084	.0038609	.0058571	27.02390	.1351348	.0756781
#3	.5321457	.0038562	.0056284	26.97577	.1336793	.0756850

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1543314**	**145.7887**	**5.853982**	**18.94895**	**.1881343**	**-.013866**
Stddev	.0012589	.9510	.053490	.10424	.0003194	.000280
%RSD	.8157009	.6523062	.9137414	.5500858	.1697901	2.018489
#1	.1557005	146.8589	5.915675	19.05688	.1878245	-.013910
#2	.1532239	145.4669	5.825712	18.94111	.1884626	-.013566
#3	.1540699	145.0404	5.820558	18.84885	.1881158	-.014121

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4340035**	**.1590813**	**.5840541**	**3.821904**	**9.533777**	**.5981538**
Stddev	.1558352	.0010562	.0023845	.050652	.025858	.0062523
%RSD	35.90644	.6639613	.4082620	1.325320	.2712288	1.045259
#1	.2713720	.1579326	.5843874	3.877938	9.506511	.6050497
#2	.5820115	.1593006	.5862545	3.779368	9.557949	.5965566
#3	.4486269	.1600107	.5815206	3.808404	9.536870	.5928550

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-01 Acquired: 1/12/2025 9:16:29 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMP6 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0055631	1.321815	F 17.38408	.0226769	.9256767	.0755172
Stddev	.0004082	.009244	.08115	.0004362	.0047479	.0012854
%RSD	7.338017	.6993291	.4668316	1.923394	.5129107	1.702160
#1	.0053747	1.313148	17.47715	.0225934	.9307939	.0769793
#2	.0052831	1.320754	17.34697	.0222886	.9248221	.0750078
#3	.0060315	1.331544	17.32812	.0231488	.9214142	.0745646

Elem	Sr4077
Units	ppm
Avg	.0681313
Stddev	.0004825
%RSD	.7081314
#1	.0686773
#2	.0679540
#3	.0677626

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2751.780	68167.80	9306.762	3171.175	3302.458
Stddev	.357	266.07	29.917	15.624	4.530
%RSD	.0129620	.3903225	.3214545	.4926899	.1371777
#1	2751.558	67937.92	9296.810	3162.410	3307.517
#2	2752.192	68106.20	9283.090	3161.901	3301.081
#3	2751.591	68459.27	9340.387	3189.214	3298.776

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-02 Acquired: 1/12/2025 9:20:27 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMP7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1007516**	**-.003764**	**.7034413**	**.0330652**	**-.002560**	**78.23887**
Stddev	.0030625	.000719	.0027606	.0006885	.000494	.38233
%RSD	3.039697	19.09541	.3924429	2.082119	19.30795	.4886649
#1	.1042780	-.004075	.7009374	.0331926	-.002972	77.98906
#2	.0992182	-.002942	.7064017	.0336811	-.002696	78.04855
#3	.0987587	-.004274	.7029846	.0323220	-.002012	78.67901

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8046367**	**.0047223**	**.0071957**	**115.2551**	**.1467352**	**.0902238**
Stddev	.0034199	.0000964	.0000785	.4843	.0002050	.0001767
%RSD	.4250203	2.040800	1.090846	.4202049	.1396806	.1958786
#1	.8015333	.0048331	.0072824	114.9518	.1467895	.0900748
#2	.8040737	.0046750	.0071295	114.9998	.1465085	.0904191
#3	.8083032	.0046587	.0071751	115.8136	.1469075	.0901775

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2889573**	**171.5977**	**8.222101**	**30.16688**	**.1900188**	**-.014893**
Stddev	.0020665	.6188	.027259	.11590	.0002509	.000150
%RSD	.7151756	.3606207	.3315278	.3841950	.1320350	1.005095
#1	.2900638	171.2099	8.198710	30.05813	.1898072	-.014740
#2	.2902349	171.2718	8.215558	30.15371	.1899531	-.014900
#3	.2865731	172.3113	8.252036	30.28881	.1902959	-.015039

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4652022**	**.1665153**	**.7687144**	**5.564693**	**6.816893**	**.7153041**
Stddev	.2873455	.0008140	.0011147	.013410	.019508	.0033913
%RSD	61.76788	.4888314	.1450015	.2409760	.2861749	.4741096
#1	.7434781	.1667812	.7696909	5.559942	6.800227	.7121658
#2	.4825549	.1656016	.7675000	5.554306	6.812102	.7148449
#3	.1695735	.1671630	.7689523	5.579832	6.838351	.7189017

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-02 Acquired: 1/12/2025 9:20:27 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMP7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053114	1.486815	F 17.29640	.0431082	.8162173	.0912499
Stddev	.0006321	.005678	.09087	.0018207	.0015896	.0004011
%RSD	11.90013	.3819088	.5253815	4.223614	.1947508	.4395693
#1	.0059155	1.481930	17.33885	.0450103	.8143853	.0916322
#2	.0053641	1.493045	17.35827	.0413816	.8172318	.0908323
#3	.0046547	1.485469	17.19206	.0429326	.8170347	.0912852

Elem	Sr4077
Units	ppm
Avg	.1448354
Stddev	.0005448
%RSD	.3761651
#1	.1443665
#2	.1447066
#3	.1454331

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2908.856	69741.37	9926.048	3244.836	3269.811
Stddev	1.333	85.26	53.111	8.000	10.431
%RSD	.0458332	.1222484	.5350633	.2465568	.3190026
#1	2907.411	69792.77	9906.294	3243.058	3281.379
#2	2910.037	69788.38	9885.646	3237.873	3261.122
#3	2909.121	69642.96	9986.205	3253.575	3266.931

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-03 Acquired: 1/12/2025 9:24:24 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMP8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0530135**	**-.003101**	**.1913164**	**.0174188**	**-.000385**	**51.59741**
Stddev	.0012909	.003281	.0024415	.0020438	.000731	.10896
%RSD	2.435056	105.8122	1.276166	11.73317	189.8498	.2111747
#1	.0545038	-.005100	.1929826	.0163283	-.000308	51.69699
#2	.0522946	.000686	.1885139	.0197765	.000304	51.48102
#3	.0522422	-.004888	.1924528	.0161516	-.001151	51.61421

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5856711**	**.0034855**	**.0051472**	**447.5247**	**.0971462**	**.0734813**
Stddev	.0010142	.0000620	.0000807	1.0877	.0003669	.0002374
%RSD	.1731689	1.778111	1.568121	.2430475	.3776533	.3230349
#1	.5857857	.0034428	.0051198	447.9554	.0968988	.0735449
#2	.5866232	.0035565	.0050837	448.3311	.0975677	.0736805
#3	.5846045	.0034570	.0052380	446.2876	.0969722	.0732187

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2551018**	**135.5664**	**7.196760**	**161.4976**	**.1463770**	**-.012492**
Stddev	.0019260	.2092	.006635	.1971	.0007211	.000411
%RSD	.7549790	.1543335	.0922004	.1220537	.4926254	3.292065
#1	.2568952	135.7995	7.202100	161.4591	.1471794	-.012096
#2	.2530662	135.3949	7.198849	161.3226	.1457832	-.012917
#3	.2553441	135.5048	7.189332	161.7111	.1461685	-.012462

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6762225**	**.1169116**	**.4635111**	**6.379572**	**5.153587**	**.5826890**
Stddev	.0735724	.0011558	.0021977	.057572	.006621	.0005510
%RSD	10.87991	.9885942	.4741364	.9024402	.1284782	.0945645
#1	.6115756	.1155774	.4653429	6.390917	5.152395	.5833106
#2	.6608126	.1176060	.4641162	6.317173	5.147643	.5822606
#3	.7562794	.1175515	.4610743	6.430627	5.160724	.5824957

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-03 Acquired: 1/12/2025 9:24:24 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMP8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032879	1.069743	F 13.53114	.0063866	.7597691	.0969329
Stddev	.0002458	.003368	.01672	.0010913	.0005829	.0011051
%RSD	7.474991	.3148607	.1235776	17.08704	.0767194	1.140096
#1	.0030042	1.067859	13.51190	.0051305	.7592037	.0981635
#2	.0034350	1.067739	13.54218	.0071012	.7597355	.0966098
#3	.0034246	1.073632	13.53934	.0069281	.7603680	.0960252

Elem	Sr4077
Units	ppm
Avg	.3568422
Stddev	.0013272
%RSD	.3719205
#1	.3580531
#2	.3554233
#3	.3570500

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2742.351	64557.25	9699.965	3026.085	2917.237
Stddev	3.962	97.92	41.510	10.987	5.489
%RSD	.1444585	.1516806	.4279447	.3630662	.1881445
#1	2738.859	64669.75	9745.658	3016.574	2913.551
#2	2741.540	64510.85	9689.659	3023.569	2914.616
#3	2746.656	64491.15	9664.579	3038.111	2923.545

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-04 Acquired: 1/12/2025 9:28:30 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMP9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0520319	-.005939	.2398780	.0195982	-.000115	56.96949
Stddev	.0005628	.000692	.0012733	.0002308	.000442	.15195
%RSD	1.081692	11.65163	.5308192	1.177855	383.7894	.2667218
#1	.0516739	-.005585	.2396882	.0194674	.000392	57.00199
#2	.0517412	-.006736	.2387102	.0194625	-.000327	56.80392
#3	.0526807	-.005495	.2412355	.0198648	-.000411	57.10256

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7391994	.0036749	.0061143	321.8331	.1188277	.0815686
Stddev	.0032420	.0001688	.0001146	2.7882	.0001686	.0003390
%RSD	.4385896	4.592363	1.873664	.8663496	.1419045	.4156438
#1	.7409113	.0038697	.0059869	323.9199	.1190019	.0813906
#2	.7354602	.0035736	.0062089	322.9129	.1188162	.0813556
#3	.7412266	.0035813	.0061472	318.6665	.1186652	.0819596

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2577990	143.4021	7.961415	52.14850	.1608054	-.012752
Stddev	.0008582	.2760	.020505	.08790	.0007652	.000271
%RSD	.3328983	.1924318	.2575546	.1685638	.4758484	2.122538
#1	.2568331	143.4980	7.968676	52.18030	.1611209	-.012952
#2	.2580903	143.0910	7.938267	52.04912	.1599329	-.012860
#3	.2584737	143.6173	7.977301	52.21607	.1613624	-.012444

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4703305	.1205431	.5397756	6.249670	5.526151	.6117212
Stddev	.1352740	.0003684	.0017242	.081025	.016058	.0006626
%RSD	28.76148	.3056119	.3194348	1.296463	.2905849	.1083196
#1	.5707752	.1208619	.5409394	6.297418	5.530317	.6124135
#2	.5237044	.1201398	.5405927	6.156117	5.508421	.6116571
#3	.3165118	.1206277	.5377947	6.295474	5.539716	.6110929

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-04 Acquired: 1/12/2025 9:28:30 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMP9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040331	.7008813	F 13.68474	.0089381	.7398887	.0996044
Stddev	.0002907	.0094009	.01276	.0001587	.0005656	.0004525
%RSD	7.208395	1.341290	.0932365	1.775851	.0764470	.4542931
#1	.0038376	.7057381	13.68394	.0087644	.7398210	.0996242
#2	.0043672	.6900455	13.67239	.0089745	.7393599	.0991424
#3	.0038945	.7068604	13.69788	.0090755	.7404851	.1000467

Elem	Sr4077
Units	ppm
Avg	.3209351
Stddev	.0010009
%RSD	.3118592
#1	.3211134
#2	.3198570
#3	.3218348

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2832.763	68347.38	9990.809	3195.079	2996.035
Stddev	3.126	143.30	26.499	5.059	9.848
%RSD	.1103615	.2096647	.2652361	.1583277	.3286961
#1	2829.729	68196.21	9979.904	3198.268	2991.587
#2	2835.974	68481.23	9971.501	3189.246	3007.322
#3	2832.585	68364.71	10021.02	3197.722	2989.196

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV005 Acquired: 1/12/2025 9:32:36 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV005 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.662851**	**4.749611**	**24.19990**	**4.724651**	**4.640977**	**387.0872**
Stddev	.015507	.022147	.03901	.018258	.015789	2.9512
%RSD	.3325744	.4662932	.1611870	.3864458	.3402044	.7624232
#1	4.655195	4.746053	24.15945	4.713846	4.625890	384.9864
#2	4.680698	4.773321	24.23729	4.745732	4.657385	385.8139
#3	4.652660	4.729458	24.20297	4.714376	4.639656	390.4614

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.837464**	**.4964458**	**2.439759**	**389.2133**	**15.30580**	**2.455370**
Stddev	.033208	.0025852	.002468	3.3470	.02255	.004187
%RSD	.3375704	.5207459	.1011767	.8599520	.1473181	.1705065
#1	9.870384	.4969088	2.438988	386.6591	15.33177	2.450553
#2	9.803975	.4987683	2.442520	387.9785	15.29451	2.458131
#3	9.838034	.4936604	2.437767	393.0023	15.29113	2.457426

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.62146**	**385.7824**	**14.76869**	**241.5183**	**2.448023**	**1.232674**
Stddev	.03435	1.7975	.08620	1.3112	.003506	.001131
%RSD	.2349366	.4659259	.5836973	.5429076	.1432260	.0917725
#1	14.58448	384.6412	14.68438	240.4240	2.444037	1.233320
#2	14.62752	384.8518	14.76500	241.1594	2.450631	1.233335
#3	14.65238	387.8544	14.85668	242.9717	2.449402	1.231368

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**393.4649**	**2.386367**	**15.84227**	**148.0644**	**4.842117**	F **5.864249**
Stddev	1.9157	.002927	.04442	.8849	.013196	.018039
%RSD	.4868675	.1226626	.2803575	.5976491	.2725171	.3076084
#1	391.2667	2.383012	15.88571	147.4145	4.830458	5.863734
#2	394.7773	2.387691	15.84417	147.7065	4.856442	5.882540
#3	394.3508	2.388398	15.79694	149.0722	4.839451	5.846473

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV005 Acquired: 1/12/2025 9:32:36 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV005 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.678524**	**4.848580**	**4.818000**	**4.831707**	**4.826068**	**4.726515**
Stddev	.012325	.026569	.032245	.005482	.021043	.033494
%RSD	.2634330	.5479651	.6692517	.1134495	.4360281	.7086461
#1	4.668784	4.828300	4.781296	4.826879	4.801796	4.694250
#2	4.692380	4.878656	4.841769	4.837665	4.839173	4.724180
#3	4.674408	4.838786	4.830934	4.830575	4.837237	4.761116

Elem	Sr4077
Units	ppm
Avg	**4.995455**
Stddev	.039094
%RSD	.7825878
#1	4.960464
#2	5.037650
#3	4.988252

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2012.260**	**50208.59**	**7694.098**	**2333.296**	**2713.954**
Stddev	5.177	61.43	28.450	3.843	1.957
%RSD	.2572781	.1223558	.3697670	.1646966	.0721165
#1	2013.275	50200.74	7686.738	2330.061	2713.597
#2	2006.651	50273.57	7670.051	2332.282	2712.200
#3	2016.854	50151.46	7725.505	2337.544	2716.065

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB005 Acquired: 1/12/2025 9:36:54 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB005 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000561**	**.0006543**	**.0006830**	**.0009270**	**-.001715**	**.0084538**	**-.002348**
Stddev	.000467	.0004316	.0003808	.0024757	.000311	.0147269	.000865
%RSD	83.11335	65.95830	55.75661	267.0661	18.11272	174.2033	36.85072
#1	-.000207	.0011523	.0002572	-.000602	-.001804	.0162088	-.002987
#2	-.001090	.0003895	.0009911	-.000400	-.001370	.0176827	-.002694
#3	-.000387	.0004211	.0008005	.003783	-.001972	-.008530	-.001363

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000116**	**.0001182**	**.0261370**	**.0003484**	**-.000002**	**-.000695**	**.0266423**
Stddev	.0001000	.0000359	.0030063	.0003938	.000201	.001586	.0065677
%RSD	859.9751	30.38711	11.50222	113.0254	10600.34	228.2643	24.65148
#1	.0001216	.0000971	.0275437	.0006304	.000087	-.001759	.0210894
#2	-.000013	.0001597	.0226852	-.000102	-.000232	.001128	.0249456
#3	-.000074	.0000979	.0281821	.000516	.000139	-.001453	.0338919

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006562**	**.0135835**	**-.000126**	**.0004103**	**-.030469**	**-.001923**	**.0006937**
Stddev	.0004038	.0181294	.000399	.0004256	.060753	.002170	.0002829
%RSD	61.54271	133.4663	317.1586	103.7461	199.3923	112.8394	40.77616
#1	.0011054	.0102334	.000324	.0006690	-.096821	-.004426	.0004316
#2	.0003232	.0331543	-.000438	-.000081	.022432	-.000563	.0009935
#3	.0005401	-.002637	-.000263	.000643	-.017018	-.000781	.0006559

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2071601**	**-.000936**	**.0016036**	**.0003847**	**-.001543**	**.0110889**	**-.000193**
Stddev	.0147878	.002252	.0014418	.0002454	.002334	.0088186	.000617
%RSD	7.138337	240.4977	89.91014	63.78665	151.2084	79.52675	318.8617
#1	.2118262	.000485	.0032265	.0004862	-.001450	.0009447	-.000024
#2	.2190520	.000238	.0011138	.0005631	-.003922	.0169290	-.000878
#3	.1906021	-.003532	.0004705	.0001049	.000742	.0153929	.000321

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB005 Acquired: 1/12/2025 9:36:54 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB005 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000038	.0002000	.0001673
Stddev	.000491	.0008103	.0000235
%RSD	1306.465	405.1621	14.06665
#1	-.000514	.0009634	.0001678
#2	-.000066	.0002869	.0001435
#3	.000467	-.000650	.0001905

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2516.869	59479.52	7938.621	2770.052	3583.788
Stddev	3.753	375.73	24.028	21.477	7.948
%RSD	.1491047	.6316910	.3026769	.7753251	.2217798
#1	2515.449	59773.22	7941.511	2782.901	3574.879
#2	2521.124	59056.13	7961.075	2745.258	3590.151
#3	2514.033	59609.22	7913.279	2781.998	3586.333

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-05 Acquired: 1/12/2025 9:41:03 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMQ7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1078922**	**-.000527**	**3.144226**	**.0339150**	**.0013058**	**61.27281**
Stddev	.0008663	.003969	.001271	.0009700	.0013712	.12041
%RSD	.8029073	753.2332	.0404237	2.860154	105.0057	.1965130
#1	.1079226	-.001796	3.143272	.0339337	.0028117	61.35590
#2	.1070111	-.003707	3.143738	.0329357	.0009765	61.32781
#3	.1087429	.003921	3.145669	.0348755	.0001293	61.13473

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.458930**	**.0052163**	**.0188279**	**50.27793**	**.1589431**	**.0844800**
Stddev	.006039	.0001190	.0001287	.11335	.0004871	.0004175
%RSD	.4139112	2.280773	.6836654	.2254434	.3064793	.4942487
#1	1.465274	.0053535	.0187531	50.39824	.1592895	.0840109
#2	1.453251	.0051549	.0187540	50.26239	.1591537	.0846184
#3	1.458266	.0051407	.0189765	50.17314	.1583861	.0848108

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5299156**	**142.9277**	**4.786946**	**17.19620**	**.2145786**	**-.012355**
Stddev	.0034897	.2439	.013272	.04885	.0005221	.000829
%RSD	.6585408	.1706233	.2772593	.2840601	.2433062	6.711366
#1	.5280352	143.1368	4.801021	17.25185	.2148203	-.011425
#2	.5277695	142.9866	4.774657	17.16040	.2139795	-.013015
#3	.5339423	142.6598	4.785162	17.17637	.2149361	-.012626

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5514885**	**.2138128**	**3.635867**	**9.315670**	**9.530117**	**.6145846**
Stddev	.1983180	.0015054	.003131	.016683	.012468	.0016434
%RSD	35.96050	.7040934	.0861043	.1790824	.1308310	.2673942
#1	.6912780	.2128855	3.638736	9.329486	9.529240	.6158633
#2	.6386740	.2130031	3.636336	9.320388	9.518110	.6151596
#3	.3245135	.2155498	3.632528	9.297137	9.543001	.6127310

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-05 Acquired: 1/12/2025 9:41:03 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMQ7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0100156	4.392220	F 14.74518	.1488250	.9014612	.0875295
Stddev	.0002114	.014594	.05966	.0013456	.0010734	.0006145
%RSD	2.110668	.3322756	.4046369	.9041603	.1190712	.7020194
#1	.0101473	4.376916	14.81193	.1489086	.9016866	.0880510
#2	.0097717	4.393761	14.69703	.1501269	.9002930	.0876854
#3	.0101277	4.405982	14.72659	.1474395	.9024040	.0868521

Elem	Sr4077
Units	ppm
Avg	.1898913
Stddev	.0005451
%RSD	.2870666
#1	.1902662
#2	.1901417
#3	.1892660

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2874.668	69390.09	9602.937	3179.574	3310.198
Stddev	3.010	118.33	1.154	3.958	3.208
%RSD	.1047228	.1705333	.0120223	.1244972	.0969272
#1	2877.370	69326.29	9604.000	3180.222	3313.747
#2	2875.211	69317.34	9603.103	3183.169	3309.344
#3	2871.423	69526.63	9601.709	3175.332	3307.502

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-06 Acquired: 1/12/2025 9:44:57 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMQ8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1064055**	**-.000504**	**3.124103**	**.0402000**	**.0032809**	**52.89893**
Stddev	.0033601	.002396	.007295	.0032038	.0010505	.31557
%RSD	3.157855	475.5337	.2335095	7.969764	32.01724	.5965494
#1	.1025256	.002255	3.127780	.0381160	.0022750	52.58601
#2	.1083597	-.002060	3.115701	.0385947	.0031970	53.21708
#3	.1083313	-.001707	3.128829	.0438891	.0043709	52.89369

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.419679**	**.0042428**	**.0192058**	**47.02665**	**.1540379**	**.0694393**
Stddev	.005271	.0002087	.0001292	.19864	.0005897	.0001574
%RSD	.3712583	4.919005	.6726500	.4223894	.3828391	.2267039
#1	1.415610	.0042102	.0192975	46.88948	.1547154	.0693208
#2	1.425633	.0040522	.0190581	47.25444	.1537589	.0696179
#3	1.417793	.0044658	.0192618	46.93603	.1536394	.0693793

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6008528**	**176.2553**	**4.583189**	**15.33011**	**.1936629**	**-.014163**
Stddev	.0015802	1.1754	.012759	.09470	.0003213	.000666
%RSD	.2629870	.6668637	.2783874	.6177270	.1659094	4.704897
#1	.5990326	175.1611	4.576898	15.25941	.1939838	-.014785
#2	.6018719	177.4978	4.597871	15.43770	.1933412	-.014243
#3	.6016541	176.1071	4.574796	15.29321	.1936638	-.013460

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4195252**	**.1959486**	**3.738504**	**6.547191**	**8.799607**	**.7407606**
Stddev	.3227557	.0016351	.003492	.059970	.039540	.0080288
%RSD	76.93358	.8344297	.0933989	.9159655	.4493389	1.083853
#1	.4259145	.1950578	3.735747	6.481031	8.831298	.7329117
#2	.7390388	.1978357	3.742430	6.597977	8.755298	.7489578
#3	.0936222	.1949525	3.737336	6.562567	8.812225	.7404122

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-06 Acquired: 1/12/2025 9:44:57 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMQ8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0094734	3.303799	F 14.66070	.1738472	.8266819	.0711335
Stddev	.0003948	.005219	.04856	.0004902	.0016369	.0003664
%RSD	4.167242	.1579652	.3312422	.2819613	.1980068	.5151516
#1	.0098292	3.299187	14.70020	.1741089	.8282530	.0715560
#2	.0095423	3.302745	14.60648	.1741511	.8249863	.0709035
#3	.0090487	3.309464	14.67541	.1732818	.8268064	.0709409

Elem	Sr4077
Units	ppm
Avg	.1719513
Stddev	.0014568
%RSD	.8471930
#1	.1704908
#2	.1734043
#3	.1719586

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2802.159	65764.95	9233.574	3070.471	3405.615
Stddev	10.063	150.62	51.885	.355	13.736
%RSD	.3591228	.2290332	.5619188	.0115645	.4033426
#1	2794.517	65751.66	9177.814	3070.783	3395.987
#2	2813.561	65621.41	9280.434	3070.546	3421.345
#3	2798.398	65921.78	9242.473	3070.084	3399.514

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-07 Acquired: 1/12/2025 9:48:52 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMQ9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1228936**	**.0001050**	**6.637996**	**.0380718**	**-.000018**	**60.68898**
Stddev	.0022158	.0014985	.041070	.0012237	.000873	.28459
%RSD	1.802991	1426.863	.6187036	3.214280	4804.675	.4689381
#1	.1254058	.0006520	6.620127	.0389804	-.000571	60.95036
#2	.1212176	.0012532	6.608888	.0366803	-.000471	60.38579
#3	.1220574	-.001590	6.684973	.0385546	.000988	60.73079

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.503317**	**.0046221**	**.0199375**	**36.34821**	**.1519136**	**.0780980**
Stddev	.008346	.0000876	.0002050	.09167	.0012732	.0007026
%RSD	.5552032	1.895989	1.028382	.2521930	.8380886	.8996329
#1	1.512170	.0045497	.0199584	36.43339	.1504656	.0775824
#2	1.495592	.0047195	.0197228	36.25120	.1524172	.0778133
#3	1.502189	.0045972	.0201312	36.36002	.1528578	.0788983

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5583308**	**153.0915**	**5.571929**	**15.39215**	**.1873002**	**-.010950**
Stddev	.0003403	.4893	.016818	.07602	.0009562	.000070
%RSD	.0609502	.3196018	.3018324	.4939169	.5104990	.6423790
#1	.5583294	153.5548	5.583121	15.46052	.1874473	-.010965
#2	.5586718	152.5798	5.552589	15.31028	.1862790	-.010873
#3	.5579912	153.1399	5.580077	15.40566	.1881743	-.011011

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4663771**	**.2003037**	**3.308819**	**7.440567**	**8.486351**	**.6479221**
Stddev	.1434746	.0014363	.005329	.052947	.057070	.0033817
%RSD	30.76364	.7170596	.1610603	.7116056	.6724866	.5219337
#1	.4385023	.2001673	3.312174	7.482200	8.484145	.6512106
#2	.6217436	.2018034	3.302674	7.380976	8.430416	.6444543
#3	.3388853	.1989405	3.311609	7.458525	8.544491	.6481016

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-07 Acquired: 1/12/2025 9:48:52 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMQ9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0082062	2.770287	F 14.25248	.1707618	.8597753	.0823427
Stddev	.0004605	.016925	.10553	.0009355	.0027175	.0002207
%RSD	5.611429	.6109577	.7404104	.5478574	.3160683	.2680765
#1	.0083870	2.759442	14.13148	.1696837	.8566698	.0824640
#2	.0076828	2.761630	14.30058	.1713597	.8617175	.0824762
#3	.0085489	2.789790	14.32540	.1712421	.8609385	.0820879

Elem	Sr4077
Units	ppm
Avg	.1671526
Stddev	.0011145
%RSD	.6667701
#1	.1682228
#2	.1659985
#3	.1672364

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2823.030	67135.44	9601.874	3175.588	3318.847
Stddev	7.070	231.06	102.757	6.051	16.568
%RSD	.2504514	.3441660	1.070174	.1905365	.4991989
#1	2824.221	67352.65	9720.481	3169.413	3328.757
#2	2829.429	67161.01	9539.710	3175.845	3328.063
#3	2815.440	66892.66	9545.430	3181.506	3299.721

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-08 Acquired: 1/12/2025 9:52:46 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMQ9D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1180950**	**-.000467**	**6.443665**	**.0342831**	**-.000211**	**59.89709**
Stddev	.0010063	.002123	.009525	.0023179	.002761	.36850
%RSD	.8521101	455.1100	.1478119	6.760908	1310.936	.6152148
#1	.1192153	-.002552	6.437283	.0335604	.001702	59.49342
#2	.1172676	.001692	6.454612	.0368762	.001042	59.98239
#3	.1178022	-.000540	6.439098	.0324127	-.003376	60.21545

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.477807**	**.0046363**	**.0193010**	**35.88248**	**.1497622**	**.0760826**
Stddev	.007196	.0000317	.0000892	.17004	.0002249	.0002819
%RSD	.4869109	.6843492	.4619999	.4738913	.1501647	.3704958
#1	1.469502	.0046308	.0193196	35.68759	.1497413	.0758378
#2	1.481762	.0046704	.0193794	35.95930	.1499968	.0760192
#3	1.482158	.0046076	.0192040	36.00057	.1495485	.0763908

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5520821**	**151.1698**	**5.464185**	**15.12973**	**.1817090**	**-.010773**
Stddev	.0014035	1.0003	.025826	.05882	.0006422	.000187
%RSD	.2542248	.6616886	.4726486	.3887826	.3534054	1.739516
#1	.5504615	150.0842	5.434762	15.06182	.1812242	-.010810
#2	.5529053	151.3711	5.474691	15.16486	.1814656	-.010939
#3	.5528795	152.0541	5.483103	15.16250	.1824373	-.010569

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5386651**	**.1984908**	**3.283502**	**7.310928**	**8.100015**	**.6390123**
Stddev	.2542901	.0009298	.001248	.093221	.008929	.0039334
%RSD	47.20745	.4684285	.0380205	1.275090	.1102287	.6155443
#1	.5714217	.1990226	3.282113	7.206119	8.107564	.6346224
#2	.2695840	.1990326	3.283859	7.384582	8.102322	.6401981
#3	.7749896	.1974172	3.284532	7.342081	8.090160	.6422164

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-08 Acquired: 1/12/2025 9:52:46 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMQ9D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0082612	2.629925	F 13.97453	.1647383	.8462674	.0795678
Stddev	.0002329	.004128	.02369	.0008900	.0019303	.0010565
%RSD	2.819035	.1569507	.1695395	.5402293	.2280927	1.327814
#1	.0082638	2.625572	13.94801	.1653377	.8441077	.0787387
#2	.0080271	2.633782	13.99361	.1637157	.8468702	.0792075
#3	.0084928	2.630421	13.98196	.1651615	.8478244	.0807574

Elem	Sr4077
Units	ppm
Avg	.1669707
Stddev	.0011203
%RSD	.6709712
#1	.1657978
#2	.1670845
#3	.1680298

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2892.500	67328.07	9605.141	3182.515	3427.969
Stddev	2.738	98.26	37.259	5.271	3.342
%RSD	.0946449	.1459382	.3879079	.1656255	.0975015
#1	2895.547	67409.14	9563.774	3180.040	3424.616
#2	2891.704	67356.27	9615.584	3178.936	3431.301
#3	2890.248	67218.79	9636.064	3188.568	3427.991

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-07LX5 Acquired: 1/12/2025 9:56:40 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMQ9L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0238064**	**.0004161**	**1.323620**	**.0083241**	**.0014610**	**13.14498**	**.3170880**
Stddev	.0012986	.0007690	.008065	.0012511	.0017607	.02993	.0026212
%RSD	5.454997	184.8231	.6093490	15.02967	120.5166	.2276697	.8266484
#1	.0242496	-.000310	1.314319	.0069657	.0034941	13.16639	.3173022
#2	.0248254	.000336	1.328681	.0094290	.0004477	13.11078	.3143663
#3	.0223442	.001222	1.327860	.0085776	.0004412	13.15776	.3195956

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011406**	**.0036655**	**7.988625**	**.0333043**	**.0150818**	**.1257584**	**33.80461**
Stddev	.0000358	.0000522	.025983	.0000700	.0001989	.0019956	.06303
%RSD	3.134364	1.423578	.3252556	.2102991	1.319036	1.586851	.1864631
#1	.0011059	.0036784	7.983997	.0332901	.0148710	.1280164	33.78531
#2	.0011773	.0037100	7.965266	.0333804	.0151080	.1242312	33.75348
#3	.0011387	.0036081	8.016611	.0332425	.0152663	.1250276	33.87504

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.224208**	**3.365750**	**.0362060**	**-.002434**	**.1618173**	**.0438024**	**.7551463**
Stddev	.001760	.006328	.0003963	.000161	.2707871	.0039493	.0026436
%RSD	.1437879	.1880094	1.094526	6.601111	167.3413	9.016087	.3500807
#1	1.225981	3.360471	.0357594	-.002262	-.055106	.0463846	.7578149
#2	1.224183	3.372765	.0363426	-.002581	.075256	.0392562	.7550959
#3	1.222461	3.364016	.0365158	-.002458	.465302	.0457665	.7525283

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.764935**	**1.618993**	**.1403198**	**.0018930**	**.5173568**	**3.173908**	**.0320682**
Stddev	.040496	.008906	.0003466	.0004245	.0035516	.007107	.0006603
%RSD	2.294461	.5501078	.2469786	22.42644	.6864907	.2239052	2.059003
#1	1.770790	1.609989	.1399638	.0015225	.5135658	3.179194	.0319503
#2	1.721831	1.627798	.1406561	.0018002	.5206070	3.165829	.0327795
#3	1.802185	1.619191	.1403393	.0023562	.5178976	3.176701	.0314748

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-07LX5 Acquired: 1/12/2025 9:56:40 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMQ9L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1910214	.0174516	.0368480
Stddev	.0011877	.0006244	.0001682
%RSD	.6217854	3.578065	.4564418
#1	.1910201	.0167482	.0368864
#2	.1922098	.0176661	.0366639
#3	.1898343	.0179405	.0369936

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2610.237	60103.12	8410.628	2865.282	3532.718
Stddev	17.064	197.58	67.496	15.705	21.475
%RSD	.6537163	.3287408	.8025122	.5481306	.6078983
#1	2624.172	59887.24	8352.137	2852.143	3552.299
#2	2591.206	60147.15	8395.267	2861.026	3509.751
#3	2615.333	60274.98	8484.481	2882.677	3536.105

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-09 Acquired: 1/12/2025 10:00:42 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMQ9S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1810301**	**.0993652**	**6.474095**	**.1806235**	**.1459430**	**62.77091**
Stddev	.0030855	.0024398	.004454	.0039600	.0009022	.11945
%RSD	1.704427	2.455378	.0687937	2.192386	.6181516	.1902993
#1	.1819943	.1021705	6.470182	.1845956	.1461968	62.90088
#2	.1775777	.0977385	6.478942	.1805990	.1449412	62.74590
#3	.1835185	.0981866	6.473161	.1766758	.1466911	62.66594

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.697438**	**.0903521**	**.1156782**	**35.87327**	**.5197549**	**1.046567**
Stddev	.060829	.0007808	.0002792	.16643	.0003449	.001325
%RSD	1.294947	.8641902	.2413365	.4639418	.0663628	.1265850
#1	4.767266	.0903182	.1156475	36.05963	.5196734	1.045136
#2	4.655945	.0895888	.1159714	35.82073	.5194580	1.047751
#3	4.669104	.0911493	.1154156	35.73945	.5201333	1.046814

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9643542**	**152.6060**	**6.299122**	**15.14014**	**1.156088**	**.0535908**
Stddev	.0069640	.3931	.034800	.02297	.001435	.0006066
%RSD	.7221430	.2575835	.5524627	.1517300	.1241178	1.131974
#1	.9662633	153.0567	6.339305	15.12553	1.155038	.0531970
#2	.9566348	152.4276	6.278944	15.12827	1.157723	.0532861
#3	.9701646	152.3338	6.279115	15.16662	1.155502	.0542894

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4453490**	**1.063768**	**4.168007**	**7.330297**	**8.157977**	**.6478323**
Stddev	.0192081	.008955	.008636	.038585	.013841	.0025973
%RSD	4.313052	.8417952	.2071988	.5263830	.1696580	.4009195
#1	.4327575	1.064323	4.168006	7.332347	8.146284	.6506607
#2	.4358320	1.054550	4.159371	7.290728	8.173258	.6472820
#3	.4674575	1.072433	4.176643	7.367817	8.154390	.6455544

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-09 Acquired: 1/12/2025 10:00:42 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMQ9S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0078316	2.652685	F 13.99205	.1648143	.8445050	.0804775
Stddev	.0003766	.001008	.15628	.0005865	.0076771	.0010197
%RSD	4.808364	.0380071	1.116889	.3558552	.9090639	1.267075
#1	.0077684	2.651713	14.03770	.1650392	.8490308	.0794290
#2	.0082358	2.653726	13.81803	.1652551	.8356409	.0805379
#3	.0074906	2.652615	14.12041	.1641487	.8488433	.0814657

Elem	Sr4077
Units	ppm
Avg	.1649962
Stddev	.0002065
%RSD	.1251686
#1	.1652136
#2	.1649724
#3	.1648026

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2866.825	67226.06	9658.428	3185.042	3390.322
Stddev	6.879	64.52	90.898	8.479	7.226
%RSD	.2399533	.0959698	.9411221	.2662280	.2131292
#1	2868.007	67280.16	9676.102	3192.945	3393.961
#2	2859.432	67154.65	9739.190	3186.095	3382.000
#3	2873.037	67243.36	9559.991	3176.085	3395.004

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-10 Acquired: 1/12/2025 10:04:39 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMR0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0883065**	**-.000342**	**1.927181**	**.0307273**	**-.001803**	**57.32016**
Stddev	.0018614	.001700	.009712	.0033765	.001464	.15494
%RSD	2.107906	497.5422	.5039676	10.98857	81.20835	.2702998
#1	.0884928	-.000224	1.919550	.0297116	-.003493	57.29330
#2	.0900678	.001296	1.923879	.0344951	-.000919	57.18041
#3	.0863590	-.002097	1.938114	.0279753	-.000997	57.48677

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.071444**	**.0041190**	**.0150220**	**38.52075**	**.1219444**	**.0746359**
Stddev	.002244	.0000786	.0000649	.16466	.0007770	.0003622
%RSD	.2093967	1.907437	.4321217	.4274575	.6371746	.4852397
#1	1.071920	.0041488	.0150871	38.57501	.1226440	.0744311
#2	1.069000	.0040298	.0149573	38.33580	.1220811	.0750540
#3	1.073411	.0041782	.0150216	38.65143	.1211081	.0744225

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3655607**	**129.6060**	**5.544762**	**15.21294**	**.1504544**	**-.008770**
Stddev	.0016726	.3500	.009423	.05409	.0006577	.000467
%RSD	.4575407	.2700363	.1699487	.3555405	.4371703	5.323422
#1	.3642060	129.6071	5.544524	15.20909	.1498442	-.008747
#2	.3650459	129.2554	5.535460	15.16088	.1503679	-.008315
#3	.3674302	129.9554	5.554302	15.26885	.1511511	-.009248

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4049080**	**.1522255**	**1.883382**	**7.830561**	**6.873986**	**.5520362**
Stddev	.0518899	.0003249	.007666	.039445	.012923	.0019360
%RSD	12.81524	.2134563	.4070374	.5037310	.1879992	.3506935
#1	.4215673	.1523827	1.889276	7.845890	6.882260	.5510523
#2	.3467344	.1518519	1.886154	7.785752	6.859094	.5507898
#3	.4464223	.1524419	1.874715	7.860040	6.880603	.5542665

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-10 Acquired: 1/12/2025 10:04:39 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMR0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0071035	2.237787	F 13.80031	.1692186	.8265828	.0691464
Stddev	.0002385	.013793	.00335	.0006362	.0010062	.0002856
%RSD	3.356888	.6163874	.0242666	.3759728	.1217251	.4129926
#1	.0069340	2.249434	13.80348	.1697108	.8260147	.0694745
#2	.0073761	2.222555	13.80066	.1685002	.8277445	.0690108
#3	.0070003	2.241371	13.79681	.1694448	.8259892	.0689539

Elem	Sr4077
Units	ppm
Avg	.1431060
Stddev	.0003835
%RSD	.2679995
#1	.1428399
#2	.1429326
#3	.1435456

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2864.175	66614.70	9630.782	3160.412	3398.978
Stddev	5.311	275.72	24.678	11.817	10.192
%RSD	.1854221	.4139100	.2562401	.3739081	.2998451
#1	2868.315	66452.08	9606.719	3146.946	3402.574
#2	2866.021	66933.06	9656.032	3165.241	3406.884
#3	2858.187	66458.97	9629.595	3169.050	3387.476

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-11 Acquired: 1/12/2025 10:08:34 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMR1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0652100**	**-.002140**	**.9348173**	**.0294708**	**-.001836**	**57.45294**
Stddev	.0001862	.000372	.0017409	.0011994	.002187	.06996
%RSD	.2855267	17.35996	.1862246	4.069613	119.1298	.1217628
#1	.0649950	-.002429	.9365412	.0289288	.000489	57.38430
#2	.0653186	-.001721	.9330599	.0286382	-.003852	57.45038
#3	.0653164	-.002270	.9348509	.0308455	-.002144	57.52414

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7204968**	**.0038987**	**.0088061**	**22.54629**	**.1066596**	**.0665828**
Stddev	.0010651	.0000133	.0000487	.00582	.0007637	.0002666
%RSD	.1478282	.3412410	.5529584	.0258194	.7160101	.4003766
#1	.7208494	.0039099	.0088180	22.54522	.1075357	.0667029
#2	.7213408	.0038840	.0087525	22.55258	.1061347	.0662773
#3	.7193001	.0039022	.0088477	22.54108	.1063084	.0667683

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2218291**	**131.8715**	**5.131508**	**16.95646**	**.1253722**	**-.010522**
Stddev	.0014054	.1149	.016738	.03168	.0005203	.000267
%RSD	.6335311	.0871027	.3261862	.1868056	.4149847	2.539959
#1	.2230563	131.7429	5.127070	16.99064	.1258888	-.010800
#2	.2202960	131.9075	5.150018	16.95064	.1248484	-.010267
#3	.2221351	131.9640	5.117436	16.92809	.1253793	-.010499

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3617166**	**.1399822**	**1.103801**	**5.533727**	**5.145024**	**.5502706**
Stddev	.2623064	.0011595	.001456	.006391	.018571	.0013294
%RSD	72.51710	.8282955	.1318707	.1154849	.3609592	.2415807
#1	.0826337	.1403615	1.105359	5.540808	5.146786	.5489809
#2	.3993307	.1409045	1.102476	5.531983	5.125634	.5516363
#3	.6031855	.1386806	1.103567	5.528389	5.162651	.5501946

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-11 Acquired: 1/12/2025 10:08:34 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMR1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054164	1.192556	F 13.62041	.0708837	.7452394	.0636990
Stddev	.0002788	.002225	.05075	.0012923	.0010519	.0006172
%RSD	5.148250	.1865869	.3726057	1.823149	.1411444	.9689950
#1	.0056576	1.194744	13.56246	.0708553	.7442576	.0638200
#2	.0054807	1.190296	13.64183	.0696057	.7463495	.0642467
#3	.0051111	1.192628	13.65693	.0721899	.7451112	.0630302

Elem	Sr4077
Units	ppm
Avg	.0953793
Stddev	.0000739
%RSD	.0774317
#1	.0953626
#2	.0953152
#3	.0954601

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3007.663	70507.56	10035.28	3329.143	3460.387
Stddev	7.592	64.30	14.75	4.274	6.919
%RSD	.2524312	.0911919	.1469654	.1283945	.1999583
#1	3010.066	70560.67	10038.09	3329.687	3457.831
#2	3013.764	70525.94	10048.42	3324.622	3468.221
#3	2999.160	70436.08	10019.33	3333.119	3455.109

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-12 Acquired: 1/12/2025 10:12:32 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMR3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0510607**	**-.005940**	**.1384324**	**.0357234**	**.0041507**	**86.12012**
Stddev	.0005267	.000432	.0005748	.0018881	.0012165	.21015
%RSD	1.031489	7.276575	.4152047	5.285277	29.30892	.2440219
#1	.0516542	-.005863	.1384126	.0355929	.0047328	85.87796
#2	.0506488	-.005552	.1390168	.0376734	.0049668	86.25477
#3	.0508791	-.006406	.1378678	.0339040	.0027525	86.22762

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8758273**	**.0041525**	**.0080159**	**17.02281**	**.1473464**	**.1010318**
Stddev	.0031679	.0000407	.0000672	.01594	.0004088	.0006191
%RSD	.3617052	.9805486	.8378635	.0936682	.2774393	.6127498
#1	.8737766	.0041371	.0079427	17.00653	.1477921	.1004290
#2	.8742294	.0041217	.0080306	17.03840	.1472582	.1010004
#3	.8794760	.0041987	.0080746	17.02350	.1469889	.1016660

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1775620**	**199.0737**	**9.467278**	**38.37029**	**.1821694**	**-.017674**
Stddev	.0006950	.1952	.020190	.03336	.0010936	.000389
%RSD	.3913982	.0980497	.2132656	.0869425	.6003353	2.200833
#1	.1767616	198.8516	9.461011	38.34708	.1810712	-.017623
#2	.1779120	199.1519	9.450964	38.35527	.1821786	-.017313
#3	.1780124	199.2177	9.489859	38.40852	.1832584	-.018086

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5616840**	**.2325275**	**.6209989**	**28.20171**	**4.321632**	**.8182132**
Stddev	.0828323	.0016390	.0010128	.06574	.031566	.0012752
%RSD	14.74713	.7048663	.1630926	.2330976	.7304238	.1558533
#1	.5311603	.2316059	.6214634	28.12597	4.304392	.8183396
#2	.4984448	.2344198	.6216962	28.24388	4.302440	.8194205
#3	.6554469	.2315567	.6198372	28.23529	4.358064	.8168795

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-12 Acquired: 1/12/2025 10:12:32 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMR3 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023643	.6887896	F 14.94134	.0370548	7.842416	.1123136
Stddev	.0002980	.0102757	.04283	.0010822	.014139	.0007420
%RSD	12.60435	1.491853	.2866756	2.920479	.1802869	.6606138
#1	.0027066	.6896760	14.95545	.0363588	7.840132	.1117596
#2	.0021626	.6780994	14.89324	.0383016	7.829558	.1120248
#3	.0022237	.6985934	14.97535	.0365040	7.857557	.1131566

Elem	Sr4077
Units	ppm
Avg	.0604024
Stddev	.0001357
%RSD	.2246115
#1	.0602951
#2	.0605549
#3	.0603572

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3341.183	78749.87	11271.36	3734.771	3212.140
Stddev	13.014	176.12	31.28	3.709	15.778
%RSD	.3894880	.2236469	.2775510	.0992995	.4911903
#1	3347.981	78624.78	11238.00	3738.264	3219.649
#2	3349.391	78673.55	11276.04	3735.170	3222.760
#3	3326.179	78951.28	11300.04	3730.879	3194.010

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-13 Acquired: 1/12/2025 10:16:30 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMR2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0453332**	**-.006902**	**.1994777**	**.0276869**	**-.004379**	**63.54127**
Stddev	.0009914	.000728	.0014516	.0014760	.001117	.21111
%RSD	2.186816	10.54239	.7277069	5.331196	25.50014	.3322342
#1	.0456049	-.007619	.1999079	.0260067	-.005663	63.41741
#2	.0461603	-.006923	.1978597	.0282796	-.003840	63.78503
#3	.0442343	-.006165	.2006656	.0287745	-.003634	63.42138

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7897110**	**.0045871**	**.0090970**	**27.31437**	**.1287538**	**.0904412**
Stddev	.0023508	.0001360	.0002057	.07684	.0005321	.0007192
%RSD	.2976747	2.964558	2.261584	.2813034	.4132902	.7952155
#1	.7891032	.0047227	.0092783	27.27629	.1291616	.0912241
#2	.7923059	.0045879	.0088734	27.40281	.1289479	.0898098
#3	.7877237	.0044507	.0091393	27.26402	.1281519	.0902897

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1767685**	**159.5666**	**7.542789**	**23.74081**	**.1993766**	**-.014149**
Stddev	.0009137	.5611	.016012	.06588	.0006085	.000400
%RSD	.5169099	.3516305	.2122797	.2774764	.3052029	2.829708
#1	.1771674	159.1181	7.551988	23.71616	.2000204	-.014478
#2	.1774150	160.1958	7.552080	23.81546	.1988109	-.014265
#3	.1757232	159.3859	7.524301	23.69082	.1992984	-.013703

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6005316**	**.1459206**	**.4781206**	**8.598947**	**9.456821**	**.6674381**
Stddev	.1918523	.0016497	.0016294	.064560	.063698	.0032703
%RSD	31.94707	1.130539	.3407900	.7507885	.6735707	.4899731
#1	.5081469	.1442543	.4793156	8.551906	9.511586	.6644801
#2	.4723505	.1475531	.4787817	8.672550	9.386917	.6709499
#3	.8210973	.1459544	.4762646	8.572383	9.471960	.6668843

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-13 Acquired: 1/12/2025 10:16:30 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMR2 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020744	.7368586	F 15.41526	.0137742	1.214128	.1054614
Stddev	.0001212	.0054439	.10506	.0008426	.004066	.0008323
%RSD	5.840487	.7387911	.6815083	6.117538	.3349079	.7892311
#1	.0021826	.7430003	15.53593	.0147024	1.218762	.1049765
#2	.0020970	.7326278	15.34418	.0130572	1.211156	.1064225
#3	.0019435	.7349478	15.36566	.0135630	1.212465	.1049852

Elem	Sr4077
Units	ppm
Avg	.0949446
Stddev	.0003604
%RSD	.3796138
#1	.0946301
#2	.0953379
#3	.0948657

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3683.883	86251.47	12058.04	4019.436	3359.510
Stddev	6.553	435.42	102.90	9.761	9.975
%RSD	.1778765	.5048236	.8533538	.2428447	.2969227
#1	3676.790	85819.95	11940.09	4009.924	3350.890
#2	3689.712	86243.76	12104.57	4018.958	3370.436
#3	3685.148	86690.69	12129.45	4029.428	3357.203

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-14 Acquired: 1/12/2025 10:20:26 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMS1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0861509**	**-.001568**	**2.285662**	**.0291030**	**.0005469**	**54.28896**
Stddev	.0014173	.002650	.000455	.0004680	.0014231	.25015
%RSD	1.645197	169.0630	.0199134	1.608083	260.1907	.4607744
#1	.0846177	.001322	2.286164	.0285828	-.001000	54.00037
#2	.0864216	-.002141	2.285546	.0294898	.000840	54.44397
#3	.0874133	-.003884	2.285277	.0292365	.001800	54.42253

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.035244**	**.0041934**	**.0091612**	**28.47889**	**.1526296**	**.0703576**
Stddev	.003016	.0001144	.0000492	.11922	.0011522	.0004684
%RSD	.2913702	2.726894	.5373169	.4186381	.7548670	.6657334
#1	1.032906	.0043135	.0091645	28.34123	.1519501	.0702302
#2	1.038648	.0041806	.0092087	28.54929	.1519788	.0699662
#3	1.034177	.0040859	.0091104	28.54614	.1539599	.0708766

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4029246**	**125.2023**	**4.855322**	**12.86775**	**.1386298**	**-.009527**
Stddev	.0029060	.7036	.019389	.08103	.0011930	.000325
%RSD	.7212377	.5619670	.3993390	.6297476	.8605755	3.406195
#1	.3996301	124.3918	4.832961	12.79729	.1372798	-.009894
#2	.4040198	125.5590	4.867462	12.84967	.1390674	-.009277
#3	.4051239	125.6561	4.865544	12.95630	.1395422	-.009410

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3608392**	**.1488538**	**1.663582**	**8.498271**	**7.609637**	**.5239440**
Stddev	.1486904	.0011188	.006722	.061996	.011085	.0040396
%RSD	41.20684	.7515977	.4040670	.7295083	.1456751	.7710068
#1	.2513090	.1490679	1.661236	8.429875	7.613729	.5192810
#2	.5301084	.1498500	1.658346	8.550771	7.618094	.5261703
#3	.3011001	.1476434	1.671162	8.514169	7.597087	.5263807

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-14 Acquired: 1/12/2025 10:20:26 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMS1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0083338	3.364880	F 15.06136	.0958511	.6738394	.0539224
Stddev	.0001232	.009834	.04017	.0011778	.0017482	.0016529
%RSD	1.477843	.2922575	.2666992	1.228730	.2594418	3.065282
#1	.0083521	3.363825	15.09985	.0952502	.6726297	.0541492
#2	.0084467	3.375199	15.06452	.0950949	.6758438	.0521679
#3	.0082025	3.355616	15.01970	.0972081	.6730447	.0554502

Elem	Sr4077
Units	ppm
Avg	.0968650
Stddev	.0007066
%RSD	.7294742
#1	.0960499
#2	.0972395
#3	.0973054

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2834.943	69783.06	9321.879	3239.139	3407.401
Stddev	4.825	260.52	33.979	7.255	5.867
%RSD	.1702133	.3733310	.3645077	.2239803	.1721963
#1	2839.511	69950.30	9290.553	3242.379	3413.368
#2	2829.896	69915.99	9358.001	3244.210	3407.199
#3	2835.421	69482.89	9317.083	3230.829	3401.638

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-15 Acquired: 1/12/2025 10:24:22 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMS2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0930236**	**-.001369**	**5.283892**	**.0302658**	**.0002608**	**62.63182**
Stddev	.0004601	.001011	.006509	.0017486	.0017820	.17386
%RSD	.4946446	73.81427	.1231829	5.777410	683.4175	.2775893
#1	.0931473	-.001221	5.289435	.0283177	.0014252	62.80977
#2	.0925143	-.002445	5.276725	.0307804	-.001791	62.62334
#3	.0934092	-.000441	5.285517	.0316994	.001148	62.46236

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.337489**	**.0046197**	**.0106528**	**36.93581**	**.1585026**	**.0769172**
Stddev	.011265	.0000581	.0001034	.12983	.0009038	.0002657
%RSD	.4819407	1.257548	.9704011	.3515014	.5701881	.3454043
#1	2.350382	.0045527	.0106506	37.03731	.1574725	.0771127
#2	2.332536	.0046534	.0105506	36.98061	.1591627	.0770241
#3	2.329548	.0046532	.0107573	36.78951	.1588725	.0766147

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4134178**	**146.6073**	**5.799491**	**17.47605**	**.1594090**	**-.010489**
Stddev	.0034411	.4316	.017455	.03143	.0002041	.000025
%RSD	.8323582	.2944198	.3009696	.1798438	.1280161	.2369227
#1	.4156188	146.9321	5.816804	17.45277	.1596182	-.010501
#2	.4094523	146.7723	5.799772	17.51180	.1593984	-.010461
#3	.4151822	146.1175	5.781898	17.46359	.1592105	-.010507

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3226487**	**.1673854**	**2.237585**	**8.329525**	**8.030625**	**.6222300**
Stddev	.1440921	.0010880	.006215	.103281	.020549	.0017265
%RSD	44.65913	.6500183	.2777363	1.239934	.2558878	.2774693
#1	.4711099	.1686417	2.244740	8.346278	8.053991	.6233269
#2	.3134719	.1667456	2.234480	8.423405	8.015367	.6231233
#3	.1833644	.1667690	2.233534	8.218892	8.022516	.6202399

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-15 Acquired: 1/12/2025 10:24:22 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMS2 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059276	3.087821	F 14.95568	.0794660	.7455505	.0624977
Stddev	.0002639	.010520	.01511	.0011302	.0014696	.0010520
%RSD	4.452515	.3406916	.1010148	1.422268	.1971123	1.683260
#1	.0056268	3.086985	14.94979	.0804658	.7471398	.0624708
#2	.0060351	3.077743	14.94441	.0782397	.7442409	.0635629
#3	.0061208	3.098734	14.97285	.0796925	.7452707	.0614594

Elem	Sr4077
Units	ppm
Avg	.1353124
Stddev	.0004847
%RSD	.3582445
#1	.1356277
#2	.1355553
#3	.1347542

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2877.490	66485.49	9463.697	3160.653	3440.323
Stddev	4.388	213.59	8.387	11.364	4.092
%RSD	.1524839	.3212546	.0886178	.3595421	.1189490
#1	2882.314	66381.68	9473.246	3147.664	3444.944
#2	2876.420	66343.66	9460.318	3165.535	3437.157
#3	2873.737	66731.14	9457.528	3168.760	3438.868

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-16 Acquired: 1/12/2025 10:28:17 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMS3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0809102	-.000942	1.287517	.0298990	.0001021	64.66066
Stddev	.0017422	.001707	.003938	.0027219	.0025334	.15483
%RSD	2.153247	181.0746	.3058404	9.103649	2480.413	.2394517
#1	.0789354	.001028	1.283952	.0324060	-.000809	64.53491
#2	.0822298	-.001931	1.291743	.0302872	-.001850	64.83359
#3	.0815655	-.001924	1.286854	.0270039	.002965	64.61348

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9098086	.0042251	.0082815	25.49668	.1299882	.0757049
Stddev	.0038231	.0000227	.0000512	.04076	.0008425	.0002752
%RSD	.4202100	.5375456	.6177896	.1598715	.6481231	.3635513
#1	.9101092	.0042480	.0083373	25.47409	.1297977	.0757995
#2	.9134726	.0042246	.0082368	25.54373	.1309096	.0753948
#3	.9058441	.0042026	.0082703	25.47221	.1292572	.0759204

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2668497	137.9338	5.433793	14.93966	.1202803	-.010174
Stddev	.0014949	.3467	.012571	.02195	.0002890	.000029
%RSD	.5602036	.2513780	.2313505	.1469327	.2402296	.2809327
#1	.2658855	137.6701	5.431839	14.95369	.1199684	-.010206
#2	.2685717	138.3265	5.447227	14.95093	.1203340	-.010165
#3	.2660919	137.8047	5.422313	14.91437	.1205387	-.010151

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2523663	.1471375	1.135192	6.599892	6.541726	.5791236
Stddev	.0689877	.0008338	.001015	.061874	.029402	.0021191
%RSD	27.33632	.5666549	.0894285	.9375026	.4494546	.3659163
#1	.2591795	.1479240	1.134721	6.539026	6.559886	.5789415
#2	.3176945	.1472251	1.136357	6.597924	6.557487	.5813279
#3	.1802248	.1462634	1.134498	6.662727	6.507803	.5771014

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-16 Acquired: 1/12/2025 10:28:17 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMS3 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0037855	1.377457	F 13.90852	.0466262	.5849514	.0584291
Stddev	.0001143	.014559	.05003	.0004807	.0015398	.0006431
%RSD	3.019246	1.056983	.3597341	1.030907	.2632373	1.100696
#1	.0038729	1.383531	13.85419	.0460767	.5834725	.0576870
#2	.0036562	1.387995	13.95271	.0469684	.5865456	.0587743
#3	.0038275	1.360843	13.91865	.0468336	.5848361	.0588258

Elem	Sr4077
Units	ppm
Avg	.0949992
Stddev	.0002281
%RSD	.2401236
#1	.0947917
#2	.0952434
#3	.0949624

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2761.275	65142.76	9286.760	3106.926	3358.918
Stddev	8.521	164.28	34.773	8.148	4.027
%RSD	.3085869	.2521826	.3744336	.2622467	.1198947
#1	2767.510	65305.12	9322.729	3109.212	3361.055
#2	2751.566	64976.63	9284.229	3097.879	3354.273
#3	2764.749	65146.54	9253.322	3113.686	3361.426

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-17 Acquired: 1/12/2025 10:32:14 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMS4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0895760**	**-.005538**	**.5251334**	**.0332797**	**-.004172**	**68.84333**
Stddev	.0006694	.001496	.0016410	.0005562	.001350	.08798
%RSD	.7472917	27.02270	.3124933	1.671243	32.36395	.1278012
#1	.0889336	-.007172	.5265607	.0338580	-.004065	68.77145
#2	.0902695	-.005206	.5254989	.0332324	-.002878	68.81709
#3	.0895250	-.004235	.5233404	.0327486	-.005572	68.94144

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7023147**	**.0046949**	**.0077524**	**35.80101**	**.1189185**	**.0944251**
Stddev	.0016501	.0001088	.0001076	.08288	.0000916	.0002642
%RSD	.2349554	2.317486	1.387282	.2314925	.0769819	.2798146
#1	.7041198	.0046209	.0077969	35.79874	.1188177	.0942897
#2	.7019403	.0046441	.0076297	35.71929	.1189414	.0942561
#3	.7008839	.0048198	.0078305	35.88500	.1189965	.0947296

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2802920**	**173.1635**	**6.923687**	**23.04325**	**.1569516**	**-.013661**
Stddev	.0004791	.3911	.016479	.06167	.0005654	.000291
%RSD	.1709101	.2258330	.2380035	.2676228	.3602268	2.132179
#1	.2804785	172.9474	6.936530	23.00443	.1563791	-.013953
#2	.2797478	172.9281	6.905107	23.01096	.1575096	-.013659
#3	.2806498	173.6149	6.929425	23.11436	.1569660	-.013371

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3893869**	**.1498588**	**.7328128**	**6.246744**	**5.847447**	**.7238026**
Stddev	.1613315	.0010804	.0031010	.033543	.015043	.0023651
%RSD	41.43219	.7209447	.4231691	.5369731	.2572490	.3267546
#1	.3176160	.1503122	.7295154	6.267373	5.859989	.7228043
#2	.5741500	.1486255	.7356705	6.208040	5.851583	.7221005
#3	.2763946	.1506386	.7332524	6.264820	5.830769	.7265032

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-17 Acquired: 1/12/2025 10:32:14 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMS4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0039503	1.043285	F 13.99289	.0464728	.4955834	.0723152
Stddev	.0002414	.004290	.07587	.0007710	.0010225	.0004776
%RSD	6.109763	.4111841	.5421774	1.659039	.2063165	.6604372
#1	.0037955	1.047663	14.07937	.0456975	.4967401	.0728392
#2	.0038271	1.043102	13.93753	.0472395	.4948003	.0722023
#3	.0042284	1.039090	13.96178	.0464815	.4952097	.0719042

Elem	Sr4077
Units	ppm
Avg	.0938380
Stddev	.0003582
%RSD	.3817009
#1	.0934787
#2	.0938403
#3	.0941950

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3247.531	74853.43	10783.73	3572.174	3400.379
Stddev	4.222	31.42	33.31	6.505	5.065
%RSD	.1300144	.0419700	.3089241	.1821059	.1489529
#1	3243.036	74858.04	10747.05	3576.408	3394.549
#2	3251.413	74819.97	10792.02	3564.684	3403.700
#3	3248.144	74882.29	10812.11	3575.431	3402.887

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-18 Acquired: 1/12/2025 10:36:11 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMS5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0813049**	**-.007368**	**.1877685**	**.0305738**	**-.003298**	**61.72631**
Stddev	.0008381	.001813	.0005739	.0001840	.001450	.42850
%RSD	1.030811	24.60389	.3056398	.6016868	43.97711	.6941886
#1	.0822685	-.009144	.1876436	.0304755	-.004870	61.81376
#2	.0809004	-.005521	.1883945	.0307860	-.003011	61.26084
#3	.0807457	-.007438	.1872673	.0304599	-.002012	62.10434

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.122822**	**.0054482**	**.0098586**	**43.18487**	**.1120775**	**.1184678**
Stddev	.013783	.0000370	.0001277	.35047	.0005191	.0002381
%RSD	1.227542	.6789020	1.295060	.8115530	.4631964	.2009957
#1	1.122834	.0054139	.0097518	43.24038	.1125548	.1184699
#2	1.109033	.0054874	.0098240	42.80996	.1121529	.1182287
#3	1.136599	.0054433	.0100000	43.50427	.1115247	.1187049

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2113384**	**164.7329**	**16.89171**	**20.55411**	**.2140212**	**-.011691**
Stddev	.0014974	1.1097	.08681	.10139	.0001659	.000451
%RSD	.7085497	.6736069	.5139449	.4932883	.0774967	3.860500
#1	.2101811	164.9795	16.91055	20.54702	.2141834	-.011409
#2	.2130296	163.5207	16.79702	20.45645	.2138519	-.012211
#3	.2108044	165.6985	16.96756	20.65886	.2140284	-.011452

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4666898**	**.1247007**	**.4752701**	**6.376894**	**5.015360**	**.6897511**
Stddev	.0924526	.0022992	.0004232	.086476	.005547	.0066660
%RSD	19.81028	1.843742	.0890500	1.356082	.1106023	.9664396
#1	.3600326	.1224221	.4752393	6.335097	5.010595	.6908025
#2	.5160624	.1270199	.4757079	6.319258	5.014035	.6826219
#3	.5239745	.1246599	.4748631	6.476328	5.021449	.6958290

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-18 Acquired: 1/12/2025 10:36:11 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMS5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0029828	.9833814	F 13.31874	.0049728	.4516129	.0714279
Stddev	.0001323	.0048182	.04070	.0017184	.0018678	.0011917
%RSD	4.434704	.4899672	.3055494	34.55593	.4135896	1.668425
#1	.0031264	.9783322	13.28565	.0042357	.4494611	.0713798
#2	.0029559	.9838826	13.30637	.0037460	.4525621	.0702610
#3	.0028660	.9879295	13.36418	.0069368	.4528154	.0726430

Elem	Sr4077
Units	ppm
Avg	.0879764
Stddev	.0006713
%RSD	.7630543
#1	.0882745
#2	.0872077
#3	.0884470

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3466.643	80981.82	11644.08	3843.869	3331.758
Stddev	.820	294.82	100.17	4.413	3.584
%RSD	.0236582	.3640525	.8602946	.1148075	.1075792
#1	3465.699	80654.42	11604.30	3846.909	3335.704
#2	3467.050	81226.29	11569.91	3838.807	3330.867
#3	3467.180	81064.75	11758.04	3845.891	3328.704

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-19 Acquired: 1/12/2025 10:40:14 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMS6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1006570**	**-.008992**	**.2009472**	**.0378226**	**-.004460**	**59.14204**
Stddev	.0020582	.000574	.0015761	.0010090	.001875	.28924
%RSD	2.044792	6.379977	.7843368	2.667670	42.05348	.4890617
#1	.0985373	-.009538	.2023902	.0381811	-.006611	59.04629
#2	.1007862	-.008394	.2011862	.0386034	-.003601	58.91282
#3	.1026476	-.009044	.1992653	.0366833	-.003167	59.46702

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.297757**	**.0050403**	**.0093702**	**40.60271**	**.1259685**	**.1478745**
Stddev	.004083	.0001005	.0000461	.15092	.0004043	.0003589
%RSD	.3146303	1.993463	.4922122	.3717095	.3209353	.2426802
#1	1.299187	.0050870	.0094219	40.47825	.1261899	.1479110
#2	1.293152	.0051090	.0093551	40.55929	.1262137	.1474988
#3	1.300933	.0049250	.0093335	40.77058	.1255019	.1482137

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2436238**	**201.0580**	**12.68800**	**22.00112**	**.2144438**	**-.014292**
Stddev	.0029957	1.0718	.03556	.16212	.0003681	.000284
%RSD	1.229634	.5330997	.2802738	.7368853	.1716362	1.987684
#1	.2449893	200.4236	12.68427	21.86319	.2146128	-.014603
#2	.2401886	200.4548	12.65446	21.96046	.2140216	-.014228
#3	.2456933	202.2955	12.72529	22.17970	.2146971	-.014046

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5083800**	**.1317252**	**.5253992**	**6.545035**	**7.432861**	**.8370033**
Stddev	.0463784	.0017759	.0019059	.036820	.006783	.0054684
%RSD	9.122779	1.348182	.3627513	.5625603	.0912558	.6533353
#1	.5506640	.1330881	.5250660	6.544800	7.430971	.8344926
#2	.4587774	.1297169	.5274498	6.581972	7.427223	.8332410
#3	.5156986	.1323707	.5236819	6.508334	7.440388	.8432762

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-19 Acquired: 1/12/2025 10:40:14 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMS6 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014861	.7006321	F 14.66625	.0058366	.6916698	.0698099
Stddev	.0002409	.0024255	.00786	.0015750	.0003873	.0003280
%RSD	16.20947	.3461940	.0535604	26.98389	.0559979	.4698767
#1	.0015934	.6983538	14.67489	.0075823	.6919595	.0696618
#2	.0012102	.7003605	14.66431	.0054054	.6918200	.0695821
#3	.0016547	.7031821	14.65954	.0045222	.6912298	.0701859

Elem	Sr4077
Units	ppm
Avg	.1098419
Stddev	.0007220
%RSD	.6573468
#1	.1095822
#2	.1092856
#3	.1106579

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3548.750	84706.56	12071.93	3982.799	3272.752
Stddev	5.237	84.33	27.40	6.243	2.918
%RSD	.1475712	.0995529	.2269335	.1567548	.0891568
#1	3550.326	84677.15	12054.79	3980.501	3272.854
#2	3553.018	84801.66	12057.49	3978.031	3275.618
#3	3542.906	84640.88	12103.53	3989.866	3269.785

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-20 Acquired: 1/12/2025 10:44:11 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMS7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0304407**	**-.007765**	**.0763459**	**-.004457**	**.0043977**	**24.67833**
Stddev	.0030332	.001554	.0015646	.000779	.0007853	.10153
%RSD	9.964403	20.01433	2.049371	17.48879	17.85578	.4114329
#1	.0328742	-.008120	.0760941	-.005343	.0047256	24.78976
#2	.0314055	-.009110	.0749224	-.004151	.0035017	24.59105
#3	.0270424	-.006064	.0780211	-.003877	.0049659	24.65418

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2423988**	**.0019093**	**.0024347**	F **2049.570**	**.0503271**	**.0248265**
Stddev	.0011449	.0000906	.0000277	3.882	.0005537	.0007599
%RSD	.4723327	4.745413	1.135490	.1894264	1.100265	3.060995
#1	.2436125	.0018189	.0024595	2051.516	.0500299	.0256939
#2	.2413380	.0019090	.0024398	2045.099	.0509660	.0245074
#3	.2422459	.0020001	.0024049	2052.094	.0499854	.0242781

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1148797**	**78.40214**	**5.412680**	**424.6541**	**.0576441**	**-.008029**
Stddev	.0017842	.30782	.016259	1.2608	.0006098	.000248
%RSD	1.553077	.3926118	.3003796	.2969050	1.057874	3.083088
#1	.1169377	78.71878	5.430700	425.6938	.0578524	-.008000
#2	.1137689	78.10398	5.399109	423.2517	.0581224	-.007796
#3	.1139325	78.38365	5.408231	425.0167	.0569574	-.008289

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5381554**	**.0641177**	**.2422254**	**5.052435**	**3.376998**	**.3579370**
Stddev	.0724741	.0019679	.0005441	.028869	.012618	.0005857
%RSD	13.46714	3.069189	.2246263	.5713851	.3736390	.1636394
#1	.5720139	.0647026	.2426022	5.083505	3.388880	.3579936
#2	.5875035	.0657268	.2416016	5.026441	3.363755	.3573251
#3	.4549487	.0619236	.2424723	5.047359	3.378360	.3584924

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-20 Acquired: 1/12/2025 10:44:11 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMS7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019077	.9444111	9.040034	-.001855	.2156369	.0823775
Stddev	.0001323	.0039531	.017019	.001008	.0017092	.0003015
%RSD	6.935281	.4185738	.1882619	54.33421	.7926351	.3660097
#1	.0019266	.9473202	9.043831	-.001709	.2176045	.0823886
#2	.0017669	.9460028	9.054834	-.000928	.2145198	.0826734
#3	.0020295	.9399103	9.021438	-.002928	.2147863	.0820707

Elem	Sr4077
Units	ppm
Avg	.9474904
Stddev	.0050145
%RSD	.5292371
#1	.9532691
#2	.9442849
#3	.9449171

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2321.416	54266.60	8458.147	2518.335	2576.704
Stddev	1.068	94.73	33.551	8.388	3.206
%RSD	.0460195	.1745722	.3966650	.3330758	.1244234
#1	2321.004	54298.47	8495.140	2516.472	2574.251
#2	2322.629	54341.28	8429.686	2527.498	2580.332
#3	2320.615	54160.04	8449.615	2511.036	2575.530

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-21 Acquired: 1/12/2025 10:48:19 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMT8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0597357	-.002948	.6905385	.0185016	-.000574	38.96902
Stddev	.0018988	.000797	.0004762	.0014245	.002545	.17500
%RSD	3.178739	27.02622	.0689573	7.699212	443.5968	.4490680
#1	.0611083	-.003501	.6901812	.0170710	-.003450	38.97284
#2	.0575686	-.002035	.6910791	.0199198	.001387	39.14208
#3	.0605300	-.003309	.6903553	.0185140	.000342	38.79214

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4296928	.0028131	.0051392	53.45223	.0960064	.0482091
Stddev	.0027546	.0001119	.0000537	.33692	.0004090	.0000954
%RSD	.6410514	3.978077	1.044718	.6303107	.4260299	.1978526
#1	.4309036	.0026995	.0051779	53.54946	.0964015	.0482070
#2	.4316346	.0028166	.0051618	53.72984	.0960330	.0481149
#3	.4265403	.0029232	.0050779	53.07739	.0955848	.0483056

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1618850	90.57428	5.739983	15.59535	.1168100	-.006945
Stddev	.0012558	.49931	.033386	.07425	.0003451	.000571
%RSD	.7757383	.5512703	.5816410	.4761112	.2954613	8.228340
#1	.1604821	90.52926	5.749028	15.58762	.1168055	-.006868
#2	.1622690	91.09458	5.767915	15.67317	.1171573	-.006415
#3	.1629040	90.09901	5.703006	15.52527	.1164671	-.007551

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4065087	.1015286	.8786103	5.829291	6.819332	.3941472
Stddev	.0652071	.0018110	.0029516	.089714	.008958	.0030578
%RSD	16.04076	1.783718	.3359367	1.539025	.1313548	.7757970
#1	.4740682	.0994386	.8759217	5.753674	6.829188	.3947115
#2	.4015169	.1025126	.8817685	5.928420	6.811686	.3968836
#3	.3439409	.1026345	.8781406	5.805778	6.817123	.3908466

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-21 Acquired: 1/12/2025 10:48:19 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMT8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0061991	3.814952	F 12.24750	.0194834	.6677561	.0361038
Stddev	.0002716	.014353	.04114	.0002302	.0025423	.0010310
%RSD	4.381357	.3762255	.3358890	1.181664	.3807244	2.855656
#1	.0060724	3.824954	12.29484	.0192214	.6694294	.0350214
#2	.0065109	3.821396	12.22718	.0196533	.6690083	.0362157
#3	.0060140	3.798507	12.22046	.0195756	.6648306	.0370743

Elem	Sr4077
Units	ppm
Avg	.1020269
Stddev	.0005451
%RSD	.5342272
#1	.1020000
#2	.1025849
#3	.1014958

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2794.607	66442.55	9352.798	3098.458	3376.660
Stddev	4.993	141.69	29.207	13.184	1.586
%RSD	.1786814	.2132466	.3122846	.4254952	.0469642
#1	2800.126	66481.10	9345.312	3107.051	3378.380
#2	2790.403	66285.57	9385.020	3083.279	3375.256
#3	2793.293	66560.97	9328.063	3105.044	3376.344

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-22 Acquired: 1/12/2025 10:52:15 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMT9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0685742**	**-.002460**	**.7978499**	**.0250950**	**.0003112**	**43.60162**
Stddev	.0021995	.000716	.0030479	.0021807	.0007034	.17038
%RSD	3.207479	29.10416	.3820088	8.689600	226.0516	.3907583
#1	.0662188	-.003017	.7945971	.0225806	.0002215	43.40538
#2	.0689291	-.001652	.7983126	.0262356	.0010550	43.68763
#3	.0705746	-.002712	.8006399	.0264687	-.000343	43.71185

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4504688**	**.0030346**	**.0055788**	**36.19708**	**.0894214**	**.0533666**
Stddev	.0014655	.0000539	.0000645	.09585	.0001561	.0003963
%RSD	.3253252	1.774924	1.157009	.2648038	.1745134	.7425256
#1	.4487804	.0029775	.0055900	36.08817	.0894656	.0531655
#2	.4512154	.0030416	.0055094	36.23445	.0895506	.0531111
#3	.4514106	.0030845	.0056371	36.26862	.0892480	.0538230

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1722637**	**99.83871**	**6.190941**	**13.95167**	**.1277554**	**-.007572**
Stddev	.0006312	.37867	.010117	.03823	.0004623	.000198
%RSD	.3664062	.3792798	.1634161	.2740074	.3618888	2.616101
#1	.1719976	99.41298	6.180415	13.91735	.1281286	-.007353
#2	.1729844	99.96522	6.191817	13.94478	.1272382	-.007738
#3	.1718092	100.1379	6.200592	13.99287	.1278993	-.007626

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4702532**	**.1119718**	**.7970688**	**5.091473**	**6.333236**	**.4274266**
Stddev	.1359278	.0012808	.0021334	.067548	.005745	.0019123
%RSD	28.90523	1.143862	.2676624	1.326690	.0907126	.4473953
#1	.3910411	.1128425	.7967719	5.013562	6.339513	.4254650
#2	.6272067	.1125718	.7950993	5.133607	6.331958	.4275294
#3	.3925117	.1105012	.7993351	5.127251	6.328238	.4292854

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-22 Acquired: 1/12/2025 10:52:15 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMT9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056869	3.113010	F 12.40913	.0243972	.7136069	.0398992
Stddev	.0004634	.016478	.03780	.0001817	.0016508	.0012171
%RSD	8.148921	.5293184	.3045870	.7445467	.2313306	3.050327
#1	.0052947	3.099597	12.45185	.0242452	.7138499	.0397220
#2	.0055677	3.108031	12.39550	.0243479	.7151227	.0387805
#3	.0061982	3.131403	12.38004	.0245984	.7118481	.0411952

Elem	Sr4077
Units	ppm
Avg	.0805561
Stddev	.0004942
%RSD	.6134999
#1	.0799961
#2	.0807411
#3	.0809311

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2838.616	67839.42	9493.086	3178.783	3374.054
Stddev	3.531	78.19	64.915	9.654	8.751
%RSD	.1243859	.1152543	.6838121	.3036874	.2593601
#1	2835.683	67754.32	9422.031	3167.751	3372.695
#2	2842.535	67908.09	9507.942	3182.915	3383.406
#3	2837.630	67855.86	9549.286	3185.683	3366.063

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV006 Acquired: 1/12/2025 10:56:12 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV006 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.530411**	**4.727371**	**23.68022**	**4.590786**	**4.512595**	**379.9348**
Stddev	.015790	.031667	.06843	.018697	.021061	1.1195
%RSD	.3485403	.6698709	.2889723	.4072757	.4667097	.2946638
#1	4.529518	4.697713	23.60779	4.585292	4.496756	378.6600
#2	4.515087	4.723677	23.68908	4.575451	4.504534	380.3861
#3	4.546629	4.760723	23.74378	4.611614	4.536496	380.7581

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.539759**	**.4921551**	**2.393837**	**380.3536**	**15.10481**	**2.397533**
Stddev	.074691	.0013559	.008970	2.3711	.04205	.006974
%RSD	.7829392	.2754917	.3747310	.6233963	.2783678	.2908969
#1	9.623824	.4930018	2.384429	381.0460	15.05669	2.390899
#2	9.514416	.4905913	2.394788	382.3015	15.12328	2.396896
#3	9.481038	.4928722	2.402294	377.7134	15.13446	2.404804

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.54295**	**382.0536**	**14.42917**	**239.5334**	**2.391270**	**1.207386**
Stddev	.01142	1.0409	.06468	.4115	.007470	.000921
%RSD	.0785025	.2724360	.4482585	.1717894	.3123808	.0762780
#1	14.55593	381.4847	14.38177	239.2467	2.383542	1.207986
#2	14.53448	383.2549	14.50286	240.0049	2.391815	1.207847
#3	14.53844	381.4211	14.40289	239.3487	2.398452	1.206326

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**389.3550**	**2.370167**	**15.41846**	**142.3139**	**4.773671**	F **5.770419**
Stddev	.4070	.001574	.03156	.5421	.030282	.005022
%RSD	.1045377	.0664080	.2046680	.3808962	.6343519	.0870260
#1	388.9863	2.370985	15.42312	141.9717	4.739204	5.774144
#2	389.2869	2.371163	15.44743	142.9389	4.785806	5.764708
#3	389.7917	2.368352	15.38483	142.0311	4.796004	5.772405

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV006 Acquired: 1/12/2025 10:56:12 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV006 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.547886**	**4.750900**	**4.786930**	**4.726171**	**4.770085**	**4.608380**
Stddev	.014031	.020940	.001369	.013629	.005268	.024545
%RSD	.3085272	.4407531	.0286023	.2883665	.1104464	.5326093
#1	4.544111	4.727975	4.785355	4.711793	4.768146	4.597442
#2	4.536128	4.755706	4.787599	4.727819	4.776048	4.636492
#3	4.563419	4.769019	4.787836	4.738900	4.766061	4.591205

Elem	Sr4077
Units	ppm
Avg	**4.857709**
Stddev	.027350
%RSD	.5630265
#1	4.827034
#2	4.879551
#3	4.866541

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2048.316**	**50719.25**	**7697.616**	**2407.971**	**2745.383**
Stddev	6.443	128.06	13.807	7.486	6.837
%RSD	.3145342	.2524921	.1793663	.3108959	.2490311
#1	2049.058	50862.19	7697.445	2402.994	2751.748
#2	2054.356	50614.97	7711.508	2404.338	2746.244
#3	2041.535	50680.59	7683.895	2416.580	2738.156

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB006 Acquired: 1/12/2025 11:00:27 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB006 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001170**	**.0002614**	**.0016756**	**.0028800**	**-.000225**	**.0137343**	**-.002330**
Stddev	.000168	.0007339	.0015129	.0009248	.002202	.0075892	.001081
%RSD	14.36541	280.7916	90.29094	32.11288	977.3452	55.25697	46.41824
#1	-.000989	.0009051	.0024754	.0032286	-.002520	.0068056	-.001102
#2	-.001200	.0004169	.0026207	.0035798	-.000027	.0125521	-.002744
#3	-.001321	-.000538	-.000069	.0018315	.001871	.0218452	-.003143

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000162**	**.0000526**	**.0196650**	**.0002572**	**-.000069**	**.0002280**	**.0249659**
Stddev	.0000826	.0000403	.0046450	.0004068	.000249	.0014441	.0014075
%RSD	509.3018	76.64485	23.62078	158.1305	360.0428	633.4777	5.637647
#1	.0000795	.0000800	.0219018	.0007005	.000081	.0018823	.0241817
#2	-.000077	.0000063	.0227685	.0001704	.000069	-.000780	.0265908
#3	.000046	.0000715	.0143248	-.000099	-.000357	-.000418	.0241251

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003431**	**.0160082**	**-.000249**	**.0005386**	**.0957966**	**-.000829**	**.0004747**
Stddev	.0003711	.0147076	.000309	.0002502	.1055408	.000509	.0001962
%RSD	108.1414	91.87503	124.2522	46.45454	110.1717	61.47695	41.33812
#1	.0001001	-.000369	-.000469	.0007975	.0117800	-.000347	.0003867
#2	.0007703	.020303	-.000383	.0002981	.0613539	-.001362	.0003378
#3	.0001591	.028090	.000105	.0005201	.2142560	-.000778	.0006995

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1088452**	**-.001336**	**.0010440**	**.0003873**	**-.001450**	**.0035350**	**-.000393**
Stddev	.0169569	.001166	.0007411	.0005575	.001573	.0029967	.000819
%RSD	15.57889	87.32241	70.98333	143.9608	108.4747	84.77254	208.4854
#1	.0953198	-.002393	.0018995	.0007543	-.000574	.0057864	.000322
#2	.1278690	-.000084	.0005981	.0006617	-.003266	.0001336	-.001287
#3	.1033469	-.001530	.0006345	-.000254	-.000510	.0046850	-.000214

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB006 Acquired: 1/12/2025 11:00:27 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB006 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000226	-.001162	.0001330
Stddev	.000602	.000799	.0000831
%RSD	266.4340	68.75488	62.46935
#1	-.000293	-.000886	.0001648
#2	.000407	-.002063	.0000387
#3	-.000792	-.000538	.0001955

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2527.992	60560.42	8073.987	2852.660	3553.303
Stddev	.903	171.48	51.630	2.754	5.322
%RSD	.0357366	.2831618	.6394577	.0965426	.1497623
#1	2529.032	60364.72	8014.676	2855.777	3555.357
#2	2527.543	60684.42	8098.415	2851.652	3557.291
#3	2527.401	60632.12	8108.869	2850.553	3547.260

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-01 Acquired: 1/12/2025 11:04:36 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D26 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1575989	-.069352	24.91403	.0451489	.0219795	54.96652
Stddev	.0025768	.002015	.04262	.0028408	.0018369	.06165
%RSD	1.635013	2.905215	.1710553	6.292050	8.357168	.1121541
#1	.1596728	-.067254	24.87356	.0423881	.0240829	54.91263
#2	.1584097	-.069531	24.95851	.0449953	.0206920	55.03374
#3	.1547143	-.071272	24.91003	.0480634	.0211634	54.95318

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2738793	.0153027	.1166943	17.38125	.0551153	.1189937
Stddev	.0008130	.0000522	.0004217	.06327	.0001827	.0004644
%RSD	.2968568	.3413573	.3613830	.3640248	.3314577	.3902806
#1	.2731058	.0152485	.1162086	17.32022	.0549839	.1184575
#2	.2738053	.0153528	.1169068	17.44655	.0550381	.1192630
#3	.2747268	.0153067	.1169675	17.37696	.0553239	.1192607

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.902406	200.2038	F 129.9618	29.21538	.0596442	.1526028
Stddev	.014692	.3412	.7435	.08791	.0000629	.0005074
%RSD	.2128482	.1704089	.5721169	.3009024	.1054767	.3324646
#1	6.915454	199.8509	129.3804	29.16237	.0596889	.1531144
#2	6.886493	200.5319	130.7996	29.31686	.0596714	.1525944
#3	6.905271	200.2287	129.7054	29.16693	.0595722	.1520998

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0668426	.0940663	F 31.59575	7.230419	6.627630	.8053950
Stddev	.1773237	.0011023	.13862	.049070	.016844	.0018926
%RSD	265.2855	1.171819	.4387325	.6786666	.2541476	.2349869
#1	.2714748	.0944067	31.59152	7.179730	6.608871	.8058203
#2	-.041632	.0949582	31.45929	7.233833	6.632561	.8070387
#3	-.029315	.0928340	31.73644	7.277693	6.641459	.8033260

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-01 Acquired: 1/12/2025 11:04:36 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D26 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8810677	8.150357	F 16.84073	.0041552	.2137070	.1556023
Stddev	.0019427	.030235	.00775	.0003219	.0011077	.0010186
%RSD	.2204922	.3709673	.0460132	7.746518	.5183144	.6546343
#1	.8829590	8.115879	16.84838	.0044030	.2139868	.1546460
#2	.8790774	8.162840	16.84092	.0042713	.2146479	.1566735
#3	.8811667	8.172352	16.83289	.0037914	.2124862	.1554874

Elem	Sr4077
Units	ppm
Avg	.1163737
Stddev	.0001478
%RSD	.1270011
#1	.1163998
#2	.1162146
#3	.1165068

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2665.646	63034.09	8904.543	3017.921	3276.549
Stddev	6.174	124.85	9.610	.680	3.437
%RSD	.2316289	.1980728	.1079270	.0225255	.1049011
#1	2658.552	63134.83	8912.850	3018.406	3272.972
#2	2669.816	62894.40	8894.017	3018.213	3276.851
#3	2668.568	63073.03	8906.762	3017.144	3279.826

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-02 Acquired: 1/12/2025 11:08:45 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D29 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.096494**	**-.106804**	F **139.1770**	**.1495699**	**.2359831**	**19.80269**
Stddev	.000780	.002633	.2203	.0042645	.0005740	.04757
%RSD	.0711771	2.465531	.1583218	2.851190	.2432319	.2402379
#1	1.096130	-.103763	139.0784	.1538297	.2355842	19.75015
#2	1.095963	-.108298	139.0232	.1453006	.2357241	19.84284
#3	1.097390	-.108350	139.4294	.1495793	.2366409	19.81510

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6910362**	**.0149642**	**.2441462**	**67.95831**	**.0310426**	**.0332397**
Stddev	.0026585	.0001659	.0003054	.08023	.0005282	.0005264
%RSD	.3847075	1.108782	.1250905	.1180519	1.701510	1.583611
#1	.6890126	.0149826	.2444910	67.88200	.0311035	.0338324
#2	.6940471	.0147899	.2439096	68.04195	.0315377	.0328267
#3	.6900490	.0151202	.2440382	67.95100	.0304866	.0330599

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.727512**	**581.6599**	F **143.7773**	**4.582916**	**.0447017**	**.8547167**
Stddev	.025185	1.5830	1.0584	.041309	.0009394	.0009207
%RSD	.2885681	.2721460	.7361046	.9013792	2.101598	.1077239
#1	8.728693	581.0326	143.2260	4.536728	.0439376	.8554458
#2	8.701757	580.4867	143.1083	4.595694	.0444170	.8536820
#3	8.752085	583.4603	144.9975	4.616328	.0457506	.8550223

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.029067**	**.0003749**	F **39.43598**	**6.376732**	**4.451151**	**2.338504**
Stddev	.084074	.0021330	.22605	.118677	.009447	.007955
%RSD	8.169966	568.9690	.5732101	1.861094	.2122284	.3401638
#1	.954488	.0011182	39.63874	6.268603	4.459727	2.330438
#2	1.012532	.0020369	39.47696	6.503703	4.441026	2.338730
#3	1.120180	-.002030	39.19224	6.357892	4.452701	2.346343

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-02 Acquired: 1/12/2025 11:08:45 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D29 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2346333	F 258.4689	F 21.16996	.0218669	.3819521	.0144189
Stddev	.0003709	.3201	.06639	.0012700	.0025551	.0018515
%RSD	.1580758	.1238544	.3136141	5.807766	.6689535	12.84099
#1	.2342610	258.8212	21.24555	.0220938	.3847433	.0130719
#2	.2350028	258.3898	21.14324	.0204988	.3797286	.0165303
#3	.2346362	258.1957	21.12109	.0230082	.3813845	.0136546

Elem	Sr4077
Units	ppm
Avg	.1780792
Stddev	.0006623
%RSD	.3719152
#1	.1773146
#2	.1784721
#3	.1784510

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2468.698	58783.02	8453.976	2792.627	3321.653
Stddev	4.389	53.20	49.978	2.305	3.622
%RSD	.1777966	.0905010	.5911818	.0825517	.1090431
#1	2470.551	58782.28	8416.658	2791.366	3324.751
#2	2463.686	58836.58	8510.758	2795.288	3322.535
#3	2471.856	58730.20	8434.511	2791.228	3317.671

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-03 Acquired: 1/12/2025 11:13:03 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D32 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5078057**	**-.010909**	F **51.42044**	**.0925024**	**.0583371**	**44.20608**
Stddev	.0018111	.000513	.03584	.0029172	.0010172	.08540
%RSD	.3566572	4.702270	.0696935	3.153681	1.743670	.1931775
#1	.5058594	-.011408	51.46138	.0893597	.0593296	44.29094
#2	.5094416	-.010937	51.39475	.0930238	.0583847	44.20714
#3	.5081161	-.010383	51.40520	.0951239	.0572969	44.12016

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.087865**	**.0040890**	**.0607838**	**13.61828**	**.0915765**	**.0498625**
Stddev	.007737	.0002479	.0002051	.01891	.0004034	.0003481
%RSD	.3705914	6.062819	.3373778	.1388888	.4404661	.6981321
#1	2.096782	.0039621	.0605864	13.60824	.0916016	.0499389
#2	2.083898	.0043746	.0609958	13.60650	.0919668	.0501660
#3	2.082917	.0039302	.0607692	13.64010	.0911612	.0494825

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.657885**	**420.9880**	**18.51232**	**25.91586**	**.0648558**	**.1648289**
Stddev	.013261	1.4633	.05724	.03308	.0005832	.0005419
%RSD	.3625185	.3475894	.3091797	.1276288	.8992024	.3287576
#1	3.665696	422.3978	18.57633	25.94285	.0643582	.1643573
#2	3.642575	421.0898	18.46608	25.87896	.0647115	.1654208
#3	3.665386	419.4765	18.49455	25.92577	.0654975	.1647086

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.318682**	**.1232076**	**14.72698**	**12.78808**	**9.468228**	**1.717506**
Stddev	.199022	.0005263	.01029	.03299	.012524	.009855
%RSD	15.09248	.4271702	.0699003	.2579722	.1322772	.5738114
#1	1.530372	.1237830	14.72645	12.82528	9.457057	1.726467
#2	1.290298	.1227505	14.73752	12.76237	9.465860	1.719100
#3	1.135376	.1230893	14.71696	12.77659	9.481768	1.706950

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-03 Acquired: 1/12/2025 11:13:03 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D32 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3245286	F 59.54011	F 12.50024	.0430120	1.871142	.0773099
Stddev	.0006561	.05148	.06270	.0011376	.004633	.0013315
%RSD	.2021611	.0864674	.5015805	2.644782	.2475778	1.722333
#1	.3244688	59.52967	12.47912	.0437535	1.874186	.0778221
#2	.3252125	59.49465	12.45082	.0417023	1.865811	.0757983
#3	.3239044	59.59601	12.57077	.0435803	1.873430	.0783093

Elem	Sr4077
Units	ppm
Avg	.2264551
Stddev	.0008297
%RSD	.3663855
#1	.2271890
#2	.2266214
#3	.2255548

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2621.264	62828.17	9175.388	2955.828	3364.084
Stddev	3.348	42.40	40.729	4.594	1.576
%RSD	.1277321	.0674899	.4438956	.1554166	.0468450
#1	2621.901	62826.88	9200.969	2960.083	3362.622
#2	2617.644	62871.20	9196.774	2950.958	3363.877
#3	2624.249	62786.43	9128.420	2956.442	3365.754

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-04 Acquired: 1/12/2025 11:17:04 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D35 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4287219	-.052351	F 131.7166	.1222020	.1655776	58.77583
Stddev	.0031038	.003326	.7296	.0051510	.0037684	.39606
%RSD	.7239721	6.353121	.5539144	4.215195	2.275903	.6738417
#1	.4261455	-.048971	131.3106	.1164512	.1617233	58.49452
#2	.4278525	-.055620	131.2803	.1237621	.1657559	59.22875
#3	.4321677	-.052463	132.5589	.1263926	.1692537	58.60422

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.035522	.0104974	.5416572	22.49788	.0473216	.1488701
Stddev	.015863	.0001151	.0038130	.20655	.0007952	.0012705
%RSD	.7792962	1.096346	.7039563	.9180864	1.680395	.8534199
#1	2.024755	.0103708	.5394088	22.36020	.0464625	.1485943
#2	2.053738	.0105256	.5395030	22.73538	.0480319	.1477602
#3	2.028073	.0105957	.5460598	22.39805	.0474703	.1502559

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 86.09302	389.0665	F 84.23075	28.73081	.0632305	.9786888
Stddev	1.17496	1.0327	.54244	.18215	.0013014	.0039743
%RSD	1.364760	.2654392	.6439915	.6339779	2.058131	.4060863
#1	85.35523	388.2055	84.03441	28.58774	.0617870	.9749699
#2	85.47586	390.2115	84.84401	28.93586	.0635908	.9828769
#3	87.44796	388.7825	83.81382	28.66882	.0643138	.9782196

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9235701	.1107109	F 44.34504	7.230848	6.054949	1.572383
Stddev	.0374646	.0020164	.18396	.090403	.042354	.007949
%RSD	4.056501	1.821348	.4148342	1.250238	.6994992	.5055586
#1	.9668166	.1130380	44.48035	7.180649	6.025664	1.566471
#2	.9009976	.1096160	44.13558	7.335211	6.035670	1.581420
#3	.9028960	.1094788	44.41918	7.176684	6.103514	1.569257

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-04 Acquired: 1/12/2025 11:17:04 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D35 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5844609	F 122.1156	F 17.79551	.2718589	.7754347	.1482912
Stddev	.0030808	.4860	.07320	.0018490	.0055219	.0027762
%RSD	.5271225	.3979643	.4113368	.6801363	.7121075	1.872133
#1	.5824286	121.8035	17.85375	.2707633	.7809261	.1460980
#2	.5829485	121.8678	17.71334	.2708198	.7698827	.1514126
#3	.5880057	122.6756	17.81945	.2739937	.7754952	.1473631

Elem	Sr4077
Units	ppm
Avg	.2008394
Stddev	.0014665
%RSD	.7301632
#1	.1998487
#2	.2025241
#3	.2001455

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2602.595	65282.63	9338.805	3016.396	3455.787
Stddev	12.169	365.68	53.146	17.071	16.434
%RSD	.4675765	.5601540	.5690900	.5659553	.4755622
#1	2605.807	65529.16	9301.220	3028.204	3464.237
#2	2612.835	64862.48	9399.610	2996.822	3466.278
#3	2589.142	65456.24	9315.586	3024.163	3436.847

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-05 Acquired: 1/12/2025 11:21:36 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D38 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 11.76404	.0059717	F 57.79784	.0504141	.2968879	20.07593
Stddev	.02582	.0024092	.06385	.0035995	.0026441	.14664
%RSD	.2195246	40.34372	.1104758	7.139896	.8906093	.7304353
#1	11.79384	.0046637	57.86608	.0545705	.2997500	20.13763
#2	11.74817	.0087520	57.73954	.0483209	.2945363	19.90852
#3	11.75011	.0044995	57.78790	.0483511	.2963773	20.18163

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.122027	.0027755	.0675725	774.8662	.0322211	.0475070
Stddev	.010478	.0000814	.0002523	4.4752	.0002234	.0005340
%RSD	.9338239	2.934259	.3734277	.5775405	.6934284	1.124119
#1	1.123613	.0028516	.0676189	771.8348	.0322735	.0469293
#2	1.110846	.0026896	.0673003	772.7578	.0319762	.0476091
#3	1.131621	.0027855	.0677985	780.0061	.0324137	.0479827

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.21467	181.8971	10.58065	9.112780	.0441036	.4798371
Stddev	.08259	.9701	.08020	.026913	.0006299	.0015943
%RSD	.3557569	.5333194	.7579937	.2953317	1.428327	.3322609
#1	23.29111	182.3964	10.61235	9.124082	.0446479	.4816475
#2	23.12707	180.7790	10.48944	9.082059	.0442494	.4792213
#3	23.22584	182.5158	10.64015	9.132199	.0434136	.4786425

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8194505	.0425041	16.92901	6.483289	3.149339	.7456089
Stddev	.1335108	.0026570	.01854	.069512	.012954	.0053084
%RSD	16.29272	6.251189	.1094964	1.072171	.4113257	.7119608
#1	.7389666	.0394826	16.94697	6.489089	3.150758	.7477253
#2	.9735647	.0444760	16.93012	6.411059	3.135734	.7395687
#3	.7458204	.0435536	16.90994	6.549719	3.161525	.7495326

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-05 Acquired: 1/12/2025 11:21:36 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D38 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1177614	F 89.66820	F 11.72249	.6881663	.1587563	.0367369
Stddev	.0002914	.19427	.02058	.0005959	.0027866	.0017736
%RSD	.2474298	.2166495	.1755596	.0865878	1.755239	4.827799
#1	.1176709	89.85681	11.73133	.6875047	.1612636	.0359363
#2	.1175261	89.46873	11.69896	.6886607	.1557562	.0387696
#3	.1180873	89.67906	11.73717	.6883335	.1592490	.0355047

Elem	Sr4077
Units	ppm
Avg	.3864848
Stddev	.0024027
%RSD	.6216686
#1	.3876038
#2	.3837268
#3	.3881238

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2389.356	57087.51	8358.957	2642.461	3059.803
Stddev	2.618	145.34	27.827	2.617	3.878
%RSD	.1095514	.2545935	.3328961	.0990253	.1267559
#1	2386.972	56960.43	8340.764	2643.129	3060.165
#2	2392.157	57245.98	8345.118	2644.679	3063.487
#3	2388.939	57056.12	8390.990	2639.575	3055.756

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-06 Acquired: 1/12/2025 11:25:35 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D41 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3204521**	**-.024333**	**34.09884**	**.0449277**	**.0296061**	**28.48932**
Stddev	.0019110	.000431	.03061	.0000207	.0017792	.29196
%RSD	.5963304	1.769809	.0897827	.0461189	6.009563	1.024817
#1	.3217271	-.024084	34.09193	.0449123	.0315313	28.33838
#2	.3182549	-.024830	34.07227	.0449512	.0280224	28.30373
#3	.3213742	-.024084	34.13232	.0449195	.0292648	28.82586

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.221833**	**.0106198**	**.0281574**	**15.63700**	**.0550359**	**.0223225**
Stddev	.009411	.0002365	.0000624	.17673	.0003993	.0000825
%RSD	.7702115	2.226645	.2216162	1.130185	.7255551	.3694432
#1	1.222352	.0108480	.0281463	15.61064	.0554736	.0224163
#2	1.212173	.0106357	.0282245	15.47493	.0546915	.0222899
#3	1.230973	.0103759	.0281012	15.82543	.0549425	.0222613

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.715796**	**207.4658**	**26.56444**	**13.14485**	**.0217485**	**.1098903**
Stddev	.005047	1.9079	.08703	.09944	.0007621	.0003435
%RSD	.2941370	.9196428	.3276298	.7565120	3.503907	.3125864
#1	1.721448	206.4906	26.57515	13.07700	.0211478	.1095068
#2	1.711742	206.2426	26.64562	13.09855	.0226057	.1101697
#3	1.714197	209.6643	26.47254	13.25900	.0214919	.1099944

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3997984**	**.0420553**	**7.325021**	**4.065094**	**7.029757**	**.8305824**
Stddev	.1048032	.0026613	.032566	.036631	.013313	.0096190
%RSD	26.21402	6.328004	.4445847	.9011152	.1893805	1.158100
#1	.5135615	.0450101	7.316048	4.032047	7.033785	.8252265
#2	.3071793	.0398469	7.297881	4.058755	7.014896	.8248335
#3	.3786542	.0413091	7.361132	4.104482	7.040591	.8416871

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-06 Acquired: 1/12/2025 11:25:35 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D41 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1333479	F 22.72537	F 13.32814	.0089820	1.038781	.0326463
Stddev	.0004997	.04659	.03794	.0007966	.002553	.0004441
%RSD	.3747406	.2050206	.2846370	8.868646	.2457880	1.360490
#1	.1330967	22.69934	13.36661	.0081201	1.040085	.0322070
#2	.1330237	22.69761	13.32704	.0096910	1.040418	.0330951
#3	.1339234	22.77916	13.29076	.0091350	1.035839	.0326367

Elem	Sr4077
Units	ppm
Avg	.3151201
Stddev	.0029524
%RSD	.9369149
#1	.3133872
#2	.3134440
#3	.3185291

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2658.909	63327.79	8729.790	2981.471	3504.220
Stddev	3.920	238.94	47.168	15.315	5.548
%RSD	.1474182	.3773057	.5403095	.5136812	.1583160
#1	2656.545	63414.44	8713.962	2990.027	3503.259
#2	2663.434	63511.31	8692.573	2990.596	3510.185
#3	2656.749	63057.61	8782.837	2963.789	3499.215

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-07 Acquired: 1/12/2025 11:29:38 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D44 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 10.48601	.0231372	F 200.4580	.1560362	1.628582	7.343021
Stddev	.03911	.0015461	.3765	.0071335	.001834	.038066
%RSD	.3729827	6.682502	.1878003	4.571689	.1126246	.5184036
#1	10.45662	.0241799	200.1127	.1513506	1.627933	7.302811
#2	10.47100	.0213608	200.4021	.1642460	1.627161	7.378502
#3	10.53040	.0238708	200.8593	.1525122	1.630653	7.347748

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.813187	-.000974	.0598135	3.042695	.0133524	.0101676
Stddev	.045052	.000139	.0003753	.042329	.0004128	.0003926
%RSD	.7749957	14.31748	.6274644	1.391160	3.091428	3.861212
#1	5.845972	-.000828	.0595486	3.001339	.0132086	.0100833
#2	5.831772	-.001105	.0596488	3.085934	.0130308	.0098241
#3	5.761815	-.000988	.0602430	3.040813	.0138179	.0105956

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 43.82833	548.6042	1.691234	1.405460	.0242055	1.545902
Stddev	.03652	4.6265	.008027	.003927	.0006752	.004415
%RSD	.0833180	.8433248	.4746371	.2793960	2.789557	.2855641
#1	43.83681	548.4748	1.684155	1.405931	.0238719	1.548629
#2	43.85986	553.2941	1.699955	1.401318	.0237620	1.548268
#3	43.78832	544.0438	1.689591	1.409129	.0249826	1.540809

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6885281	.0625916	15.91469	14.69869	3.030369	2.197931
Stddev	.2380924	.0013528	.03629	.05544	.008254	.021376
%RSD	34.57991	2.161369	.2280135	.3771611	.2723754	.9725621
#1	.9334726	.0613519	15.89471	14.65254	3.022638	2.194901
#2	.6741742	.0623884	15.95658	14.76018	3.029407	2.220660
#3	.4579374	.0640346	15.89278	14.68333	3.039062	2.178231

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-07 Acquired: 1/12/2025 11:29:38 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D44 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8666060	F 132.5131	7.103602	.2534045	.0645422	.0040174
Stddev	.0025899	.5623	.005516	.0011829	.0002254	.0011657
%RSD	.2988587	.4243476	.0776520	.4667898	.3492881	29.01675
#1	.8639355	131.9686	7.108807	.2523304	.0647318	.0027996
#2	.8667754	132.4790	7.097820	.2546722	.0642929	.0051230
#3	.8691070	133.0917	7.104180	.2532107	.0646017	.0041297

Elem	Sr4077
Units	ppm
Avg	.4440843
Stddev	.0023242
%RSD	.5233760
#1	.4420568
#2	.4466209
#3	.4435752

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2421.706	60210.18	8268.573	2799.527	3551.466
Stddev	1.987	232.58	40.225	9.679	3.226
%RSD	.0820487	.3862805	.4864753	.3457511	.0908317
#1	2422.892	60160.20	8223.856	2810.536	3554.344
#2	2419.412	60006.65	8280.054	2792.351	3547.979
#3	2422.814	60463.68	8301.809	2795.695	3552.076

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-08 Acquired: 1/12/2025 11:33:45 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D47 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.097358**	**.0120960**	F **245.0855**	**.1796865**	**1.036860**	**11.97792**
Stddev	.020748	.0015839	.3310	.0030510	.002784	.02780
%RSD	.2562314	13.09464	.1350540	1.697954	.2684674	.2320595
#1	8.101264	.0105815	244.7158	.1762498	1.034834	12.00754
#2	8.074934	.0137413	245.3544	.1820761	1.035712	11.95241
#3	8.115875	.0119651	245.1862	.1807334	1.040034	11.97380

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.426656**	**-.000744**	**.3922202**	**5.272380**	**.0056926**	**.0535867**
Stddev	.002075	.000174	.0005323	.063232	.0002847	.0002321
%RSD	.1454773	23.40811	.1357100	1.199299	5.001240	.4330378
#1	1.424679	-.000842	.3917062	5.200099	.0060097	.0536783
#2	1.426471	-.000543	.3927690	5.317456	.0054589	.0537590
#3	1.428817	-.000847	.3921853	5.299584	.0056091	.0533228

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **71.87622**	**672.3564**	**13.62494**	**4.068893**	**.0316303**	**1.425460**
Stddev	.26037	2.3608	.02429	.003948	.0006371	.008848
%RSD	.3622482	.3511301	.1782458	.0970291	2.014287	.6206790
#1	72.15804	672.3927	13.60084	4.070799	.0322871	1.430235
#2	71.64462	669.9775	13.62458	4.071527	.0315888	1.415250
#3	71.82601	674.6988	13.64940	4.064354	.0310149	1.430894

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.083390**	**.0511814**	F **44.94419**	**14.42090**	**2.851622**	**2.706647**
Stddev	.123414	.0017267	.04053	.07812	.006502	.009123
%RSD	11.39146	3.373762	.0901722	.5417193	.2279984	.3370461
#1	1.119319	.0501780	44.98792	14.43583	2.852148	2.702370
#2	1.184852	.0501908	44.90790	14.33639	2.857844	2.700448
#3	.945998	.0531752	44.93675	14.49048	2.844873	2.717122

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-08 Acquired: 1/12/2025 11:33:45 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D47 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8578191	F 247.2500	8.413572	.3480783	.0816369	.0179228
Stddev	.0028944	.2366	.018997	.0012505	.0004899	.0006887
%RSD	.3374194	.0957026	.2257921	.3592548	.6001062	3.842359
#1	.8595341	247.0579	8.391971	.3467269	.0821993	.0182998
#2	.8544772	247.5143	8.421064	.3491944	.0813024	.0171280
#3	.8594458	247.1777	8.427681	.3483135	.0814092	.0183407

Elem	Sr4077
Units	ppm
Avg	.1775936
Stddev	.0003747
%RSD	.2110152
#1	.1778610
#2	.1771653
#3	.1777547

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2377.356	59669.72	8416.891	2774.574	3545.234
Stddev	3.317	219.16	40.547	11.240	5.596
%RSD	.1395447	.3672867	.4817300	.4051158	.1578558
#1	2375.012	59566.50	8385.864	2770.522	3549.146
#2	2381.152	59921.43	8462.769	2787.279	3538.824
#3	2375.904	59521.23	8402.039	2765.922	3547.731

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-09 Acquired: 1/12/2025 11:38:02 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D50 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.279443**	**.0006993**	F **443.6026**	**.1666459**	**.2688063**	**35.98429**
Stddev	.001879	.0021732	2.3610	.0032923	.0019871	.03516
%RSD	.1468812	310.7451	.5322298	1.975649	.7392185	.0977022
#1	1.281367	-.000755	441.0792	.1690205	.2688267	35.99670
#2	1.279349	-.000344	443.9705	.1628875	.2668091	36.01157
#3	1.277612	.003197	445.7580	.1680298	.2707831	35.94461

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.149605**	**.0011653**	**.1705228**	**15.64500**	**.0997835**	**.0532786**
Stddev	.006497	.0002057	.0005995	.04220	.0001924	.0005691
%RSD	.2062695	17.65426	.3515661	.2697639	.1928707	1.068210
#1	3.154515	.0009368	.1698841	15.68565	.1000035	.0526795
#2	3.152062	.0012232	.1706110	15.64794	.0996465	.0533444
#3	3.142238	.0013359	.1710733	15.60140	.0997005	.0538120

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.92977**	**532.1519**	**9.572317**	**18.80270**	**.0888359**	**1.262769**
Stddev	.08620	1.6067	.028175	.00934	.0013923	.003125
%RSD	.4325298	.3019249	.2943391	.0496586	1.567211	.2474820
#1	19.84587	532.5643	9.594107	18.79596	.0876391	1.264958
#2	19.92533	530.3792	9.582344	18.81336	.0885047	1.264159
#3	20.01810	533.5122	9.540500	18.79878	.0903639	1.259190

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.148053**	**.1080990**	**28.05404**	**6.936823**	**9.647341**	**2.177995**
Stddev	.042646	.0006419	.09577	.050487	.036604	.008306
%RSD	3.714606	.5938188	.3413931	.7278153	.3794207	.3813679
#1	1.196019	.1075031	28.06898	6.989581	9.613109	2.181158
#2	1.114420	.1080153	28.14146	6.888964	9.642986	2.168572
#3	1.133720	.1087787	27.95167	6.931923	9.685927	2.184256

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-09 Acquired: 1/12/2025 11:38:02 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D50 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4687760	F 119.0387	F 12.17478	.3940737	1.006559	.0615050
Stddev	.0016582	.3930	.02484	.0003950	.003516	.0002163
%RSD	.3537379	.3301726	.2040337	.1002478	.3493093	.3517405
#1	.4676447	118.6995	12.14637	.3941543	1.002775	.0617481
#2	.4680038	118.9472	12.19238	.3936445	1.007179	.0614330
#3	.4706795	119.4694	12.18559	.3944222	1.009724	.0613338

Elem	Sr4077
Units	ppm
Avg	.2222218
Stddev	.0000980
%RSD	.0440914
#1	.2223307
#2	.2221940
#3	.2221407

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2505.861	62907.79	8849.664	2884.246	3423.873
Stddev	4.577	174.84	29.652	5.775	5.865
%RSD	.1826512	.2779254	.3350687	.2002316	.1712834
#1	2506.874	62714.86	8870.639	2880.956	3429.130
#2	2509.847	63055.76	8862.615	2880.868	3424.942
#3	2500.863	62952.74	8815.740	2890.915	3417.548

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-10 Acquired: 1/12/2025 11:42:18 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D53 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4012915**	**-.009580**	**28.66512**	**.0902459**	**.0450176**	**84.23335**
Stddev	.0031627	.002141	.01650	.0005716	.0014218	.10956
%RSD	.7881275	22.35175	.0575608	.6333315	3.158223	.1300690
#1	.3989844	-.007144	28.64783	.0897106	.0454382	84.27229
#2	.4048967	-.010431	28.68070	.0908478	.0434330	84.10964
#3	.3999933	-.011164	28.66682	.0901793	.0461816	84.31813

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.732186**	**.0040699**	**.1637025**	**24.37958**	**.0884517**	**.0939505**
Stddev	.002066	.0002660	.0000983	.05890	.0000164	.0002484
%RSD	.1192684	6.535796	.0600544	.2416149	.0185231	.2644347
#1	1.734571	.0040904	.1636990	24.43831	.0884705	.0937557
#2	1.730972	.0043250	.1636060	24.32050	.0884406	.0942302
#3	1.731015	.0037942	.1638025	24.37992	.0884441	.0938655

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.500089**	**431.6054**	**14.59023**	**51.32856**	**.0789192**	**.0738066**
Stddev	.011820	4.1106	.01351	.08234	.0006813	.0006517
%RSD	.2626561	.9524088	.0925667	.1604139	.8632667	.8830433
#1	4.501277	427.3589	14.60500	51.37367	.0784308	.0734195
#2	4.487719	431.8920	14.57851	51.23352	.0796975	.0734413
#3	4.511269	435.5652	14.58718	51.37848	.0786292	.0745591

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.544600**	**.2662718**	**28.82788**	**13.18063**	F **17.15519**	**1.758336**
Stddev	.108803	.0009855	.35640	.05765	.00832	.019833
%RSD	7.044066	.3701076	1.236290	.4373584	.0485010	1.127928
#1	1.601675	.2666607	28.42442	13.20169	17.16468	1.737842
#2	1.419135	.2651512	29.09985	13.11541	17.14916	1.759733
#3	1.612989	.2670035	28.95938	13.22478	17.15172	1.777434

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-10 Acquired: 1/12/2025 11:42:18 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D53 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1070336	F 60.85307	F 19.73910	.0260630	2.062677	.1586710
Stddev	.0006779	.06781	.01902	.0002067	.001156	.0010639
%RSD	.6333481	.1114381	.0963602	.7929963	.0560516	.6704830
#1	.1067761	60.83643	19.75865	.0260982	2.061858	.1591096
#2	.1078025	60.79513	19.72066	.0258410	2.063999	.1594455
#3	.1065222	60.92766	19.73798	.0262499	2.062173	.1574580

Elem	Sr4077
Units	ppm
Avg	.3467666
Stddev	.0005995
%RSD	.1728799
#1	.3471108
#2	.3460744
#3	.3471146

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2680.559	65605.20	9482.024	3070.356	3355.985
Stddev	3.303	70.72	12.645	3.492	2.645
%RSD	.1232119	.1078015	.1333582	.1137221	.0788120
#1	2677.931	65642.99	9494.826	3068.850	3352.985
#2	2684.266	65649.00	9481.704	3074.349	3357.980
#3	2679.478	65523.61	9469.542	3067.871	3356.990

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-11 Acquired: 1/12/2025 11:46:27 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D56 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 17.22745	.0195562	F 617.8292	.3230725	3.133033	23.44653
Stddev	.08300	.0004664	2.9203	.0016152	.018395	.05566
%RSD	.4818182	2.384808	.4726717	.4999630	.5871190	.2374116
#1	17.13435	.0193159	614.4681	.3234669	3.113403	23.41144
#2	17.25427	.0192591	619.2750	.3244541	3.135821	23.51071
#3	17.29373	.0200938	619.7446	.3212966	3.149874	23.41744

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.494115	.0005710	.1131108	12.76819	.0508763	.0292233
Stddev	.038888	.0005373	.0007662	.14708	.0010710	.0007745
%RSD	.7078043	94.10138	.6773837	1.151899	2.105049	2.650362
#1	5.482780	.0009400	.1125401	12.64368	.0497931	.0284841
#2	5.537410	-.000045	.1128107	12.93047	.0509013	.0291571
#3	5.462153	.000818	.1139816	12.73042	.0519346	.0300288

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 63.21831	F 932.4631	11.02305	5.521495	.0477433	1.914550
Stddev	.09303	12.5504	.02610	.022786	.0006367	.002911
%RSD	.1471500	1.345945	.2367691	.4126811	1.333534	.1520711
#1	63.32104	922.7138	11.01540	5.495216	.0471984	1.911340
#2	63.13977	946.6236	11.05211	5.533506	.0475884	1.915289
#3	63.19413	928.0520	11.00162	5.535763	.0484431	1.917020

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.674400	.1338449	27.43402	12.82792	5.629886	3.713152
Stddev	.137213	.0021344	.17313	.03664	.011557	.063315
%RSD	8.194743	1.594648	.6310628	.2856323	.2052771	1.705149
#1	1.595198	.1320378	27.54625	12.84203	5.618728	3.666363
#2	1.832840	.1332972	27.52118	12.85540	5.629125	3.785197
#3	1.595163	.1361997	27.23464	12.78632	5.641804	3.687896

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-11 Acquired: 1/12/2025 11:46:27 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D56 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.353391	F 178.7205	F 11.41852	.4671969	.4074350	.0180758
Stddev	.018691	.7097	.03373	.0021137	.0006955	.0002806
%RSD	.5573654	.3971272	.2953727	.4524300	.1707081	1.552293
#1	3.334476	177.9249	11.45337	.4654346	.4079094	.0177644
#2	3.353847	178.9478	11.38604	.4695404	.4077591	.0183088
#3	3.371849	179.2887	11.41613	.4666157	.4066366	.0181543

Elem	Sr4077
Units	ppm
Avg	2.042402
Stddev	.022740
%RSD	1.113400
#1	2.032783
#2	2.068371
#3	2.026053

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2326.753	61541.02	8709.248	2766.077	3458.090
Stddev	11.432	103.34	24.465	13.695	16.805
%RSD	.4913145	.1679284	.2809132	.4951050	.4859645
#1	2339.436	61618.61	8689.832	2759.553	3477.491
#2	2323.581	61423.70	8736.728	2756.863	3448.713
#3	2317.242	61580.74	8701.185	2781.814	3448.066

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-12 Acquired: 1/12/2025 11:50:59 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D59 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2670411	-.009577	20.90179	.0530578	.0377137	47.81302
Stddev	.0018866	.000570	.00647	.0019822	.0021061	.22529
%RSD	.7065005	5.952718	.0309737	3.735850	5.584455	.4711966
#1	.2692005	-.008921	20.89598	.0546457	.0400438	47.65798
#2	.2657125	-.009945	20.90877	.0536915	.0371517	48.07145
#3	.2662101	-.009866	20.90063	.0508363	.0359456	47.70963

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.555072	.0091778	.0521962	14.67316	.0563638	.0546246
Stddev	.007083	.0001502	.0000845	.06676	.0002069	.0002712
%RSD	.4554707	1.637134	.1618603	.4550034	.3670538	.4964044
#1	1.549841	.0092784	.0521353	14.65981	.0562744	.0548527
#2	1.563132	.0090051	.0521607	14.74559	.0562167	.0546963
#3	1.552242	.0092498	.0522927	14.61408	.0566004	.0543248

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.516775	258.9263	18.05646	27.07622	.0467687	.0717709
Stddev	.006348	.9593	.05558	.13012	.0003177	.0005969
%RSD	.2522465	.3704995	.3078240	.4805673	.6793013	.8316933
#1	2.516333	258.2768	18.00356	26.98873	.0465258	.0711099
#2	2.523333	260.0282	18.11438	27.22575	.0471282	.0722706
#3	2.510660	258.4739	18.05145	27.01418	.0466522	.0719322

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6212028	.1205279	11.87540	7.029438	8.129598	1.051862
Stddev	.0748156	.0023425	.04243	.045501	.034637	.006234
%RSD	12.04368	1.943557	.3572554	.6472932	.4260572	.5926482
#1	.5650600	.1178384	11.84964	7.078765	8.128154	1.048378
#2	.7061369	.1221224	11.92437	7.020442	8.095705	1.059059
#3	.5924114	.1216228	11.85220	6.989106	8.164934	1.048148

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-12 Acquired: 1/12/2025 11:50:59 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D59 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2065734	F 24.88839	F 15.63034	.0203209	1.668191	.0923110
Stddev	.0006349	.03117	.02956	.0009442	.002735	.0004997
%RSD	.3073274	.1252334	.1891438	4.646306	.1639536	.5412892
#1	.2072526	24.89227	15.65575	.0207625	1.670882	.0917873
#2	.2059950	24.85546	15.59790	.0209634	1.665414	.0927825
#3	.2064726	24.91743	15.63738	.0192369	1.668278	.0923633

Elem	Sr4077
Units	ppm
Avg	.1519799
Stddev	.0005430
%RSD	.3572777
#1	.1516791
#2	.1526067
#3	.1516539

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2765.475	65398.50	9271.173	3067.685	3497.979
Stddev	4.225	70.19	28.679	16.134	4.650
%RSD	.1527733	.1073238	.3093329	.5259312	.1329376
#1	2769.299	65463.98	9258.057	3078.361	3503.188
#2	2766.187	65324.40	9304.064	3049.125	3496.503
#3	2760.939	65407.10	9251.397	3075.570	3494.246

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-13 Acquired: 1/12/2025 11:54:52 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D62 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1951188**	**-.003660**	**9.397806**	**.0367183**	**.0164058**	**33.76718**
Stddev	.0050777	.001417	.011624	.0032323	.0011684	.21553
%RSD	2.602371	38.71574	.1236885	8.802857	7.121721	.6382877
#1	.2009685	-.004112	9.404619	.0340697	.0161180	33.96932
#2	.1925394	-.002072	9.384384	.0357652	.0176912	33.79185
#3	.1918486	-.004796	9.404414	.0403199	.0154083	33.54037

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9402574**	**.0033512**	**.0241284**	**14.05110**	**.0364289**	**.0310793**
Stddev	.0061470	.0001028	.0001178	.08487	.0003255	.0001349
%RSD	.6537595	3.066071	.4881610	.6040013	.8936073	.4339115
#1	.9453697	.0033839	.0242513	14.09841	.0364183	.0312271
#2	.9419656	.0032361	.0240165	14.10177	.0367596	.0309629
#3	.9334370	.0034337	.0241173	13.95312	.0361088	.0310478

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.509009**	**176.5813**	**7.364594**	**20.85543**	**.0292722**	**.0294984**
Stddev	.003413	1.0523	.036101	.14696	.0002287	.0002040
%RSD	.2261567	.5959241	.4901963	.7046558	.7813285	.6916283
#1	1.512863	177.4703	7.385074	20.98243	.0291993	.0293021
#2	1.507797	176.8541	7.385798	20.88940	.0290889	.0294839
#3	1.506368	175.4195	7.322910	20.69446	.0295285	.0297093

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2005154**	**.0934956**	**6.869267**	**5.217107**	**6.419168**	**.7083323**
Stddev	.0997077	.0021147	.037329	.053360	.008698	.0073751
%RSD	49.72571	2.261805	.5434262	1.022797	.1355016	1.041190
#1	.0942319	.0949553	6.837093	5.253088	6.422062	.7145666
#2	.2153234	.0944610	6.910195	5.155799	6.409391	.7102394
#3	.2919910	.0910705	6.860513	5.242434	6.426049	.7001910

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-13 Acquired: 1/12/2025 11:54:52 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D62 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1237926	F 12.10174	F 11.00264	.0074548	.9471949	.0658285
Stddev	.0006626	.04069	.01325	.0016409	.0028638	.0012750
%RSD	.5352170	.3362492	.1204307	22.01105	.3023419	1.936864
#1	.1234889	12.14396	10.99405	.0055882	.9439212	.0660516
#2	.1233363	12.06277	11.01790	.0086695	.9492363	.0669773
#3	.1245525	12.09848	10.99598	.0081068	.9484271	.0644567

Elem	Sr4077
Units	ppm
Avg	.1039066
Stddev	.0008331
%RSD	.8017488
#1	.1048346
#2	.1036619
#3	.1032233

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2604.421	63505.92	8655.570	2941.706	3450.449
Stddev	1.434	201.19	43.926	16.677	3.173
%RSD	.0550677	.3168019	.5074876	.5669133	.0919487
#1	2602.774	63534.62	8706.145	2949.009	3446.791
#2	2605.099	63291.92	8633.619	2922.623	3452.097
#3	2605.391	63691.21	8626.947	2953.485	3452.458

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-14 Acquired: 1/12/2025 11:58:47 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D65 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2572817**	**-.067454**	**19.31575**	**.0484829**	**.0242513**	**42.28198**
Stddev	.0055299	.002179	.04274	.0047637	.0020911	.17407
%RSD	2.149363	3.230916	.2212957	9.825523	8.622453	.4116991
#1	.2520147	-.067582	19.26658	.0522967	.0232343	42.33021
#2	.2567889	-.065213	19.33659	.0431432	.0228633	42.08888
#3	.2630415	-.069566	19.34408	.0500089	.0266563	42.42686

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.597941**	**.0130073**	**.1396605**	**80.13340**	**.0717550**	**.0692632**
Stddev	.009604	.0000864	.0005266	.28541	.0001952	.0004890
%RSD	.6010183	.6640640	.3770524	.3561655	.2720457	.7060032
#1	1.600805	.0130414	.1390547	80.26670	.0716490	.0689521
#2	1.587231	.0129090	.1399184	79.80573	.0716357	.0698268
#3	1.605787	.0130713	.1400084	80.32776	.0719802	.0690107

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.409492**	**231.2960**	F **103.4747**	**20.96464**	**.0883886**	**.0996588**
Stddev	.004695	.7929	.3692	.08242	.0004399	.0002636
%RSD	.1948650	.3428080	.3567814	.3931214	.4976740	.2645426
#1	2.410984	231.5236	103.8961	21.01117	.0878818	.0998986
#2	2.404232	230.4142	103.2082	20.86948	.0886122	.0993765
#3	2.413260	231.9503	103.3199	21.01326	.0886718	.0997014

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1968852**	**.0643278**	**22.12246**	**8.923214**	**5.631482**	**.9264348**
Stddev	.2841541	.0024084	.08545	.109866	.014986	.0028783
%RSD	144.3248	3.743891	.3862685	1.231236	.2661082	.3106859
#1	.1017383	.0657057	22.20899	9.046370	5.616190	.9274280
#2	-.027486	.0657309	22.03813	8.835274	5.632115	.9231914
#3	.516403	.0615469	22.12026	8.887998	5.646142	.9286849

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-14 Acquired: 1/12/2025 11:58:47 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D65 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2662651	F 132.5508	F 15.62231	.0058155	.7335504	.0825715
Stddev	.0010434	.3819	.06411	.0004026	.0024890	.0003664
%RSD	.3918772	.2881177	.4103873	6.922915	.3393090	.4437803
#1	.2652268	132.1149	15.66366	.0056235	.7359953	.0829519
#2	.2673135	132.8265	15.54846	.0062782	.7310195	.0825417
#3	.2662551	132.7110	15.65482	.0055449	.7336362	.0822208

Elem	Sr4077
Units	ppm
Avg	.1926220
Stddev	.0006716
%RSD	.3486490
#1	.1927898
#2	.1918824
#3	.1931937

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2633.920	63432.14	8711.372	2976.197	3386.111
Stddev	4.122	174.92	9.556	4.531	2.063
%RSD	.1565039	.2757580	.1096995	.1522365	.0609216
#1	2635.515	63301.35	8700.613	2971.819	3388.493
#2	2629.238	63630.83	8718.875	2975.905	3384.947
#3	2637.006	63364.23	8714.628	2980.866	3384.893

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-15 Acquired: 1/12/2025 12:02:48 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D68 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1448267**	**-.044601**	**39.42626**	**.0616456**	**.0613842**	**68.66032**
Stddev	.0010794	.000549	.07325	.0080452	.0010844	.20562
%RSD	.7452826	1.230008	.1857843	13.05068	1.766533	.2994736
#1	.1458405	-.045044	39.46036	.0590207	.0607388	68.72647
#2	.1436919	-.043988	39.34218	.0706753	.0626361	68.82472
#3	.1449475	-.044773	39.47625	.0552406	.0607776	68.42977

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4495460**	**.0603609**	**.3874702**	**103.5527**	**.0654410**	**.2312652**
Stddev	.0028872	.0001104	.0012239	.2963	.0005103	.0007583
%RSD	.6422402	.1828704	.3158700	.2861390	.7798264	.3279124
#1	.4515735	.0604703	.3882988	103.6825	.0659281	.2309078
#2	.4508242	.0603628	.3860645	103.7620	.0654846	.2307516
#3	.4462404	.0602495	.3880475	103.2137	.0649102	.2321362

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.813605**	**338.0205**	F **71.91597**	**52.12029**	**.1467528**	**.0643327**
Stddev	.004015	.7977	.42443	.12846	.0005878	.0012311
%RSD	.0513834	.2359923	.5901747	.2464645	.4005086	1.913645
#1	7.809561	338.1365	72.16971	52.06047	.1472764	.0642623
#2	7.813664	338.7538	71.42598	52.26775	.1461170	.0655975
#3	7.817590	337.1711	72.15221	52.03265	.1468650	.0631383

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5976848**	**.0957647**	F **41.15702**	**6.297168**	**6.908201**	**1.357916**
Stddev	.1177057	.0018088	.44936	.084821	.023728	.000581
%RSD	19.69361	1.888785	1.091808	1.346971	.3434803	.0427768
#1	.4918580	.0938022	40.90961	6.338852	6.933573	1.358245
#2	.7244572	.0973649	41.67571	6.353083	6.886558	1.358258
#3	.5767391	.0961271	40.88574	6.199571	6.904471	1.357245

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-15 Acquired: 1/12/2025 12:02:48 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D68 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0485962	F 85.46251	F 27.55187	.0121851	1.191718	.0967405
Stddev	.0003492	.16875	.06214	.0012877	.007095	.0007706
%RSD	.7185483	.1974579	.2255539	10.56750	.5953966	.7965823
#1	.0482781	85.59034	27.61732	.0131099	1.196870	.0973515
#2	.0489699	85.27123	27.54463	.0127311	1.194658	.0969952
#3	.0485407	85.52596	27.49367	.0107145	1.183625	.0958747

Elem	Sr4077
Units	ppm
Avg	.7592237
Stddev	.0021345
%RSD	.2811481
#1	.7597540
#2	.7610430
#3	.7568739

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2964.735	69508.90	10016.94	3266.869	3336.186
Stddev	10.112	92.15	10.66	15.935	11.138
%RSD	.3410883	.1325769	.1064224	.4877661	.3338627
#1	2959.512	69560.64	10017.01	3272.752	3328.277
#2	2976.391	69402.51	10027.57	3248.829	3348.924
#3	2958.302	69563.56	10006.25	3279.026	3331.358

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-16 Acquired: 1/12/2025 12:07:05 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D71 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6337564	-.022379	23.61509	.0938240	.0500416	35.07287
Stddev	.0032122	.001839	.00551	.0030820	.0003812	.07806
%RSD	.5068461	8.217835	.0233397	3.284927	.7616808	.2225526
#1	.6306544	-.020690	23.61326	.0973209	.0504014	35.13434
#2	.6335464	-.022108	23.61072	.0926480	.0496422	35.09923
#3	.6370684	-.024338	23.62128	.0915031	.0500811	34.98505

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.224731	.0062501	.1120636	86.25944	.0539423	.0800295
Stddev	.001619	.0001575	.0001388	.14841	.0006565	.0002295
%RSD	.1321860	2.519649	.1238988	.1720510	1.217011	.2868034
#1	1.225634	.0061654	.1122052	86.28832	.0537578	.0801103
#2	1.225697	.0061531	.1120579	86.39129	.0546713	.0797705
#3	1.222862	.0064318	.1119277	86.09872	.0533978	.0802077

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.081840	444.7530	F 34.62042	16.53600	.0732012	.1503946
Stddev	.019197	6.2461	.35240	.00960	.0008586	.0012383
%RSD	.2710706	1.404391	1.017902	.0580633	1.172967	.8233773
#1	7.095809	437.5827	34.21473	16.53242	.0722251	.1489724
#2	7.059950	449.0111	34.85057	16.54687	.0738396	.1512340
#3	7.089760	447.6653	34.79597	16.52869	.0735389	.1509774

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6201822	.0413476	23.34234	7.583882	6.197371	1.793157
Stddev	.2350560	.0011926	.02246	.030318	.009795	.030180
%RSD	37.90113	2.884365	.0962269	.3997676	.1580473	1.683092
#1	.7316731	.0424492	23.33123	7.602867	6.186800	1.758541
#2	.3501270	.0400811	23.32760	7.599862	6.199172	1.813949
#3	.7787465	.0415125	23.36819	7.548917	6.206140	1.806981

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-16 Acquired: 1/12/2025 12:07:05 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D71 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2529597	F 297.3196	F 15.15892	.0098694	.6380974	.0605959
Stddev	.0001452	.1720	.02992	.0003195	.0006775	.0016260
%RSD	.0573795	.0578381	.1973460	3.236858	.1061676	2.683343
#1	.2528684	297.1241	15.12667	.0099936	.6377345	.0609815
#2	.2528837	297.3876	15.16434	.0095066	.6376786	.0619944
#3	.2531271	297.4472	15.18576	.0101082	.6388789	.0588118

Elem	Sr4077
Units	ppm
Avg	.1676912
Stddev	.0007139
%RSD	.4257214
#1	.1684678
#2	.1675423
#3	.1670634

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2655.672	62802.88	8926.274	2955.892	3470.505
Stddev	2.264	244.00	19.219	10.851	5.128
%RSD	.0852651	.3885206	.2153047	.3670921	.1477668
#1	2653.092	62904.89	8948.152	2956.333	3464.597
#2	2657.327	62524.43	8912.114	2944.828	3473.806
#3	2656.599	62979.32	8918.556	2966.516	3473.111

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-17 Acquired: 1/12/2025 12:11:14 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D74 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6060685**	**-.019502**	**25.00393**	**.0782695**	**.0588009**	**21.17850**
Stddev	.0030906	.002161	.03935	.0038755	.0007786	.11153
%RSD	.5099386	11.08057	.1573855	4.951463	1.324063	.5266346
#1	.6044554	-.021485	25.01545	.0745948	.0590484	21.05765
#2	.6041182	-.019822	24.96010	.0778950	.0579287	21.20037
#3	.6096319	-.017199	25.03624	.0823186	.0594257	21.27748

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.143240**	**.0060856**	**.0924685**	**86.99135**	**.0429676**	**.0523909**
Stddev	.003212	.0002916	.0002044	.27849	.0001073	.0002575
%RSD	.2809906	4.791802	.2210018	.3201405	.2497728	.4914500
#1	1.139865	.0063884	.0926903	86.69388	.0430273	.0526429
#2	1.143597	.0058067	.0922878	87.03430	.0430317	.0524016
#3	1.146260	.0060618	.0924274	87.24589	.0428437	.0521282

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.785468**	**373.7609**	**27.73081**	**10.71113**	**.0541733**	**.1591661**
Stddev	.006561	1.6771	.04937	.05964	.0004930	.0005334
%RSD	.1370992	.4487083	.1780346	.5568170	.9100516	.3351412
#1	4.784136	372.1061	27.68107	10.69401	.0547332	.1596794
#2	4.792592	373.7172	27.77980	10.66192	.0538040	.1592043
#3	4.779675	375.4595	27.73158	10.77746	.0539828	.1586146

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7295100**	**.0379017**	**20.68856**	**7.349074**	**5.764888**	**1.501281**
Stddev	.0830219	.0012380	.02455	.048833	.000626	.013752
%RSD	11.38050	3.266271	.1186752	.6644840	.0108667	.9159860
#1	.6381920	.0384285	20.69334	7.292880	5.765183	1.487168
#2	.7499026	.0364874	20.66196	7.381222	5.765312	1.502037
#3	.8004355	.0387891	20.71036	7.373119	5.764169	1.514640

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-17 Acquired: 1/12/2025 12:11:14 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D74 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2450170	F 235.6601	F 12.95967	.0079716	.5779275	.0346770
Stddev	.0004561	.4750	.09167	.0005983	.0037469	.0006365
%RSD	.1861558	.2015633	.7073331	7.505081	.6483403	1.835469
#1	.2453264	235.8059	13.05119	.0083141	.5813088	.0352550
#2	.2452314	235.1292	12.95998	.0083198	.5785744	.0339949
#3	.2444932	236.0451	12.86785	.0072807	.5738991	.0347811

Elem	Sr4077
Units	ppm
Avg	.1764840
Stddev	.0010452
%RSD	.5922139
#1	.1753898
#2	.1765902
#3	.1774720

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2549.185	61862.31	8608.637	2900.528	3412.362
Stddev	2.804	29.22	58.906	4.584	4.638
%RSD	.1099931	.0472318	.6842644	.1580540	.1359218
#1	2548.029	61889.23	8546.466	2895.333	3407.063
#2	2552.382	61866.47	8615.827	2902.244	3415.685
#3	2547.144	61831.24	8663.617	2904.006	3414.338

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-18 Acquired: 1/12/2025 12:15:15 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D74D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6025531**	**-.016803**	**24.78173**	**.0760972**	**.0613662**	**21.00068**
Stddev	.0051732	.000799	.04675	.0021657	.0006234	.14289
%RSD	.8585467	4.754871	.1886584	2.845932	1.015925	.6804067
#1	.5991607	-.017720	24.78287	.0748342	.0619195	20.97803
#2	.5999913	-.016429	24.73441	.0785978	.0614885	21.15354
#3	.6085073	-.016260	24.82790	.0748595	.0606908	20.87046

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.139422**	**.0058743**	**.0915591**	**86.21568**	**.0424434**	**.0516969**
Stddev	.007347	.0000519	.0004630	.39813	.0002644	.0000829
%RSD	.6448442	.8828546	.5056637	.4617808	.6229190	.1602872
#1	1.142532	.0058264	.0914301	86.31321	.0421507	.0517864
#2	1.144703	.0058671	.0911742	86.55599	.0425147	.0516229
#3	1.131031	.0059294	.0920729	85.77786	.0426649	.0516813

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.748396**	**370.7484**	**27.36382**	**10.56487**	**.0535904**	**.1567042**
Stddev	.006085	1.9932	.06089	.04713	.0005135	.0012225
%RSD	.1281573	.5376079	.2225132	.4460629	.9581452	.7801121
#1	4.746766	370.7005	27.43362	10.57757	.0535614	.1571947
#2	4.755130	372.7652	27.33623	10.60434	.0530921	.1576052
#3	4.743291	368.7797	27.32161	10.51269	.0541178	.1553126

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5281866**	**.0353600**	**20.64982**	**7.283288**	**5.662027**	**1.498217**
Stddev	.1448646	.0022550	.07997	.109971	.023519	.009193
%RSD	27.42678	6.377355	.3872611	1.509905	.4153734	.6135831
#1	.5296813	.0338178	20.64244	7.349613	5.657040	1.496726
#2	.3825804	.0343140	20.73323	7.343902	5.641403	1.508064
#3	.6722980	.0379480	20.57380	7.156347	5.687640	1.489861

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-18 Acquired: 1/12/2025 12:15:15 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D74D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2451227	F 230.9329	F 12.83749	.0073852	.5669793	.0331280
Stddev	.0017842	1.2317	.02025	.0006431	.0028973	.0006384
%RSD	.7278809	.5333621	.1577174	8.708596	.5110036	1.927025
#1	.2437039	230.7887	12.84267	.0074868	.5693223	.0327743
#2	.2445384	229.7796	12.85464	.0079714	.5678759	.0327446
#3	.2471258	232.2303	12.81516	.0066972	.5637397	.0338649

Elem	Sr4077
Units	ppm
Avg	.1788522
Stddev	.0011490
%RSD	.6424261
#1	.1785022
#2	.1801355
#3	.1779190

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2575.050	62330.60	8723.201	2906.103	3462.924
Stddev	8.063	227.54	3.280	16.904	8.118
%RSD	.3131066	.3650508	.0376064	.5816579	.2344120
#1	2581.511	62220.82	8719.417	2903.018	3469.139
#2	2577.625	62178.76	8724.930	2890.954	3465.893
#3	2566.015	62592.21	8725.254	2924.336	3453.740

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-17LX5 Acquired: 1/12/2025 12:19:16 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D74L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1181299**	**-.004773**	**5.077038**	**.0166107**	**.0108941**	**4.254944**
Stddev	.0014806	.000864	.012074	.0008670	.0012936	.066345
%RSD	1.253346	18.11118	.2378174	5.219453	11.87472	1.559253
#1	.1167761	-.003850	5.069243	.0176030	.0115148	4.181328
#2	.1179026	-.004904	5.070925	.0162295	.0117603	4.310115
#3	.1197110	-.005564	5.090946	.0159997	.0094070	4.273389

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2260518**	**.0012865**	**.0185855**	**17.73477**	**.0088930**	**.0106211**
Stddev	.0040123	.0000585	.0000665	.29787	.0002216	.0000191
%RSD	1.774936	4.548149	.3578684	1.679577	2.492046	.1796056
#1	.2215257	.0013173	.0186509	17.41007	.0088374	.0106255
#2	.2291716	.0013232	.0185179	17.99537	.0091371	.0106003
#3	.2274581	.0012191	.0185878	17.79888	.0087045	.0106377

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9845632**	**76.90389**	**5.680701**	**2.195015**	**.0111598**	**.0322923**
Stddev	.0105629	1.21775	.089403	.011150	.0001588	.0005110
%RSD	1.072854	1.583473	1.573808	.5079627	1.422726	1.582460
#1	.9727714	75.51783	5.584280	2.185689	.0112896	.0317045
#2	.9931593	77.80199	5.760852	2.191991	.0112070	.0326304
#3	.9877587	77.39184	5.696972	2.207365	.0109828	.0325421

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3111392**	**.0050510**	**4.858415**	**1.543274**	**1.141192**	**.3054690**
Stddev	.2319554	.0013035	.093211	.085706	.005733	.0057181
%RSD	74.55037	25.80636	1.918550	5.553529	.5023397	1.871907
#1	.0871956	.0049595	4.752332	1.444674	1.136619	.2988839
#2	.2958700	.0037956	4.927212	1.585219	1.139333	.3091789
#3	.5503520	.0063977	4.895699	1.599930	1.147623	.3083442

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-17LX5 Acquired: 1/12/2025 12:19:16 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D74L Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0494713	F 47.30822	2.665024	.0001386	.1183259	.0052508
Stddev	.0002317	.14472	.008838	.0007980	.0003197	.0016929
%RSD	.4683266	.3059150	.3316411	575.7635	.2701852	32.24192
#1	.0492274	47.21923	2.654833	-.000565	.1180271	.0072004
#2	.0496884	47.23021	2.670580	-.000026	.1186631	.0043999
#3	.0494983	47.47521	2.669661	.001006	.1182875	.0041520

Elem	Sr4077
Units	ppm
Avg	.0358544
Stddev	.0004405
%RSD	1.228449
#1	.0353492
#2	.0361575
#3	.0360566

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2620.663	61981.46	8469.985	2929.391	3636.659
Stddev	1.697	853.32	39.360	33.997	4.236
%RSD	.0647729	1.376734	.4647011	1.160551	.1164864
#1	2622.612	62966.66	8515.070	2968.641	3638.585
#2	2619.511	61475.34	8452.413	2909.154	3639.589
#3	2619.865	61502.38	8442.471	2910.377	3631.801

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-19 Acquired: 1/12/2025 12:23:16 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D74S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6534412**	**.0783348**	**24.31051**	**.2357976**	**.2126826**	**23.80149**
Stddev	.0048312	.0028226	.18351	.0024512	.0050718	.08772
%RSD	.7393499	3.603215	.7548409	1.039542	2.384668	.3685608
#1	.6511124	.0785691	24.24263	.2379844	.2110181	23.70199
#2	.6502154	.0754024	24.17061	.2331479	.2086521	23.83480
#3	.6589957	.0810329	24.51828	.2362605	.2183774	23.86768

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.585883**	**.0991952**	**.1800447**	**85.22374**	**.4321743**	**.9621546**
Stddev	.032865	.0002539	.0012841	.49502	.0026952	.0067441
%RSD	.7166491	.2560000	.7132087	.5808443	.6236313	.7009371
#1	4.552185	.0989140	.1795665	84.65912	.4290669	.9582464
#2	4.617846	.0992638	.1790683	85.58315	.4338760	.9582753
#3	4.587618	.0994078	.1814993	85.42895	.4335800	.9699420

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.124478**	**366.5397**	**28.02378**	**10.40744**	**.9700648**	**.2238385**
Stddev	.007467	1.9420	.18301	.05079	.0063192	.0012579
%RSD	.1457137	.5298320	.6530680	.4880111	.6514237	.5619834
#1	5.119933	364.3073	28.01091	10.35007	.9679458	.2223899
#2	5.120406	367.4725	28.21290	10.42559	.9650773	.2246556
#3	5.133096	367.8395	27.84755	10.44666	.9771712	.2244700

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6515945**	**.9805087**	**21.19589**	**7.202171**	**5.617937**	**1.479104**
Stddev	.3027189	.0046460	.08960	.046443	.044376	.007503
%RSD	46.45817	.4738326	.4227424	.6448432	.7899063	.5072713
#1	.8104497	.9751603	21.10420	7.148658	5.600172	1.470461
#2	.8418194	.9828206	21.20021	7.225895	5.585195	1.482907
#3	.3025144	.9835451	21.28325	7.231961	5.668443	1.483945

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-19 Acquired: 1/12/2025 12:23:16 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D74S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2402392	F 226.7301	F 12.88521	.0076128	.5665505	.0336911
Stddev	.0023167	1.9373	.06021	.0010253	.0029541	.0017337
%RSD	.9643484	.8544694	.4672927	13.46843	.5214169	5.145973
#1	.2396437	226.3569	12.82150	.0064709	.5632814	.0318433
#2	.2382784	225.0066	12.94117	.0084545	.5690284	.0339477
#3	.2427956	228.8269	12.89295	.0079132	.5673417	.0352822

Elem	Sr4077
Units	ppm
Avg	.1733611
Stddev	.0007870
%RSD	.4539835
#1	.1725762
#2	.1733569
#3	.1741503

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2575.808	61958.10	8589.301	2877.446	3473.869
Stddev	20.703	424.06	32.980	16.631	24.845
%RSD	.8037338	.6844377	.3839664	.5779711	.7151840
#1	2585.059	62446.96	8626.149	2893.836	3484.983
#2	2590.271	61738.05	8579.203	2877.917	3491.217
#3	2552.092	61689.29	8562.550	2860.585	3445.408

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-01RE Acquired: 1/12/2025 12:27:14 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D28 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0124737**	**-.025409**	**.6521784**	**.0034406**	**-.002873**	**25.92797**
Stddev	.0007481	.003322	.0020548	.0011993	.001718	.11106
%RSD	5.997596	13.07448	.3150730	34.85718	59.80416	.4283221
#1	.0130644	-.021910	.6524137	.0033627	-.004427	26.05575
#2	.0116325	-.025798	.6500161	.0046769	-.001028	25.87348
#3	.0127243	-.028520	.6541056	.0022821	-.003166	25.85469

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0621260**	**.0182259**	**.3611262**	**60.69858**	**.0183585**	**.0443928**
Stddev	.0009463	.0000441	.0003419	.24413	.0001566	.0002385
%RSD	1.523278	.2421561	.0946638	.4021953	.8531234	.5371970
#1	.0630070	.0182350	.3611638	60.97707	.0183496	.0442382
#2	.0611256	.0181779	.3614477	60.59715	.0185195	.0442728
#3	.0622454	.0182647	.3607671	60.52153	.0182066	.0446674

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.80942**	**15.13588**	F **102.4695**	**6.685139**	**.0479468**	**.0401067**
Stddev	.01291	.06449	.4613	.022568	.0004694	.0000970
%RSD	.0816869	.4260748	.4501578	.3375870	.9788900	.2417657
#1	15.80188	15.20893	102.8118	6.703231	.0474267	.0401384
#2	15.82433	15.11192	101.9450	6.659850	.0480750	.0399978
#3	15.80205	15.08681	102.6519	6.692335	.0483388	.0401838

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.996212**	**-.025082**	F **40.27434**	**2.213284**	**6.231244**	**.2708965**
Stddev	.190946	.000629	.13457	.005533	.014642	.0019305
%RSD	6.372903	2.506213	.3341235	.2500011	.2349695	.7126305
#1	3.216697	-.024613	40.39725	2.214753	6.244598	.2707060
#2	2.886172	-.024837	40.29521	2.217934	6.233547	.2729151
#3	2.885767	-.025797	40.13056	2.207164	6.215588	.2690683

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-01RE Acquired: 1/12/2025 12:27:14 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D28 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.020496	F 341.9221	F 27.56583	-.002300	-.001541	.0319751
Stddev	.000317	.2820	.06981	.000421	.000434	.0006799
%RSD	1.544383	.0824760	.2532649	18.29728	28.18017	2.126453
#1	-.020744	341.9354	27.62329	-.002275	-.001125	.0313889
#2	-.020139	342.1972	27.58606	-.002732	-.001506	.0318158
#3	-.020605	341.6337	27.48813	-.001891	-.001991	.0327205

Elem	Sr4077
Units	ppm
Avg	.1680893
Stddev	.0006636
%RSD	.3947971
#1	.1687806
#2	.1680299
#3	.1674573

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3495.585	83233.84	11171.11	3917.431	3592.996
Stddev	11.105	199.53	19.83	17.296	12.489
%RSD	.3177005	.2397216	.1775148	.4415096	.3475921
#1	3507.615	83009.99	11190.39	3934.975	3606.782
#2	3493.415	83298.56	11150.77	3916.924	3589.771
#3	3485.724	83392.98	11172.17	3900.394	3582.437

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV007 Acquired: 1/12/2025 12:37:31 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV007 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.681340**	**4.702981**	**23.62432**	**4.738560**	**4.621397**	**361.8504**
Stddev	.014954	.006928	.07802	.010091	.007705	5.3131
%RSD	.3194469	.1473117	.3302673	.2129599	.1667216	1.468302
#1	4.664451	4.704843	23.53574	4.727257	4.614467	365.7581
#2	4.686673	4.708787	23.68286	4.741758	4.620030	363.9924
#3	4.692898	4.695312	23.65436	4.746665	4.629694	355.8007

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.043763**	**.5241594**	**2.429778**	**366.2416**	**14.81949**	**2.387602**
Stddev	.057252	.0028912	.007242	6.1047	.05149	.007299
%RSD	.6330598	.5515847	.2980682	1.666838	.3474574	.3056847
#1	8.998262	.5208233	2.421422	372.8621	14.86201	2.379428
#2	9.108047	.5259358	2.434247	365.0276	14.83423	2.393466
#3	9.024979	.5257191	2.433666	360.8352	14.76224	2.389912

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.14966**	**367.9136**	**13.75473**	**229.6221**	**2.388455**	**1.174349**
Stddev	.01887	2.2698	.07769	1.3591	.005526	.003446
%RSD	.1333809	.6169442	.5648035	.5918726	.2313756	.2934684
#1	14.15754	370.5188	13.84444	231.1778	2.382125	1.176816
#2	14.12813	366.3628	13.71046	228.6659	2.390918	1.175819
#3	14.16332	366.8591	13.70931	229.0226	2.392321	1.170411

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**372.8523**	**2.280720**	**14.34288**	**138.7214**	**4.790134**	F **5.630257**
Stddev	.9232	.003667	.04276	.8975	.017858	.008834
%RSD	.2475983	.1607628	.2981415	.6469679	.3728180	.1569072
#1	372.9263	2.282058	14.34581	139.7355	4.770135	5.620537
#2	371.8944	2.276572	14.38411	138.0297	4.804488	5.632439
#3	373.7363	2.283529	14.29873	138.3989	4.795779	5.637796

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV007 Acquired: 1/12/2025 12:37:31 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV007 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.505594**	**4.864845**	**4.540940**	**4.725981**	**4.557539**	F **4.302113**
Stddev	.009979	.010679	.013912	.015035	.009532	.029885
%RSD	.2214723	.2195167	.3063710	.3181374	.2091499	.6946615
#1	4.494073	4.852515	4.543317	4.708881	4.552778	4.336621
#2	4.511230	4.870912	4.525993	4.737127	4.551325	4.284891
#3	4.511480	4.871110	4.553511	4.731934	4.568514	4.284826

Elem	Sr4077
Units	ppm
Avg	**4.807493**
Stddev	.019640
%RSD	.4085281
#1	4.798019
#2	4.794386
#3	4.830074

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2056.901**	**52299.92**	**7924.176**	**2478.354**	**2760.056**
Stddev	7.924	156.97	29.114	3.189	12.507
%RSD	.3852304	.3001356	.3674111	.1286560	.4531520
#1	2066.019	52122.92	7956.471	2482.029	2774.196
#2	2051.685	52354.60	7916.117	2476.714	2750.440
#3	2052.999	52422.24	7899.940	2476.320	2755.531

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB007 Acquired: 1/12/2025 12:41:49 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB007 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000412**	**.0003642**	**.0009637**	**.0007206**	**-.000126**	**-.000829**	**-.001800**
Stddev	.001383	.0004362	.0021567	.0030346	.001658	.003944	.000277
%RSD	335.5975	119.7592	223.7858	421.1239	1317.993	475.9967	15.40060
#1	-.000835	.0002824	.0005706	-.001266	-.002040	-.002947	-.001485
#2	-.001535	.0008354	-.000969	.004214	.000856	-.003261	-.001904
#3	.001133	-.000025	.003290	-.000786	.000807	.003722	-.002009

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000112**	**.0000683**	**.0147227**	**.0002196**	**.0001706**	**.0019320**	**.0164638**
Stddev	.0000377	.0000988	.0038956	.0001638	.0002504	.0007218	.0050329
%RSD	336.4660	144.4895	26.45967	74.57360	146.7764	37.36280	30.56925
#1	-.000004	.0001519	.0102246	.0004087	-.000001	.0011011	.0193919
#2	.000054	.0000938	.0169442	.0001266	.000055	.0022903	.0106524
#3	-.000016	-.000041	.0169994	.0001236	.000458	.0024045	.0193470

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019563**	**.0195505**	**-.000459**	**.0003932**	**.0636548**	**-.002874**	**.0018697**
Stddev	.0003508	.0112843	.000406	.0001777	.1784827	.001072	.0003238
%RSD	17.92979	57.71893	88.40554	45.20182	280.3914	37.29006	17.31939
#1	.0019134	.0206175	-.000540	.0003683	.2690926	-.001990	.0022348
#2	.0016290	.0077705	-.000019	.0002292	-.053297	-.004066	.0016173
#3	.0023265	.0302634	-.000817	.0005820	-.024832	-.002566	.0017569

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1241053**	**-.001930**	**.0030312**	**.0004274**	**.0161051**	**.0075308**	**-.000585**
Stddev	.0562832	.001235	.0006723	.0000711	.0015753	.0148823	.000121
%RSD	45.35118	64.01572	22.18061	16.64383	9.781513	197.6180	20.65114
#1	.0647354	-.000677	.0037310	.0003604	.0178935	.0186883	-.000605
#2	.1308946	-.003147	.0029725	.0004197	.0154986	-.009367	-.000695
#3	.1766859	-.001965	.0023902	.0005020	.0149231	.013271	-.000456

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB007 Acquired: 1/12/2025 12:41:49 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB007 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0005082	.0007651	.0001078
Stddev	.0004867	.0012012	.0000654
%RSD	95.76775	156.9973	60.61699
#1	.0001029	.0011096	.0001702
#2	.0003737	-.000571	.0000398
#3	.0010480	.001756	.0001135

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2588.279	61524.99	8207.262	2918.164	3620.339
Stddev	4.519	243.00	64.471	5.255	1.213
%RSD	.1745912	.3949601	.7855409	.1800726	.0335035
#1	2593.494	61648.22	8146.996	2919.852	3620.986
#2	2585.523	61245.06	8199.547	2912.273	3621.091
#3	2585.820	61681.69	8275.244	2922.368	3618.939

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-01 Acquired: 1/12/2025 12:45:59 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMY5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0858426**	**-.001910**	**2.338664**	**.0258770**	**-.000604**	**53.67109**
Stddev	.0005613	.001281	.003531	.0011037	.000606	.37372
%RSD	.6538720	67.06976	.1509792	4.265301	100.3772	.6963126
#1	.0862340	-.000726	2.338007	.0256454	-.000000	53.50373
#2	.0851995	-.003270	2.342477	.0249075	-.000599	54.09924
#3	.0860942	-.001734	2.335507	.0270782	-.001212	53.41029

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.246202**	**.0042513**	**.0084308**	**80.81167**	**.2273632**	**.0636475**
Stddev	.007184	.0001310	.0000659	.43021	.0016645	.0000986
%RSD	.5764765	3.081920	.7813643	.5323588	.7320961	.1549138
#1	1.242539	.0042944	.0084412	80.61801	.2257851	.0637597
#2	1.254479	.0041042	.0083603	81.30467	.2291025	.0635745
#3	1.241587	.0043554	.0084908	80.51233	.2272020	.0636083

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3052597**	**118.5961**	**6.915146**	**24.65512**	**.1495793**	**-.008392**
Stddev	.0010875	.6844	.039003	.20384	.0001516	.000288
%RSD	.3562427	.5770962	.5640282	.8267468	.1013653	3.432553
#1	.3042674	118.2964	6.887158	24.52478	.1494156	-.008242
#2	.3064222	119.3792	6.959698	24.89002	.1497150	-.008724
#3	.3050895	118.1126	6.898583	24.55057	.1496073	-.008209

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5118036**	**.1193051**	**1.739254**	**8.865223**	F **15.75976**	**.5291959**
Stddev	.0470241	.0028112	.013235	.073597	.04218	.0032696
%RSD	9.187914	2.356304	.7609373	.8301736	.2676417	.6178392
#1	.4602104	.1185258	1.724655	8.874988	15.78517	.5272924
#2	.5522585	.1224236	1.742639	8.933450	15.78305	.5329712
#3	.5229420	.1169657	1.750467	8.787232	15.71107	.5273240

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-01 Acquired: 1/12/2025 12:45:59 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMY5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054407	4.451021	F 20.07474	.0593138	.8111964	.0826947
Stddev	.0002091	.014496	.06273	.0003491	.0024019	.0006276
%RSD	3.843454	.3256724	.3124740	.5885208	.2960956	.7589400
#1	.0055279	4.467682	20.01289	.0590138	.8122280	.0822960
#2	.0055921	4.444080	20.07302	.0596969	.8129102	.0823700
#3	.0052021	4.441301	20.13831	.0592306	.8084510	.0834182

Elem	Sr4077
Units	ppm
Avg	.1740950
Stddev	.0009498
%RSD	.5455720
#1	.1737887
#2	.1751601
#3	.1733361

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3104.448	72498.28	10230.31	3419.008	3487.820
Stddev	4.731	327.99	17.25	15.142	1.136
%RSD	.1524059	.4524117	.1686367	.4428750	.0325568
#1	3101.797	72736.17	10222.23	3435.928	3486.933
#2	3109.910	72124.12	10250.13	3406.731	3487.428
#3	3101.635	72634.54	10218.59	3414.366	3489.100

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-02 Acquired: 1/12/2025 12:49:55 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMY6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1117436	-.002434	2.550161	.0270893	-.000495	58.64223
Stddev	.0008143	.001498	.002048	.0007337	.001328	.15630
%RSD	.7287451	61.52974	.0803213	2.708494	268.1727	.2665262
#1	.1114530	-.001091	2.547804	.0273977	.000676	58.50419
#2	.1126633	-.004049	2.551178	.0262518	-.000224	58.61057
#3	.1111144	-.002162	2.551503	.0276185	-.001938	58.81193

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.501779	.0044575	.0095961	90.09525	.2607889	.0695486
Stddev	.005536	.0001217	.0001533	.36002	.0009375	.0005685
%RSD	.3686308	2.730186	1.597917	.3996024	.3594819	.8173993
#1	1.501599	.0044847	.0097272	89.83716	.2608983	.0701911
#2	1.496334	.0045634	.0096336	89.94205	.2598015	.0693439
#3	1.507402	.0043245	.0094275	90.50653	.2616669	.0691109

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3513543	129.7798	7.588087	27.70032	.1746221	-.009290
Stddev	.0011896	.4258	.024805	.15711	.0010030	.000374
%RSD	.3385832	.3280995	.3268956	.5671616	.5743958	4.021258
#1	.3499826	129.3627	7.571423	27.55861	.1734756	-.009317
#2	.3519765	129.7629	7.576244	27.67308	.1753374	-.008904
#3	.3521038	130.2138	7.616594	27.86926	.1750533	-.009650

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4603606	.1282546	1.985676	9.738067	F 18.09763	.5821791
Stddev	.0917614	.0018879	.001317	.034883	.00569	.0016909
%RSD	19.93250	1.471965	.0663228	.3582162	.0314174	.2904418
#1	.4849754	.1265441	1.984156	9.697933	18.09177	.5803591
#2	.3588022	.1279395	1.986466	9.755173	18.09798	.5824768
#3	.5373041	.1302802	1.986407	9.761097	18.10313	.5837013

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-02 Acquired: 1/12/2025 12:49:55 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMY6 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049955	4.416854	F 19.82705	.0738521	.8718831	.0910271
Stddev	.0001811	.000847	.16291	.0018498	.0066686	.0007150
%RSD	3.625990	.0191760	.8216302	2.504669	.7648511	.7855121
#1	.0048439	4.416397	19.64642	.0724773	.8643156	.0906449
#2	.0051962	4.416334	19.87193	.0759551	.8744342	.0905844
#3	.0049466	4.417831	19.96282	.0731238	.8768996	.0918520

Elem	Sr4077
Units	ppm
Avg	.1942838
Stddev	.0007016
%RSD	.3611218
#1	.1934993
#2	.1945009
#3	.1948512

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3078.178	71827.75	10302.86	3390.309	3403.069
Stddev	.825	21.24	63.48	11.049	2.557
%RSD	.0267962	.0295749	.6161404	.3258923	.0751340
#1	3077.261	71812.25	10375.57	3380.073	3402.688
#2	3078.414	71851.97	10258.50	3388.833	3405.795
#3	3078.860	71819.04	10274.49	3402.022	3400.724

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-03 Acquired: 1/12/2025 12:53:50 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMY7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1257196**	**-.004118**	**2.318010**	**.0267331**	**-.002680**	**60.31993**
Stddev	.0016790	.000808	.001723	.0024685	.002487	.27933
%RSD	1.335489	19.62836	.0743300	9.234072	92.80784	.4630825
#1	.1275798	-.004930	2.317245	.0278416	-.005551	60.60644
#2	.1243165	-.004111	2.316802	.0284530	-.001310	60.30496
#3	.1252627	-.003314	2.319983	.0239046	-.001179	60.04838

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.437776**	**.0047504**	**.0093475**	**100.9475**	**.1986176**	**.0706801**
Stddev	.009136	.0001184	.0000844	.3806	.0015457	.0003054
%RSD	.6354531	2.492757	.9033664	.3770269	.7782274	.4321385
#1	1.447139	.0048677	.0092522	101.3238	.1992449	.0704256
#2	1.437304	.0046308	.0094130	100.9561	.1968569	.0705960
#3	1.428885	.0047528	.0093773	100.5627	.1997511	.0710188

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3233449**	**134.9869**	**8.016117**	**26.53568**	**.1636634**	**-.010343**
Stddev	.0020970	.4314	.037768	.09780	.0003000	.000394
%RSD	.6485376	.3195611	.4711503	.3685480	.1833196	3.804795
#1	.3211985	135.3991	8.052266	26.63880	.1635914	-.010540
#2	.3253888	135.0228	8.019169	26.52398	.1634059	-.009890
#3	.3234474	134.5387	7.976916	26.44426	.1639929	-.010600

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6382201**	**.1338482**	**1.633449**	**9.499287**	F **17.85421**	**.5972546**
Stddev	.1824942	.0022085	.019872	.021716	.03387	.0039903
%RSD	28.59425	1.649986	1.216541	.2286069	.1897026	.6681111
#1	.8447492	.1352966	1.638355	9.523237	17.86684	.6007301
#2	.5711968	.1349417	1.611584	9.480880	17.81584	.5981368
#3	.4987142	.1313063	1.650408	9.493743	17.87995	.5928970

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-03 Acquired: 1/12/2025 12:53:50 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMY7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044393	3.052659	F 19.96655	.0823188	.9145249	.0932718
Stddev	.0002595	.011896	.04303	.0006855	.0023557	.0002944
%RSD	5.844755	.3896952	.2155039	.8327686	.2575909	.3156908
#1	.0042050	3.038942	20.00906	.0821766	.9171329	.0930768
#2	.0043948	3.058886	19.92302	.0817155	.9138905	.0936105
#3	.0047182	3.060149	19.96757	.0830643	.9125513	.0931281

Elem	Sr4077
Units	ppm
Avg	.2449676
Stddev	.0013628
%RSD	.5563016
#1	.2461743
#2	.2452390
#3	.2434896

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3120.382	72863.89	10278.56	3415.156	3427.655
Stddev	7.833	518.16	97.58	35.659	4.562
%RSD	.2510222	.7111360	.9493564	1.044126	.1330861
#1	3111.340	72749.29	10290.14	3407.348	3422.598
#2	3125.103	73429.76	10369.84	3454.071	3431.459
#3	3124.702	72412.62	10175.71	3384.048	3428.908

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-04 Acquired: 1/12/2025 12:57:45 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMY8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0719720	-.002854	.6322990	.0223029	-.003414	54.67250
Stddev	.0018587	.000840	.0022151	.0009954	.001756	.05103
%RSD	2.582586	29.42518	.3503194	4.463130	51.43253	.0933392
#1	.0740971	-.003106	.6305553	.0221490	-.004886	54.64110
#2	.0711694	-.003540	.6347914	.0213935	-.003884	54.64502
#3	.0706493	-.001917	.6315503	.0233664	-.001471	54.73138

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.471786	.0042671	.0070631	57.43560	.1077114	.0640262
Stddev	.002601	.0000707	.0000556	.07267	.0005328	.0002400
%RSD	.1767427	1.655833	.7867267	.1265323	.4946891	.3747806
#1	1.468842	.0043420	.0071253	57.35404	.1077106	.0638247
#2	1.473772	.0042016	.0070183	57.49349	.1071790	.0639623
#3	1.472746	.0042577	.0070458	57.45927	.1082447	.0642917

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2433905	117.0115	10.11771	20.64362	.1380353	-.008984
Stddev	.0010267	.0749	.01330	.06521	.0006478	.000073
%RSD	.4218144	.0640147	.1315013	.3158989	.4692897	.8129869
#1	.2422159	116.9730	10.10361	20.60669	.1372940	-.008906
#2	.2438386	117.0978	10.13004	20.71892	.1384926	-.009051
#3	.2441169	116.9636	10.11948	20.60526	.1383192	-.008995

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5182172	.1094880	.9614690	7.097371	F 13.27376	.5130100
Stddev	.2360132	.0021249	.0043028	.010135	.01374	.0009078
%RSD	45.54329	1.940779	.4475279	.1427945	.1035308	.1769545
#1	.6411418	.1083613	.9661803	7.086278	13.27873	.5125347
#2	.6673953	.1081638	.9604795	7.106145	13.28433	.5124385
#3	.2461145	.1119390	.9577470	7.099690	13.25823	.5140567

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-04 Acquired: 1/12/2025 12:57:45 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMY8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035759	2.651459	F 19.06839	.0324571	.7084256	.0789309
Stddev	.0002852	.005433	.04320	.0012014	.0010149	.0004760
%RSD	7.975144	.2049161	.2265630	3.701439	.1432596	.6030614
#1	.0037023	2.657728	19.09219	.0335046	.7095006	.0783909
#2	.0032493	2.648108	19.01852	.0311457	.7074840	.0792898
#3	.0037760	2.648541	19.09445	.0327209	.7082922	.0791119

Elem	Sr4077
Units	ppm
Avg	.1670616
Stddev	.0000926
%RSD	.0553965
#1	.1669625
#2	.1671457
#3	.1670766

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3108.193	73654.36	10321.40	3491.861	3428.352
Stddev	2.365	91.30	22.16	13.408	1.364
%RSD	.0761033	.1239581	.2147311	.3839887	.0397880
#1	3105.862	73595.82	10304.67	3478.450	3426.905
#2	3110.591	73759.56	10346.54	3491.866	3429.614
#3	3108.125	73607.71	10313.00	3505.267	3428.537

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-05 Acquired: 1/12/2025 13:01:42 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMY9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0652101**	**-.005324**	**.6036581**	**.0277110**	**-.001790**	**63.47488**
Stddev	.0018117	.000934	.0030793	.0008737	.000982	.04134
%RSD	2.778307	17.54667	.5100987	3.153037	54.85466	.0651313
#1	.0671703	-.004560	.6027010	.0285699	-.002905	63.42876
#2	.0648631	-.005046	.6011710	.0268231	-.001057	63.48726
#3	.0635971	-.006365	.6071022	.0277400	-.001406	63.50861

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.483514**	**.0048059**	**.0091451**	**56.94305**	**.1126498**	**.0773449**
Stddev	.003165	.0000997	.0000815	.13703	.0000567	.0004405
%RSD	.2133139	2.075639	.8906287	.2406382	.0503661	.5694980
#1	1.481112	.0048260	.0090564	56.85116	.1125995	.0778367
#2	1.482331	.0048940	.0091624	56.87745	.1127113	.0772113
#3	1.487100	.0046976	.0092165	57.10055	.1126386	.0769867

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2776767**	**134.6715**	**11.56229**	**22.41852**	**.1571468**	**-.009764**
Stddev	.0017251	.1798	.02613	.02890	.0008965	.000293
%RSD	.6212745	.1335227	.2260348	.1289164	.5704890	3.003099
#1	.2795894	134.5227	11.54599	22.38882	.1580230	-.009524
#2	.2762383	134.6205	11.54844	22.42020	.1562312	-.010091
#3	.2772024	134.8713	11.59243	22.44655	.1571862	-.009677

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4573088**	**.1202572**	**1.040878**	**6.698484**	F **14.07278**	**.5844754**
Stddev	.1788106	.0016024	.004216	.020834	.02740	.0020778
%RSD	39.10063	1.332462	.4050616	.3110256	.1947084	.3555055
#1	.5849171	.1192457	1.045277	6.700189	14.10425	.5823765
#2	.5340762	.1194212	1.040486	6.676850	14.05425	.5845183
#3	.2529333	.1221047	1.036872	6.718413	14.05982	.5865315

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-05 Acquired: 1/12/2025 13:01:42 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMY9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054584	2.994107	F 19.41908	.0247980	.6893954	.0911092
Stddev	.0002750	.016550	.07025	.0004635	.0023101	.0008479
%RSD	5.038977	.5527473	.3617790	1.869231	.3350914	.9306606
#1	.0054470	3.011238	19.49913	.0251866	.6920138	.0905141
#2	.0051892	2.992875	19.36769	.0242849	.6876452	.0907335
#3	.0057389	2.978207	19.39041	.0249224	.6885271	.0920801

Elem	Sr4077
Units	ppm
Avg	.1747782
Stddev	.0000448
%RSD	.0256367
#1	.1747446
#2	.1748291
#3	.1747609

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3221.505	76105.03	10882.73	3612.288	3352.717
Stddev	5.244	112.26	51.54	12.942	3.469
%RSD	.1627789	.1475107	.4736245	.3582667	.1034788
#1	3217.255	76080.91	10825.75	3598.355	3348.754
#2	3219.895	76006.79	10896.36	3614.579	3355.205
#3	3227.365	76227.39	10926.09	3623.932	3354.192

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-06 Acquired: 1/12/2025 13:05:38 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMZ0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0393365**	**-.001758**	**.3159893**	**.0188835**	**-.001798**	**70.77316**
Stddev	.0031374	.001277	.0016425	.0015026	.000570	.16972
%RSD	7.975748	72.61776	.5197893	7.957332	31.71440	.2398071
#1	.0383571	-.003178	.3158406	.0172545	-.002087	70.92863
#2	.0368056	-.001393	.3177010	.0202153	-.001141	70.79874
#3	.0428468	-.000704	.3144262	.0191807	-.002167	70.59210

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9811324**	**.0033178**	**.0042921**	**53.80461**	**.1296465**	**.0505028**
Stddev	.0015611	.0001128	.0000586	.05697	.0008741	.0003138
%RSD	.1591081	3.400833	1.365181	.1058810	.6742410	.6212551
#1	.9809823	.0031898	.0042987	53.86401	.1286891	.0508597
#2	.9796518	.0033603	.0042305	53.75043	.1304020	.0503781
#3	.9827631	.0034031	.0043471	53.79940	.1298484	.0502705

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1704259**	**100.3342**	**2.779941**	**21.16288**	**.1376385**	**-.008435**
Stddev	.0023743	.2193	.001871	.03654	.0002272	.000224
%RSD	1.393146	.2185478	.0672982	.1726754	.1650667	2.655514
#1	.1680461	100.5023	2.777998	21.20250	.1374513	-.008176
#2	.1704368	100.4142	2.780096	21.15564	.1378912	-.008563
#3	.1727947	100.0862	2.781730	21.13050	.1375730	-.008565

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4520772**	**.1189199**	**.8992689**	**5.990912**	**8.844184**	**.4285979**
Stddev	.1233138	.0007089	.0042426	.040638	.010697	.0015418
%RSD	27.27716	.5960838	.4717893	.6783230	.1209466	.3597320
#1	.4253436	.1181084	.9040657	6.031722	8.854216	.4301198
#2	.3443230	.1194180	.8960087	5.990567	8.832928	.4286369
#3	.5865649	.1192333	.8977321	5.950449	8.845409	.4270369

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-06 Acquired: 1/12/2025 13:05:38 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMZ0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016865	.9791692	F 18.88346	.0109309	1.013113	.1323091
Stddev	.0002725	.0047823	.13287	.0009254	.009132	.0002807
%RSD	16.15598	.4884056	.7036560	8.466054	.9013365	.2121616
#1	.0016944	.9740608	18.73939	.0100363	1.002725	.1325961
#2	.0014102	.9799071	18.90979	.0108720	1.016741	.1322960
#3	.0019550	.9835396	19.00119	.0118843	1.019874	.1320352

Elem	Sr4077
Units	ppm
Avg	.1240472
Stddev	.0006913
%RSD	.5573048
#1	.1246295
#2	.1242290
#3	.1232832

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3198.782	74984.04	10729.64	3572.388	3420.304
Stddev	6.411	49.05	102.72	13.127	3.262
%RSD	.2004139	.0654196	.9573853	.3674621	.0953598
#1	3195.712	74986.24	10846.31	3565.622	3417.941
#2	3194.483	75031.95	10689.80	3587.518	3418.946
#3	3206.150	74933.92	10652.80	3564.023	3424.025

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-07 Acquired: 1/12/2025 13:09:37 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMZ1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0443439	-.004150	.1166908	.0216554	-.003585	45.28955
Stddev	.0028688	.002835	.0005174	.0026580	.002324	.16318
%RSD	6.469511	68.30279	.4434098	12.27399	64.84357	.3603030
#1	.0438076	-.003345	.1164381	.0246001	-.000913	45.32493
#2	.0474431	-.007300	.1163483	.0194339	-.004696	45.11158
#3	.0417811	-.001805	.1172860	.0209321	-.005145	45.43213

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4702614	.0029854	.0046334	232.2100	.0861936	.0675368
Stddev	.0007648	.0001244	.0000353	.5779	.0004117	.0001539
%RSD	.1626227	4.165649	.7615598	.2488864	.4776816	.2278489
#1	.4702181	.0030271	.0046430	232.6950	.0864289	.0677084
#2	.4695191	.0030835	.0046629	231.5705	.0864338	.0674111
#3	.4710468	.0028455	.0045943	232.3644	.0857182	.0674908

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2057370	127.9439	5.070485	57.40122	.1427161	-.011795
Stddev	.0010515	.2697	.013809	.04938	.0006090	.000222
%RSD	.5110933	.2108342	.2723506	.0860229	.4267101	1.884452
#1	.2046635	128.0437	5.078053	57.44868	.1426729	-.011714
#2	.2057825	127.6385	5.054546	57.35013	.1421298	-.011624
#3	.2067650	128.1495	5.078856	57.40486	.1433455	-.012046

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8081438	.1127923	.4836815	6.547646	8.132844	.5540610
Stddev	.0954275	.0013211	.0021037	.002362	.032236	.0018291
%RSD	11.80824	1.171236	.4349422	.0360796	.3963697	.3301296
#1	.9117855	.1113821	.4848490	6.549709	8.122852	.5548549
#2	.7887299	.1129938	.4812529	6.545069	8.106787	.5519691
#3	.7239160	.1140011	.4849426	6.548161	8.168893	.5553590

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-07 Acquired: 1/12/2025 13:09:37 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMZ1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015729	.4624748	F 16.70468	.0019953	.6892308	.0912619
Stddev	.0001075	.0015526	.01726	.0015435	.0008766	.0008985
%RSD	6.831776	.3357216	.1033250	77.35794	.1271843	.9845225
#1	.0015292	.4607664	16.69333	.0002266	.6901588	.0919949
#2	.0016953	.4628581	16.72454	.0026896	.6891166	.0915313
#3	.0014941	.4637999	16.69616	.0030697	.6884168	.0902596

Elem	Sr4077
Units	ppm
Avg	.2140830
Stddev	.0007290
%RSD	.3405137
#1	.2142476
#2	.2132859
#3	.2147157

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2970.378	69458.63	10089.31	3280.601	3220.321
Stddev	7.358	300.42	38.77	14.328	11.062
%RSD	.2477190	.4325188	.3842708	.4367639	.3434924
#1	2971.684	69112.77	10052.89	3268.633	3217.544
#2	2976.995	69654.85	10084.98	3296.479	3232.506
#3	2962.453	69608.25	10130.06	3276.690	3210.911

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-08 Acquired: 1/12/2025 13:13:35 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNA8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1207208**	**-.003608**	**5.082159**	**.0420520**	**-.000939**	**66.62854**
Stddev	.0010587	.000309	.004560	.0026161	.000624	.15240
%RSD	.8769436	8.557597	.0897340	6.220980	66.43351	.2287366
#1	.1218510	-.003256	5.077653	.0397988	-.001535	66.45370
#2	.1197524	-.003832	5.086772	.0449210	-.000291	66.69857
#3	.1205590	-.003735	5.082053	.0414363	-.000991	66.73334

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.733490**	**.0048438**	**.0136397**	**194.4500**	**.1935375**	**.1034422**
Stddev	.004960	.0001690	.0000393	.2757	.0007667	.0002592
%RSD	.2861495	3.490069	.2883597	.1418019	.3961339	.2506087
#1	1.736840	.0048972	.0135952	194.1316	.1941297	.1033856
#2	1.735837	.0046545	.0136698	194.6107	.1938111	.1037250
#3	1.727791	.0049796	.0136541	194.6077	.1926715	.1032159

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6540269**	**197.0453**	**10.43329**	**47.22275**	**.2184896**	**-.015687**
Stddev	.0013776	.5740	.01632	.14583	.0004580	.000528
%RSD	.2106292	.2912861	.1564517	.3088118	.2096295	3.363246
#1	.6553167	196.3825	10.44067	47.06030	.2180521	-.016233
#2	.6525757	197.3806	10.44463	47.26557	.2184509	-.015646
#3	.6541883	197.3727	10.41459	47.34237	.2189657	-.015181

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.077884**	**.1769508**	**4.136911**	**8.658678**	F **14.68218**	**.8425751**
Stddev	.030599	.0027380	.010448	.026356	.00150	.0034050
%RSD	2.838807	1.547302	.2525578	.3043862	.0102291	.4041185
#1	1.051513	.1737898	4.135165	8.629317	14.68188	.8387019
#2	1.070705	.1785788	4.127446	8.680293	14.68381	.8450972
#3	1.111435	.1784839	4.148122	8.666425	14.68086	.8439262

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-08 Acquired: 1/12/2025 13:13:35 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNA8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0087183	4.364916	F 19.31770	.2216911	1.421540	.0920780
Stddev	.0001206	.010844	.07151	.0020322	.004244	.0010233
%RSD	1.383246	.2484429	.3701790	.9166642	.2985179	1.111310
#1	.0088187	4.370425	19.39933	.2194614	1.426224	.0910852
#2	.0087515	4.352423	19.26609	.2234391	1.417952	.0931292
#3	.0085845	4.371900	19.28768	.2221730	1.420443	.0920194

Elem	Sr4077
Units	ppm
Avg	.3588768
Stddev	.0014997
%RSD	.4178903
#1	.3571724
#2	.3599944
#3	.3594635

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2951.893	69741.54	10105.89	3297.770	3279.127
Stddev	2.138	157.51	52.11	9.956	4.132
%RSD	.0724253	.2258512	.5156559	.3018978	.1260217
#1	2949.570	69639.07	10054.91	3296.791	3282.643
#2	2953.778	69922.91	10159.07	3308.179	3274.575
#3	2952.331	69662.64	10103.70	3288.339	3280.162

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-09 Acquired: 1/12/2025 13:17:30 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNA9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1090080**	**-.005592**	**5.738725**	**.0321965**	**-.004424**	**60.10290**
Stddev	.0024880	.000823	.004033	.0028619	.000086	.29598
%RSD	2.282440	14.70927	.0702694	8.888860	1.949726	.4924505
#1	.1109370	-.004652	5.743381	.0354498	-.004339	60.43047
#2	.1061997	-.006179	5.736362	.0310726	-.004511	60.02352
#3	.1098873	-.005945	5.736431	.0300672	-.004423	59.85470

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.566241**	**.0045236**	**.0113453**	**147.7721**	**.1800101**	**.0879848**
Stddev	.009018	.0000738	.0000709	.6316	.0011112	.0001421
%RSD	.5757625	1.631534	.6246230	.4273985	.6172738	.1614919
#1	1.575919	.0046088	.0114021	148.5009	.1804818	.0880412
#2	1.558075	.0044808	.0113680	147.4301	.1808075	.0878231
#3	1.564728	.0044812	.0112659	147.3853	.1787409	.0880899

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.047242**	**159.4470**	**9.447185**	**34.84305**	**.2144467**	**-.011750**
Stddev	.004365	.8400	.052268	.15804	.0004184	.000199
%RSD	.4168560	.5268168	.5532683	.4535759	.1950842	1.690678
#1	1.042203	160.4010	9.506320	35.02532	.2140225	-.011529
#2	1.049870	159.1215	9.407162	34.74409	.2148590	-.011805
#3	1.049654	158.8185	9.428075	34.75975	.2144585	-.011915

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8461708**	**.1551714**	**6.657092**	**7.435591**	F **12.35686**	**.6893928**
Stddev	.1106802	.0013284	.010590	.037852	.00584	.0036057
%RSD	13.08012	.8560866	.1590778	.5090615	.0472295	.5230248
#1	.8203208	.1541279	6.669300	7.415684	12.35286	.6932916
#2	.7507033	.1566668	6.651605	7.411847	12.36356	.6887085
#3	.9674883	.1547195	6.650371	7.479242	12.35416	.6861782

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-09 Acquired: 1/12/2025 13:17:30 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNA9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0063955	3.735969	F 19.78897	.7439351	1.294357	.0770712
Stddev	.0001486	.002812	.04398	.0011983	.004154	.0015313
%RSD	2.323981	.0752813	.2222581	.1610706	.3209163	1.986862
#1	.0065665	3.738849	19.78567	.7425936	1.296044	.0785740
#2	.0062975	3.733229	19.74673	.7448993	1.289625	.0755129
#3	.0063224	3.735829	19.83451	.7443124	1.297401	.0771269

Elem	Sr4077
Units	ppm
Avg	.3188764
Stddev	.0018635
%RSD	.5843811
#1	.3209995
#2	.3181179
#3	.3175118

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2929.887	68580.02	9892.295	3229.637	3338.550
Stddev	1.780	183.25	39.334	3.292	4.119
%RSD	.0607408	.2672017	.3976226	.1019295	.1233718
#1	2931.483	68439.09	9935.442	3233.433	3336.466
#2	2927.968	68513.81	9858.436	3227.905	3335.890
#3	2930.210	68787.18	9883.007	3227.572	3343.295

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-10 Acquired: 1/12/2025 13:21:24 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNB0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1344613**	**-.003917**	**5.638351**	**.0317580**	**-.001345**	**61.32735**
Stddev	.0014868	.002239	.013578	.0018414	.002526	.13877
%RSD	1.105716	57.17659	.2408073	5.798316	187.8697	.2262784
#1	.1352442	-.004599	5.625107	.0334472	-.004188	61.45565
#2	.1353930	-.005735	5.637707	.0297950	.000643	61.18006
#3	.1327466	-.001415	5.652239	.0320319	-.000489	61.34634

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.841427**	**.0051813**	**.0148454**	**168.4771**	**.1749917**	**.0919692**
Stddev	.004218	.0000579	.0000465	.3908	.0009786	.0002836
%RSD	.2290511	1.116666	.3132505	.2319898	.5592506	.3084052
#1	1.842917	.0051190	.0148430	168.5038	.1738978	.0917055
#2	1.836666	.0051915	.0148001	168.0736	.1752934	.0919328
#3	1.844697	.0052334	.0148930	168.8539	.1757840	.0922692

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6329873**	**158.8796**	**10.75602**	**32.90628**	**.2126834**	**-.010839**
Stddev	.0009650	.2884	.02047	.09188	.0008681	.000354
%RSD	.1524591	.1815483	.1903510	.2792109	.4081609	3.269340
#1	.6335873	159.0818	10.75333	32.84940	.2123711	-.010440
#2	.6318741	158.5493	10.73702	32.85716	.2120146	-.011116
#3	.6335004	159.0077	10.77771	33.01228	.2136644	-.010962

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7363696**	**.1560349**	**3.598729**	**7.099895**	F **12.93132**	**.6861446**
Stddev	.0805736	.0010333	.007071	.053734	.01804	.0013326
%RSD	10.94201	.6622281	.1964753	.7568281	.1395332	.1942157
#1	.6735505	.1554941	3.592083	7.062590	12.95095	.6874575
#2	.8272134	.1553842	3.606159	7.075612	12.92756	.6847931
#3	.7083447	.1572263	3.597945	7.161485	12.91545	.6861832

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-10 Acquired: 1/12/2025 13:21:24 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNB0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053610	3.333549	F 18.94747	.1973214	1.204573	.0801817
Stddev	.0002626	.006683	.03952	.0013264	.007255	.0012263
%RSD	4.898026	.2004797	.2085824	.6722052	.6022530	1.529454
#1	.0056068	3.331648	18.91291	.1987068	1.201829	.0811824
#2	.0050844	3.328022	18.99056	.1960632	1.212799	.0788137
#3	.0053918	3.340976	18.93895	.1971942	1.199089	.0805491

Elem	Sr4077
Units	ppm
Avg	.3426591
Stddev	.0005803
%RSD	.1693398
#1	.3432969
#2	.3421624
#3	.3425179

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3000.156	69303.39	10039.68	3281.459	3342.445
Stddev	4.962	111.75	58.48	3.121	5.629
%RSD	.1653952	.1612427	.5824659	.0951209	.1684183
#1	3005.878	69343.41	10059.28	3278.307	3348.216
#2	2997.548	69177.15	9973.92	3281.522	3342.149
#3	2997.041	69389.62	10085.85	3284.549	3336.969

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-11 Acquired: 1/12/2025 13:25:19 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNB1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1347096**	**-.006962**	**5.963807**	**.0332701**	**-.002339**	**67.27822**
Stddev	.0023822	.002475	.006516	.0020719	.001039	.13459
%RSD	1.768356	35.55516	.1092609	6.227569	44.44532	.2000562
#1	.1334475	-.009808	5.963994	.0340217	-.001228	67.43322
#2	.1332240	-.005761	5.957200	.0348613	-.002501	67.19093
#3	.1374572	-.005315	5.970228	.0309273	-.003288	67.21050

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.909715**	**.0053232**	**.0121385**	**205.9551**	**.1714878**	**.1003276**
Stddev	.011080	.0000277	.0001485	.6747	.0004354	.0005012
%RSD	.5802165	.5203448	1.223401	.3275737	.2539149	.4995620
#1	1.922474	.0053532	.0119709	206.7337	.1717931	.0997490
#2	1.902512	.0053180	.0121913	205.5420	.1709892	.1006269
#3	1.904158	.0052985	.0122535	205.5897	.1716812	.1006069

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6499510**	**171.0130**	**11.32309**	**32.99709**	**.1888797**	**-.011829**
Stddev	.0009023	.3510	.06004	.14421	.0003245	.000009
%RSD	.1388273	.2052377	.5302167	.4370417	.1717834	.0796724
#1	.6489990	171.4179	11.39090	33.15293	.1885052	-.011824
#2	.6500601	170.8265	11.30166	32.97001	.1890576	-.011840
#3	.6507937	170.7946	11.27670	32.86835	.1890764	-.011824

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9318740**	**.1630797**	**3.093287**	**7.736385**	F **13.56006**	**.7365120**
Stddev	.1724938	.0014244	.006290	.033948	.01426	.0020565
%RSD	18.51042	.8734363	.2033395	.4388069	.1051750	.2792181
#1	1.051716	.1630390	3.086286	7.770295	13.57383	.7386689
#2	.734176	.1645240	3.098460	7.736461	13.56100	.7362938
#3	1.009731	.1616761	3.095117	7.702399	13.54536	.7345734

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-11 Acquired: 1/12/2025 13:25:19 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNB1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042108**	**2.847092**	F **19.67005**	**.2440549**	**1.159110**	**.0891551**
Stddev	.0001150	.001340	.03051	.0011166	.003318	.0008675
%RSD	2.731448	.0470771	.1551048	.4575333	.2862389	.9730126
#1	.0042879	2.848186	19.69951	.2427839	1.162938	.0885593
#2	.0042659	2.845597	19.67206	.2448781	1.157334	.0901503
#3	.0040786	2.847493	19.63859	.2445028	1.157059	.0887555

Elem	Sr4077
Units	ppm
Avg	**.4030297**
Stddev	.0006692
%RSD	.1660478
#1	.4037429
#2	.4024155
#3	.4029306

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3019.387**	**70042.50**	**10157.55**	**3324.391**	**3308.038**
Stddev	2.893	192.65	12.58	3.215	3.528
%RSD	.0958121	.2750495	.1238567	.0967096	.1066503
#1	3020.831	69820.06	10145.16	3323.597	3312.072
#2	3021.273	70151.92	10157.19	3327.928	3306.512
#3	3016.056	70155.54	10170.31	3321.647	3305.530

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-12 Acquired: 1/12/2025 13:29:14 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNB2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1359707**	**-.006316**	**4.712232**	**.0371019**	**-.002460**	**69.85971**
Stddev	.0020535	.002516	.017669	.0008766	.001026	.13633
%RSD	1.510256	39.83545	.3749532	2.362788	41.69010	.1951426
#1	.1345238	-.008831	4.700383	.0361024	-.003610	69.71132
#2	.1350673	-.003798	4.703774	.0374633	-.001642	69.88842
#3	.1383210	-.006319	4.732540	.0377401	-.002128	69.97939

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.762059**	**.0050148**	**.0121864**	**209.1476**	**.1643720**	**.1082926**
Stddev	.007644	.0000249	.0001855	.8150	.0006100	.0003583
%RSD	.4338013	.4959736	1.522540	.3896954	.3710822	.3308596
#1	1.753235	.0050352	.0120567	208.2586	.1637676	.1079883
#2	1.766677	.0050221	.0121035	209.3246	.1643612	.1082019
#3	1.766263	.0049871	.0123989	209.8595	.1649874	.1086875

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6007683**	**198.9405**	**12.09093**	**35.57251**	**.1901857**	**-.014466**
Stddev	.0046941	.5784	.06467	.16723	.0004572	.000269
%RSD	.7813431	.2907479	.5348812	.4701208	.2403859	1.860997
#1	.6019973	198.3818	12.01847	35.42520	.1899123	-.014305
#2	.6047255	198.9030	12.11154	35.53804	.1899313	-.014777
#3	.5955819	199.5368	12.14279	35.75429	.1907135	-.014317

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8079484**	**.1672695**	**2.879098**	**7.294763**	F **13.93607**	**.8491484**
Stddev	.0936277	.0015863	.006942	.009242	.05991	.0025504
%RSD	11.58833	.9483633	.2411303	.1266985	.4298719	.3003464
#1	.7201423	.1685058	2.871824	7.299578	13.94897	.8468106
#2	.9064749	.1678218	2.885653	7.284107	13.87076	.8487664
#3	.7972280	.1654808	2.879817	7.300603	13.98847	.8518682

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-12 Acquired: 1/12/2025 13:29:14 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNB2 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056305	2.705012	F 20.60797	.2479041	1.225311	.0869510
Stddev	.0003084	.015668	.19947	.0019942	.010608	.0009282
%RSD	5.477576	.5792394	.9679354	.8044429	.8657534	1.067505
#1	.0058974	2.688119	20.46420	.2490968	1.219832	.0863937
#2	.0052929	2.707849	20.83569	.2456019	1.237538	.0864368
#3	.0057012	2.719068	20.52401	.2490137	1.218561	.0880225

Elem	Sr4077
Units	ppm
Avg	.4251969
Stddev	.0005441
%RSD	.1279656
#1	.4246708
#2	.4251627
#3	.4257573

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2980.569	69407.24	10137.07	3318.687	3249.156
Stddev	.421	159.03	69.17	10.946	5.439
%RSD	.0141083	.2291209	.6823515	.3298293	.1673884
#1	2980.292	69513.23	10152.22	3330.354	3251.021
#2	2981.053	69484.11	10061.58	3317.064	3253.417
#3	2980.363	69224.38	10197.40	3308.644	3243.030

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-13 Acquired: 1/12/2025 13:33:08 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNB3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0898121**	**-.004785**	**1.288106**	**.0324523**	**-.003689**	**73.54534**
Stddev	.0010916	.001410	.004439	.0022804	.001722	.21179
%RSD	1.215457	29.46904	.3446365	7.026871	46.66604	.2879671
#1	.0901716	-.006412	1.291564	.0334931	-.002705	73.35025
#2	.0906786	-.003921	1.289654	.0340267	-.002686	73.77059
#3	.0885860	-.004021	1.283100	.0298373	-.005677	73.51519

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8645912**	**.0046484**	**.0071950**	**72.00902**	**.1379109**	**.1052901**
Stddev	.0013045	.0001799	.0001033	.17020	.0003034	.0005492
%RSD	.1508819	3.868958	1.435776	.2363654	.2200321	.5215743
#1	.8646485	.0045650	.0073099	71.85976	.1375987	.1056556
#2	.8658661	.0048548	.0071652	72.19438	.1382048	.1055562
#3	.8632590	.0045255	.0071099	71.97291	.1379292	.1046586

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2313092**	**161.2311**	**10.03417**	**20.46371**	**.1355536**	**-.013135**
Stddev	.0011007	.5544	.02119	.09220	.0003924	.000174
%RSD	.4758535	.3438495	.2112057	.4505489	.2894913	1.322605
#1	.2305520	160.7006	10.03153	20.35807	.1357579	-.013333
#2	.2308039	161.8066	10.05655	20.52793	.1358017	-.013063
#3	.2325719	161.1861	10.01441	20.50514	.1351011	-.013009

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6762229**	**.1712912**	**1.246223**	**4.057712**	F **13.67829**	**.6727024**
Stddev	.1131021	.0038797	.008410	.023879	.06396	.0031504
%RSD	16.72556	2.264950	.6747987	.5884893	.4676274	.4683246
#1	.5499850	.1742011	1.255932	4.035255	13.70361	.6691397
#2	.7103578	.1727861	1.241203	4.082796	13.72571	.6751208
#3	.7683260	.1668865	1.241535	4.055084	13.60554	.6738467

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-13 Acquired: 1/12/2025 13:33:08 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNB3 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043304	1.119888	F 19.96254	.1341930	1.443030	.0707383
Stddev	.0002249	.005847	.05589	.0012720	.005190	.0010352
%RSD	5.194057	.5221068	.2799508	.9479044	.3596376	1.463357
#1	.0044055	1.126005	20.02399	.1349090	1.447929	.0711482
#2	.0040776	1.119304	19.91475	.1349456	1.443570	.0695609
#3	.0045083	1.114355	19.94888	.1327243	1.437592	.0715057

Elem	Sr4077
Units	ppm
Avg	.1986321
Stddev	.0006667
%RSD	.3356566
#1	.1979162
#2	.1992352
#3	.1987448

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2991.082	70340.57	10027.84	3356.306	3395.433
Stddev	2.175	37.04	17.57	22.056	7.349
%RSD	.0727270	.0526542	.1751911	.6571380	.2164475
#1	2989.201	70344.34	10012.37	3331.149	3389.344
#2	2990.579	70301.80	10046.94	3365.453	3393.359
#3	2993.464	70375.58	10024.22	3372.316	3403.596

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-14 Acquired: 1/12/2025 13:37:05 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNB4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1452235**	**-.008867**	**.4026461**	**.0362010**	**-.002822**	**80.29132**
Stddev	.0008169	.001525	.0014763	.0014046	.001740	.34760
%RSD	.5625371	17.20206	.3666521	3.879952	61.66224	.4329230
#1	.1460300	-.009052	.4038822	.0347300	-.004671	80.48506
#2	.1443965	-.010291	.4030447	.0375281	-.002575	80.49887
#3	.1452440	-.007258	.4010114	.0363448	-.001218	79.89003

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7897199**	**.0052203**	**.0091087**	**144.2878**	**.1257984**	**.1529959**
Stddev	.0046537	.0000730	.0000284	.6672	.0003805	.0008797
%RSD	.5892836	1.397720	.3115732	.4623798	.3024703	.5749618
#1	.7922497	.0052486	.0090767	144.7994	.1255964	.1531950
#2	.7925608	.0051374	.0091308	144.5309	.1262373	.1537589
#3	.7843493	.0052748	.0091187	143.5332	.1255614	.1520337

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2620948**	**199.1021**	**12.63049**	**20.07222**	**.1749497**	**-.017492**
Stddev	.0013659	.7967	.06758	.04573	.0007857	.000284
%RSD	.5211421	.4001523	.5350541	.2278356	.4490991	1.626005
#1	.2634047	199.7765	12.69377	20.12500	.1753280	-.017310
#2	.2622007	199.3067	12.63840	20.04439	.1754746	-.017346
#3	.2606791	198.2230	12.55931	20.04727	.1740464	-.017820

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5913095**	**.1762956**	**.7346575**	**5.173023**	**9.028642**	**.8240243**
Stddev	.1069731	.0021224	.0006171	.054038	.032538	.0051659
%RSD	18.09089	1.203904	.0839931	1.044617	.3603846	.6269120
#1	.4686723	.1747727	.7351775	5.172814	9.065249	.8281943
#2	.6654087	.1753941	.7339756	5.227166	9.017664	.8256332
#3	.6398473	.1787199	.7348194	5.119090	9.003013	.8182454

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-14 Acquired: 1/12/2025 13:37:05 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNB4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048887	.8856853	F 16.12873	.0241823	1.055730	.0778641
Stddev	.0001088	.0043240	.08357	.0006837	.002440	.0006336
%RSD	2.226144	.4882108	.5181206	2.827083	.2311092	.8137737
#1	.0050142	.8844816	16.20014	.0243620	1.058402	.0785953
#2	.0048308	.8904836	16.03682	.0234268	1.055169	.0775189
#3	.0048210	.8820906	16.14923	.0247583	1.053620	.0774779

Elem	Sr4077
Units	ppm
Avg	.2009296
Stddev	.0007029
%RSD	.3498229
#1	.2010735
#2	.2015494
#3	.2001659

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3351.870	78467.12	11360.89	3717.773	3289.990
Stddev	2.874	191.13	46.54	5.125	2.797
%RSD	.0857371	.2435788	.4096708	.1378636	.0850255
#1	3351.887	78312.61	11344.50	3716.979	3287.551
#2	3354.735	78407.91	11413.41	3713.090	3289.376
#3	3348.988	78680.85	11324.76	3723.249	3293.044

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-15 Acquired: 1/12/2025 13:41:00 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNE3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1465671**	**-.005558**	**3.273531**	**.0488632**	**-.002634**	**68.64859**
Stddev	.0037422	.001882	.011219	.0012835	.001209	.25457
%RSD	2.553238	33.86398	.3427290	2.626776	45.90195	.3708360
#1	.1451024	-.007249	3.272894	.0493042	-.003473	68.47643
#2	.1508201	-.003530	3.262643	.0474173	-.001248	68.52832
#3	.1437787	-.005896	3.285055	.0498681	-.003182	68.94101

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.297173**	**.0059603**	**.0117079**	**101.1009**	**.1625518**	**.0941046**
Stddev	.005858	.0001297	.0001630	.3544	.0004257	.0002847
%RSD	.4515924	2.176293	1.392452	.3505539	.2618806	.3025370
#1	1.294962	.0060347	.0115474	100.8442	.1625978	.0940536
#2	1.292742	.0060358	.0117029	100.9532	.1629526	.0938489
#3	1.303814	.0058106	.0118733	101.5052	.1621049	.0944114

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4356409**	**238.0755**	**9.164805**	**35.18953**	**.2121114**	**-.020504**
Stddev	.0013330	.6690	.031165	.10881	.0006529	.000226
%RSD	.3059958	.2809896	.3400504	.3092108	.3077957	1.100462
#1	.4349208	237.6175	9.150622	35.08717	.2118431	-.020741
#2	.4348227	237.7659	9.143254	35.17762	.2116355	-.020291
#3	.4371791	238.8432	9.200539	35.30381	.2128557	-.020481

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8735674**	**.1641689**	**2.178976**	**5.927246**	**9.837234**	**1.000874**
Stddev	.0963370	.0003494	.002100	.025912	.051303	.004681
%RSD	11.02799	.2128120	.0963717	.4371620	.5215233	.4677023
#1	.8625618	.1639445	2.176552	5.911610	9.820072	.997774
#2	.9749345	.1639908	2.180152	5.912973	9.796712	.998589
#3	.7832059	.1645714	2.180224	5.957156	9.894919	1.006259

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-15 Acquired: 1/12/2025 13:41:00 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNE3 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0056901**	**4.007067**	F **19.07098**	**.1332112**	**1.275578**	**.0749190**
Stddev	.0003223	.021932	.00920	.0011678	.002376	.0006320
%RSD	5.664621	.5473364	.0482649	.8766690	.1862891	.8436096
#1	.0054905	4.005809	19.06978	.1323673	1.277964	.0743507
#2	.0060620	3.985792	19.06244	.1327223	1.273212	.0755997
#3	.0055178	4.029602	19.08073	.1345440	1.275557	.0748066

Elem	Sr4077
Units	ppm
Avg	**.2169304**
Stddev	.0010699
%RSD	.4931912
#1	.2164498
#2	.2161852
#3	.2181564

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3010.408**	**70433.07**	**9986.894**	**3324.467**	**3442.030**
Stddev	7.602	217.01	38.316	5.004	13.535
%RSD	.2525348	.3081067	.3836625	.1505346	.3932156
#1	3016.423	70656.75	9984.503	3328.416	3448.253
#2	3012.937	70223.41	9949.830	3318.839	3451.334
#3	3001.863	70419.04	10026.35	3326.146	3426.503

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-16 Acquired: 1/12/2025 13:44:54 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNE4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0997992**	**-.003794**	**3.458991**	**.0293530**	**-.002183**	**60.25767**
Stddev	.0006306	.001929	.004353	.0015897	.000899	.23573
%RSD	.6318632	50.83185	.1258440	5.415644	41.17296	.3912109
#1	.1002461	-.001583	3.457280	.0278858	-.001681	60.45565
#2	.0990779	-.005127	3.455754	.0310418	-.001647	59.99690
#3	.1000737	-.004672	3.463940	.0291313	-.003220	60.32046

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.222204**	**.0047403**	**.0081755**	**123.6367**	**.1453341**	**.0859946**
Stddev	.006068	.0001794	.0001192	.4566	.0002509	.0004788
%RSD	.4964817	3.783704	1.457353	.3692768	.1726433	.5567166
#1	1.227563	.0046169	.0080504	124.0388	.1451798	.0857138
#2	1.215616	.0046580	.0082877	123.1404	.1456236	.0857226
#3	1.223434	.0049460	.0081883	123.7310	.1451988	.0865474

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3907668**	**150.5370**	**9.109750**	**32.13756**	**.1950901**	**-.012225**
Stddev	.0020636	.4852	.039598	.07465	.0005924	.000542
%RSD	.5280944	.3222938	.4346815	.2322876	.3036599	4.436627
#1	.3910398	150.9094	9.143114	32.20519	.1955050	-.011882
#2	.3885803	149.9883	9.065991	32.15004	.1944116	-.012851
#3	.3926804	150.7132	9.120145	32.05746	.1953537	-.011944

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6196722**	**.1498504**	**1.828711**	**5.117370**	**9.096932**	**.6367986**
Stddev	.1134480	.0012761	.003907	.016055	.028419	.0015867
%RSD	18.30775	.8515637	.2136525	.3137263	.3124034	.2491738
#1	.6368196	.1487054	1.824500	5.109232	9.070592	.6385463
#2	.7235704	.1496197	1.829415	5.107015	9.093152	.6354485
#3	.4986266	.1512261	1.832219	5.135864	9.127052	.6364010

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-16 Acquired: 1/12/2025 13:44:54 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNE4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0045399	2.653347	F 19.42919	.1322523	1.029590	.0718360
Stddev	.0001960	.011168	.02486	.0010376	.002170	.0004849
%RSD	4.317660	.4209148	.1279342	.7845688	.2107624	.6749498
#1	.0043628	2.645604	19.44004	.1313153	1.031742	.0716747
#2	.0047505	2.648288	19.40076	.1320741	1.027402	.0723809
#3	.0045063	2.666150	19.44678	.1333674	1.029627	.0714523

Elem	Sr4077
Units	ppm
Avg	.2084186
Stddev	.0005268
%RSD	.2527559
#1	.2089519
#2	.2078985
#3	.2084055

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2945.296	69348.09	9716.433	3246.552	3405.920
Stddev	5.446	277.20	27.393	1.747	9.454
%RSD	.1849077	.3997223	.2819294	.0537983	.2775792
#1	2950.763	69034.00	9689.930	3246.439	3412.288
#2	2945.254	69558.55	9714.732	3248.352	3410.414
#3	2939.871	69451.71	9744.638	3244.864	3395.057

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-17 Acquired: 1/12/2025 13:48:50 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNE5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1110451**	**-.004378**	**3.653111**	**.0324147**	**-.003612**	**69.22877**
Stddev	.0029035	.001104	.011995	.0004476	.000187	.65177
%RSD	2.614733	25.20701	.3283438	1.380838	5.184009	.9414704
#1	.1077611	-.005583	3.646455	.0322997	-.003828	68.57963
#2	.1132719	-.003417	3.645919	.0320358	-.003510	69.22352
#3	.1121022	-.004133	3.666957	.0329085	-.003497	69.88314

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.371043**	**.0050206**	**.0078847**	**135.2598**	**.1502655**	**.0949237**
Stddev	.016062	.0001697	.0001029	.9915	.0003962	.0008348
%RSD	1.171507	3.380311	1.304873	.7330580	.2636795	.8794351
#1	1.355732	.0050060	.0080027	134.2917	.1501830	.0955194
#2	1.369633	.0051971	.0078383	135.2143	.1506965	.0939696
#3	1.387763	.0048587	.0078133	136.2732	.1499171	.0952822

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3695188**	**170.5591**	**9.907877**	**35.95102**	**.1788154**	**-.012889**
Stddev	.0011536	1.2929	.072764	.19501	.0005274	.000208
%RSD	.3121778	.7580207	.7344022	.5424309	.2949494	1.609981
#1	.3701734	169.2999	9.837445	35.73599	.1785119	-.013063
#2	.3701960	170.4942	9.903419	36.00065	.1785099	-.012943
#3	.3681868	171.8832	9.982767	36.11642	.1794245	-.012659

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8366277**	**.1690893**	**1.637058**	**5.646311**	F **10.18891**	**.7222031**
Stddev	.0622075	.0012388	.005370	.054915	.01458	.0064688
%RSD	7.435510	.7326505	.3280425	.9725822	.1431326	.8956979
#1	.7649747	.1687885	1.631693	5.585049	10.20293	.7158696
#2	.8768319	.1680285	1.637048	5.662769	10.18997	.7219407
#3	.8680764	.1704508	1.642434	5.691116	10.17382	.7287991

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-17 Acquired: 1/12/2025 13:48:50 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNE5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047891	2.389493	F 19.94144	.1790408	1.181787	.0770451
Stddev	.0003163	.001927	.06137	.0007638	.003478	.0013599
%RSD	6.603894	.0806265	.3077346	.4266163	.2943120	1.765092
#1	.0050977	2.390116	20.01093	.1784232	1.185568	.0758249
#2	.0044657	2.387332	19.91870	.1788044	1.181071	.0767992
#3	.0048038	2.391030	19.89469	.1798949	1.178724	.0785112

Elem	Sr4077
Units	ppm
Avg	.2376925
Stddev	.0027472
%RSD	1.155792
#1	.2349309
#2	.2377214
#3	.2404251

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2986.176	68789.98	9825.801	3256.007	3417.031
Stddev	3.192	103.61	112.654	15.002	4.906
%RSD	.1068794	.1506199	1.146513	.4607347	.1435786
#1	2982.642	68879.10	9717.884	3270.556	3413.606
#2	2988.848	68676.29	9816.860	3240.590	3422.652
#3	2987.038	68814.55	9942.659	3256.873	3414.835

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-18 Acquired: 1/12/2025 13:52:46 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNE6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0672152**	**-.004155**	**.6216785**	**.0352449**	**-.002632**	**86.25027**
Stddev	.0012273	.001348	.0014107	.0040027	.000301	.23499
%RSD	1.825962	32.43035	.2269240	11.35687	11.45082	.2724499
#1	.0661734	-.005706	.6233067	.0306444	-.002979	86.25103
#2	.0669041	-.003495	.6209090	.0379305	-.002474	86.48488
#3	.0685681	-.003265	.6208199	.0371598	-.002442	86.01490

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5409554**	**.0046567**	**.0052662**	**40.31388**	**.1400723**	**.1137024**
Stddev	.0017198	.0001394	.0000670	.09219	.0006722	.0002321
%RSD	.3179193	2.994085	1.272162	.2286878	.4798964	.2041122
#1	.5414194	.0047614	.0053425	40.33239	.1408478	.1134344
#2	.5423956	.0047102	.0052391	40.39542	.1397132	.1138364
#3	.5390512	.0044984	.0052171	40.21384	.1396560	.1138365

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1540791**	**177.4280**	**10.05838**	**26.91431**	**.1551658**	**-.014750**
Stddev	.0004297	.4915	.04039	.06039	.0001571	.000209
%RSD	.2788521	.2770280	.4015295	.2243800	.1012389	1.419386
#1	.1541801	177.3154	10.06932	26.84663	.1552088	-.014961
#2	.1544492	177.9661	10.09216	26.96268	.1549917	-.014747
#3	.1536079	177.0026	10.01364	26.93364	.1552969	-.014543

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4927315**	**.1963597**	**.6135282**	**3.450675**	**4.440473**	**.7324816**
Stddev	.2540806	.0024207	.0045652	.042246	.015591	.0020782
%RSD	51.56572	1.232802	.7440945	1.224279	.3511038	.2837169
#1	.2093987	.1952101	.6180528	3.478866	4.457605	.7325565
#2	.5684522	.1947279	.6136085	3.471057	4.436699	.7345214
#3	.7003435	.1991410	.6089234	3.402102	4.427116	.7303670

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-18 Acquired: 1/12/2025 13:52:46 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNE6 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030001	.7256383	F 21.74033	.0306737	1.429092	.0844068
Stddev	.0001835	.0025056	.04054	.0011434	.004614	.0006547
%RSD	6.117965	.3452897	.1864648	3.727499	.3228501	.7756263
#1	.0030795	.7252266	21.75664	.0312422	1.428970	.0851341
#2	.0027902	.7233641	21.77018	.0314214	1.433765	.0842218
#3	.0031305	.7283243	21.69418	.0293575	1.424540	.0838646

Elem	Sr4077
Units	ppm
Avg	.1272952
Stddev	.0004264
%RSD	.3349831
#1	.1271338
#2	.1277788
#3	.1269731

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2797.417	65410.90	9258.868	3125.601	3416.639
Stddev	7.806	226.18	26.827	13.170	8.275
%RSD	.2790542	.3457824	.2897429	.4213534	.2421993
#1	2792.771	65154.10	9231.203	3111.569	3415.214
#2	2793.051	65498.07	9284.769	3127.540	3409.170
#3	2806.430	65580.52	9260.632	3137.693	3425.534

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-19 Acquired: 1/12/2025 13:56:43 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNE7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0675344**	**-.005544**	**.1980816**	**.0405445**	**-.005872**	**87.06006**
Stddev	.0010695	.000302	.0014256	.0035934	.001500	.40758
%RSD	1.583581	5.438242	.7197171	8.862815	25.54006	.4681642
#1	.0682029	-.005869	.1996045	.0436339	-.004630	86.77274
#2	.0663009	-.005491	.1967788	.0413985	-.007538	86.88089
#3	.0680993	-.005273	.1978617	.0366010	-.005447	87.52653

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5740380**	**.0055824**	**.0063613**	**20.12436**	**.1351524**	**.1071452**
Stddev	.0041691	.0000471	.0001039	.08251	.0005669	.0001304
%RSD	.7262683	.8440673	1.633645	.4100167	.4194127	.1216603
#1	.5735976	.0056004	.0064726	20.10526	.1347437	.1072712
#2	.5701066	.0055289	.0063444	20.05308	.1349140	.1070109
#3	.5784098	.0056178	.0062669	20.21476	.1357995	.1071536

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1660246**	**219.8643**	**11.78293**	**25.02634**	**.1778522**	**-.019695**
Stddev	.0001920	1.0257	.07587	.06388	.0004693	.000157
%RSD	.1156205	.4665351	.6439213	.2552502	.2638771	.7991032
#1	.1659932	219.2303	11.76107	24.95782	.1782357	-.019779
#2	.1658503	219.3148	11.72039	25.03695	.1779919	-.019513
#3	.1662303	221.0477	11.86733	25.08425	.1773289	-.019792

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6788230**	**.2031272**	**.3821719**	**5.231561**	**2.757557**	**.9022009**
Stddev	.1919672	.0011644	.0021340	.058569	.009233	.0062445
%RSD	28.27943	.5732227	.5583937	1.119539	.3348141	.6921375
#1	.4597657	.2034881	.3820363	5.179604	2.763596	.8978000
#2	.7589944	.2040685	.3801089	5.220047	2.762146	.8994548
#3	.8177088	.2018252	.3843704	5.295033	2.746929	.9093478

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-19 Acquired: 1/12/2025 13:56:43 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNE7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033154	.4272711	F 16.66912	.0096425	1.145887	.0818690
Stddev	.0002434	.0023177	.00650	.0007049	.004967	.0004393
%RSD	7.340017	.5424336	.0389884	7.310298	.4334319	.5365938
#1	.0030993	.4251060	16.67486	.0104468	1.151322	.0822684
#2	.0032680	.4297159	16.66207	.0091319	1.144754	.0813985
#3	.0035790	.4269915	16.67045	.0093488	1.141585	.0819402

Elem	Sr4077
Units	ppm
Avg	.0819863
Stddev	.0004164
%RSD	.5079033
#1	.0818266
#2	.0816734
#3	.0824589

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3287.463	76345.72	10798.05	3627.406	3485.158
Stddev	4.954	198.42	57.78	1.869	7.442
%RSD	.1506789	.2598923	.5350974	.0515369	.2135274
#1	3281.769	76569.75	10800.13	3629.286	3476.596
#2	3289.831	76192.16	10739.27	3625.547	3488.797
#3	3290.787	76275.24	10854.77	3627.385	3490.080

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV008 Acquired: 1/12/2025 14:00:39 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV008 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.550647**	**4.701341**	**23.39902**	**4.605308**	**4.525334**	**371.9584**
Stddev	.014485	.028000	.02194	.017219	.007743	3.1655
%RSD	.3183158	.5955673	.0937607	.3738892	.1711055	.8510297
#1	4.565748	4.730811	23.41868	4.623410	4.530252	372.7357
#2	4.536868	4.698122	23.37535	4.603380	4.516409	368.4768
#3	4.549325	4.675090	23.40303	4.589135	4.529342	374.6629

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.619383**	**.5168109**	**2.403437**	**379.3187**	**14.93259**	**2.371645**
Stddev	.026666	.0036865	.000742	2.5101	.04947	.002734
%RSD	.2772060	.7133147	.0308836	.6617338	.3312821	.1152682
#1	9.649553	.5133028	2.404194	380.1945	14.96448	2.373418
#2	9.598974	.5164770	2.403408	381.2735	14.95769	2.373021
#3	9.609621	.5206530	2.402710	376.4881	14.87560	2.368497

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.33301**	**379.6123**	**14.40364**	**239.1118**	**2.367696**	**1.191650**
Stddev	.00249	2.9685	.11732	1.6329	.001014	.005154
%RSD	.0173648	.7819696	.8145234	.6829110	.0428378	.4324949
#1	14.33078	382.4510	14.53029	240.7035	2.367513	1.196066
#2	14.33257	379.8568	14.38197	239.1912	2.368790	1.192897
#3	14.33569	376.5292	14.29867	237.4406	2.366786	1.185988

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**379.2587**	**2.349520**	**14.92226**	**139.5309**	**4.685756**	F **5.682619**
Stddev	.9148	.003381	.01972	1.1712	.008987	.011364
%RSD	.2412009	.1439164	.1321800	.8394063	.1917972	.1999823
#1	378.6592	2.353183	14.94362	140.6511	4.693946	5.679274
#2	378.8053	2.346518	14.90473	139.6269	4.687179	5.673302
#3	380.3117	2.348859	14.91842	138.3146	4.676142	5.695280

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV008 Acquired: 1/12/2025 14:00:39 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV008 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 4.493327	4.701353	4.727880	4.682593	4.707883	F 4.471092
Stddev	.011406	.008716	.018145	.004102	.014627	.036246
%RSD	.2538427	.1853985	.3837814	.0876052	.3106904	.8106717
#1	4.506405	4.711061	4.728529	4.687329	4.704400	4.509930
#2	4.485440	4.694199	4.709419	4.680321	4.695313	4.465182
#3	4.488136	4.698800	4.745691	4.680129	4.723938	4.438165

Elem	Sr4077
Units	ppm
Avg	4.794425
Stddev	.035673
%RSD	.7440594
#1	4.834948
#2	4.780570
#3	4.767758

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2114.581	52275.32	8031.420	2471.176	2834.391
Stddev	4.072	117.94	53.190	8.366	3.166
%RSD	.1925877	.2256142	.6622731	.3385507	.1116893
#1	2112.983	52168.76	8080.224	2462.606	2836.474
#2	2119.210	52255.16	8039.311	2479.322	2835.952
#3	2111.550	52402.04	7974.725	2471.599	2830.748

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB008 Acquired: 1/12/2025 14:04:56 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB008 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006023**	**-.000318**	**.0009055**	**.0026782**	**.0003815**	**.0006299**	**-.004698**
Stddev	.0014546	.000712	.0008049	.0028435	.0004394	.0115809	.000926
%RSD	241.5137	224.1578	88.89342	106.1710	115.1804	1838.591	19.70938
#1	.0008548	.000347	.0017871	.0007451	.0000293	.0139197	-.005493
#2	.0019141	-.001068	.0007195	.0059431	.0008739	-.004730	-.003681
#3	-.000962	-.000231	.0002098	.0013464	.0002413	-.007300	-.004921

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000070**	**.0000322**	**.0207689**	**.0002162**	**.0000959**	**.0001642**	**.0247091**
Stddev	.000115	.0000287	.0089850	.0001962	.0001731	.0007707	.0047603
%RSD	165.8214	89.29940	43.26176	90.78335	180.4777	469.4661	19.26547
#1	.000060	.0000619	.0272253	.0000831	.0001001	.0006461	.0268995
#2	-.000108	.0000301	.0245739	.0004416	.0002669	.0005711	.0279799
#3	-.000161	.0000045	.0105075	.0001238	-.000079	-.000725	.0192479

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005362**	**.0067277**	**-.000073**	**.0000241**	**.1481179**	**-.001112**	**.0004653**
Stddev	.0001356	.0142556	.000199	.0004202	.1159564	.000521	.0003176
%RSD	25.29304	211.8933	271.9128	1743.291	78.28655	46.87862	68.25517
#1	.0005535	.0225405	-.000303	-.000451	.1257465	-.001668	.0002776
#2	.0003927	.0027823	.000037	.000178	.2736301	-.000635	.0008319
#3	.0006623	-.005140	.000046	.000345	.0449772	-.001033	.0002863

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0164320**	**-.003531**	**.0008212**	**.0002687**	**.0010695**	**.0092597**	**-.000529**
Stddev	.0456876	.000764	.0002788	.0003245	.0007440	.0075762	.000595
%RSD	278.0401	21.63516	33.94895	120.7875	69.57096	81.81985	112.5100
#1	-.013742	-.003733	.0006472	.0006145	.0003634	.0088363	-.000866
#2	.068996	-.002686	.0006736	.0002206	.0018464	.0170387	.000158
#3	-.005958	-.004173	.0011427	-.000029	.0009985	.0019040	-.000878

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB008 Acquired: 1/12/2025 14:04:56 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB008 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000262	-.002442	.0001335
Stddev	.001181	.001350	.0000644
%RSD	451.7775	55.25787	48.20037
#1	.000888	-.001026	.0001319
#2	-.001473	-.002588	.0000700
#3	-.000200	-.003713	.0001986

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2646.852	62252.21	8223.879	2928.131	3766.062
Stddev	3.292	156.95	50.836	3.857	6.051
%RSD	.1243558	.2521259	.6181535	.1317370	.1606588
#1	2644.320	62073.50	8282.423	2926.338	3762.348
#2	2645.664	62367.70	8190.901	2925.496	3762.794
#3	2650.573	62315.41	8198.312	2932.558	3773.044

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-20 Acquired: 1/12/2025 14:09:05 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNE7D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0680030**	**-.006853**	**.2012559**	**.0372103**	**-.005500**	**83.04090**
Stddev	.0005496	.001109	.0003438	.0026145	.001665	.24608
%RSD	.8082191	16.17565	.1708310	7.026222	30.26603	.2963388
#1	.0677481	-.006597	.2016430	.0385636	-.006907	82.78320
#2	.0686337	-.008067	.2011388	.0388708	-.003662	83.06605
#3	.0676270	-.005895	.2009860	.0341966	-.005931	83.27343

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5530588**	**.0059318**	**.0068674**	**19.32822**	**.1333937**	**.1075751**
Stddev	.0025795	.0001907	.0001127	.06916	.0001751	.0003085
%RSD	.4664004	3.214259	1.641224	.3578176	.1312935	.2867607
#1	.5502614	.0059288	.0069174	19.28386	.1332937	.1079204
#2	.5535715	.0061240	.0069464	19.29289	.1335959	.1074784
#3	.5553434	.0057427	.0067383	19.40791	.1332915	.1073267

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1653295**	**209.6769**	**11.39072**	**23.91907**	**.1781140**	**-.020484**
Stddev	.0012038	.9008	.05450	.09388	.0006726	.000123
%RSD	.7280902	.4295944	.4784879	.3925105	.3776249	.5983827
#1	.1645203	208.7757	11.33339	23.84113	.1787801	-.020615
#2	.1667129	209.6779	11.39688	23.89280	.1781268	-.020372
#3	.1647554	210.5772	11.44188	24.02330	.1774351	-.020465

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5028175**	**.2034958**	**.3754857**	**4.992176**	**2.837821**	**.8534876**
Stddev	.1297826	.0025333	.0027560	.028236	.006679	.0041689
%RSD	25.81108	1.244877	.7339784	.5655960	.2353596	.4884484
#1	.4616438	.2006024	.3727514	4.963638	2.839484	.8501470
#2	.6481924	.2045703	.3754428	5.020099	2.843511	.8521563
#3	.3986162	.2053147	.3782628	4.992790	2.830467	.8581595

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-20 Acquired: 1/12/2025 14:09:05 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNE7D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030848	.4329474	F 16.74291	.0101414	1.149472	.0776944
Stddev	.0004205	.0075462	.08175	.0007778	.004218	.0014497
%RSD	13.63035	1.742991	.4882391	7.669550	.3669167	1.865943
#1	.0026193	.4366237	16.64854	.0108410	1.145050	.0760354
#2	.0031982	.4242675	16.79191	.0102795	1.153450	.0787175
#3	.0034370	.4379510	16.78828	.0093038	1.149915	.0783303

Elem	Sr4077
Units	ppm
Avg	.0781162
Stddev	.0002865
%RSD	.3667446
#1	.0777883
#2	.0782420
#3	.0783182

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3229.115	77339.63	10504.04	3635.739	3422.327
Stddev	6.271	130.57	58.14	12.208	9.976
%RSD	.1942121	.1688207	.5534607	.3357671	.2914962
#1	3222.155	77358.57	10534.08	3649.718	3411.920
#2	3234.326	77200.63	10437.03	3630.320	3423.253
#3	3230.865	77459.69	10541.00	3627.180	3431.807

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-19LX5 Acquired: 1/12/2025 14:13:00 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNE7L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0144013**	**-.001012**	**.0396835**	**.0093639**	**-.001186**	**19.57464**	**.1274245**
Stddev	.0014624	.000516	.0028433	.0012972	.000857	.07401	.0007990
%RSD	10.15485	51.03538	7.164858	13.85313	72.30779	.3781039	.6270641
#1	.0127277	-.001126	.0389702	.0095793	-.002138	19.62206	.1271292
#2	.0154328	-.001462	.0372649	.0079724	-.000945	19.48935	.1283292
#3	.0150435	-.000448	.0428155	.0105398	-.000475	19.61250	.1268152

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014455**	**.0009153**	**4.630303**	**.0315622**	**.0205807**	**.0394379**	**50.69135**
Stddev	.0000466	.0000420	.006877	.0002911	.0000799	.0023199	.17337
%RSD	3.221520	4.584708	.1485217	.9223173	.3883483	5.882385	.3420193
#1	.0014989	.0009627	4.638243	.0317680	.0205827	.0390527	50.81835
#2	.0014134	.0009001	4.626363	.0312291	.0204998	.0373348	50.49383
#3	.0014242	.0008831	4.626302	.0316893	.0206596	.0419263	50.76188

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.710722**	**5.724392**	**.0342309**	**-.004925**	**.4034145**	**.0477553**	**.0891847**
Stddev	.006299	.011858	.0002855	.000023	.2860036	.0009736	.0006598
%RSD	.2323566	.2071548	.8340347	.4588768	70.89572	2.038739	.7397787
#1	2.715910	5.735220	.0343472	-.004912	.3874823	.0485152	.0896020
#2	2.703714	5.711719	.0339056	-.004912	.1257099	.0480928	.0884240
#3	2.712543	5.726237	.0344399	-.004951	.6970512	.0466578	.0895279

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.196640**	**.5358852**	**.2040306**	**.0006033**	**.0802231**	**4.030952**	**.0007189**
Stddev	.081421	.0032622	.0005683	.0001697	.0033468	.010385	.0003275
%RSD	6.804146	.6087533	.2785243	28.13097	4.171855	.2576375	45.55929
#1	1.157621	.5392105	.2044887	.0006919	.0827742	4.024795	.0006619
#2	1.142072	.5326900	.2033947	.0004076	.0814615	4.042942	.0010712
#3	1.290227	.5357550	.2042085	.0007103	.0764336	4.025118	.0004236

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-19LX5 Acquired: 1/12/2025 14:13:00 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNE7L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2734791	.0188224	.0182273
Stddev	.0009327	.0004857	.0000553
%RSD	.3410678	2.580165	.3031448
#1	.2729047	.0183143	.0181920
#2	.2729773	.0188709	.0181989
#3	.2745554	.0192820	.0182910

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2785.300	64421.44	8720.258	3059.223	3668.030
Stddev	2.472	229.59	25.093	16.545	5.537
%RSD	.0887592	.3563841	.2877610	.5408192	.1509462
#1	2784.585	64156.65	8711.725	3040.277	3668.579
#2	2788.051	64565.07	8700.544	3066.568	3673.271
#3	2783.265	64542.59	8748.505	3070.823	3662.239

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-21 Acquired: 1/12/2025 14:17:04 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNE7S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1159847**	**.0864597**	**.2317651**	**.1606867**	**.1152651**	**86.15336**
Stddev	.0010430	.0007693	.0013956	.0009023	.0006308	.62777
%RSD	.8992333	.8897629	.6021666	.5615088	.5472322	.7286711
#1	.1153261	.0872089	.2331219	.1615669	.1150115	86.37863
#2	.1171872	.0864984	.2318398	.1607292	.1159832	85.44403
#3	.1154409	.0856718	.2303337	.1597639	.1148007	86.63741

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.190654**	**.0795888**	**.0967315**	**19.32207**	**.4432576**	**1.009971**
Stddev	.026901	.0004545	.0004551	.11867	.0009158	.002382
%RSD	.8431057	.5710435	.4704525	.6141889	.2066150	.2358609
#1	3.195902	.0795618	.0972568	19.36434	.4442186	1.010541
#2	3.161516	.0800562	.0964552	19.18805	.4423949	1.007356
#3	3.214543	.0791484	.0964827	19.41383	.4431591	1.012016

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5156339**	**212.7927**	**12.01060**	**24.14448**	**1.082510**	**.0341154**
Stddev	.0026012	1.4893	.07206	.13840	.002924	.0005297
%RSD	.5044648	.6998660	.5999746	.5732126	.2701209	1.552774
#1	.5169744	213.2562	12.01357	24.20368	1.085024	.0343440
#2	.5126358	211.1268	11.93710	23.98632	1.079301	.0335098
#3	.5172913	213.9951	12.08113	24.24343	1.083204	.0344925

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5442250**	**.9476943**	**1.150493**	**4.924633**	**2.759983**	**.8661613**
Stddev	.0708481	.0032868	.004866	.024751	.003993	.0067867
%RSD	13.01817	.3468221	.4229607	.5026020	.1446857	.7835414
#1	.5310121	.9486650	1.155238	4.899465	2.764564	.8681473
#2	.4809136	.9440315	1.150726	4.948945	2.757238	.8586031
#3	.6207495	.9503865	1.145514	4.925489	2.758146	.8717335

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-21 Acquired: 1/12/2025 14:17:04 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNE7S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028003	.4327105	F 16.75831	.0104194	1.140317	.0786298
Stddev	.0005448	.0051696	.02083	.0007042	.002842	.0005894
%RSD	19.45656	1.194704	.1243085	6.758242	.2492486	.7495383
#1	.0032570	.4270365	16.73427	.0096585	1.138792	.0780363
#2	.0029468	.4371536	16.77106	.0105515	1.138562	.0786383
#3	.0021972	.4339413	16.76959	.0110482	1.143596	.0792149

Elem	Sr4077
Units	ppm
Avg	.0773802
Stddev	.0007226
%RSD	.9338761
#1	.0776835
#2	.0765554
#3	.0779018

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3241.281	77297.27	10562.90	3645.753	3441.936
Stddev	7.685	173.98	36.53	9.429	11.432
%RSD	.2371101	.2250809	.3458231	.2586319	.3321453
#1	3233.760	77303.89	10574.82	3639.847	3431.934
#2	3249.121	77467.84	10521.90	3640.785	3454.398
#3	3240.961	77120.07	10591.98	3656.627	3439.476

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-22 Acquired: 1/12/2025 14:20:56 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNE8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0512215**	**-.006148**	**.1094512**	**.0370137**	**-.005677**	**97.99093**
Stddev	.0009178	.001132	.0015228	.0020746	.000289	.54313
%RSD	1.791866	18.41835	1.391293	5.604895	5.090535	.5542648
#1	.0511974	-.004950	.1105301	.0374574	-.005966	97.58813
#2	.0503159	-.007200	.1101142	.0347532	-.005388	97.77604
#3	.0521511	-.006295	.1077093	.0388306	-.005676	98.60863

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6766803**	**.0054193**	**.0070355**	**22.85281**	**.1504679**	**.1196275**
Stddev	.0048979	.0000946	.0001169	.12124	.0003720	.0004004
%RSD	.7238185	1.746012	1.661504	.5305082	.2472047	.3347369
#1	.6714522	.0053519	.0070351	22.74746	.1501198	.1193419
#2	.6774262	.0055275	.0069189	22.82565	.1508598	.1200853
#3	.6811624	.0053786	.0071527	22.98533	.1504241	.1194554

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1873540**	**191.9539**	**6.648984**	**32.78862**	**.2503189**	**-.018161**
Stddev	.0007591	.9722	.044253	.16052	.0006489	.000436
%RSD	.4051723	.5064794	.6655591	.4895680	.2592206	2.399471
#1	.1879820	191.1574	6.601007	32.68690	.2504886	-.018281
#2	.1875697	191.6670	6.657741	32.70529	.2508661	-.018525
#3	.1865104	193.0372	6.688203	32.97368	.2496021	-.017678

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6993773**	**.1888558**	**.3965291**	**6.670406**	**6.331075**	**.7941450**
Stddev	.2133678	.0025074	.0012685	.019902	.027335	.0055783
%RSD	30.50826	1.327651	.3199116	.2983634	.4317603	.7024260
#1	.5534567	.1860086	.3966663	6.648167	6.332669	.7909048
#2	.9442568	.1907344	.3951975	6.676507	6.357578	.7909441
#3	.6004184	.1898244	.3977234	6.686543	6.302978	.8005862

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-22 Acquired: 1/12/2025 14:20:56 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNE8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019239	.5271517	F 15.23683	.0089520	1.417659	.1085659
Stddev	.0001029	.0034131	.06794	.0001079	.001887	.0010096
%RSD	5.345764	.6474690	.4458852	1.205153	.1331010	.9299802
#1	.0018057	.5292480	15.15838	.0088353	1.415564	.1077245
#2	.0019932	.5289939	15.27559	.0089728	1.419225	.1082878
#3	.0019728	.5232133	15.27651	.0090480	1.418188	.1096855

Elem	Sr4077
Units	ppm
Avg	.0850207
Stddev	.0003999
%RSD	.4703940
#1	.0848181
#2	.0847625
#3	.0854813

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3744.647	86795.12	12284.07	4128.899	3450.790
Stddev	9.088	182.16	44.71	6.948	10.431
%RSD	.2426801	.2098689	.3639395	.1682701	.3022680
#1	3742.007	87001.96	12291.27	4131.568	3450.660
#2	3737.172	86724.77	12236.20	4134.117	3440.425
#3	3754.762	86658.63	12324.74	4121.013	3461.286

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-01 Acquired: 1/12/2025 14:24:53 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNC3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0993577**	**-.002928**	**3.691362**	**.0452663**	**.0039841**	**45.70058**
Stddev	.0023220	.000527	.006640	.0049312	.0002997	.24974
%RSD	2.337004	17.98192	.1798665	10.89376	7.521605	.5464715
#1	.0984126	-.002519	3.697718	.0408616	.0041314	45.58308
#2	.0976574	-.002743	3.691896	.0505937	.0036393	45.53127
#3	.1020032	-.003522	3.684471	.0443435	.0041817	45.98740

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.070286**	**.0032501**	**.0129893**	**282.6042**	**.1651142**	**.0755096**
Stddev	.006535	.0000757	.0000869	1.3833	.0005880	.0002488
%RSD	.6105650	2.328048	.6689684	.4894686	.3561392	.3295175
#1	1.065867	.0033123	.0130666	281.7545	.1650073	.0753884
#2	1.067199	.0032721	.0130060	281.8577	.1645869	.0753446
#3	1.077793	.0031659	.0128952	284.2003	.1657483	.0757958

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6392870**	**222.0215**	**5.129482**	**59.84106**	**.2411804**	**-.017516**
Stddev	.0041421	1.2414	.024966	.24394	.0012917	.000145
%RSD	.6479204	.5591301	.4867203	.4076413	.5355572	.8295765
#1	.6387917	221.2901	5.112586	59.76501	.2426706	-.017364
#2	.6436545	221.3194	5.117700	59.64421	.2403823	-.017653
#3	.6354149	223.4548	5.158159	60.11397	.2404882	-.017533

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8767867**	**.1784257**	**5.312009**	**7.216105**	F **12.68331**	**.9685688**
Stddev	.2537154	.0017411	.013054	.049092	.02049	.0045600
%RSD	28.93695	.9758388	.2457372	.6803145	.1615415	.4707994
#1	1.070280	.1777436	5.321943	7.169521	12.69890	.9652913
#2	.589536	.1804046	5.297225	7.211424	12.66010	.9666385
#3	.970544	.1771289	5.316860	7.267370	12.69093	.9737765

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-01 Acquired: 1/12/2025 14:24:53 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNC3 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0079303	6.850763	F 19.53488	.4281152	1.057969	.0764442
Stddev	.0003263	.003948	.04381	.0006897	.002532	.0007233
%RSD	4.114068	.0576241	.2242684	.1611026	.2393274	.9461662
#1	.0082767	6.855233	19.50050	.4288500	1.055077	.0763537
#2	.0076288	6.849301	19.58421	.4274817	1.059789	.0757705
#3	.0078854	6.847755	19.51993	.4280140	1.059040	.0772086

Elem	Sr4077
Units	ppm
Avg	.5031100
Stddev	.0023477
%RSD	.4666377
#1	.5020146
#2	.5015101
#3	.5058052

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2783.664	64307.78	9651.833	3045.757	3306.967
Stddev	1.788	337.16	3.682	12.400	2.609
%RSD	.0642222	.5242905	.0381448	.4071263	.0788871
#1	2785.682	64479.76	9648.328	3041.461	3303.991
#2	2782.276	64524.26	9651.502	3059.734	3308.051
#3	2783.036	63919.31	9655.669	3036.077	3308.859

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-02 Acquired: 1/12/2025 14:28:47 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNC4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1062284**	**-.003749**	**4.491593**	**.0456408**	**.0119645**	**49.77548**
Stddev	.0008862	.001457	.005342	.0042434	.0010581	.31026
%RSD	.8342157	38.85385	.1189375	9.297416	8.843454	.6233147
#1	.1057575	-.003691	4.492861	.0410404	.0117132	49.45296
#2	.1056770	-.005235	4.496187	.0464804	.0131256	49.80164
#3	.1072506	-.002323	4.485731	.0494017	.0110547	50.07182

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.154878**	**.0043117**	**.0156896**	**258.8061**	**.1464719**	**.0876715**
Stddev	.006685	.0000367	.0000701	1.2210	.0003853	.0003050
%RSD	.5788355	.8515023	.4468447	.4717849	.2630582	.3479127
#1	1.148039	.0043437	.0157641	257.4071	.1461003	.0874788
#2	1.155199	.0043197	.0156249	259.3540	.1464459	.0875125
#3	1.161397	.0042716	.0156798	259.6572	.1468696	.0880232

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9762237**	**234.3833**	**5.204503**	**64.74142**	**.2595047**	**-.020708**
Stddev	.0022727	1.3069	.028910	.35832	.0007772	.000198
%RSD	.2328071	.5575942	.5554783	.5534708	.2994864	.9581550
#1	.9739701	232.9273	5.171344	64.32931	.2597181	-.020497
#2	.9785151	234.7675	5.224426	64.97941	.2601528	-.020890
#3	.9761861	235.4550	5.217738	64.91554	.2586431	-.020739

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.415968**	**.1412937**	**6.862747**	**7.659714**	F **12.61323**	**1.135866**
Stddev	.039210	.0015639	.036990	.046319	.01080	.006328
%RSD	2.769136	1.106807	.5389948	.6047074	.0855852	.5571332
#1	1.397176	.1425684	6.879973	7.619270	12.61581	1.128692
#2	1.389690	.1417640	6.820285	7.649626	12.60138	1.138249
#3	1.461037	.1395486	6.887981	7.710245	12.62250	1.140656

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-02 Acquired: 1/12/2025 14:28:47 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNC4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0069592	6.508962	F 21.68863	.5027895	1.244054	.0835187
Stddev	.0002369	.011456	.06929	.0014041	.004088	.0011307
%RSD	3.404407	.1760056	.3194860	.2792568	.3286001	1.353847
#1	.0068429	6.511262	21.62976	.5033435	1.240901	.0823110
#2	.0068029	6.496531	21.76499	.5038321	1.248673	.0836930
#3	.0072318	6.519094	21.67114	.5011930	1.242587	.0845522

Elem	Sr4077
Units	ppm
Avg	.5035380
Stddev	.0035251
%RSD	.7000708
#1	.4999850
#2	.5035944
#3	.5070346

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2809.310	66350.71	9696.691	3129.404	3264.849
Stddev	3.359	303.19	43.019	6.604	1.743
%RSD	.1195689	.4569544	.4436484	.2110416	.0533788
#1	2807.591	66669.57	9710.458	3133.317	3265.632
#2	2813.180	66066.09	9648.473	3133.116	3262.852
#3	2807.158	66316.48	9731.141	3121.779	3266.062

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-03 Acquired: 1/12/2025 14:32:40 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNC5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3207874**	**.0002254**	**2.026779**	**.1324490**	**.0136598**	**31.27436**
Stddev	.0012803	.0019001	.006887	.0012183	.0031472	.14337
%RSD	.3991256	842.8716	.3397840	.9198263	23.03985	.4584240
#1	.3212241	.0006517	2.033499	.1326873	.0162624	31.43855
#2	.3217922	.0018762	2.027102	.1335306	.0145550	31.17396
#3	.3193458	-.001852	2.019737	.1311292	.0101620	31.21057

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.193348**	**.0011300**	**.0259028**	**121.3604**	**.1248808**	**.0688544**
Stddev	.005235	.0000598	.0001706	.4463	.0006487	.0004260
%RSD	.4386844	5.296927	.6586750	.3677595	.5194602	.6187461
#1	1.199174	.0010634	.0260720	121.8500	.1255649	.0691354
#2	1.191830	.0011471	.0257309	121.2550	.1242745	.0690635
#3	1.189040	.0011794	.0259055	120.9762	.1248029	.0683642

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5890827**	**586.4937**	**4.642523**	**25.29831**	**.1665137**	**-.061374**
Stddev	.0018828	.8815	.017698	.06474	.0013156	.000465
%RSD	.3196153	.1502929	.3812103	.2559228	.7900693	.7569059
#1	.5881322	587.5050	4.662569	25.37210	.1679084	-.061092
#2	.5912513	585.8881	4.635940	25.25105	.1663379	-.061120
#3	.5878647	586.0880	4.629060	25.27177	.1652949	-.061910

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.919840**	**.1216903**	**10.55893**	**5.619740**	F **11.39756**	**2.434676**
Stddev	.025185	.0012275	.02303	.048290	.03967	.007227
%RSD	.8625343	1.008717	.2181192	.8592942	.3480658	.2968286
#1	2.927956	.1203588	10.54893	5.600244	11.44334	2.442703
#2	2.939966	.1227769	10.54258	5.674730	11.37590	2.428687
#3	2.891598	.1219353	10.58527	5.584245	11.37343	2.432637

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-03 Acquired: 1/12/2025 14:32:40 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNC5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0153021	F 26.17827	F 19.47147	.1290486	1.561152	.0589167
Stddev	.0004302	.08732	.04222	.0016581	.006721	.0003028
%RSD	2.811216	.3335689	.2168404	1.284869	.4304879	.5139174
#1	.0157729	26.27909	19.43301	.1279737	1.554625	.0591481
#2	.0149295	26.12640	19.51665	.1309581	1.568051	.0590280
#3	.0152040	26.12933	19.46474	.1282138	1.560779	.0585740

Elem	Sr4077
Units	ppm
Avg	.5636431
Stddev	.0030200
%RSD	.5358082
#1	.5668711
#2	.5608863
#3	.5631720

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2664.825	63512.43	9087.774	2975.416	3389.622
Stddev	6.862	169.76	42.651	2.508	7.472
%RSD	.2574882	.2672814	.4693188	.0843000	.2204372
#1	2656.903	63340.48	9125.400	2972.742	3380.994
#2	2668.882	63516.90	9041.442	2977.718	3393.958
#3	2668.692	63679.91	9096.480	2975.787	3393.914

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-04 Acquired: 1/12/2025 14:36:41 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNC6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2259045**	**-.003471**	**1.431310**	**.1108012**	**-.001306**	**86.01473**
Stddev	.0027923	.003309	.002937	.0009805	.001346	.59518
%RSD	1.236073	95.34310	.2052273	.8849059	103.0546	.6919492
#1	.2271696	-.000593	1.431288	.1100010	-.002835	86.70016
#2	.2278404	-.002733	1.434258	.1105076	-.000295	85.71537
#3	.2227035	-.007087	1.428383	.1118949	-.000789	85.62867

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8016631**	**.0048476**	**.0134037**	**226.5808**	**.1642304**	**.0788475**
Stddev	.0071648	.0000990	.0000273	1.3210	.0004156	.0001183
%RSD	.8937431	2.041293	.2036689	.5829997	.2530505	.1500109
#1	.8099307	.0047373	.0134318	228.0792	.1646720	.0787741
#2	.7977938	.0049284	.0134021	226.0787	.1641724	.0787845
#3	.7972649	.0048773	.0133772	225.5845	.1638469	.0789839

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3914149**	**475.0522**	**3.571326**	**33.78242**	**.2452906**	**-.051340**
Stddev	.0002895	1.1564	.020705	.21804	.0012228	.000692
%RSD	.0739605	.2434204	.5797499	.6454234	.4985224	1.348586
#1	.3916487	474.5572	3.595124	34.03418	.2441735	-.051601
#2	.3915050	476.3737	3.561413	33.65436	.2451012	-.050556
#3	.3910911	474.2258	3.557442	33.65873	.2465971	-.051865

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.584785**	**.1638587**	**2.833212**	**10.15508**	**5.035101**	**1.982099**
Stddev	.118788	.0017803	.006185	.14005	.004547	.004937
%RSD	4.595649	1.086488	.2182997	1.379137	.0903043	.2490813
#1	2.455786	.1656597	2.834701	10.30954	5.030920	1.981805
#2	2.608912	.1638165	2.826418	10.11934	5.039942	1.987176
#3	2.689657	.1620998	2.838516	10.03636	5.034440	1.977315

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-04 Acquired: 1/12/2025 14:36:41 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNC6 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0118595	F 16.74631	F 21.73526	.0586018	.8936783	.1476265
Stddev	.0003528	.05238	.05563	.0010174	.0015168	.0021627
%RSD	2.974506	.3127910	.2559370	1.736152	.1697270	1.465004
#1	.0116392	16.68768	21.67294	.0587413	.8944083	.1501168
#2	.0122664	16.78850	21.75292	.0575218	.8946921	.1465428
#3	.0116729	16.76274	21.77991	.0595422	.8919345	.1462198

Elem	Sr4077
Units	ppm
Avg	.5470819
Stddev	.0045534
%RSD	.8323079
#1	.5523376
#2	.5445835
#3	.5443246

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2616.906	63418.17	8782.920	2962.749	3252.795
Stddev	3.720	176.39	45.305	4.709	3.877
%RSD	.1421530	.2781403	.5158345	.1589566	.1191881
#1	2616.771	63233.61	8834.714	2963.292	3250.926
#2	2613.255	63435.82	8750.650	2957.792	3250.207
#3	2620.691	63585.07	8763.396	2967.164	3257.253

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-05 Acquired: 1/12/2025 14:40:44 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNC7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1920199**	**-.004789**	**1.119968**	**.0343913**	**-.000283**	**53.70108**
Stddev	.0010451	.001095	.002579	.0025171	.001007	.07920
%RSD	.5442916	22.86383	.2302558	7.318963	356.3001	.1474894
#1	.1930490	-.004238	1.120671	.0367142	.000878	53.79178
#2	.1909594	-.006050	1.117110	.0347427	-.000804	53.66588
#3	.1920514	-.004079	1.122122	.0317169	-.000923	53.64557

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7566974**	**.0048173**	**.0081012**	F **974.6396**	**.0965127**	**.0842305**
Stddev	.0018362	.0001749	.0000166	1.9015	.0007150	.0005694
%RSD	.2426616	3.630452	.2043919	.1950998	.7408403	.6760006
#1	.7569434	.0047063	.0080970	976.8342	.0958526	.0843732
#2	.7583982	.0047266	.0081194	973.4816	.0964135	.0836033
#3	.7547506	.0050189	.0080871	973.6031	.0972722	.0847150

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2678645**	**203.9165**	**6.771241**	**127.4051**	**.1927373**	**-.018359**
Stddev	.0025845	.5357	.019423	.3823	.0006825	.000222
%RSD	.9648368	.2627132	.2868452	.3000816	.3540857	1.209842
#1	.2653575	204.5271	6.791189	127.8465	.1922263	-.018303
#2	.2677161	203.5254	6.770145	127.1755	.1924731	-.018171
#3	.2705200	203.6969	6.752389	127.1934	.1935123	-.018604

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.234499**	**.1038484**	**1.140913**	**12.48273**	**5.672305**	**.9190588**
Stddev	.220958	.0008518	.004192	.06594	.021397	.0024621
%RSD	17.89859	.8202360	.3674079	.5282756	.3772222	.2678954
#1	1.394522	.1038420	1.141784	12.55250	5.665940	.9217651
#2	.982392	.1047034	1.144600	12.47425	5.696162	.9184601
#3	1.326584	.1029999	1.136354	12.42143	5.654812	.9169513

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-05 Acquired: 1/12/2025 14:40:44 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNC7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0063883	4.558583	F 20.34720	.0441810	.2557836	.1315257
Stddev	.0003165	.028247	.02515	.0004604	.0004051	.0023981
%RSD	4.954112	.6196481	.1235820	1.042163	.1583919	1.823278
#1	.0060458	4.556011	20.31996	.0437456	.2562471	.1335339
#2	.0066700	4.588028	20.35212	.0446630	.2554969	.1321728
#3	.0064490	4.531709	20.36952	.0441343	.2556068	.1288705

Elem	Sr4077
Units	ppm
Avg	1.035190
Stddev	.001300
%RSD	.1256015
#1	1.036499
#2	1.033899
#3	1.035172

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2709.437	63101.85	9502.108	2990.040	2925.995
Stddev	1.934	205.57	22.810	9.636	4.869
%RSD	.0713726	.3257699	.2400539	.3222595	.1663929
#1	2707.480	62875.38	9513.697	2991.044	2929.819
#2	2709.485	63276.67	9516.797	2979.942	2920.514
#3	2711.346	63153.49	9475.830	2999.135	2927.653

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-06 Acquired: 1/12/2025 14:44:49 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNC8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1120504**	**-.005004**	**.5793539**	**.0171352**	**-.000286**	**45.82647**
Stddev	.0010975	.002310	.0027862	.0024505	.002427	.45383
%RSD	.9794920	46.16647	.4809124	14.30085	850.0128	.9903269
#1	.1119642	-.007606	.5814554	.0199426	-.001692	45.48042
#2	.1109985	-.004213	.5804129	.0160371	-.001682	45.65868
#3	.1131885	-.003193	.5761935	.0154257	.002517	46.34030

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4466359**	**.0041147**	**.0045842**	F **1202.710**	**.0723030**	**.0675501**
Stddev	.0052124	.0000641	.0000318	11.169	.0007770	.0005467
%RSD	1.167040	1.557793	.6931320	.9286424	1.074695	.8092717
#1	.4427652	.0041501	.0045860	1195.768	.0722423	.0681148
#2	.4445798	.0040407	.0045516	1196.769	.0715581	.0670235
#3	.4525628	.0041532	.0046151	1215.594	.0731086	.0675120

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1112371**	**142.6490**	**5.111327**	**146.9320**	**.1621554**	**-.012616**
Stddev	.0003849	1.1644	.055203	1.2689	.0008580	.000454
%RSD	.3459781	.8162668	1.080004	.8636246	.5291087	3.594931
#1	.1115603	141.6564	5.081700	145.8971	.1631122	-.012475
#2	.1108114	142.3598	5.077264	146.5512	.1618994	-.012250
#3	.1113396	143.9307	5.175019	148.3477	.1614545	-.013123

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9490149**	**.0745291**	**.6268912**	**13.19566**	**3.056354**	**.6824633**
Stddev	.0524379	.0017316	.0075714	.13486	.016363	.0048288
%RSD	5.525504	2.323454	1.207772	1.021984	.5353609	.7075555
#1	.9933729	.0726474	.6210094	13.06252	3.075232	.6783788
#2	.8911427	.0748845	.6242304	13.19229	3.046244	.6812185
#3	.9625290	.0760555	.6354339	13.33217	3.047586	.6877927

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-06 Acquired: 1/12/2025 14:44:49 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNC8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0037063	3.154306	F 19.78968	.0088462	.1380292	.1257056
Stddev	.0002943	.010779	.05981	.0004976	.0015612	.0008538
%RSD	7.939678	.3417384	.3022348	5.625196	1.131027	.6792103
#1	.0040356	3.160338	19.72314	.0084681	.1362898	.1250119
#2	.0034691	3.160719	19.83897	.0094100	.1384892	.1266591
#3	.0036141	3.141861	19.80693	.0086607	.1393088	.1254458

Elem	Sr4077
Units	ppm
Avg	1.015777
Stddev	.009036
%RSD	.8895990
#1	1.007264
#2	1.014807
#3	1.025259

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2596.951	60352.76	9309.064	2868.598	2846.976
Stddev	9.009	634.22	19.631	37.430	15.350
%RSD	.3469121	1.050855	.2108780	1.304820	.5391567
#1	2587.148	60658.39	9305.025	2893.668	2830.501
#2	2604.868	60776.29	9330.400	2886.554	2860.874
#3	2598.838	59623.59	9291.767	2825.573	2849.552

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-07 Acquired: 1/12/2025 14:48:52 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNH8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1316033**	**-.000925**	**2.329598**	**.0314400**	**.0003706**	**65.99142**
Stddev	.0006042	.001850	.004030	.0025739	.0022273	.22973
%RSD	.4591011	199.9536	.1729904	8.186595	601.0121	.3481277
#1	.1318096	.001123	2.334096	.0285896	.0002494	66.13625
#2	.1309230	-.002473	2.326317	.0335940	.0026560	66.11148
#3	.1320773	-.001425	2.328381	.0321364	-.001794	65.72653

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.266881**	**.0047864**	**.0101821**	**54.94828**	**.1665053**	**.0764149**
Stddev	.002762	.0000163	.0000727	.20343	.0005784	.0001446
%RSD	.2180316	.3396604	.7136256	.3702296	.3473514	.1892378
#1	1.269135	.0047677	.0102570	55.00755	.1658422	.0764931
#2	1.267708	.0047945	.0101774	55.11550	.1669053	.0765036
#3	1.263799	.0047970	.0101119	54.72179	.1667684	.0762480

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4911304**	**144.4322**	**5.312042**	**14.53082**	**.1557031**	**-.010282**
Stddev	.0033203	.4710	.015384	.05054	.0007671	.000199
%RSD	.6760456	.3261359	.2896138	.3478379	.4926560	1.934623
#1	.4898151	144.6143	5.313945	14.48748	.1565778	-.010249
#2	.4886693	144.7849	5.326387	14.58634	.1551452	-.010496
#3	.4949068	143.8972	5.295795	14.51864	.1553861	-.010102

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6707559**	**.1614817**	**2.705258**	**9.681254**	F **25.57260**	**.6127951**
Stddev	.2515982	.0022275	.007272	.021902	.05105	.0023972
%RSD	37.50965	1.379411	.2688241	.2262300	.1996231	.3911961
#1	.9607986	.1602386	2.701108	9.656440	25.62757	.6132272
#2	.5113092	.1601530	2.701011	9.689431	25.56354	.6149469
#3	.5401599	.1640533	2.713655	9.697891	25.52669	.6102112

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-07 Acquired: 1/12/2025 14:48:52 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNH8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0066702	3.009836	F 21.62282	.1556238	.5531154	.0666707
Stddev	.0001608	.004417	.07853	.0001265	.0003033	.0006959
%RSD	2.411268	.1467355	.3631986	.0813135	.0548331	1.043787
#1	.0065497	3.014920	21.58545	.1555101	.5527855	.0658838
#2	.0068528	3.006942	21.56995	.1557601	.5531785	.0672054
#3	.0066080	3.007646	21.71306	.1556013	.5533821	.0669228

Elem	Sr4077
Units	ppm
Avg	.1399879
Stddev	.0006062
%RSD	.4330153
#1	.1401284
#2	.1405114
#3	.1393238

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3062.048	70489.21	10055.39	3341.958	3545.516
Stddev	4.910	106.06	40.74	14.480	8.437
%RSD	.1603353	.1504607	.4051952	.4332868	.2379628
#1	3056.429	70459.77	10078.10	3344.679	3536.936
#2	3065.505	70400.99	10079.71	3354.885	3553.803
#3	3064.210	70606.88	10008.35	3326.310	3545.809

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-08 Acquired: 1/12/2025 14:52:47 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNH9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0563155**	**-.003991**	**1.016409**	**.0239898**	**.0512451**	**50.16925**
Stddev	.0026684	.001794	.000980	.0014330	.0016605	.40403
%RSD	4.738356	44.94342	.0963778	5.973253	3.240339	.8053294
#1	.0552707	-.004779	1.017223	.0233104	.0518250	49.97938
#2	.0543275	-.001938	1.015322	.0230229	.0493724	50.63324
#3	.0593482	-.005256	1.016683	.0256361	.0525379	49.89514

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6197961**	**.0035219**	**.0100179**	**355.5802**	**.1454839**	**.0629787**
Stddev	.0048426	.0001269	.0001218	2.0979	.0006853	.0001507
%RSD	.7813240	3.603715	1.215968	.5899884	.4710245	.2392248
#1	.6163361	.0036667	.0099377	353.7352	.1458229	.0628966
#2	.6253303	.0034300	.0101581	355.1432	.1459337	.0631526
#3	.6177218	.0034691	.0099580	357.8621	.1446952	.0628869

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5740883**	**140.7619**	**6.182437**	**77.32365**	**.1772590**	**-.009698**
Stddev	.0007894	1.0779	.038553	.50734	.0009706	.000374
%RSD	.1375070	.7657639	.6235862	.6561259	.5475620	3.860818
#1	.5749320	140.2956	6.165590	77.05148	.1770838	-.009833
#2	.5733676	141.9945	6.226546	77.90900	.1783053	-.009275
#3	.5739653	139.9957	6.155176	77.01048	.1763880	-.009987

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9952162**	**.1211578**	**1.533766**	**7.812587**	**9.149109**	**.6385657**
Stddev	.0982385	.0009599	.009991	.097517	.006864	.0061338
%RSD	9.871072	.7922328	.6513736	1.248207	.0750236	.9605672
#1	.9190028	.1207730	1.540086	7.756988	9.156851	.6360545
#2	.9605600	.1204501	1.538965	7.925187	9.143767	.6455566
#3	1.106086	.1222504	1.522248	7.755586	9.146709	.6340859

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-08 Acquired: 1/12/2025 14:52:47 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNH9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060422	3.551889	F 19.93153	.1075085	.9502148	.0927117
Stddev	.0004127	.006186	.12455	.0012183	.0072815	.0008443
%RSD	6.830470	.1741474	.6248852	1.133201	.7662957	.9106824
#1	.0064283	3.546772	20.01556	.1076323	.9523507	.0919598
#2	.0060910	3.558763	19.78844	.1086602	.9421043	.0936251
#3	.0056072	3.550132	19.99058	.1062330	.9561895	.0925502

Elem	Sr4077
Units	ppm
Avg	.3087030
Stddev	.0030759
%RSD	.9964057
#1	.3072648
#2	.3122346
#3	.3066097

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2727.953	64752.39	9614.222	3064.979	3146.208
Stddev	7.620	156.86	76.530	16.281	5.149
%RSD	.2793180	.2422520	.7960106	.5311797	.1636721
#1	2719.260	64835.88	9595.734	3064.940	3141.189
#2	2733.477	64571.44	9698.303	3048.717	3145.956
#3	2731.122	64849.85	9548.631	3081.278	3151.478

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-09 Acquired: 1/12/2025 14:56:51 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNJ0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0562328	-.010558	.4099859	.0332371	.0145065	63.98454
Stddev	.0008165	.003282	.0027021	.0014797	.0019860	.06464
%RSD	1.452097	31.08712	.6590805	4.451805	13.69068	.1010282
#1	.0552899	-.010893	.4127708	.0349453	.0155138	63.91597
#2	.0566973	-.013659	.4098119	.0324137	.0122187	64.04436
#3	.0567111	-.007121	.4073749	.0323523	.0157872	63.99329

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4132420	.0049370	.0128718	589.9147	.1592426	.0978653
Stddev	.0007608	.0001749	.0000910	3.5645	.0007373	.0004569
%RSD	.1841151	3.543378	.7069668	.6042396	.4630145	.4668192
#1	.4132225	.0051309	.0129729	586.8774	.1591822	.0980823
#2	.4140124	.0047910	.0128461	593.8389	.1600082	.0981732
#3	.4124911	.0048893	.0127964	589.0278	.1585373	.0973404

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2035723	222.5158	8.153967	68.05057	.2435605	-.020817
Stddev	.0024476	.2670	.009113	.06186	.0020581	.000248
%RSD	1.202316	.1199774	.1117603	.0909041	.8450094	1.191775
#1	.2053738	222.2180	8.143543	67.98023	.2457474	-.020885
#2	.2007857	222.7337	8.160425	68.07500	.2432725	-.021023
#3	.2045574	222.5957	8.157933	68.09650	.2416616	-.020541

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9917358	.1407659	.8263005	12.87642	6.603135	.9865998
Stddev	.0694539	.0015960	.0038754	.01783	.029290	.0020694
%RSD	7.003269	1.133817	.4690014	.1384482	.4435813	.2097538
#1	.9385075	.1422183	.8292735	12.88803	6.636558	.9842688
#2	.9663988	.1390573	.8277103	12.88533	6.581939	.9882209
#3	1.070301	.1410220	.8219175	12.85589	6.590909	.9873096

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-09 Acquired: 1/12/2025 14:56:51 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNJ0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014362	1.264523	F 18.89280	.0403018	1.318021	.1595016
Stddev	.0003829	.005454	.09055	.0003695	.006649	.0003426
%RSD	26.66408	.4313247	.4792733	.9167207	.5044353	.2148033
#1	.0011834	1.269812	18.81682	.0401276	1.315244	.1591701
#2	.0012484	1.264840	18.86859	.0407262	1.313211	.1594805
#3	.0018768	1.258917	18.99299	.0400517	1.325608	.1598543

Elem	Sr4077
Units	ppm
Avg	.3792159
Stddev	.0004050
%RSD	.1067917
#1	.3796600
#2	.3791205
#3	.3788671

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2964.779	68867.98	10166.94	3248.918	3097.963
Stddev	8.735	92.24	39.65	2.959	15.983
%RSD	.2946230	.1339333	.3900288	.0910709	.5159296
#1	2963.547	68965.75	10193.91	3249.676	3082.819
#2	2956.726	68782.52	10185.51	3245.654	3096.398
#3	2974.065	68855.65	10121.41	3251.425	3114.671

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-10 Acquired: 1/12/2025 15:00:56 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNJ0D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0541464**	**-.009695**	**.4097203**	**.0322841**	**.0153251**	**63.04984**
Stddev	.0002981	.002705	.0022101	.0027721	.0016889	.11548
%RSD	.5506222	27.89643	.5394200	8.586675	11.02045	.1831504
#1	.0544906	-.007027	.4089250	.0354342	.0148737	63.01830
#2	.0539754	-.012435	.4122180	.0312015	.0139078	63.17781
#3	.0539730	-.009622	.4080179	.0302167	.0171939	62.95341

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4101670**	**.0050771**	**.0131044**	**581.9273**	**.1578726**	**.0979667**
Stddev	.0029796	.0001855	.0001265	3.1176	.0006111	.0001177
%RSD	.7264297	3.654233	.9653927	.5357328	.3870870	.1201394
#1	.4067356	.0050574	.0131965	582.0665	.1573809	.0980118
#2	.4120988	.0049021	.0129602	584.9730	.1576800	.0980553
#3	.4116668	.0052716	.0131566	578.7425	.1585567	.0978332

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2047901**	**218.8112**	**8.073635**	**66.95139**	**.2437121**	**-.021392**
Stddev	.0022202	.4991	.033404	.20394	.0006091	.000100
%RSD	1.084149	.2281010	.4137417	.3046066	.2499258	.4674970
#1	.2023174	218.4042	8.035939	66.72718	.2439938	-.021406
#2	.2054405	219.3681	8.085407	67.12585	.2430131	-.021286
#3	.2066126	218.6613	8.099560	67.00115	.2441294	-.021485

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.071011**	**.1434101**	**.8241859**	**12.65992**	**6.762961**	**.9696986**
Stddev	.044884	.0017289	.0036248	.08144	.006078	.0026920
%RSD	4.190834	1.205540	.4398048	.6432531	.0898735	.2776077
#1	1.086747	.1450144	.8264109	12.57416	6.767082	.9668089
#2	1.020378	.1436369	.8261436	12.66939	6.755980	.9721353
#3	1.105909	.1415790	.8200032	12.73620	6.765820	.9701515

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-10 Acquired: 1/12/2025 15:00:56 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNJ0D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015428	1.282651	F 19.10305	.0409426	1.324452	.1581655
Stddev	.0003897	.002328	.08963	.0006237	.002245	.0006049
%RSD	25.25754	.1815373	.4691718	1.523391	.1695009	.3824640
#1	.0014198	1.280469	19.07647	.0404850	1.323378	.1579299
#2	.0019792	1.282382	19.02973	.0416530	1.322945	.1588528
#3	.0012296	1.285102	19.20297	.0406898	1.327032	.1577138

Elem	Sr4077
Units	ppm
Avg	.3707748
Stddev	.0007429
%RSD	.2003544
#1	.3707689
#2	.3715206
#3	.3700349

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2931.668	69002.11	10014.98	3223.342	3059.318
Stddev	8.506	96.12	30.10	14.010	8.036
%RSD	.2901465	.1393007	.3005604	.4346390	.2626719
#1	2922.216	69112.83	10012.62	3213.700	3050.180
#2	2934.085	68939.99	10046.19	3216.913	3062.492
#3	2938.705	68953.51	9986.13	3239.412	3065.283

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-09LX5 Acquired: 1/12/2025 15:05:00 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNJ0L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0107103**	**-.001842**	**.0810139**	**.0098546**	**.0010447**	**12.71723**	**.0782436**
Stddev	.0010332	.001325	.0007348	.0003916	.0012216	.03391	.0000399
%RSD	9.646853	71.93576	.9070410	3.973518	116.9382	.2666404	.0509596
#1	.0117689	-.001496	.0801992	.0096626	.0023959	12.69082	.0782634
#2	.0097046	-.003306	.0812157	.0095961	.0000183	12.70540	.0782696
#3	.0106573	-.000724	.0816266	.0103051	.0007199	12.75547	.0781977

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011561**	**.0021064**	**121.9894**	**.0356649**	**.0183663**	**.0451037**	**46.86529**
Stddev	.0001094	.0000378	.3698	.0002511	.0005664	.0007349	.19672
%RSD	9.464852	1.794064	.3031728	.7040639	3.083885	1.629269	.4197593
#1	.0012477	.0021269	121.5840	.0358984	.0177473	.0458395	46.66622
#2	.0011857	.0020628	122.0759	.0356969	.0184928	.0451016	46.87009
#3	.0010349	.0021294	122.3084	.0353993	.0188587	.0443698	47.05957

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.689710**	**14.07595**	**.0473095**	**-.004537**	**.2298586**	**.0299189**	**.1762170**
Stddev	.007476	.07859	.0002040	.000343	.2832744	.0005715	.0008587
%RSD	.4424712	.5583026	.4312418	7.555342	123.2386	1.910321	.4873071
#1	1.681632	13.98790	.0470781	-.004168	-.035335	.0305777	.1771008
#2	1.691112	14.10098	.0474632	-.004845	.196628	.0295556	.1753858
#3	1.696387	14.13897	.0473874	-.004600	.528283	.0296235	.1761643

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.452587**	**1.235809**	**.2030579**	**.0003312**	**.2323070**	**4.120428**	**.0043301**
Stddev	.036922	.002380	.0020227	.0004169	.0039353	.012557	.0001745
%RSD	1.505415	.1925914	.9960964	125.8654	1.694029	.3047581	4.028707
#1	2.421483	1.233423	.2012161	.0000408	.2329705	4.105930	.0042678
#2	2.493390	1.238183	.2027349	.0008089	.2280822	4.127899	.0041954
#3	2.442889	1.235823	.2052226	.0001439	.2358685	4.127455	.0045272

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-09LX5 Acquired: 1/12/2025 15:05:00 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNJ0L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2948347	.0285363	.0780869
Stddev	.0011950	.0002976	.0005545
%RSD	.4052983	1.042991	.7100600
#1	.2938827	.0282452	.0777148
#2	.2961757	.0285239	.0778218
#3	.2944457	.0288400	.0787242

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2647.363	64275.56	8615.965	3003.858	3419.449
Stddev	1.975	94.37	30.968	9.289	5.156
%RSD	.0746121	.1468266	.3594209	.3092388	.1507813
#1	2648.568	64199.66	8582.833	2993.566	3416.495
#2	2645.083	64245.78	8620.879	3006.389	3416.449
#3	2648.438	64381.22	8644.181	3011.619	3425.402

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-11 Acquired: 1/12/2025 15:09:02 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNJ0S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1074384	.0824037	.4432440	.1636308	.1463596	65.88909
Stddev	.0038571	.0010606	.0016273	.0007440	.0030271	.39742
%RSD	3.590097	1.287131	.3671373	.4546633	2.068260	.6031626
#1	.1115163	.0813694	.4424661	.1638715	.1459669	66.22740
#2	.1069506	.0823529	.4421516	.1627962	.1495639	65.45142
#3	.1038484	.0834889	.4451142	.1642245	.1435480	65.98845

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.323137	.0822174	.1037800	580.7477	.4741699	1.011302
Stddev	.015315	.0004531	.0003754	3.0866	.0012245	.000162
%RSD	.4608705	.5511511	.3617715	.5314809	.2582307	.0159736
#1	3.339211	.0818521	.1033644	581.5288	.4755835	1.011391
#2	3.308714	.0827245	.1040947	577.3457	.4734419	1.011115
#3	3.321487	.0820755	.1038809	583.3687	.4734842	1.011399

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5621197	220.7271	8.696659	66.97142	1.151206	.0389094
Stddev	.0011284	1.3393	.041279	.38595	.000714	.0002592
%RSD	.2007352	.6067789	.4746567	.5762957	.0620360	.6662691
#1	.5617200	221.9755	8.740405	67.33814	1.151088	.0390221
#2	.5633935	219.3124	8.658394	66.56875	1.150559	.0386129
#3	.5612455	220.8936	8.691179	67.00738	1.151973	.0390932

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9786867	.8946458	1.658053	12.70155	6.681482	.9795618
Stddev	.1706436	.0042784	.003097	.11103	.013203	.0065668
%RSD	17.43597	.4782185	.1867831	.8741745	.1976106	.6703782
#1	1.161595	.8904506	1.657043	12.78080	6.690470	.9862024
#2	.950696	.8944842	1.655588	12.57465	6.666323	.9730714
#3	.823769	.8990027	1.661529	12.74922	6.687654	.9794116

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-11 Acquired: 1/12/2025 15:09:02 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNJ0S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010774	1.277560	F 18.36330	.0414329	1.282668	.1567541
Stddev	.0003522	.011198	.07397	.0007750	.001331	.0016197
%RSD	32.69134	.8765405	.4028378	1.870505	.1037836	1.033276
#1	.0013314	1.270606	18.30652	.0416756	1.283784	.1582754
#2	.0012255	1.271594	18.44695	.0420576	1.281195	.1550513
#3	.0006753	1.290478	18.33643	.0405656	1.283025	.1569356

Elem	Sr4077
Units	ppm
Avg	.3747869
Stddev	.0024436
%RSD	.6519940
#1	.3769001
#2	.3721111
#3	.3753495

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2912.194	68452.82	10157.78	3239.946	3046.380
Stddev	9.863	268.45	26.99	9.482	6.012
%RSD	.3386788	.3921685	.2656847	.2926526	.1973341
#1	2900.963	68159.31	10176.96	3231.780	3039.639
#2	2916.176	68685.91	10126.92	3250.345	3051.184
#3	2919.444	68513.24	10169.45	3237.712	3048.318

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-12 Acquired: 1/12/2025 15:13:03 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNJ1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0465866	-.003383	.6523129	.0232476	.0153242	50.56242
Stddev	.0016858	.002074	.0018005	.0030468	.0020101	.03806
%RSD	3.618597	61.32071	.2760185	13.10573	13.11736	.0752824
#1	.0472839	-.004043	.6543911	.0238255	.0132440	50.54158
#2	.0446640	-.001059	.6512223	.0199532	.0154723	50.53933
#3	.0478118	-.005047	.6513253	.0259640	.0172561	50.60636

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4953516	.0039968	.0089073	358.2941	.1277239	.0668638
Stddev	.0020553	.0000441	.0000698	2.9741	.0002260	.0002883
%RSD	.4149136	1.103559	.7840749	.8300655	.1769857	.4312482
#1	.4956379	.0039592	.0089826	361.5859	.1279441	.0671949
#2	.4931682	.0040454	.0088447	357.4959	.1274924	.0666680
#3	.4972487	.0039858	.0088946	355.8006	.1277351	.0667284

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2620644	151.3012	5.959275	49.48922	.1739334	-.012208
Stddev	.0019189	.1133	.013770	.09033	.0003644	.000095
%RSD	.7322149	.0748973	.2310657	.1825290	.2094803	.7767133
#1	.2642431	151.1751	5.954011	49.40662	.1741158	-.012257
#2	.2613245	151.3946	5.948914	49.58568	.1741706	-.012269
#3	.2606257	151.3339	5.974901	49.47536	.1735139	-.012099

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9399519	.1104947	.9385643	8.789433	5.514665	.6738983
Stddev	.1362112	.0012359	.0030102	.030754	.031775	.0022353
%RSD	14.49130	1.118517	.3207271	.3498982	.5761985	.3316932
#1	.8838313	.1091415	.9399113	8.813137	5.551071	.6714750
#2	1.095257	.1107789	.9406658	8.800481	5.492508	.6758794
#3	.840767	.1115638	.9351158	8.754681	5.500415	.6743405

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-12 Acquired: 1/12/2025 15:13:03 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNJ1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022419	1.423773	F 20.64027	.1046392	1.035388	.1070603
Stddev	.0001306	.008595	.05321	.0009536	.001945	.0005087
%RSD	5.823249	.6037126	.2578082	.9112959	.1878789	.4751106
#1	.0022734	1.433098	20.65135	.1054887	1.036229	.1069923
#2	.0023538	1.416167	20.58240	.1036078	1.033164	.1065890
#3	.0020985	1.422053	20.68708	.1048212	1.036772	.1075995

Elem	Sr4077
Units	ppm
Avg	.2563479
Stddev	.0001144
%RSD	.0446125
#1	.2562491
#2	.2564732
#3	.2563214

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2872.676	67577.01	9787.328	3190.516	3209.819
Stddev	7.226	216.50	33.625	10.435	9.846
%RSD	.2515465	.3203714	.3435593	.3270765	.3067424
#1	2864.915	67750.87	9800.420	3182.039	3198.630
#2	2873.902	67334.51	9749.126	3187.338	3213.670
#3	2879.211	67645.65	9812.438	3202.171	3217.158

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-13 Acquired: 1/12/2025 15:17:10 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNJ2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0527499**	**-.002339**	**1.062296**	**.0231913**	**.0325435**	**50.06218**
Stddev	.0019004	.001934	.002953	.0030747	.0014329	.24342
%RSD	3.602682	82.67138	.2779988	13.25814	4.403044	.4862323
#1	.0528671	-.000754	1.064768	.0257097	.0315029	50.29243
#2	.0545891	-.004493	1.059026	.0197648	.0341778	49.80745
#3	.0507937	-.001769	1.063096	.0240993	.0319498	50.08667

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5968276**	**.0038562**	**.0098146**	**328.0562**	**.1467998**	**.0687695**
Stddev	.0025492	.0000487	.0001408	.6782	.0004230	.0002998
%RSD	.4271238	1.262388	1.435034	.2067291	.2881156	.4359519
#1	.5975246	.0039105	.0099768	327.9091	.1464998	.0689413
#2	.5940024	.0038418	.0097435	327.4637	.1466160	.0689439
#3	.5989558	.0038164	.0097235	328.7959	.1472836	.0684233

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3337580**	**144.5301**	**5.765314**	**52.91933**	**.1999160**	**-.010402**
Stddev	.0027642	.7452	.017393	.34100	.0007124	.000377
%RSD	.8281938	.5155945	.3016798	.6443685	.3563287	3.621608
#1	.3335687	145.0326	5.774872	53.16286	.1991408	-.010206
#2	.3366119	143.6739	5.745238	52.52961	.2005418	-.010836
#3	.3310934	144.8838	5.775832	53.06553	.2000653	-.010163

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8554691**	**.1207308**	**1.294759**	**9.049030**	**4.925813**	**.6493830**
Stddev	.1208940	.0013300	.001426	.005433	.018342	.0034533
%RSD	14.13190	1.101588	.1101500	.0600434	.3723606	.5317773
#1	.9950107	.1194565	1.293140	9.055272	4.933056	.6514680
#2	.7890826	.1206256	1.295307	9.045365	4.939426	.6453969
#3	.7823139	.1221102	1.295829	9.046452	4.904955	.6512842

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-13 Acquired: 1/12/2025 15:17:10 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNJ2 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040072	1.257485	F 20.80384	.1001090	.9249731	.1216891
Stddev	.0003003	.006142	.09368	.0008537	.0034309	.0012516
%RSD	7.493523	.4884006	.4502805	.8527845	.3709168	1.028521
#1	.0037386	1.264482	20.71609	.1001426	.9216285	.1225617
#2	.0039516	1.254985	20.90249	.0992390	.9284841	.1222504
#3	.0043314	1.252987	20.79295	.1009455	.9248067	.1202551

Elem	Sr4077
Units	ppm
Avg	.2309328
Stddev	.0012232
%RSD	.5296986
#1	.2318860
#2	.2295535
#3	.2313589

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2863.080	65627.14	9678.827	3122.565	3265.979
Stddev	4.734	82.20	65.208	7.507	5.123
%RSD	.1653340	.1252583	.6737191	.2404137	.1568642
#1	2857.709	65614.63	9736.855	3130.351	3260.946
#2	2864.888	65714.88	9608.260	3121.970	3265.804
#3	2866.643	65551.91	9691.366	3115.372	3271.188

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-14 Acquired: 1/12/2025 15:21:15 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1549279**	**-.006236**	**.9166202**	**.0257216**	**-.001820**	**50.85926**
Stddev	.0013932	.001361	.0018596	.0027800	.001284	.14333
%RSD	.8992621	21.82415	.2028749	10.80795	70.51965	.2818220
#1	.1555509	-.007709	.9156293	.0254422	-.002278	50.99871
#2	.1533319	-.005025	.9154659	.0286307	-.000371	50.86674
#3	.1559009	-.005973	.9187654	.0230919	-.002813	50.71234

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6521180**	**.0044007**	**.0062794**	F **950.4281**	**.0898617**	**.0781541**
Stddev	.0016982	.0000056	.0000686	6.5687	.0005156	.0006943
%RSD	.2604050	.1274722	1.091831	.6911297	.5737098	.8883654
#1	.6523774	.0044053	.0063291	953.6612	.0893861	.0788826
#2	.6503050	.0044025	.0062012	942.8695	.0897895	.0775000
#3	.6536714	.0043945	.0063079	954.7536	.0904096	.0780795

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2069581**	**170.9577**	**6.006243**	**114.9693**	**.1724567**	**-.015025**
Stddev	.0024396	.2793	.015508	.1355	.0015435	.000110
%RSD	1.178801	.1633678	.2581964	.1178322	.8949893	.7343386
#1	.2052067	171.2727	6.010311	115.0475	.1707584	-.015087
#2	.2097446	170.8602	5.989107	114.8129	.1728378	-.015091
#3	.2059230	170.7403	6.019312	115.0476	.1737739	-.014898

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.108813**	**.0997463**	**.9517076**	**11.90706**	**5.221444**	**.7843680**
Stddev	.091351	.0024114	.0023854	.05816	.009560	.0006132
%RSD	8.238604	2.417586	.2506440	.4884389	.1831008	.0781819
#1	1.214131	.1023930	.9539623	11.93943	5.214777	.7846087
#2	1.051055	.0976737	.9492100	11.83992	5.217159	.7836710
#3	1.061252	.0991723	.9519505	11.94184	5.232398	.7848244

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-14 Acquired: 1/12/2025 15:21:15 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047190	3.158533	F 22.68836	.0306761	.2733383	.1274993
Stddev	.0004238	.012102	.07491	.0004076	.0017140	.0005827
%RSD	8.981355	.3831451	.3301797	1.328712	.6270468	.4569941
#1	.0048390	3.153301	22.64213	.0302781	.2752572	.1281658
#2	.0042481	3.172371	22.64817	.0310927	.2727984	.1272457
#3	.0050698	3.149929	22.77479	.0306576	.2719592	.1270864

Elem	Sr4077
Units	ppm
Avg	.9827621
Stddev	.0036895
%RSD	.3754220
#1	.9865377
#2	.9825834
#3	.9791652

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2669.525	62434.65	9394.370	2976.776	2898.883
Stddev	5.895	148.82	18.982	13.863	2.457
%RSD	.2208428	.2383632	.2020536	.4657075	.0847565
#1	2665.916	62379.64	9402.855	2962.725	2898.173
#2	2676.328	62603.15	9407.628	2990.444	2901.617
#3	2666.331	62321.17	9372.626	2977.161	2896.859

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-15 Acquired: 1/12/2025 15:25:19 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1160225	-.004106	1.148196	.0297673	-.003773	62.15545
Stddev	.0017814	.000377	.002891	.0009963	.000941	.30079
%RSD	1.535355	9.170972	.2517538	3.346991	24.93127	.4839388
#1	.1176758	-.003699	1.150096	.0308263	-.002690	62.24007
#2	.1141361	-.004177	1.149622	.0296272	-.004386	62.40486
#3	.1162557	-.004442	1.144869	.0288485	-.004244	61.82140

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9121255	.0049698	.0080615	22.51490	.1205153	.0995931
Stddev	.0045696	.0000598	.0000203	.10737	.0003523	.0002921
%RSD	.5009833	1.203469	.2512582	.4768846	.2923456	.2932567
#1	.9097370	.0049130	.0080484	22.52031	.1202629	.0998314
#2	.9173944	.0050322	.0080513	22.61946	.1209178	.0992673
#3	.9092451	.0049642	.0080848	22.40493	.1203651	.0996806

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3372817	157.2912	8.489768	17.49968	.1744100	-.013175
Stddev	.0026859	.4674	.024350	.08753	.0004903	.000140
%RSD	.7963414	.2971658	.2868158	.5002087	.2811190	1.064909
#1	.3356270	157.3569	8.477162	17.52442	.1749720	-.013124
#2	.3358373	157.7222	8.517836	17.57218	.1741887	-.013067
#3	.3403807	156.7944	8.474305	17.40244	.1740694	-.013333

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4958240	.1602584	.9179607	4.798209	9.052303	.6508179
Stddev	.0921772	.0013006	.0016400	.047575	.012699	.0034181
%RSD	18.59071	.8115910	.1786543	.9915092	.1402825	.5251959
#1	.3918409	.1587740	.9166099	4.767195	9.062171	.6510413
#2	.5674948	.1611985	.9197854	4.852984	9.037976	.6541187
#3	.5281363	.1608027	.9174867	4.774448	9.056761	.6472936

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-15 Acquired: 1/12/2025 15:25:19 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044188	1.154746	F 18.43492	.0496312	.8966112	.0672580
Stddev	.0001194	.009655	.07152	.0009036	.0013908	.0008849
%RSD	2.702854	.8361492	.3879518	1.820539	.1551206	1.315624
#1	.0042811	1.165879	18.42996	.0495733	.8966847	.0662978
#2	.0044821	1.149689	18.36600	.0505623	.8951851	.0680406
#3	.0044933	1.148669	18.50878	.0487580	.8979639	.0674357

Elem	Sr4077
Units	ppm
Avg	.1123288
Stddev	.0007840
%RSD	.6979577
#1	.1124894
#2	.1130201
#3	.1114770

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3385.074	78924.72	11006.55	3744.095	3512.091
Stddev	2.450	231.05	32.98	10.418	2.077
%RSD	.0723886	.2927457	.2996090	.2782629	.0591477
#1	3385.562	78750.92	10977.12	3732.874	3510.216
#2	3387.243	78836.33	11042.19	3745.950	3514.324
#3	3382.416	79186.92	11000.35	3753.461	3511.733

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-01 Acquired: 1/12/2025 15:29:15 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMR4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1185898**	**-.002383**	**12.14006**	**.0199657**	**.0008428**	**47.95079**
Stddev	.0015873	.000663	.01576	.0033169	.0013927	.33274
%RSD	1.338508	27.82506	.1297901	16.61278	165.2389	.6939151
#1	.1168145	-.001698	12.12679	.0161482	.0024450	47.65423
#2	.1198723	-.003022	12.15747	.0221419	.0001609	48.31062
#3	.1190825	-.002429	12.13591	.0216069	-.000078	47.88753

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.084827**	**.0050975**	**.0074488**	**44.67939**	**.1750620**	**.0644783**
Stddev	.010401	.0000696	.0000669	.29253	.0006577	.0003102
%RSD	.9587879	1.366021	.8977164	.6547370	.3756927	.4811641
#1	1.076022	.0050258	.0074831	44.44152	.1743111	.0641206
#2	1.096303	.0051648	.0074915	45.00603	.1753390	.0646392
#3	1.082157	.0051019	.0073717	44.59064	.1755359	.0646750

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3591218**	**96.39623**	**7.077317**	**16.29021**	**.1508059**	**-.006248**
Stddev	.0036727	.66185	.050805	.06192	.0007251	.000547
%RSD	1.022695	.6865904	.7178636	.3800843	.4807899	8.754891
#1	.3626102	95.85290	7.046527	16.22038	.1501806	-.006111
#2	.3594663	97.13333	7.135958	16.33844	.1516007	-.005782
#3	.3552890	96.20246	7.049467	16.31179	.1506366	-.006850

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4473496**	**.1805883**	**1.167908**	**5.945324**	**8.956596**	**.4136246**
Stddev	.1551345	.0004844	.000827	.039885	.020655	.0043602
%RSD	34.67858	.2682409	.0708296	.6708643	.2306167	1.054138
#1	.6264818	.1803702	1.168771	5.899292	8.936815	.4093265
#2	.3584633	.1811434	1.167830	5.969612	8.978027	.4180443
#3	.3571037	.1802513	1.167122	5.967067	8.954947	.4135028

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-01 Acquired: 1/12/2025 15:29:15 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMR4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0078119	2.836817	F 17.12906	.0603482	.7687959	.0829215
Stddev	.0000873	.010015	.08522	.0009750	.0014635	.0004863
%RSD	1.117757	.3530276	.4974950	1.615625	.1903564	.5864441
#1	.0078010	2.825707	17.19778	.0610217	.7704206	.0834420
#2	.0079041	2.845150	17.15571	.0607928	.7683861	.0828437
#3	.0077304	2.839595	17.03371	.0592302	.7675811	.0824788

Elem	Sr4077
Units	ppm
Avg	.2151622
Stddev	.0016693
%RSD	.7758157
#1	.2136190
#2	.2169340
#3	.2149335

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3001.852	71638.63	9750.677	3320.405	3584.775
Stddev	3.642	69.14	69.603	11.137	6.593
%RSD	.1213418	.0965085	.7138316	.3354092	.1839051
#1	3000.070	71710.91	9680.484	3309.354	3585.427
#2	2999.444	71631.83	9819.675	3331.626	3577.881
#3	3006.043	71573.14	9751.871	3320.234	3591.018

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV009 Acquired: 1/12/2025 15:55:43 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV009 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.632811**	**4.593922**	**23.38551**	**4.697201**	**4.594311**	**366.2837**
Stddev	.018701	.053572	.07944	.006097	.012188	2.8437
%RSD	.4036685	1.166144	.3396998	.1297992	.2652747	.7763605
#1	4.636630	4.532211	23.32437	4.703903	4.590210	367.0941
#2	4.612495	4.621071	23.35684	4.691984	4.584703	363.1228
#3	4.649308	4.628485	23.47530	4.695716	4.608020	368.6343

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.455639**	**.5153414**	**2.484786**	**370.6671**	**14.82920**	**2.364154**
Stddev	.084928	.0017161	.010714	3.1328	.03685	.005088
%RSD	.8981731	.3330031	.4311813	.8451752	.2485135	.2151943
#1	9.524147	.5146308	2.475143	368.0147	14.85866	2.360125
#2	9.360617	.5172986	2.482894	369.8630	14.78788	2.362467
#3	9.482153	.5140947	2.496319	374.1235	14.84106	2.369871

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.25236**	**372.2142**	**14.15027**	**234.8219**	**2.360880**	**1.181422**
Stddev	.00755	1.4752	.05938	1.1604	.005987	.002186
%RSD	.0529944	.3963176	.4196587	.4941475	.2535987	.1850216
#1	14.24406	373.1417	14.19143	235.3221	2.357045	1.183865
#2	14.25883	370.5132	14.08219	233.4953	2.357817	1.179653
#3	14.25419	372.9878	14.17717	235.6483	2.367779	1.180747

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**377.1642**	**2.341762**	**14.88440**	**137.4997**	**4.743915**	F **5.711410**
Stddev	.5692	.005482	.07947	.6230	.018014	.009884
%RSD	.1509223	.2341041	.5338926	.4530671	.3797352	.1730601
#1	377.4750	2.344242	14.93295	137.8089	4.725870	5.708132
#2	377.5105	2.345565	14.92756	136.7827	4.743977	5.722517
#3	376.5073	2.335478	14.79269	137.9076	4.761899	5.703582

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV009 Acquired: 1/12/2025 15:55:43 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV009 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **4.453440**	**4.724834**	**4.731224**	**4.663421**	**4.692048**	F **4.333843**
Stddev	.010597	.028824	.019972	.019786	.006503	.019309
%RSD	.2379438	.6100503	.4221387	.4242902	.1385949	.4455331
#1	4.454233	4.691575	4.732758	4.643509	4.687814	4.342961
#2	4.442470	4.742559	4.750385	4.663673	4.699536	4.311664
#3	4.463619	4.740368	4.710529	4.683079	4.688796	4.346904

Elem	Sr4077
Units	ppm
Avg	**4.653388**
Stddev	.042634
%RSD	.9161888
#1	4.626840
#2	4.630758
#3	4.702565

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2090.154**	**52037.15**	**7837.051**	**2472.833**	**2801.998**
Stddev	4.280	174.11	14.352	7.851	3.752
%RSD	.2047552	.3345922	.1831295	.3174936	.1338928
#1	2086.036	51898.02	7837.582	2464.010	2806.171
#2	2094.579	52232.40	7822.441	2475.443	2800.916
#3	2089.847	51981.02	7851.130	2479.047	2798.906

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB009 Acquired: 1/12/2025 16:00:02 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB009 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013468**	**.0003017**	**.0010308**	**.0012366**	**-.000963**	**.0052912**	**-.003150**
Stddev	.0012821	.0008457	.0003989	.0014146	.001170	.0071791	.000150
%RSD	95.20074	280.2713	38.70300	114.3962	121.5252	135.6780	4.764862
#1	.0007281	.0011148	.0010468	-.000269	-.000347	-.002400	-.003197
#2	.0028209	-.000573	.0006241	.002538	-.002312	.011815	-.003271
#3	.0004913	.000364	.0014214	.001440	-.000229	.006459	-.002982

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000057**	**.0001247**	**.0316042**	**.0005417**	**-.000051**	**.0001823**	**.0290629**
Stddev	.000041	.0000347	.0061943	.0004626	.000153	.0014008	.0067537
%RSD	72.90236	27.84123	19.59969	85.39913	302.9756	768.5141	23.23834
#1	-.000013	.0000848	.0346348	.0009229	-.000154	-.000701	.0242871
#2	-.000096	.0001414	.0356998	.0006752	-.000123	-.000549	.0367900
#3	-.000061	.0001478	.0244781	.0000270	.000126	.001797	.0261116

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008731**	**.0131776**	**-.000586**	**.0006442**	**-.010877**	**-.001686**	**.0009441**
Stddev	.0001194	.0083419	.000151	.0001974	.270195	.000689	.0001904
%RSD	13.67742	63.30376	25.69336	30.63716	2483.988	40.84625	20.16625
#1	.0007389	.0103506	-.000760	.0007436	.279343	-.002413	.0008385
#2	.0009677	.0066165	-.000486	.0007722	-.056819	-.001044	.0011639
#3	.0009126	.0225656	-.000514	.0004169	-.255157	-.001600	.0008300

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8044143**	**-.000952**	**.0057196**	**.0007131**	**-.000868**	**.0008306**	**-.000337**
Stddev	.0850546	.000801	.0005771	.0002617	.001029	.0067396	.000262
%RSD	10.57348	84.16806	10.09040	36.70261	118.5025	811.4423	77.61374
#1	.7464152	-.001854	.0063860	.0005518	-.001517	.0076145	-.000623
#2	.7647746	-.000324	.0053834	.0010152	-.001406	.0007410	-.000278
#3	.9020532	-.000677	.0053893	.0005726	.000318	-.005864	-.000110

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB009 Acquired: 1/12/2025 16:00:02 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB009 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000037	.0009411	.0001942
Stddev	.000827	.0003309	.0000374
%RSD	2235.170	35.16010	19.22895
#1	-.000765	.0009412	.0001706
#2	.000863	.0006101	.0001749
#3	-.000209	.0012719	.0002373

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2661.341	60898.03	8223.304	2924.170	3794.123
Stddev	12.367	141.42	38.594	6.007	25.631
%RSD	.4647075	.2322185	.4693238	.2054146	.6755427
#1	2647.525	60928.06	8193.703	2923.055	3764.590
#2	2665.123	61022.03	8209.255	2930.656	3810.553
#3	2671.377	60744.01	8266.955	2918.798	3807.228

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-20 Acquired: 1/12/2025 16:03:57 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0254815**	**-.001710**	**.3754417**	**.0117858**	**.0036569**	**21.93634**
Stddev	.0021839	.000977	.0011118	.0043072	.0004431	.05254
%RSD	8.570453	57.14283	.2961300	36.54611	12.11788	.2395011
#1	.0275183	-.000870	.3741666	.0112458	.0040312	21.99699
#2	.0231755	-.002782	.3762082	.0077740	.0031676	21.90703
#3	.0257506	-.001477	.3759504	.0163375	.0037720	21.90499

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4289097**	**.0015453**	**.0030294**	**187.7883**	**.0559762**	**.0365128**
Stddev	.0017810	.0000239	.0000759	.4704	.0002056	.0004183
%RSD	.4152445	1.544245	2.505889	.2505189	.3672106	1.145663
#1	.4304713	.0015687	.0029470	188.2905	.0562132	.0360541
#2	.4269700	.0015462	.0030446	187.3579	.0558693	.0368733
#3	.4292879	.0015210	.0030966	187.7164	.0558463	.0366110

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1187068**	**73.76412**	**3.705017**	**25.46677**	**.0556181**	**-.006368**
Stddev	.0003783	.12547	.012745	.01944	.0004601	.000137
%RSD	.3187092	.1700963	.3439967	.0763329	.8272505	2.149562
#1	.1182983	73.90181	3.719094	25.47644	.0552780	-.006211
#2	.1187767	73.65624	3.694263	25.47949	.0561417	-.006464
#3	.1190452	73.73431	3.701693	25.44440	.0554348	-.006429

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5839104**	**.0493087**	**.5980483**	**2.226363**	**3.796126**	**.3149984**
Stddev	.1137177	.0023981	.0023011	.008468	.005721	.0008357
%RSD	19.47519	4.863384	.3847619	.3803659	.1507125	.2653168
#1	.6568766	.0513403	.6001418	2.223053	3.789523	.3159578
#2	.6419719	.0499224	.5955846	2.235986	3.799253	.3144283
#3	.4528828	.0466634	.5984187	2.220050	3.799603	.3146092

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-20 Acquired: 1/12/2025 16:03:57 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0041760	.6428232	F 14.91463	.0152325	.5074000	.0376652
Stddev	.0001959	.0061610	.03075	.0000595	.0009600	.0017283
%RSD	4.691983	.9584201	.2062038	.3907949	.1892059	4.588572
#1	.0041408	.6357133	14.91461	.0152353	.5081322	.0378200
#2	.0040000	.6465905	14.88389	.0152906	.5063131	.0358647
#3	.0043871	.6461657	14.94540	.0151716	.5077548	.0393109

Elem	Sr4077
Units	ppm
Avg	.2423628
Stddev	.0004745
%RSD	.1957810
#1	.2429098
#2	.2420612
#3	.2421176

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2762.864	64298.47	9142.913	3070.961	3406.038
Stddev	3.097	137.76	6.537	20.409	9.671
%RSD	.1120815	.2142510	.0714984	.6645650	.2839275
#1	2761.417	64170.02	9150.449	3053.509	3416.699
#2	2766.419	64443.96	9138.770	3093.401	3403.583
#3	2760.755	64281.42	9139.521	3065.971	3397.831

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-21 Acquired: 1/12/2025 16:07:57 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL7D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0258901**	**-.002159**	**.3763475**	**.0119495**	**.0027028**	**21.94048**
Stddev	.0010027	.001809	.0016660	.0009571	.0015399	.10684
%RSD	3.872864	83.75599	.4426811	8.009336	56.97303	.4869338
#1	.0261445	-.001356	.3763148	.0122327	.0036902	21.98890
#2	.0267412	-.004230	.3746981	.0127330	.0009285	21.81801
#3	.0247848	-.000891	.3780296	.0108828	.0034897	22.01453

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4288464**	**.0014620**	**.0029915**	**187.8920**	**.0554096**	**.0367930**
Stddev	.0020189	.0000122	.0000856	1.0207	.0004987	.0001174
%RSD	.4707871	.8348548	2.861504	.5432214	.8999920	.3190498
#1	.4307840	.0014479	.0029684	188.2733	.0556869	.0368958
#2	.4267549	.0014685	.0030862	186.7356	.0548339	.0366651
#3	.4290002	.0014696	.0029198	188.6671	.0557079	.0368181

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1155815**	**73.70980**	**3.695552**	**25.27252**	**.0559511**	**-.006340**
Stddev	.0008150	.45493	.022976	.14369	.0001289	.000129
%RSD	.7050965	.6171916	.6217239	.5685565	.2304407	2.034359
#1	.1164832	73.80855	3.707133	25.28791	.0560975	-.006254
#2	.1148975	73.21361	3.669090	25.12176	.0559013	-.006278
#3	.1153638	74.10725	3.710433	25.40790	.0558545	-.006489

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6740195**	**.0493426**	**.5997250**	**2.226224**	**3.867910**	**.3144627**
Stddev	.2083992	.0006243	.0015679	.014932	.013597	.0025782
%RSD	30.91886	1.265192	.2614378	.6707266	.3515429	.8198744
#1	.7917943	.0487587	.5986566	2.222149	3.866183	.3148348
#2	.4333987	.0492684	.5989933	2.242770	3.855259	.3117187
#3	.7968656	.0500006	.6015249	2.213753	3.882289	.3168347

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-21 Acquired: 1/12/2025 16:07:57 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL7D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038335	.6525303	F 14.69676	.0148035	.5047409	.0360993
Stddev	.0001223	.0034994	.03152	.0002866	.0015251	.0007853
%RSD	3.189586	.5362746	.2144599	1.935818	.3021491	2.175355
#1	.0038006	.6555192	14.67245	.0147347	.5063851	.0352674
#2	.0039689	.6486810	14.68546	.0151182	.5033726	.0362030
#3	.0037311	.6533908	14.73237	.0145576	.5044651	.0368277

Elem	Sr4077
Units	ppm
Avg	.2465522
Stddev	.0015940
%RSD	.6465306
#1	.2470972
#2	.2447572
#3	.2478024

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2711.736	63844.00	9181.223	3049.341	3331.117
Stddev	6.330	234.78	17.499	3.622	11.355
%RSD	.2334131	.3677465	.1905952	.1187640	.3408799
#1	2714.354	63781.12	9201.347	3046.097	3332.090
#2	2716.336	64103.82	9169.591	3053.248	3341.954
#3	2704.517	63647.05	9172.729	3048.678	3319.307

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-20LX5 Acquired: 1/12/2025 16:11:56 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL7L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022141	.0011476	.0748560	.0025107	.0013518	4.423863	.0846984
Stddev	.0008299	.0005566	.0010043	.0009335	.0014146	.012866	.0005266
%RSD	37.48280	48.50454	1.341594	37.18024	104.6458	.2908251	.6217058
#1	.0012616	.0010391	.0747355	.0035227	.0026332	4.410083	.0841704
#2	.0025995	.0006532	.0739174	.0023263	.0015883	4.435560	.0852236
#3	.0027812	.0017504	.0759150	.0016833	-.000166	4.425947	.0847013

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003654	.0005218	38.50293	.0114340	.0074238	.0254195	15.47981
Stddev	.0000684	.0000145	.07580	.0003132	.0000812	.0011518	.03029
%RSD	18.70487	2.772402	.1968715	2.739300	1.094484	4.531263	.1956464
#1	.0003559	.0005166	38.55674	.0117600	.0073538	.0256277	15.47857
#2	.0004381	.0005381	38.53580	.0111354	.0075129	.0241778	15.51070
#3	.0003024	.0005106	38.41624	.0114067	.0074047	.0264530	15.45017

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7810242	5.247055	.0109671	-.001377	-.046277	.0079224	.1235218
Stddev	.0019575	.008754	.0005102	.000087	.286337	.0018776	.0008755
%RSD	.2506324	.1668307	4.651871	6.343494	618.7432	23.70018	.7087860
#1	.7821908	5.256904	.0114463	-.001465	.274974	.0064741	.1225329
#2	.7821176	5.240164	.0110243	-.001290	-.139177	.0072492	.1241979
#3	.7787643	5.244096	.0104308	-.001377	-.274629	.0100438	.1238348

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4337535	.7428086	.0659081	.0008837	.1202370	3.119604	.0008248
Stddev	.0255484	.0026851	.0010884	.0005054	.0064725	.033657	.0005836
%RSD	5.890072	.3614840	1.651340	57.19834	5.383117	1.078895	70.75006
#1	.4257042	.7458510	.0659245	.0014401	.1184577	3.158468	.0005086
#2	.4623572	.7418052	.0669882	.0004530	.1148402	3.100047	.0014983
#3	.4131992	.7407697	.0648117	.0007578	.1274130	3.100297	.0004676

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-20LX5 Acquired: 1/12/2025 16:11:56 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL7L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1076782	.0066227	.0496173
Stddev	.0016755	.0015730	.0002519
%RSD	1.556011	23.75237	.5076784
#1	.1095244	.0079495	.0493835
#2	.1062542	.0070336	.0498841
#3	.1072559	.0048850	.0495844

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2634.186	61185.86	8408.256	2922.622	3565.381
Stddev	9.402	56.26	39.260	5.457	12.235
%RSD	.3569258	.0919570	.4669188	.1867238	.3431516
#1	2629.343	61121.00	8380.517	2928.914	3558.109
#2	2645.022	61215.13	8453.178	2919.187	3579.507
#3	2628.192	61221.46	8391.074	2919.764	3558.528

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-22 Acquired: 1/12/2025 16:16:01 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL7S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0802858**	**.0921979**	**.4017546**	**.1545938**	**.1484488**	**23.99792**
Stddev	.0014563	.0003799	.0028199	.0022422	.0013483	.19687
%RSD	1.813939	.4120492	.7019049	1.450379	.9082834	.8203805
#1	.0798386	.0922735	.4027416	.1565432	.1495902	23.77746
#2	.0791054	.0917859	.3985738	.1550947	.1487951	24.06013
#3	.0819132	.0925343	.4039484	.1521435	.1469611	24.15618

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.576914**	**.0918844**	**.0933105**	**181.0512**	**.4231859**	**.9392409**
Stddev	.022160	.0002947	.0004569	1.2794	.0013192	.0020613
%RSD	.6195203	.3207602	.4896609	.7066619	.3117197	.2194632
#1	3.552066	.0921598	.0936538	179.6331	.4218186	.9416206
#2	3.584048	.0919198	.0927919	181.4017	.4232880	.9380139
#3	3.594628	.0915735	.0934858	182.1189	.4244510	.9380880

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5251673**	**72.30362**	**4.393828**	**24.38165**	**.9616530**	**.0588311**
Stddev	.0044238	.48246	.026475	.16420	.0018774	.0007702
%RSD	.8423635	.6672712	.6025501	.6734553	.1952235	1.309226
#1	.5300685	71.78982	4.363293	24.19321	.9635273	.0579924
#2	.5239629	72.37403	4.410374	24.45765	.9597726	.0595067
#3	.5214704	72.74701	4.407816	24.49407	.9616591	.0589943

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6373493**	**.9296277**	**1.540231**	**2.069999**	**3.736340**	**.3064703**
Stddev	.1638768	.0019240	.004427	.014604	.013130	.0022736
%RSD	25.71224	.2069626	.2873936	.7055066	.3514004	.7418792
#1	.6438945	.9287738	1.535541	2.065569	3.749132	.3041607
#2	.7978555	.9282784	1.544336	2.058123	3.722897	.3065440
#3	.4702979	.9318308	1.540817	2.086305	3.736992	.3087062

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-22 Acquired: 1/12/2025 16:16:01 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL7S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038911	.6122537	F 14.80284	.0139374	.4998830	.0353827
Stddev	.0001769	.0054475	.05727	.0006111	.0005643	.0017917
%RSD	4.545139	.8897396	.3868637	4.384837	.1128914	5.063842
#1	.0040032	.6167975	14.86325	.0132646	.4992775	.0333315
#2	.0039828	.6137488	14.79592	.0140893	.5003943	.0366422
#3	.0036872	.6062148	14.74934	.0144582	.4999772	.0361743

Elem	Sr4077
Units	ppm
Avg	.2309993
Stddev	.0020954
%RSD	.9070965
#1	.2288075
#2	.2312075
#3	.2329828

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2736.362	64085.55	8913.017	3026.853	3401.783
Stddev	4.071	303.74	41.740	18.613	5.887
%RSD	.1487832	.4739543	.4683076	.6149130	.1730636
#1	2731.784	64423.24	8884.921	3042.506	3394.996
#2	2737.726	63834.68	8893.150	3006.273	3404.842
#3	2739.577	63998.72	8960.980	3031.781	3405.512

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-05 Acquired: 1/12/2025 16:19:54 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNF3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0818561**	**-.004396**	**1.807582**	**.0289668**	**-.002606**	**57.73905**
Stddev	.0012270	.000358	.002236	.0027617	.001201	.23978
%RSD	1.498955	8.151016	.1236986	9.534105	46.09578	.4152769
#1	.0817213	-.004598	1.805286	.0320202	-.003530	57.99808
#2	.0807021	-.003982	1.807708	.0282366	-.003040	57.69420
#3	.0831449	-.004608	1.809753	.0266435	-.001248	57.52486

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.551849**	**.0041613**	**.0090007**	**182.7044**	**.1558767**	**.1017816**
Stddev	.005309	.0001026	.0001362	.4865	.0001572	.0004968
%RSD	.3420850	2.466606	1.513462	.2662675	.1008765	.4880662
#1	1.557958	.0040444	.0088528	183.2164	.1558543	.1018314
#2	1.549232	.0042028	.0091210	182.6486	.1560440	.1022515
#3	1.548357	.0042366	.0090285	182.2483	.1557319	.1012618

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3561907**	**150.1944**	**10.00521**	**35.87402**	**.1583113**	**-.011380**
Stddev	.0017573	.5254	.02252	.06970	.0006710	.000333
%RSD	.4933602	.3498329	.2251124	.1942962	.4238362	2.929092
#1	.3554967	150.7172	10.03122	35.90077	.1583052	-.011218
#2	.3581890	150.1996	9.99241	35.92639	.1576434	-.011763
#3	.3548863	149.6664	9.99200	35.79491	.1589853	-.011158

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.111993**	**.1460790**	**1.250765**	**6.247486**	F **19.44138**	**.6524088**
Stddev	.057814	.0025006	.002294	.024980	.03735	.0018804
%RSD	5.199099	1.711819	.1833994	.3998370	.1921155	.2882183
#1	1.119197	.1432427	1.251747	6.271590	19.48419	.6545799
#2	1.165866	.1479658	1.252404	6.249153	19.41546	.6513043
#3	1.050915	.1470285	1.248143	6.221714	19.42449	.6513422

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-05 Acquired: 1/12/2025 16:19:54 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNF3 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0078117	3.107893	F 21.59670	.0961202	.7385319	.0878593
Stddev	.0001020	.004967	.09528	.0001813	.0020738	.0009174
%RSD	1.305848	.1598128	.4412002	.1886400	.2808047	1.044112
#1	.0077356	3.113394	21.56348	.0960042	.7366920	.0882924
#2	.0079276	3.103738	21.52247	.0960273	.7381246	.0884799
#3	.0077719	3.106547	21.70415	.0963292	.7407792	.0868056

Elem	Sr4077
Units	ppm
Avg	.3209731
Stddev	.0016792
%RSD	.5231527
#1	.3226703
#2	.3209365
#3	.3193125

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3384.041	78853.17	11383.17	3753.851	3303.975
Stddev	5.546	162.20	49.88	11.310	3.750
%RSD	.1638984	.2057004	.4382012	.3012967	.1134892
#1	3377.791	78855.49	11440.45	3744.719	3299.929
#2	3388.376	78689.82	11359.78	3750.331	3307.334
#3	3385.956	79014.20	11349.28	3766.502	3304.663

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-06 Acquired: 1/12/2025 16:23:49 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNF3D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0808217**	**-.005202**	**1.806230**	**.0290958**	**-.001940**	**57.95274**
Stddev	.0022543	.001377	.002475	.0029333	.001682	.17158
%RSD	2.789174	26.47321	.1370005	10.08158	86.73171	.2960662
#1	.0819906	-.006786	1.805421	.0323838	-.003783	57.93863
#2	.0822515	-.004288	1.804261	.0281559	-.000487	57.78865
#3	.0782231	-.004532	1.809007	.0267476	-.001549	58.13094

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.549583**	**.0042195**	**.0090586**	**182.9795**	**.1556782**	**.1013486**
Stddev	.005821	.0000728	.0000809	.5240	.0001968	.0003589
%RSD	.3756246	1.724518	.8934806	.2863943	.1263947	.3541234
#1	1.548207	.0042536	.0090801	182.9601	.1555523	.1016131
#2	1.544574	.0041360	.0089690	182.4655	.1555773	.1009400
#3	1.555968	.0042690	.0091266	183.5130	.1559049	.1014925

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3584895**	**150.8378**	**10.00989**	**36.01872**	**.1583336**	**-.011190**
Stddev	.0016939	.5162	.02304	.10507	.0004282	.000453
%RSD	.4725069	.3422310	.2302141	.2917171	.2704518	4.050586
#1	.3593503	150.7542	10.00439	35.94476	.1581458	-.010669
#2	.3595801	150.3685	9.99009	35.97241	.1580314	-.011402
#3	.3565381	151.3907	10.03518	36.13900	.1588237	-.011498

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.141305**	**.1461750**	**1.249911**	**6.248918**	F **19.35775**	**.6549409**
Stddev	.086608	.0020795	.003902	.030584	.03155	.0028640
%RSD	7.588500	1.422593	.3121892	.4894212	.1629970	.4372992
#1	1.204601	.1437808	1.249272	6.284117	19.32592	.6551337
#2	1.176710	.1475309	1.254093	6.233788	19.35831	.6519853
#3	1.042604	.1472132	1.246368	6.228848	19.38902	.6577037

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-06 Acquired: 1/12/2025 16:23:49 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNF3D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0081049**	**3.109684**	F **21.59626**	**.0960747**	**.7364048**	**.0876949**
Stddev	.0000826	.015072	.02060	.0004845	.0016547	.0005450
%RSD	1.019669	.4846761	.0953838	.5043421	.2246966	.6214301
#1	.0080304	3.106808	21.59880	.0965458	.7368960	.0882827
#2	.0081938	3.096258	21.57451	.0961006	.7345601	.0875956
#3	.0080906	3.125987	21.61548	.0955778	.7377582	.0872065

Elem	Sr4077
Units	ppm
Avg	**.3212656**
Stddev	.0011692
%RSD	.3639500
#1	.3212063
#2	.3201271
#3	.3224634

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3373.611**	**78687.20**	**11405.00**	**3755.041**	**3294.112**
Stddev	5.146	217.92	20.43	12.258	3.877
%RSD	.1525428	.2769476	.1791619	.3264304	.1176801
#1	3367.871	78516.41	11382.23	3763.195	3290.568
#2	3375.150	78932.63	11411.05	3740.945	3293.516
#3	3377.813	78612.55	11421.73	3760.984	3298.252

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-05LX5 Acquired: 1/12/2025 16:27:44 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNF3L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0190944**	**-.000567**	**.3595042**	**.0088084**	**-.000730**	**13.48776**	**.3517704**
Stddev	.0013319	.001253	.0011435	.0012351	.000743	.02495	.0006289
%RSD	6.975260	220.9174	.3180699	14.02181	101.6635	.1850160	.1787739
#1	.0178653	-.000498	.3582468	.0083515	-.000722	13.49687	.3518422
#2	.0189083	-.001854	.3597840	.0078668	-.001477	13.50688	.3511086
#3	.0205095	.000650	.3604819	.0102069	.000008	13.45953	.3523602

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010574**	**.0013599**	**43.50656**	**.0385661**	**.0194620**	**.0898590**	**36.66051**
Stddev	.0001447	.0000085	.05461	.0002760	.0002253	.0003427	.01389
%RSD	13.68532	.6218502	.1255148	.7156567	1.157681	.3813666	.0378932
#1	.0009549	.0013548	43.52207	.0388340	.0193629	.0902161	36.64697
#2	.0009945	.0013552	43.44587	.0382827	.0193033	.0895329	36.67473
#3	.0012230	.0013697	43.55173	.0385817	.0197199	.0898279	36.65983

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.389676**	**8.670146**	**.0309647**	**-.002925**	**.3690223**	**.0341750**	**.3071520**
Stddev	.002573	.021699	.0004159	.000181	.2303920	.0005122	.0016828
%RSD	.1076622	.2502728	1.343148	6.180181	62.43310	1.498762	.5478801
#1	2.386989	8.653041	.0305036	-.003106	.1643482	.0336116	.3071708
#2	2.389923	8.694554	.0310790	-.002923	.6185390	.0346126	.3088254
#3	2.392116	8.662842	.0313116	-.002745	.3241795	.0343006	.3054599

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.403096**	**3.771095**	**.1572311**	**.0018969**	**.5850747**	**5.369971**	**.0170630**
Stddev	.008868	.024955	.0001260	.0002358	.0046229	.013011	.0004966
%RSD	.6320146	.6617370	.0801140	12.43179	.7901351	.2422868	2.910568
#1	1.413275	3.742770	.1571764	.0019476	.5817817	5.366492	.0165266
#2	1.397044	3.780675	.1571416	.0021032	.5830829	5.359054	.0171558
#3	1.398969	3.789841	.1573751	.0016398	.5903597	5.384368	.0175068

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-05LX5 Acquired: 1/12/2025 16:27:44 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNF3L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1844503	.0185276	.0751946
Stddev	.0001680	.0007156	.0002312
%RSD	.0910882	3.862143	.3075242
#1	.1846391	.0193513	.0754451
#2	.1843175	.0180592	.0751495
#3	.1843941	.0181723	.0749893

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2795.210	65037.08	8896.532	3118.927	3579.061
Stddev	5.478	257.26	29.381	10.362	9.642
%RSD	.1959660	.3955615	.3302501	.3322321	.2693939
#1	2800.743	64942.88	8876.247	3115.071	3590.183
#2	2795.098	64840.20	8883.124	3111.047	3573.061
#3	2789.789	65328.17	8930.225	3130.665	3573.939

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-07 Acquired: 1/12/2025 16:31:44 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNF3S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1313224**	**.0854331**	**1.825248**	**.1442810**	**.1154617**	**60.19630**
Stddev	.0029837	.0024500	.005165	.0015396	.0005367	.10251
%RSD	2.272036	2.867770	.2829926	1.067074	.4648153	.1702856
#1	.1284799	.0835373	1.830869	.1426863	.1150952	60.08318
#2	.1310578	.0845624	1.820711	.1457588	.1160777	60.28304
#3	.1344296	.0881995	1.824162	.1443979	.1152122	60.22267

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.133229**	**.0736120**	**.0994516**	**183.1559**	**.4478004**	**1.011345**
Stddev	.025176	.0001417	.0002253	.3475	.0010599	.002329
%RSD	.6091005	.1924892	.2265471	.1897182	.2366994	.2302823
#1	4.160324	.0736461	.0996771	182.7606	.4477464	1.013400
#2	4.110559	.0734564	.0992265	183.4131	.4488862	1.008815
#3	4.128805	.0737336	.0994513	183.2940	.4467684	1.011818

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6825824**	**151.8546**	**10.65736**	**35.84448**	**1.067468**	**.0413858**
Stddev	.0036774	.2524	.03697	.03073	.003690	.0000319
%RSD	.5387436	.1662212	.3468505	.0857435	.3456653	.0770496
#1	.6856053	151.6129	10.61491	35.87199	1.069089	.0414225
#2	.6784884	152.1165	10.68245	35.85015	1.063245	.0413648
#3	.6836535	151.8343	10.67471	35.81131	1.070069	.0413701

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.049353**	**.8356987**	**1.987609**	**6.274480**	F **19.15909**	**.6617300**
Stddev	.144202	.0007241	.003074	.080648	.02541	.0020090
%RSD	13.74201	.0866445	.1546711	1.285341	.1326080	.3036040
#1	1.083860	.8362913	1.985943	6.187054	19.18834	.6597299
#2	1.173171	.8359131	1.985727	6.345972	19.14638	.6637479
#3	.891028	.8348916	1.991157	6.290415	19.14255	.6617123

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-07 Acquired: 1/12/2025 16:31:44 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNF3S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0076492**	**3.100905**	F **21.29075**	**.0944789**	**.7276700**	**.0882746**
Stddev	.0001880	.013573	.05359	.0011189	.0035719	.0002313
%RSD	2.457870	.4377133	.2517239	1.184235	.4908722	.2620059
#1	.0078236	3.116427	21.28037	.0938065	.7274520	.0883021
#2	.0076740	3.095022	21.24310	.0938598	.7242121	.0880308
#3	.0074501	3.091267	21.34877	.0957705	.7313459	.0884909

Elem	Sr4077
Units	ppm
Avg	**.3215051**
Stddev	.0004690
%RSD	.1458867
#1	.3211059
#2	.3220217
#3	.3213876

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3361.515**	**78801.49**	**11547.53**	**3756.617**	**3295.363**
Stddev	10.980	135.02	24.63	9.261	11.757
%RSD	.3266375	.1713476	.2132816	.2465152	.3567634
#1	3351.668	78826.35	11523.22	3760.496	3283.501
#2	3373.355	78655.76	11572.47	3763.307	3307.012
#3	3359.521	78922.35	11546.89	3746.047	3295.577

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-10 Acquired: 1/12/2025 16:35:45 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN08 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0865497**	**-.005118**	**1.680088**	**.0249884**	**-.001708**	**53.82716**
Stddev	.0006144	.002702	.002317	.0009800	.001236	.14939
%RSD	.7098937	52.79757	.1378987	3.921794	72.41175	.2775439
#1	.0869764	-.005003	1.680032	.0243569	-.001306	53.69891
#2	.0868273	-.007876	1.677800	.0244909	-.000722	53.99120
#3	.0858455	-.002475	1.682433	.0261174	-.003095	53.79138

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.012085**	**.0039995**	**.0079117**	**233.4356**	**.1105265**	**.0828623**
Stddev	.003874	.0000877	.0002021	.7854	.0003397	.0004460
%RSD	.3827288	2.192303	2.553840	.3364344	.3073639	.5381776
#1	1.008798	.0040713	.0079489	232.7629	.1101344	.0829381
#2	1.016356	.0039018	.0076936	234.2986	.1107332	.0823833
#3	1.011101	.0040255	.0080925	233.2452	.1107118	.0832655

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2891832**	**143.6483**	**8.215214**	**43.22194**	**.1806082**	**-.011782**
Stddev	.0017700	.5086	.030006	.15376	.0003972	.000326
%RSD	.6120520	.3540816	.3652520	.3557424	.2199117	2.770862
#1	.2889145	143.1256	8.198755	43.04664	.1801946	-.012119
#2	.2875629	144.1416	8.249848	43.33401	.1806434	-.011467
#3	.2910721	143.6778	8.197039	43.28515	.1809867	-.011761

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7345957**	**.1293319**	**1.110307**	**5.921632**	**7.656124**	**.6134975**
Stddev	.0738882	.0013280	.003350	.060588	.017635	.0027347
%RSD	10.05835	1.026800	.3017303	1.023161	.2303387	.4457570
#1	.7205168	.1284809	1.111405	5.892160	7.658116	.6103500
#2	.6687600	.1308621	1.112970	5.991317	7.637577	.6148501
#3	.8145105	.1286527	1.106546	5.881418	7.672678	.6152922

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-10 Acquired: 1/12/2025 16:35:45 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN08 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053601	2.067071	F 20.77936	.0658003	.8578534	.0815857
Stddev	.0004210	.007772	.03937	.0000926	.0015260	.0002096
%RSD	7.853389	.3760092	.1894708	.1407229	.1778918	.2568559
#1	.0052354	2.066409	20.81453	.0657127	.8561977	.0813625
#2	.0058293	2.059651	20.78672	.0657909	.8581591	.0816165
#3	.0050156	2.075153	20.73683	.0658972	.8592035	.0817781

Elem	Sr4077
Units	ppm
Avg	.2469907
Stddev	.0006099
%RSD	.2469207
#1	.2462923
#2	.2472612
#3	.2474185

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2989.538	70003.78	10180.78	3322.178	3287.647
Stddev	2.710	190.82	12.88	10.695	6.484
%RSD	.0906475	.2725854	.1265135	.3219296	.1972382
#1	2990.860	70208.05	10182.53	3324.244	3285.294
#2	2991.332	69830.11	10192.70	3310.600	3294.979
#3	2986.420	69973.20	10167.12	3331.689	3282.667

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-11 Acquired: 1/12/2025 16:39:42 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN09 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1221109	-.008049	2.066334	.0304317	-.004166	61.01977
Stddev	.0019366	.001565	.004750	.0021630	.002602	.28186
%RSD	1.585926	19.44165	.2298899	7.107807	62.45742	.4619198
#1	.1234687	-.007754	2.061680	.0308677	-.003408	60.73087
#2	.1229708	-.006653	2.066146	.0323435	-.002027	61.03440
#3	.1198933	-.009741	2.071175	.0280838	-.007062	61.29403

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.282344	.0052361	.0097426	97.04658	.1185989	.1009587
Stddev	.008159	.0001070	.0000560	.40757	.0001526	.0002359
%RSD	.6362421	2.043856	.5743755	.4199729	.1286392	.2336813
#1	1.273645	.0053511	.0097402	96.61551	.1185736	.1007313
#2	1.283560	.0052176	.0096879	97.09859	.1184607	.1009426
#3	1.289826	.0051395	.0097997	97.42565	.1187626	.1012023

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4449930	170.1465	10.35724	26.99804	.1733664	-.013488
Stddev	.0021056	.6029	.04173	.13243	.0006913	.000449
%RSD	.4731679	.3543190	.4028734	.4905189	.3987785	3.325452
#1	.4472400	169.5170	10.31166	26.87921	.1727143	-.013878
#2	.4446736	170.2039	10.36653	26.97412	.1732937	-.013588
#3	.4430654	170.7187	10.39355	27.14081	.1740913	-.012997

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.132789	.1490586	1.307090	6.569808	F 12.22546	.7153372
Stddev	.094870	.0022762	.005489	.078614	.01110	.0033428
%RSD	8.374927	1.527060	.4199159	1.196593	.0908104	.4672986
#1	1.115235	.1482332	1.313428	6.544529	12.23808	.7119124
#2	1.235210	.1516324	1.303917	6.506944	12.21721	.7155078
#3	1.047921	.1473103	1.303927	6.657952	12.22109	.7185914

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-11 Acquired: 1/12/2025 16:39:42 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN09 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0051491	2.941155	F 22.43711	.0854837	.8155560	.0756575
Stddev	.0002085	.009939	.07982	.0008815	.0021674	.0014345
%RSD	4.050013	.3379165	.3557631	1.031240	.2657623	1.896042
#1	.0049177	2.945501	22.52483	.0861343	.8155821	.0743788
#2	.0052072	2.929783	22.41778	.0844804	.8177103	.0753851
#3	.0053225	2.948180	22.36873	.0858363	.8133757	.0772087

Elem	Sr4077
Units	ppm
Avg	.2044260
Stddev	.0011342
%RSD	.5548281
#1	.2031513
#2	.2048028
#3	.2053238

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3137.826	76610.36	10517.53	3594.259	3317.405
Stddev	2.573	123.76	51.52	13.478	4.842
%RSD	.0819952	.1615405	.4898396	.3749860	.1459709
#1	3138.126	76674.77	10463.46	3579.235	3319.942
#2	3140.236	76688.63	10523.08	3605.288	3320.452
#3	3135.116	76467.68	10566.05	3598.253	3311.822

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-12 Acquired: 1/12/2025 16:43:37 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN10 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1289523**	**-.010966**	**.4854996**	**.0365047**	**-.004341**	**61.01639**
Stddev	.0015142	.001796	.0006935	.0029968	.001543	.47712
%RSD	1.174249	16.38169	.1428339	8.209250	35.54267	.7819570
#1	.1275970	-.011677	.4862831	.0332615	-.002619	60.62885
#2	.1286732	-.008923	.4849647	.0370815	-.005598	60.87105
#3	.1305866	-.012299	.4852510	.0391712	-.004807	61.54928

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.893530**	**.0058972**	**.0132570**	**41.94437**	**.1106603**	**.1286679**
Stddev	.013027	.0001240	.0001101	.27661	.0004177	.0007039
%RSD	.6879635	2.102347	.8306102	.6594765	.3774721	.5470481
#1	1.882925	.0060063	.0131869	41.73720	.1102120	.1292598
#2	1.889594	.0057624	.0132001	41.83742	.1107302	.1288543
#3	1.908071	.0059230	.0133839	42.25849	.1110386	.1278896

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2405682**	**186.8045**	**18.66836**	**17.60622**	**.1986892**	**-.012803**
Stddev	.0025910	1.2017	.14260	.11928	.0000945	.000145
%RSD	1.077041	.6433081	.7638843	.6775037	.0475680	1.135877
#1	.2412509	185.8863	18.80773	17.50816	.1986895	-.012968
#2	.2427495	186.3625	18.52273	17.57149	.1987836	-.012694
#3	.2377042	188.1646	18.67463	17.73902	.1985945	-.012747

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7846970**	**.1519928**	**1.423613**	**4.530515**	**7.696147**	**.7707022**
Stddev	.0785578	.0017033	.004420	.023282	.044367	.0063810
%RSD	10.01122	1.120630	.3104868	.5138939	.5764862	.8279416
#1	.8458688	.1529313	1.426417	4.505374	7.740096	.7660098
#2	.8121182	.1500267	1.418518	4.534838	7.696973	.7681289
#3	.6961039	.1530203	1.425905	4.551332	7.651373	.7779680

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-12 Acquired: 1/12/2025 16:43:37 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN10 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044569	1.697761	F 22.73821	.0151005	.6732650	.0669470
Stddev	.0005060	.007117	.08433	.0004883	.0010829	.0008365
%RSD	11.35316	.4192009	.3708642	3.233343	.1608411	1.249457
#1	.0048160	1.703223	22.83501	.0151302	.6739734	.0663576
#2	.0046766	1.700348	22.68068	.0155733	.6720185	.0679044
#3	.0038782	1.689712	22.69894	.0145982	.6738032	.0665791

Elem	Sr4077
Units	ppm
Avg	.1393918
Stddev	.0012593
%RSD	.9034014
#1	.1384070
#2	.1389578
#3	.1408107

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3360.479	80253.74	11002.15	3782.757	3461.107
Stddev	3.283	75.37	78.85	2.627	3.025
%RSD	.0976953	.0939089	.7166337	.0694508	.0873948
#1	3359.600	80309.18	10925.73	3779.795	3458.952
#2	3364.112	80284.12	10997.49	3783.670	3459.804
#3	3357.725	80167.93	11083.22	3784.806	3464.565

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-13 Acquired: 1/12/2025 16:47:41 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN11 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1449589**	**-.011987**	**.3639942**	**.0368819**	**-.006562**	**47.23861**
Stddev	.0003690	.001119	.0011145	.0018786	.003098	.24022
%RSD	.2545400	9.338915	.3061965	5.093545	47.20615	.5085308
#1	.1452761	-.010794	.3627098	.0385700	-.008327	47.28643
#2	.1445540	-.013014	.3645664	.0372175	-.008374	46.97807
#3	.1450466	-.012152	.3647063	.0348581	-.002985	47.45133

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.010279**	**.0056861**	**.0114218**	**38.01007**	**.1004793**	**.1470219**
Stddev	.020786	.0001639	.0000724	.16321	.0002066	.0002416
%RSD	.5183153	2.882473	.6339209	.4293991	.2056114	.1643222
#1	4.017996	.0056448	.0113407	38.08132	.1007086	.1467681
#2	3.986738	.0058667	.0114800	37.82334	.1003077	.1472490
#3	4.026102	.0055468	.0114446	38.12555	.1004215	.1470486

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2786214**	**199.0899**	**28.94082**	**19.96164**	**.2169791**	**-.013267**
Stddev	.0012312	.8934	.27064	.02943	.0003079	.000233
%RSD	.4418857	.4487502	.9351421	.1474446	.1419132	1.754407
#1	.2772897	199.4245	29.16066	19.99490	.2168484	-.013302
#2	.2797183	198.0775	29.02325	19.93894	.2167580	-.013481
#3	.2788562	199.7678	28.63856	19.95110	.2173308	-.013019

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6524139**	**.1497189**	**.9074435**	**4.191174**	**6.662819**	**.8205806**
Stddev	.0816588	.0018934	.0021558	.058932	.006646	.0047985
%RSD	12.51641	1.264658	.2375653	1.406088	.0997507	.5847725
#1	.5621683	.1481186	.9073480	4.125160	6.670336	.8233942
#2	.6738732	.1492290	.9053371	4.209880	6.657722	.8150399
#3	.7212001	.1518092	.9096454	4.238482	6.660399	.8233075

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-13 Acquired: 1/12/2025 16:47:41 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN11 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0062787	.7018145	F 19.84800	.0086995	.6471252	.0576421
Stddev	.0001477	.0045376	.05086	.0004835	.0008220	.0003971
%RSD	2.352186	.6465584	.2562430	5.558012	.1270155	.6889382
#1	.0063187	.6980216	19.89016	.0089539	.6480568	.0579324
#2	.0064022	.7005802	19.86233	.0090028	.6465023	.0571895
#3	.0061151	.7068415	19.79152	.0081419	.6468166	.0578043

Elem	Sr4077
Units	ppm
Avg	.1158918
Stddev	.0005399
%RSD	.4658886
#1	.1157665
#2	.1154255
#3	.1164834

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3283.745	78250.75	10919.35	3736.113	3403.732
Stddev	.891	349.65	49.80	16.957	5.489
%RSD	.0271232	.4468326	.4561080	.4538689	.1612677
#1	3284.396	77863.19	10879.39	3724.359	3409.908
#2	3284.110	78542.53	10903.52	3755.552	3399.411
#3	3282.730	78346.52	10975.15	3728.429	3401.876

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-14 Acquired: 1/12/2025 16:51:48 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN12 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0946774	-.007604	.2946107	.0142138	-.003947	31.65345
Stddev	.0021489	.001404	.0031174	.0034244	.001117	.07541
%RSD	2.269731	18.47071	1.058151	24.09198	28.29274	.2382472
#1	.0967063	-.008073	.2981258	.0165573	-.004994	31.73309
#2	.0949003	-.008713	.2921814	.0158001	-.004076	31.58313
#3	.0924258	-.006025	.2935249	.0102839	-.002772	31.64412

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.122325	.0042158	.0064575	659.2923	.0768318	.0667356
Stddev	.004260	.0000918	.0001742	3.3121	.0003382	.0007253
%RSD	.3795500	2.178739	2.697862	.5023672	.4401907	1.086771
#1	1.124747	.0042175	.0066315	657.1383	.0764425	.0675140
#2	1.117407	.0043068	.0062831	657.6326	.0769991	.0666139
#3	1.124821	.0041231	.0064580	663.1061	.0770537	.0660788

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2239377	128.2129	13.33383	259.1014	.1188437	-.009511
Stddev	.0005458	.2253	.05217	.5746	.0006771	.000229
%RSD	.2437450	.1757587	.3912927	.2217747	.5697476	2.405270
#1	.2237219	128.4709	13.37210	259.7228	.1194737	-.009492
#2	.2245584	128.0547	13.27440	258.5892	.1181277	-.009293
#3	.2235327	128.1132	13.35499	258.9922	.1189296	-.009749

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9297693	.0903831	.5492636	8.208703	4.377379	.5973298
Stddev	.1725629	.0018541	.0029992	.019054	.025221	.0003475
%RSD	18.55975	2.051430	.5460347	.2321193	.5761589	.0581695
#1	.8117901	.0896747	.5458006	8.217716	4.404217	.5976405
#2	1.127822	.0889875	.5510285	8.186814	4.354169	.5969547
#3	.849695	.0924869	.5509615	8.221577	4.373750	.5973943

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-14 Acquired: 1/12/2025 16:51:48 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN12 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0029469	2.723920	F 17.22844	.0036430	.2262775	.0567018
Stddev	.0004081	.016292	.04454	.0008567	.0015055	.0010142
%RSD	13.84737	.5981220	.2585017	23.51619	.6653316	1.788622
#1	.0032041	2.740232	17.25165	.0046310	.2265442	.0560464
#2	.0024764	2.707647	17.17710	.0031919	.2246566	.0561890
#3	.0031602	2.723881	17.25658	.0031062	.2276319	.0578700

Elem	Sr4077
Units	ppm
Avg	.4671232
Stddev	.0013398
%RSD	.2868117
#1	.4686223
#2	.4667045
#3	.4660428

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2792.636	66019.84	9919.467	3129.375	2883.620
Stddev	1.224	104.64	19.057	8.849	8.708
%RSD	.0438363	.1585031	.1921177	.2827685	.3019842
#1	2792.791	66021.14	9937.101	3133.594	2876.077
#2	2793.775	66123.83	9922.050	3135.326	2893.150
#3	2791.341	65914.55	9899.250	3119.206	2881.634

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-15 Acquired: 1/12/2025 16:55:53 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN13 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0585946**	**-.001851**	**1.810967**	**.0211004**	**.0006164**	**48.09952**
Stddev	.0014730	.001462	.009255	.0008301	.0022524	.12507
%RSD	2.513805	78.97459	.5110702	3.933954	365.4235	.2600167
#1	.0594416	-.001828	1.815203	.0209341	-.001983	47.97570
#2	.0594485	-.003324	1.817347	.0203661	.001986	48.09705
#3	.0568938	-.000401	1.800352	.0220011	.001846	48.22580

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.001760**	**.0029300**	**.0086634**	**61.15024**	**.1688585**	**.0447187**
Stddev	.001850	.0000186	.0001418	.17258	.0006699	.0002802
%RSD	.1847115	.6363893	1.636275	.2822218	.3967282	.6265538
#1	1.000231	.0029088	.0087132	61.00688	.1687525	.0445771
#2	1.001231	.0029373	.0087736	61.10205	.1682479	.0450414
#3	1.003817	.0029439	.0085035	61.34180	.1695751	.0445376

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4028450**	**104.1774**	**3.773728**	**22.19450**	**.1332182**	**-.007529**
Stddev	.0030231	.3995	.007968	.07374	.0012973	.000135
%RSD	.7504414	.3834803	.2111368	.3322276	.9738219	1.796291
#1	.4032066	103.8277	3.766031	22.12862	.1336124	-.007487
#2	.3996574	104.0918	3.773211	22.18072	.1342727	-.007420
#3	.4056711	104.6128	3.781941	22.27415	.1317695	-.007680

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5513818**	**.1182384**	**1.918695**	**5.437364**	F **11.02491**	**.4512236**
Stddev	.0521074	.0016347	.007831	.065449	.04201	.0021843
%RSD	9.450336	1.382573	.4081476	1.203687	.3810042	.4840797
#1	.5528915	.1168381	1.926337	5.361883	11.04222	.4487535
#2	.6027180	.1178424	1.919062	5.471875	11.05549	.4520170
#3	.4985359	.1200348	1.910687	5.478335	10.97701	.4529003

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-15 Acquired: 1/12/2025 16:55:53 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN13 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0051517	4.444014	F 19.44283	.0853374	.7786278	.0510456
Stddev	.0001197	.020156	.04308	.0014530	.0021954	.0010038
%RSD	2.323669	.4535523	.2215739	1.702608	.2819508	1.966417
#1	.0052083	4.446258	19.48140	.0852333	.7811050	.0522043
#2	.0052327	4.462953	19.39634	.0868397	.7769234	.0504911
#3	.0050142	4.422829	19.45075	.0839394	.7778548	.0504413

Elem	Sr4077
Units	ppm
Avg	.1643731
Stddev	.0005882
%RSD	.3578716
#1	.1637625
#2	.1644206
#3	.1649361

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2925.960	68969.81	9653.406	3267.492	3516.032
Stddev	5.937	248.68	5.599	2.250	9.414
%RSD	.2029111	.3605650	.0579987	.0688608	.2677348
#1	2920.446	69227.14	9646.959	3268.604	3511.184
#2	2925.188	68951.51	9657.047	3264.902	3510.032
#3	2932.245	68730.79	9656.212	3268.969	3526.882

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-16 Acquired: 1/12/2025 16:59:49 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN14 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1032594	-.002714	4.142149	.0322806	.0038424	53.50328
Stddev	.0017552	.000731	.007096	.0017434	.0016852	.64405
%RSD	1.699759	26.93263	.1713034	5.400917	43.85806	1.203757
#1	.1023207	-.002040	4.146701	.0340755	.0020588	52.83629
#2	.1021733	-.003491	4.145773	.0321726	.0054080	54.12163
#3	.1052843	-.002611	4.133973	.0305936	.0040603	53.55192

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.991183	.0043692	.0126177	122.3096	.3294107	.0718840
Stddev	.023000	.0000453	.0001252	1.3757	.0032181	.0004196
%RSD	1.155097	1.035692	.9918314	1.124759	.9769366	.5836995
#1	1.968298	.0043793	.0126803	120.9031	.3257188	.0720653
#2	2.014297	.0043197	.0124736	123.6523	.3316226	.0721824
#3	1.990955	.0044085	.0126991	122.3733	.3308906	.0714042

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8994131	147.1137	6.967566	28.00185	.1989341	-.008080
Stddev	.0028148	1.6324	.073789	.31482	.0009615	.000152
%RSD	.3129549	1.109621	1.059041	1.124273	.4833468	1.881457
#1	.8987609	145.4169	6.890790	27.66956	.1991959	-.007950
#2	.9024967	148.6731	7.037954	28.29566	.1997376	-.008045
#3	.8969817	147.2510	6.973954	28.04032	.1978688	-.008247

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8231204	.1466057	3.668983	6.064161	F 13.45441	.6354122
Stddev	.0167688	.0019344	.030705	.083700	.03445	.0075728
%RSD	2.037219	1.319448	.8368908	1.380233	.2560633	1.191799
#1	.8378849	.1449435	3.635314	5.970097	13.46960	.6275810
#2	.8048892	.1487289	3.695442	6.091968	13.41498	.6426972
#3	.8265870	.1461445	3.676193	6.130418	13.47867	.6359583

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-16 Acquired: 1/12/2025 16:59:49 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN14 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0063502	3.118301	F 20.63784	.2031792	.7861272	.0726855
Stddev	.0001395	.001874	.06110	.0012737	.0021299	.0022846
%RSD	2.197207	.0601023	.2960585	.6268718	.2709382	3.143118
#1	.0063100	3.118692	20.64602	.2024870	.7838953	.0707076
#2	.0065054	3.119949	20.57307	.2046491	.7881378	.0751861
#3	.0062351	3.116262	20.69445	.2024016	.7863484	.0721628

Elem	Sr4077
Units	ppm
Avg	.3011666
Stddev	.0037737
%RSD	1.253042
#1	.2972188
#2	.3047381
#3	.3015429

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3013.686	70918.85	10283.77	3388.649	3380.056
Stddev	5.636	523.81	49.82	21.702	5.716
%RSD	.1870223	.7386080	.4844689	.6404373	.1691060
#1	3018.716	71521.71	10257.56	3412.610	3383.778
#2	3007.594	70575.08	10341.22	3370.312	3373.474
#3	3014.747	70659.74	10252.52	3383.026	3382.915

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-17 Acquired: 1/12/2025 17:03:43 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN15 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1288681**	**-.007860**	**5.214295**	**.0396763**	**.0011978**	**64.09040**
Stddev	.0013164	.001294	.007663	.0030135	.0008200	.15660
%RSD	1.021476	16.46638	.1469573	7.595289	68.45505	.2443410
#1	.1278073	-.007644	5.221696	.0385420	.0002555	64.14888
#2	.1284558	-.009249	5.206395	.0430924	.0015896	63.91298
#3	.1303413	-.006687	5.214793	.0373945	.0017484	64.20934

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.485058**	**.0054040**	**.0166523**	**218.1327**	**.3213875**	**.1043205**
Stddev	.005735	.0001243	.0001169	.3383	.0007494	.0002913
%RSD	.2307796	2.300037	.7018900	.1550971	.2331865	.2792700
#1	2.491432	.0055466	.0167321	218.3997	.3209168	.1045043
#2	2.480315	.0053466	.0165182	217.7522	.3209940	.1039846
#3	2.483426	.0053187	.0167067	218.2462	.3222517	.1044727

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8435241**	**220.4987**	**11.16826**	**43.14440**	**.2368187**	**-.016785**
Stddev	.0024137	.3772	.01213	.06183	.0003787	.000204
%RSD	.2861477	.1710496	.1085865	.1433074	.1599019	1.217638
#1	.8462481	220.6238	11.17979	43.07306	.2372243	-.016568
#2	.8426732	220.0749	11.15561	43.18239	.2367575	-.016975
#3	.8416511	220.7974	11.16937	43.17775	.2364744	-.016812

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.063614**	**.1813421**	**3.931547**	**8.043398**	F **19.18555**	**.9312729**
Stddev	.044955	.0006339	.002469	.008452	.03640	.0020222
%RSD	4.226606	.3495420	.0627874	.1050779	.1897411	.2171484
#1	1.015915	.1820725	3.931174	8.052529	19.22215	.9300014
#2	1.069727	.1809364	3.934182	8.041815	19.14935	.9302125
#3	1.105199	.1810173	3.929287	8.035849	19.18516	.9336048

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-17 Acquired: 1/12/2025 17:03:43 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN15 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0075433	2.694968	F 20.60798	.2016249	.9241128	.1022722
Stddev	.0002876	.007784	.08787	.0005808	.0020906	.0005349
%RSD	3.812649	.2888279	.4263731	.2880511	.2262304	.5230361
#1	.0078332	2.701054	20.67107	.2012945	.9264281	.1021447
#2	.0075387	2.686197	20.64523	.2012847	.9235471	.1028593
#3	.0072581	2.697653	20.50762	.2022955	.9223633	.1018125

Elem	Sr4077
Units	ppm
Avg	.4203769
Stddev	.0013657
%RSD	.3248821
#1	.4209326
#2	.4188209
#3	.4213772

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3233.340	76329.13	10928.54	3604.245	3239.925
Stddev	2.490	163.75	28.14	3.035	5.495
%RSD	.0770181	.2145369	.2574937	.0842123	.1696071
#1	3230.589	76177.83	10900.54	3604.680	3233.742
#2	3233.995	76502.99	10928.26	3601.015	3244.252
#3	3235.438	76306.56	10956.82	3607.039	3241.780

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-18 Acquired: 1/12/2025 17:07:37 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN16 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0966942**	**-.009131**	**1.668575**	**.0249178**	**-.000994**	**58.01590**
Stddev	.0009363	.000228	.000806	.0020148	.000660	.11113
%RSD	.9682816	2.500291	.0483249	8.085732	66.38617	.1915586
#1	.0966897	-.009270	1.668865	.0233830	-.000285	57.91471
#2	.0976327	-.009256	1.669197	.0271993	-.001590	58.13484
#3	.0957602	-.008868	1.667664	.0241710	-.001108	57.99814

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.211153**	**.0048043**	**.0093600**	**210.0952**	**.1929562**	**.0972498**
Stddev	.005578	.0000651	.0001292	.4599	.0002677	.0004600
%RSD	.2522758	1.354144	1.380500	.2188848	.1387376	.4730293
#1	2.214560	.0047470	.0093162	209.9169	.1927184	.0967277
#2	2.214183	.0047910	.0092584	210.6175	.1932461	.0975956
#3	2.204715	.0048750	.0095054	209.7511	.1929041	.0974260

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4145908**	**163.0547**	**15.15748**	**41.13294**	**.1570626**	**-.012864**
Stddev	.0021331	.4440	.02732	.19614	.0002410	.000070
%RSD	.5145158	.2723232	.1802533	.4768493	.1534330	.5461767
#1	.4125417	162.7120	15.14538	40.92327	.1573267	-.012913
#2	.4144318	163.5563	15.18876	41.31194	.1570066	-.012783
#3	.4167991	162.8959	15.13829	41.16363	.1568546	-.012894

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6305716**	**.1515677**	**1.464496**	**6.699730**	**9.854967**	**.6845940**
Stddev	.0621303	.0004256	.003495	.007583	.012307	.0022565
%RSD	9.853018	.2807892	.2386635	.1131772	.1248774	.3296065
#1	.6874551	.1520434	1.464001	6.691716	9.868568	.6822730
#2	.6399899	.1514368	1.461275	6.706791	9.851730	.6867799
#3	.5642699	.1512230	1.468212	6.700683	9.844602	.6847291

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-18 Acquired: 1/12/2025 17:07:37 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN16 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0091345	1.584877	F 19.29180	.0693215	.9268437	.0922140
Stddev	.0001372	.005535	.01989	.0005780	.0010079	.0006121
%RSD	1.501520	.3492136	.1030779	.8337329	.1087460	.6637789
#1	.0091187	1.586855	19.31329	.0687578	.9280027	.0916986
#2	.0090058	1.578625	19.28807	.0692939	.9263552	.0928905
#3	.0092788	1.589151	19.27404	.0699127	.9261731	.0920528

Elem	Sr4077
Units	ppm
Avg	.2644897
Stddev	.0003902
%RSD	.1475226
#1	.2641496
#2	.2649156
#3	.2644038

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3070.028	74986.82	10427.87	3497.454	3195.974
Stddev	9.420	231.98	26.06	11.766	9.998
%RSD	.3068402	.3093611	.2498613	.3364048	.3128383
#1	3062.402	75243.50	10450.53	3507.125	3187.710
#2	3067.124	74792.12	10433.66	3500.882	3193.124
#3	3080.558	74924.85	10399.40	3484.355	3207.088

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-19 Acquired: 1/12/2025 17:11:34 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN17 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0831683**	**-.013716**	**.6922497**	**.0264991**	**-.003766**	**48.74886**
Stddev	.0006208	.001401	.0028226	.0002141	.000681	.37608
%RSD	.7464501	10.21277	.4077467	.8079732	18.07655	.7714711
#1	.0834450	-.014928	.6898240	.0262529	-.004144	48.50095
#2	.0824572	-.014039	.6953478	.0266419	-.004173	48.56404
#3	.0836026	-.012182	.6915771	.0266026	-.002980	49.18159

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.429411**	**.0049701**	**.0067166**	**85.12259**	**.1233150**	**.0827853**
Stddev	.016673	.0001588	.0001267	.57253	.0003117	.0007250
%RSD	.6862787	3.195070	1.885771	.6725918	.2527607	.8757559
#1	2.419427	.0049375	.0065956	84.70527	.1229564	.0820507
#2	2.420148	.0051426	.0068483	84.88721	.1234671	.0835003
#3	2.448658	.0048301	.0067060	85.77529	.1235213	.0828050

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2878085**	**140.8416**	**25.69348**	**27.36908**	**.1201836**	**-.008622**
Stddev	.0035597	1.0238	.20583	.16143	.0017445	.000171
%RSD	1.236828	.7268817	.8011155	.5898258	1.451555	1.979705
#1	.2837169	140.1075	25.60263	27.23649	.1184389	-.008641
#2	.2901936	140.4061	25.92911	27.32191	.1219280	-.008782
#3	.2895152	142.0111	25.54871	27.54884	.1201840	-.008442

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4929274**	**.1233335**	**.9132484**	**4.592964**	**6.251816**	**.5865446**
Stddev	.1335080	.0004071	.0019072	.033453	.038173	.0041770
%RSD	27.08471	.3300902	.2088391	.7283525	.6105852	.7121435
#1	.3563545	.1233267	.9154298	4.558300	6.212636	.5849328
#2	.6231433	.1237439	.9124199	4.595535	6.288894	.5834136
#3	.4992845	.1229298	.9118956	4.625058	6.253920	.5912874

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-19 Acquired: 1/12/2025 17:11:34 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN17 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0121757	.9671415	F 21.73377	.0428955	.6901079	.0752327
Stddev	.0001399	.0060813	.25022	.0009659	.0078974	.0012663
%RSD	1.149277	.6287940	1.151300	2.251845	1.144372	1.683136
#1	.0121278	.9607001	21.44513	.0426151	.6810084	.0739422
#2	.0120661	.9727837	21.88922	.0439705	.6941394	.0752828
#3	.0123333	.9679407	21.86697	.0421007	.6951759	.0764732

Elem	Sr4077
Units	ppm
Avg	.1713350
Stddev	.0015004
%RSD	.8757339
#1	.1704779
#2	.1704595
#3	.1730675

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3132.715	72678.29	10257.22	3464.849	3453.965
Stddev	9.012	217.39	104.67	8.867	18.032
%RSD	.2876815	.2991108	1.020417	.2559016	.5220559
#1	3143.002	72859.19	10372.71	3458.604	3474.772
#2	3128.933	72738.56	10168.62	3474.998	3442.882
#3	3126.210	72437.13	10230.34	3460.946	3444.242

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-02 Acquired: 1/12/2025 17:15:40 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMR5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1682307	-.001014	1.739957	.0267849	-.000218	60.19547
Stddev	.0013774	.000525	.002450	.0003752	.000454	.30130
%RSD	.8187413	51.73737	.1408063	1.400836	208.4785	.5005283
#1	.1666681	-.000409	1.740500	.0271090	-.000153	60.14404
#2	.1687555	-.001332	1.737281	.0268719	.000200	59.92319
#3	.1692686	-.001302	1.742089	.0263739	-.000700	60.51916

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.374082	.0065268	.0099534	42.22750	.2197410	.0877411
Stddev	.005401	.0000112	.0000572	.22019	.0001700	.0000939
%RSD	.3930413	.1711981	.5748203	.5214320	.0773700	.1070739
#1	1.376573	.0065340	.0099358	42.27087	.2199236	.0877733
#2	1.367885	.0065325	.0100173	41.98885	.2197119	.0876353
#3	1.377788	.0065140	.0099071	42.42277	.2195873	.0878147

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4621669	117.0514	7.878412	13.41470	.2090488	-.008190
Stddev	.0016126	.5760	.036437	.05038	.0005328	.000205
%RSD	.3489296	.4920606	.4624903	.3755837	.2548443	2.502500
#1	.4622927	116.9282	7.885733	13.37526	.2091187	-.008240
#2	.4637130	116.5470	7.838870	13.39737	.2084846	-.008365
#3	.4604951	117.6790	7.910633	13.47146	.2095432	-.007965

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6742107	.2154188	1.481938	7.188750	F 10.17306	.5033115
Stddev	.0940725	.0023240	.004844	.039682	.00422	.0031399
%RSD	13.95299	1.078809	.3268784	.5520081	.0415062	.6238389
#1	.7601316	.2141875	1.486926	7.229431	10.17708	.5022523
#2	.5736929	.2180993	1.477252	7.186670	10.16866	.5008381
#3	.6888075	.2139695	1.481637	7.150148	10.17344	.5068439

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-02 Acquired: 1/12/2025 17:15:40 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMR5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0081411	2.932124	F 20.54432	.0657157	.8629154	.1069074
Stddev	.0003065	.003121	.08389	.0003320	.0032477	.0005148
%RSD	3.764916	.1064446	.4083397	.5052396	.3763653	.4815733
#1	.0083371	2.930736	20.46746	.0653381	.8598559	.1074976
#2	.0082982	2.935699	20.63381	.0659620	.8663233	.1065507
#3	.0077879	2.929938	20.53168	.0658470	.8625671	.1066738

Elem	Sr4077
Units	ppm
Avg	.2959677
Stddev	.0015559
%RSD	.5257020
#1	.2957616
#2	.2945251
#3	.2976164

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3054.742	72303.56	10102.05	3435.891	3465.379
Stddev	6.638	350.32	29.79	21.791	4.000
%RSD	.2173067	.4845105	.2948739	.6342244	.1154359
#1	3061.695	72109.52	10117.28	3418.469	3468.911
#2	3054.061	72707.97	10067.73	3460.325	3466.191
#3	3048.471	72093.20	10121.14	3428.879	3461.035

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-03 Acquired: 1/12/2025 17:19:34 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMR6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1473135**	**-.000883**	**1.577789**	**.0302114**	**-.000476**	**63.36850**
Stddev	.0022870	.002283	.002310	.0015011	.001501	.27043
%RSD	1.552454	258.4947	.1464113	4.968543	315.5394	.4267600
#1	.1449408	-.001881	1.580386	.0284841	.000477	63.08894
#2	.1495038	.001729	1.575964	.0309511	.000302	63.62878
#3	.1474959	-.002498	1.577017	.0311991	-.002206	63.38777

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.316573**	**.0062544**	**.0098527**	**39.98408**	**.1887282**	**.0824200**
Stddev	.005740	.0000448	.0001988	.18834	.0007992	.0001100
%RSD	.4359459	.7157320	2.017801	.4710298	.4234763	.1335143
#1	1.311472	.0063021	.0100391	39.80933	.1878054	.0824847
#2	1.322788	.0062479	.0096434	40.18356	.1891933	.0822930
#3	1.315461	.0062133	.0098756	39.95935	.1891859	.0824824

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4211903**	**126.3083**	**8.814996**	**16.72046**	**.1919912**	**-.008739**
Stddev	.0027039	.7057	.031548	.09826	.0006660	.000240
%RSD	.6419685	.5587254	.3578907	.5876425	.3469083	2.747210
#1	.4208070	125.5643	8.782255	16.61708	.1924418	-.009011
#2	.4240654	126.9683	8.845198	16.81263	.1912262	-.008653
#3	.4186985	126.3923	8.817534	16.73167	.1923056	-.008554

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7553383**	**.2210681**	**1.468253**	**7.229439**	**9.727641**	**.5426193**
Stddev	.1639172	.0019033	.001511	.069204	.031803	.0028271
%RSD	21.70116	.8609397	.1029081	.9572528	.3269346	.5210018
#1	.5697797	.2230936	1.469841	7.154085	9.762741	.5396249
#2	.8804414	.2193168	1.466833	7.290149	9.700741	.5452423
#3	.8157937	.2207941	1.468087	7.244084	9.719440	.5429908

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-03 Acquired: 1/12/2025 17:19:34 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMR6 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0082500	2.402853	F 21.80581	.0626653	.8713514	.1115160
Stddev	.0001380	.005117	.06734	.0014966	.0025220	.0009544
%RSD	1.673290	.2129394	.3088114	2.388242	.2894388	.8558439
#1	.0081358	2.404215	21.86471	.0628223	.8741805	.1118332
#2	.0082108	2.397194	21.82032	.0610964	.8705349	.1122713
#3	.0084034	2.407151	21.73240	.0640772	.8693387	.1104433

Elem	Sr4077
Units	ppm
Avg	.2802535
Stddev	.0014677
%RSD	.5237173
#1	.2786750
#2	.2815771
#3	.2805085

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3153.731	71877.40	10227.33	3444.390	3583.799
Stddev	2.243	289.04	30.16	8.149	7.835
%RSD	.0711350	.4021304	.2948615	.2365795	.2186108
#1	3151.218	72123.97	10194.41	3438.413	3574.845
#2	3155.533	71559.32	10233.97	3441.086	3589.392
#3	3154.442	71948.92	10253.62	3453.672	3587.160

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV010 Acquired: 1/12/2025 17:23:29 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV010 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.722430**	**4.589897**	**23.05673**	**4.736145**	**4.685924**	**364.3697**
Stddev	.015029	.016056	.02894	.017765	.007063	2.9184
%RSD	.3182500	.3498187	.1255377	.3750998	.1507317	.8009504
#1	4.716584	4.572337	23.03166	4.723430	4.680703	364.1381
#2	4.739504	4.593527	23.05013	4.756443	4.693961	367.3970
#3	4.711202	4.603828	23.08841	4.728562	4.683107	361.5739

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.576057**	**.5259723**	**2.612309**	**369.3337**	**14.76131**	**2.334000**
Stddev	.091399	.0019355	.004326	3.2354	.04668	.003592
%RSD	.9544555	.3679887	.1656032	.8760045	.3162097	.1539036
#1	9.681448	.5278293	2.607914	368.7736	14.77872	2.330544
#2	9.518527	.5261207	2.612449	372.8126	14.79678	2.333743
#3	9.528196	.5239668	2.616563	366.4150	14.70843	2.337714

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.18358**	**371.1034**	**14.01189**	**234.0152**	**2.331838**	**1.311716**
Stddev	.02416	.9702	.02773	.7049	.003611	.002964
%RSD	.1703518	.2614486	.1979094	.3012100	.1548558	.2259610
#1	14.18680	370.2795	13.98177	233.4558	2.328987	1.311562
#2	14.15797	372.1728	14.03636	234.8069	2.330629	1.314754
#3	14.20598	370.8578	14.01753	233.7828	2.335899	1.308832

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**372.4861**	**2.325909**	**14.79656**	**136.6570**	**4.615921**	F **5.646892**
Stddev	.2873	.003773	.02800	.5259	.023880	.005557
%RSD	.0771355	.1622239	.1892154	.3847990	.5173466	.0984080
#1	372.4801	2.326051	14.77243	136.1172	4.596612	5.652001
#2	372.2018	2.322067	14.82726	137.1677	4.608527	5.647700
#3	372.7763	2.329609	14.78998	136.6861	4.642624	5.640975

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV010 Acquired: 1/12/2025 17:23:29 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV010 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 4.418692	4.609876	4.675933	4.600942	4.637845	F 4.243883
Stddev	.009062	.004201	.006865	.005694	.003127	.014213
%RSD	.2050889	.0911294	.1468237	.1237497	.0674185	.3348950
#1	4.409169	4.608973	4.675556	4.597570	4.641151	4.227717
#2	4.427210	4.614455	4.669264	4.597740	4.634936	4.249518
#3	4.419697	4.606200	4.682979	4.607516	4.637448	4.254414

Elem	Sr4077
Units	ppm
Avg	4.683446
Stddev	.005754
%RSD	.1228632
#1	4.678308
#2	4.682366
#3	4.689663

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2141.486	52770.92	7974.998	2513.107	2869.631
Stddev	3.325	131.96	39.015	5.631	2.925
%RSD	.1552564	.2500606	.4892158	.2240573	.1019321
#1	2143.731	52705.37	7930.160	2519.577	2871.618
#2	2137.667	52684.56	7993.639	2510.427	2871.003
#3	2143.061	52922.82	8001.196	2509.316	2866.272

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB010 Acquired: 1/12/2025 17:28:02 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB010 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000437**	**.0010140**	**.0011306**	**.0019961**	**-.000948**	**.0031537**	**-.005329**
Stddev	.001088	.0017848	.0012381	.0021809	.001779	.0041110	.000078
%RSD	248.7988	176.0140	109.5092	109.2600	187.6062	130.3530	1.462292
#1	-.001457	.0023807	.0009174	-.000475	-.000515	.0011547	-.005419
#2	.000707	-.001005	.0024616	.003652	.000574	.0004246	-.005286
#3	-.000562	.001667	.0000130	.002811	-.002904	.0078820	-.005283

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000083**	**.0001367**	**.0161464**	**.0004576**	**-.000006**	**.0005722**	**.0269516**
Stddev	.000072	.0000296	.0075992	.0001291	.000044	.0011059	.0016562
%RSD	85.95155	21.61955	47.06422	28.21114	690.7927	193.2708	6.145089
#1	-.000063	.0001166	.0204883	.0004013	.000018	.0004405	.0271062
#2	-.000024	.0001707	.0073718	.0003662	.000020	-.000462	.0285250
#3	-.000163	.0001229	.0205791	.0006053	-.000057	.001738	.0252235

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005957**	**.0076536**	**-.000233**	**.0002053**	**.1756028**	**-.003125**	**.0003481**
Stddev	.0002175	.0014893	.000289	.0001851	.0960922	.001740	.0000975
%RSD	36.51135	19.45889	124.0811	90.13984	54.72131	55.65826	28.00148
#1	.0008438	.0060086	-.000160	.0002963	.2580787	-.004245	.0004483
#2	.0004380	.0080419	-.000552	-.000008	.1986456	-.004010	.0002536
#3	.0005052	.0089102	.000013	.000327	.0700842	-.001121	.0003425

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.042408**	**-.001034**	**.0011609**	**.0006177**	**.0015215**	**.0058534**	**.0004989**
Stddev	.068134	.000610	.0006063	.0002056	.0037480	.0023859	.0001784
%RSD	160.6645	58.98154	52.22792	33.29125	246.3368	40.76049	35.75717
#1	-.101942	-.001401	.0018560	.0006790	.0056935	.0034911	.0003172
#2	.031902	-.000330	.0008857	.0007857	.0004321	.0082622	.0005059
#3	-.057184	-.001372	.0007409	.0003884	-.001561	.0058069	.0006738

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB010 Acquired: 1/12/2025 17:28:02 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB010 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**-.000458**	**-.001525**	**.0000828**
Stddev	.000380	.000997	.0000523
%RSD	83.05665	65.36722	63.19872
#1	-.000878	-.000862	.0001274
#2	-.000358	-.002672	.0000960
#3	-.000137	-.001042	.0000252

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2659.970**	**61882.71**	**8313.836**	**2949.210**	**3774.735**
Stddev	6.348	153.27	9.171	9.519	7.213
%RSD	.2386387	.2476755	.1103081	.3227705	.1910856
#1	2654.238	61760.05	8304.014	2940.754	3766.696
#2	2666.792	62054.52	8322.174	2959.519	3780.640
#3	2658.881	61833.55	8315.322	2947.357	3776.870

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-04 Acquired: 1/12/2025 17:32:11 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMR7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0999493**	**-.005681**	**.7177680**	**.0290336**	**-.003023**	**63.34481**
Stddev	.0025783	.000266	.0026323	.0010251	.002004	.36047
%RSD	2.579650	4.677405	.3667344	3.530876	66.27880	.5690564
#1	.0969856	-.005439	.7150689	.0278940	-.005185	63.69585
#2	.1011854	-.005639	.7179071	.0293264	-.001228	62.97560
#3	.1016769	-.005966	.7203280	.0298806	-.002658	63.36296

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.437798**	**.0063504**	**.0095184**	**38.60243**	**.1331252**	**.0827110**
Stddev	.013124	.0000117	.0000385	.22229	.0008794	.0004908
%RSD	.9127550	.1850070	.4047714	.5758357	.6605697	.5934446
#1	1.447424	.0063634	.0095424	38.82421	.1321991	.0822511
#2	1.422849	.0063406	.0094740	38.37964	.1339489	.0832278
#3	1.443121	.0063472	.0095389	38.60342	.1332275	.0826541

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2320630**	**135.4391**	**14.39679**	**17.05210**	**.1619932**	**-.009912**
Stddev	.0018108	.7429	.12322	.10221	.0005492	.000423
%RSD	.7803058	.5484904	.8558693	.5994272	.3390336	4.266609
#1	.2299825	136.2089	14.49597	17.16472	.1617696	-.009466
#2	.2329221	134.7265	14.25886	16.96521	.1615910	-.009964
#3	.2332843	135.3819	14.43555	17.02637	.1626189	-.010307

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5159799**	**.1962937**	**.9174861**	**7.717864**	**9.703457**	**.5743344**
Stddev	.1295835	.0006805	.0022514	.081876	.021850	.0036310
%RSD	25.11407	.3466790	.2453840	1.060865	.2251771	.6322165
#1	.5399707	.1959711	.9200197	7.805565	9.680798	.5771092
#2	.3760773	.1970755	.9167237	7.643434	9.705179	.5702249
#3	.6318915	.1958345	.9157149	7.704593	9.724396	.5756689

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-04 Acquired: 1/12/2025 17:32:11 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMR7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0097061	2.437853	F 22.05410	.0429137	.7008123	.0993931
Stddev	.0003544	.007840	.09151	.0004637	.0018041	.0006141
%RSD	3.651504	.3215830	.4149227	1.080461	.2574262	.6178356
#1	.0099005	2.428809	22.15902	.0427412	.7028750	.0998458
#2	.0092970	2.442042	22.01248	.0425610	.7000327	.0986941
#3	.0099207	2.442709	21.99080	.0434389	.6995291	.0996393

Elem	Sr4077
Units	ppm
Avg	.2047921
Stddev	.0010503
%RSD	.5128781
#1	.2059280
#2	.2038562
#3	.2045920

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3222.454	75605.73	10422.27	3590.050	3505.210
Stddev	.620	259.58	31.08	15.349	1.682
%RSD	.0192279	.3433317	.2981755	.4275455	.0479740
#1	3223.009	75402.97	10446.35	3575.194	3507.010
#2	3221.786	75898.28	10387.19	3605.849	3504.940
#3	3222.566	75515.92	10433.27	3589.107	3503.679

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-05 Acquired: 1/12/2025 17:36:08 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMR8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0742621	-.008778	.3773157	.0254280	-.004242	61.76340
Stddev	.0008992	.002645	.0031928	.0014000	.000634	.22542
%RSD	1.210897	30.12818	.8461766	5.505593	14.93572	.3649739
#1	.0738546	-.005975	.3797654	.0238556	-.003947	61.66081
#2	.0752929	-.011229	.3737048	.0265392	-.004970	62.02187
#3	.0736387	-.009131	.3784768	.0258891	-.003810	61.60752

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.943533	.0076223	.0135796	41.83456	.1209750	.0812857
Stddev	.002754	.0000946	.0000388	.07836	.0000960	.0005413
%RSD	.1417031	1.241269	.2854573	.1873051	.0793827	.6658974
#1	1.946583	.0077172	.0136242	41.89330	.1210720	.0818871
#2	1.941229	.0076216	.0135599	41.86480	.1208799	.0808375
#3	1.942786	.0075280	.0135546	41.74559	.1209732	.0811325

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1920983	127.2674	26.22261	16.53563	.1934290	-.007129
Stddev	.0011150	.4531	.51943	.02768	.0006496	.000122
%RSD	.5804395	.3560162	1.980843	.1673929	.3358133	1.712575
#1	.1921034	127.1317	26.29270	16.53211	.1930375	-.007170
#2	.1909807	127.7728	26.70344	16.56490	.1930706	-.007225
#3	.1932107	126.8976	25.67170	16.50987	.1941788	-.006992

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5926307	.1419954	.7573483	6.307400	F 10.91920	.5427338
Stddev	.1434302	.0013701	.0024656	.047463	.01961	.0030353
%RSD	24.20228	.9649010	.3255596	.7525031	.1796147	.5592638
#1	.7290339	.1415981	.7599788	6.252656	10.94184	.5409768
#2	.4430790	.1408679	.7569763	6.337020	10.90834	.5462387
#3	.6057792	.1435203	.7550898	6.332525	10.90742	.5409860

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-05 Acquired: 1/12/2025 17:36:08 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMR8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0156026	3.239076	F 22.12061	.0198003	.5384564	.0804924
Stddev	.0002156	.006259	.09121	.0006755	.0015410	.0006269
%RSD	1.381811	.1932413	.4123481	3.411584	.2861964	.7787829
#1	.0154035	3.245011	22.19952	.0200985	.5400866	.0803069
#2	.0158316	3.232537	22.02074	.0202753	.5370235	.0799791
#3	.0155728	3.239681	22.14157	.0190270	.5382591	.0811910

Elem	Sr4077
Units	ppm
Avg	.2057532
Stddev	.0009835
%RSD	.4779749
#1	.2053791
#2	.2068687
#3	.2050116

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3456.944	80456.40	11224.07	3818.980	3485.290
Stddev	2.672	217.50	21.59	13.185	4.059
%RSD	.0772932	.2703266	.1923270	.3452427	.1164490
#1	3453.860	80522.07	11199.54	3806.894	3485.704
#2	3458.559	80213.64	11232.51	3817.005	3489.125
#3	3458.413	80633.49	11240.17	3833.041	3481.039

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-01 Acquired: 1/12/2025 17:40:11 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN19 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1055089	-.013860	.8463159	.0319386	-.004693	54.88576
Stddev	.0016040	.002656	.0011289	.0012879	.001055	.90039
%RSD	1.520205	19.16246	.1333915	4.032481	22.47730	1.640486
#1	.1048697	-.016377	.8458502	.0310780	-.005017	55.88349
#2	.1043232	-.011084	.8476031	.0313185	-.003514	54.13370
#3	.1073339	-.014119	.8454943	.0334193	-.005547	54.64009

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.060992	.0056062	.0158487	54.23980	.1237337	.1487284
Stddev	.032142	.0000081	.0001978	.79328	.0013979	.0005040
%RSD	1.559538	.1448149	1.247716	1.462538	1.129728	.3388975
#1	2.093882	.0056094	.0156315	55.11251	.1253063	.1485956
#2	2.029654	.0056123	.0160183	53.56247	.1226324	.1492855
#3	2.059440	.0055970	.0158963	54.04442	.1232624	.1483040

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3400795	149.5877	28.04246	26.92087	.2097880	-.008647
Stddev	.0017166	2.1783	.62220	.35054	.0002660	.000394
%RSD	.5047711	1.456213	2.218786	1.302104	.1267792	4.561329
#1	.3410802	152.0214	28.76007	27.31154	.2098117	-.009102
#2	.3380973	147.8205	27.71398	26.63383	.2100413	-.008437
#3	.3410609	148.9213	27.65334	26.81724	.2095110	-.008403

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.107447	.1267132	1.801752	5.593353	8.687299	.6296582
Stddev	.121542	.0005208	.024850	.138548	.009686	.0115439
%RSD	10.97497	.4109887	1.379228	2.477012	.1114940	1.833353
#1	1.011307	.1270785	1.830195	5.743242	8.677616	.6423168
#2	1.066971	.1269443	1.790816	5.469978	8.696988	.6197122
#3	1.244062	.1261169	1.784245	5.566838	8.687293	.6269456

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-01 Acquired: 1/12/2025 17:40:11 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN19 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0101994	1.839058	F 23.57082	.0731629	.7414954	.0913737
Stddev	.0002130	.002565	.05371	.0004870	.0006485	.0016910
%RSD	2.088674	.1394739	.2278841	.6656801	.0874530	1.850589
#1	.0099780	1.836182	23.50912	.0727146	.7414605	.0929640
#2	.0102172	1.841110	23.59615	.0730931	.7408651	.0895974
#3	.0104029	1.839881	23.60718	.0736811	.7421606	.0915598

Elem	Sr4077
Units	ppm
Avg	.1882534
Stddev	.0031821
%RSD	1.690337
#1	.1917420
#2	.1855102
#3	.1875079

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3371.749	77582.99	10884.15	3710.954	3493.361
Stddev	3.394	872.55	79.21	46.372	4.483
%RSD	.1006590	1.124662	.7277687	1.249611	.1283274
#1	3375.516	76575.46	10941.66	3658.332	3497.677
#2	3368.930	78087.01	10793.80	3728.685	3488.728
#3	3370.799	78086.50	10917.01	3745.845	3493.678

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-02 Acquired: 1/12/2025 17:44:15 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNF0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0722796**	**-.001357**	**1.972093**	**.0456892**	**-.001859**	**67.46824**
Stddev	.0016804	.001061	.003629	.0003517	.001140	.40126
%RSD	2.324804	78.17104	.1840125	.7696652	61.32609	.5947393
#1	.0703498	-.002520	1.974015	.0457928	-.001398	67.55822
#2	.0730697	-.000440	1.974357	.0452973	-.003157	67.81687
#3	.0734193	-.001112	1.967907	.0459773	-.001021	67.02963

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.141727**	**.0039637**	**.0101704**	**73.87550**	**.2306046**	**.0757916**
Stddev	.008058	.0002108	.0000376	.37405	.0005364	.0003337
%RSD	.7057682	5.317693	.3693181	.5063249	.2326004	.4403255
#1	1.142930	.0039103	.0101592	73.94894	.2304007	.0754142
#2	1.149115	.0037848	.0102123	74.20738	.2302001	.0759132
#3	1.133135	.0041961	.0101397	73.47017	.2312131	.0760476

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4819246**	**197.0639**	**6.291156**	**30.97955**	**.3188004**	**-.015491**
Stddev	.0018176	1.0066	.027140	.09070	.0004784	.000582
%RSD	.3771537	.5107871	.4313923	.2927618	.1500660	3.757889
#1	.4829080	197.1886	6.289618	30.95838	.3193529	-.015852
#2	.4830387	198.0023	6.319032	31.07896	.3185234	-.014820
#3	.4798272	196.0008	6.264819	30.90131	.3185250	-.015802

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9328304**	**.1626435**	**1.994918**	**9.273730**	F **12.20351**	**.8414935**
Stddev	.2196085	.0023113	.002885	.027180	.02231	.0054885
%RSD	23.54216	1.421059	.1446215	.2930878	.1828347	.6522332
#1	1.186174	.1602413	1.993723	9.255041	12.17918	.8417582
#2	.796634	.1628376	1.998208	9.261239	12.20833	.8468449
#3	.815684	.1648515	1.992822	9.304910	12.22301	.8358775

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-02 Acquired: 1/12/2025 17:44:15 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNF0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0093169	5.017095	F 26.95726	.1396614	.9000653	.0795758
Stddev	.0001148	.014023	.10292	.0013408	.0017205	.0004960
%RSD	1.232591	.2795014	.3817809	.9600527	.1911523	.6233499
#1	.0092486	5.031795	26.90585	.1402442	.8993551	.0800863
#2	.0092526	5.015626	26.89017	.1381279	.8988135	.0790956
#3	.0094495	5.003865	27.07575	.1406123	.9020272	.0795454

Elem	Sr4077
Units	ppm
Avg	.1942926
Stddev	.0015012
%RSD	.7726350
#1	.1950056
#2	.1953043
#3	.1925678

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2949.107	67329.81	9763.797	3225.726	3508.810
Stddev	1.950	89.13	64.673	3.991	2.366
%RSD	.0661057	.1323843	.6623760	.1237237	.0674267
#1	2950.323	67432.72	9793.270	3227.164	3509.484
#2	2946.859	67277.18	9808.483	3221.215	3510.766
#3	2950.140	67279.51	9689.637	3228.799	3506.180

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-03 Acquired: 1/12/2025 17:48:08 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNF1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0743911**	**-.004702**	**1.754919**	**.0380443**	**-.001621**	**67.33886**
Stddev	.0010254	.001108	.004556	.0034975	.002248	.44658
%RSD	1.378325	23.57466	.2596376	9.193257	138.6599	.6631844
#1	.0745645	-.005148	1.754023	.0369631	.000970	66.95212
#2	.0753186	-.005518	1.759856	.0352151	-.003049	67.23684
#3	.0732900	-.003440	1.750877	.0419548	-.002784	67.82762

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.202383**	**.0039771**	**.0109283**	**167.0207**	**.2026797**	**.0703995**
Stddev	.005368	.0001237	.0000714	.8801	.0008513	.0005215
%RSD	.4464811	3.110332	.6530679	.5269703	.4200284	.7407847
#1	1.196795	.0040596	.0109438	166.2876	.2021574	.0708496
#2	1.202853	.0040368	.0109907	166.7776	.2022197	.0705209
#3	1.207501	.0038348	.0108505	167.9968	.2036621	.0698280

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4691459**	**188.7174**	**6.749219**	**47.52996**	**.2472848**	**-.015283**
Stddev	.0035794	1.2472	.036622	.30181	.0008022	.000108
%RSD	.7629609	.6608865	.5426036	.6349938	.3243979	.7049844
#1	.4709304	187.7121	6.715769	47.26909	.2466656	-.015218
#2	.4714823	188.3271	6.743540	47.46026	.2481910	-.015408
#3	.4650251	190.1131	6.788348	47.86052	.2469979	-.015225

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.240687**	**.1555738**	**1.964172**	**8.180079**	F **12.07013**	**.8071049**
Stddev	.034451	.0008304	.011152	.035837	.04003	.0074584
%RSD	2.776746	.5337606	.5677661	.4380968	.3316820	.9240947
#1	1.254945	.1559598	1.956085	8.184786	12.07331	.8015605
#2	1.201396	.1546207	1.959538	8.142122	12.10848	.8041698
#3	1.265719	.1561410	1.976894	8.213330	12.02860	.8155843

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-03 Acquired: 1/12/2025 17:48:08 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNF1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0074685	4.775536	F 24.88492	.1540580	1.016447	.0824510
Stddev	.0003357	.021633	.08935	.0002083	.002321	.0005961
%RSD	4.495093	.4529883	.3590704	.1351814	.2283318	.7229624
#1	.0073470	4.767456	24.92764	.1539133	1.017084	.0829335
#2	.0078480	4.800045	24.94491	.1542967	1.018384	.0826350
#3	.0072104	4.759106	24.78223	.1539641	1.013875	.0817847

Elem	Sr4077
Units	ppm
Avg	.2904958
Stddev	.0021497
%RSD	.7400092
#1	.2887537
#2	.2898354
#3	.2928982

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2874.866	65877.08	9628.962	3171.956	3331.694
Stddev	6.389	130.17	74.235	1.297	7.253
%RSD	.2222498	.1975942	.7709565	.0408807	.2176961
#1	2868.184	65802.25	9551.513	3173.114	3326.868
#2	2875.498	66027.38	9635.874	3172.198	3328.179
#3	2880.916	65801.60	9699.500	3170.555	3340.035

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-04 Acquired: 1/12/2025 17:52:03 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNF2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0875534**	**-.005332**	**3.083203**	**.0299306**	**-.001679**	**52.78383**
Stddev	.0012025	.000680	.006456	.0024408	.000090	.11256
%RSD	1.373460	12.74623	.2094023	8.154762	5.362622	.2132547
#1	.0874030	-.006111	3.081925	.0296869	-.001577	52.91261
#2	.0888241	-.005020	3.090203	.0324841	-.001748	52.73465
#3	.0864332	-.004864	3.077481	.0276208	-.001712	52.70422

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.708572**	**.0044288**	**.0096478**	**141.6270**	**.1648300**	**.0829880**
Stddev	.003771	.0000823	.0000679	.4558	.0000846	.0002537
%RSD	.2207115	1.859435	.7038791	.3218089	.0513443	.3057533
#1	1.711095	.0044646	.0096764	142.1334	.1647468	.0827814
#2	1.704237	.0044872	.0096968	141.2496	.1648272	.0832712
#3	1.710385	.0043346	.0095703	141.4981	.1649160	.0829114

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4833326**	**142.7485**	**9.623569**	**40.49386**	**.1702215**	**-.010892**
Stddev	.0030073	.3990	.026172	.18147	.0003737	.000819
%RSD	.6222072	.2795090	.2719574	.4481387	.2195170	7.515358
#1	.4819897	143.1447	9.649062	40.70114	.1700352	-.010210
#2	.4867774	142.3468	9.596767	40.36361	.1706517	-.011800
#3	.4812307	142.7540	9.624878	40.41683	.1699776	-.010666

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.055944**	**.1442513**	**2.125899**	**6.278409**	F **13.64587**	**.6236014**
Stddev	.142300	.0006366	.004374	.016630	.05893	.0029419
%RSD	13.47613	.4413003	.2057564	.2648767	.4318650	.4717634
#1	1.110911	.1436719	2.125567	6.297564	13.66846	.6260476
#2	.894359	.1441493	2.130429	6.270003	13.69016	.6203369
#3	1.162563	.1449328	2.121700	6.267660	13.57898	.6244196

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-04 Acquired: 1/12/2025 17:52:03 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNF2 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0070269	3.007986	F 25.10394	.4112751	.7168533	.0759172
Stddev	.0000229	.015863	.03732	.0015362	.0017700	.0002401
%RSD	.3262616	.5273553	.1486702	.3735151	.2469113	.3162317
#1	.0070312	3.023817	25.07768	.4106873	.7163027	.0761825
#2	.0070021	3.008049	25.08748	.4130184	.7154241	.0757149
#3	.0070473	2.992091	25.14666	.4101196	.7188332	.0758543

Elem	Sr4077
Units	ppm
Avg	.3007425
Stddev	.0005480
%RSD	.1822184
#1	.3013562
#2	.3005693
#3	.3003020

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3058.268	72088.12	10338.60	3443.350	3366.948
Stddev	5.848	79.67	16.66	11.873	5.935
%RSD	.1912218	.1105172	.1611228	.3448128	.1762770
#1	3061.599	72000.87	10357.73	3429.660	3366.449
#2	3051.515	72106.50	10330.76	3449.547	3361.279
#3	3061.689	72157.00	10327.31	3450.841	3373.117

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-06 Acquired: 1/12/2025 17:55:58 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMR9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0766532**	**-.006879**	**.3141134**	**.0264157**	**-.004193**	**59.04189**
Stddev	.0013470	.001172	.0027812	.0023365	.001323	.46356
%RSD	1.757250	17.03688	.8854121	8.845144	31.54715	.7851347
#1	.0781915	-.007981	.3160407	.0238667	-.002681	58.56182
#2	.0756850	-.005648	.3109250	.0284559	-.005133	59.48695
#3	.0760830	-.007010	.3153744	.0269243	-.004767	59.07691

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.463542**	**.0057135**	**.0099178**	**33.40114**	**.1341732**	**.0857375**
Stddev	.018158	.0001152	.0001880	.28456	.0006554	.0002202
%RSD	1.240697	2.015859	1.896038	.8519563	.4884654	.2567678
#1	1.445618	.0058408	.0100213	33.11808	.1346357	.0859163
#2	1.481926	.0056166	.0097007	33.68718	.1344607	.0858046
#3	1.463083	.0056830	.0100314	33.39816	.1334232	.0854916

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1490048**	**140.0477**	**16.55286**	**17.95481**	**.1658897**	**-.009635**
Stddev	.0021115	.9739	.15730	.10948	.0005947	.000294
%RSD	1.417067	.6953900	.9503106	.6097263	.3585032	3.053636
#1	.1478005	139.0823	16.40074	17.87729	.1658377	-.009962
#2	.1477711	141.0299	16.71488	18.08004	.1653227	-.009391
#3	.1514429	140.0309	16.54297	17.90709	.1665087	-.009552

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4367671**	**.1602941**	**.7360523**	**5.332139**	**8.455904**	**.5872607**
Stddev	.2555236	.0012622	.0012034	.066473	.009056	.0054412
%RSD	58.50340	.7874364	.1634928	1.246653	.1071013	.9265321
#1	.1574841	.1588369	.7357967	5.261831	8.466246	.5814016
#2	.6588287	.1610465	.7373630	5.340625	8.449389	.5921548
#3	.4939886	.1609989	.7349973	5.393962	8.452077	.5882258

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-06 Acquired: 1/12/2025 17:55:58 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMR9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0069693	1.904341	F 21.69217	.0153077	.6667793	.0837419
Stddev	.0002298	.011290	.01756	.0001735	.0007436	.0020561
%RSD	3.297450	.5928617	.0809565	1.133486	.1115215	2.455246
#1	.0072019	1.917334	21.68774	.0152166	.6663102	.0823382
#2	.0069635	1.896925	21.71153	.0151986	.6676367	.0861020
#3	.0067424	1.898764	21.67725	.0155078	.6663910	.0827857

Elem	Sr4077
Units	ppm
Avg	.1469996
Stddev	.0012276
%RSD	.8351270
#1	.1456254
#2	.1479880
#3	.1473854

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3289.124	78580.84	10694.95	3709.717	3522.368
Stddev	.874	109.95	76.34	19.384	4.038
%RSD	.0265718	.1399157	.7138295	.5225131	.1146273
#1	3290.129	78624.18	10612.50	3732.000	3522.068
#2	3288.695	78455.83	10763.19	3700.407	3526.547
#3	3288.547	78662.51	10709.17	3696.746	3518.489

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-07 Acquired: 1/12/2025 17:59:55 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMS0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0563758	-.002644	.2134767	.0288657	-.002332	60.38927
Stddev	.0021091	.000918	.0023523	.0005090	.002242	.48578
%RSD	3.741064	34.73494	1.101886	1.763333	96.12661	.8044173
#1	.0568903	-.002976	.2115409	.0291181	-.004634	59.98868
#2	.0581800	-.003350	.2127947	.0282798	-.002205	60.92961
#3	.0540571	-.001606	.2160947	.0291992	-.000156	60.24952

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6446516	.0036964	.0050559	177.5626	.1223030	.0769550
Stddev	.0043944	.0000222	.0001845	1.1949	.0003359	.0001142
%RSD	.6816682	.5999867	3.649967	.6729549	.2746688	.1483813
#1	.6408206	.0037150	.0051939	176.3935	.1219410	.0768794
#2	.6494486	.0036718	.0051276	178.7818	.1223636	.0768992
#3	.6436855	.0037023	.0048463	177.5126	.1226046	.0770863

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1379281	158.0464	5.145758	65.73030	.1549579	-.014504
Stddev	.0020324	1.1331	.033586	.38859	.0006988	.000426
%RSD	1.473492	.7169555	.6526974	.5911812	.4509848	2.939020
#1	.1400170	157.0073	5.115085	65.34507	.1556959	-.014680
#2	.1378097	159.2546	5.181648	66.12215	.1548714	-.014017
#3	.1359574	157.8773	5.140542	65.72368	.1543063	-.014813

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7487695	.1398471	.6569571	6.923183	6.325766	.6719958
Stddev	.0569628	.0009886	.0029504	.022865	.001021	.0059383
%RSD	7.607516	.7069520	.4490966	.3302666	.0161446	.8836800
#1	.7615454	.1409354	.6574689	6.899630	6.325042	.6666353
#2	.6865037	.1396017	.6537843	6.945291	6.325323	.6783790
#3	.7982595	.1390043	.6596180	6.924629	6.326935	.6709730

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-07 Acquired: 1/12/2025 17:59:55 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMS0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020108	.8355111	F 19.59823	.0095645	.9510977	.1037327
Stddev	.0000609	.0032005	.05678	.0005810	.0007956	.0014652
%RSD	3.029030	.3830601	.2897366	6.074470	.0836468	1.412513
#1	.0020698	.8326729	19.64012	.0099392	.9516836	.1024949
#2	.0019482	.8389800	19.62096	.0098592	.9501920	.1053505
#3	.0020143	.8348804	19.53360	.0088953	.9514176	.1033526

Elem	Sr4077
Units	ppm
Avg	.2362316
Stddev	.0018900
%RSD	.8000808
#1	.2347153
#2	.2383491
#3	.2356305

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3022.974	69466.81	9998.566	3300.958	3369.694
Stddev	4.788	110.18	44.223	11.424	3.991
%RSD	.1583771	.1586032	.4422921	.3460950	.1184276
#1	3018.192	69517.81	9950.504	3290.429	3365.231
#2	3022.961	69340.37	10037.54	3313.105	3370.931
#3	3027.768	69542.24	10007.66	3299.340	3372.919

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-08 Acquired: 1/12/2025 18:03:53 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN06 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0705938	-.003027	1.186957	.0238628	-.001292	52.06223
Stddev	.0017912	.000933	.000804	.0046303	.001162	.27579
%RSD	2.537374	30.82005	.0677145	19.40368	89.94326	.5297401
#1	.0714308	-.002432	1.186878	.0280865	-.002563	52.13490
#2	.0718133	-.004102	1.187797	.0245900	-.001031	52.29442
#3	.0685373	-.002547	1.186195	.0189120	-.000283	51.75738

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7845671	.0035774	.0063187	131.9368	.1175119	.0656029
Stddev	.0060687	.0000614	.0000580	.6957	.0003994	.0005460
%RSD	.7735037	1.715076	.9179316	.5273066	.3398920	.8322913
#1	.7858869	.0036369	.0063566	132.0549	.1173460	.0654327
#2	.7898672	.0035144	.0063476	132.5660	.1179676	.0662138
#3	.7779471	.0035809	.0062519	131.1897	.1172222	.0651624

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3227504	121.7956	6.382161	49.23428	.1812769	-.009878
Stddev	.0016721	.6162	.036137	.23800	.0002828	.000501
%RSD	.5180756	.5058907	.5662138	.4833976	.1560204	5.072899
#1	.3213846	121.8969	6.385488	49.20274	.1809647	-.009438
#2	.3246152	122.3547	6.416519	49.48647	.1813501	-.009773
#3	.3222514	121.1350	6.344476	49.01362	.1815160	-.010423

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6249927	.1254022	1.300381	7.218596	9.446195	.5320292
Stddev	.0608231	.0019498	.001504	.046314	.020099	.0036989
%RSD	9.731812	1.554841	.1156507	.6415876	.2127757	.6952436
#1	.6584663	.1231536	1.300393	7.208379	9.426057	.5323568
#2	.6617265	.1266245	1.301880	7.269164	9.446271	.5355534
#3	.5547855	.1264285	1.298872	7.178243	9.466256	.5281773

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-08 Acquired: 1/12/2025 18:03:53 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN06 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0069896	4.294637	F 20.47334	.0515088	.8405332	.0669788
Stddev	.0000844	.012478	.02261	.0005273	.0017355	.0010888
%RSD	1.207704	.2905390	.1104221	1.023673	.2064808	1.625528
#1	.0070859	4.302251	20.49037	.0520691	.8408885	.0662145
#2	.0069545	4.301422	20.44769	.0514351	.8386476	.0682254
#3	.0069284	4.280237	20.48197	.0510223	.8420637	.0664964

Elem	Sr4077
Units	ppm
Avg	.1598705
Stddev	.0011062
%RSD	.6919503
#1	.1604380
#2	.1605777
#3	.1585957

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2978.032	68674.06	9815.727	3245.680	3450.695
Stddev	2.024	168.26	49.156	7.453	4.432
%RSD	.0679619	.2450137	.5007918	.2296269	.1284284
#1	2976.345	68661.24	9832.002	3239.832	3452.378
#2	2977.476	68512.57	9854.683	3243.138	3445.668
#3	2980.276	68848.36	9760.498	3254.072	3454.038

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-09 Acquired: 1/12/2025 18:07:48 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN07 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0694850**	**-.002459**	**1.098245**	**.0203826**	**.0010391**	**48.33467**
Stddev	.0019850	.001201	.002665	.0014017	.0018335	.09047
%RSD	2.856798	48.83826	.2426854	6.877156	176.4475	.1871727
#1	.0674662	-.003414	1.095705	.0213873	.0017843	48.24548
#2	.0695542	-.002853	1.098011	.0209793	.0023827	48.33216
#3	.0714345	-.001111	1.101020	.0187813	-.001050	48.42637

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7462606**	**.0035123**	**.0068170**	**291.8077**	**.1193211**	**.0619532**
Stddev	.0020269	.0000099	.0001007	2.1417	.0004412	.0002273
%RSD	.2716086	.2828847	1.476961	.7339454	.3697620	.3668983
#1	.7459297	.0035055	.0068196	293.8240	.1190054	.0617868
#2	.7484326	.0035077	.0067150	289.5594	.1198252	.0618606
#3	.7444196	.0035237	.0069163	292.0397	.1191325	.0622122

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2703325**	**119.9565**	**6.200752**	**52.53499**	**.1594262**	**-.009878**
Stddev	.0025347	.1135	.009886	.07113	.0006082	.000703
%RSD	.9376094	.0946011	.1594344	.1354005	.3815212	7.117217
#1	.2717559	119.8767	6.210191	52.59288	.1587665	-.010492
#2	.2674061	119.9063	6.201594	52.45559	.1595476	-.009111
#3	.2718356	120.0864	6.190472	52.55652	.1599646	-.010032

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7618645**	**.1206660**	**1.122566**	**5.552649**	**8.053032**	**.5192034**
Stddev	.0789050	.0015836	.005888	.059214	.030861	.0001517
%RSD	10.35683	1.312360	.5245432	1.066418	.3832227	.0292133
#1	.7516941	.1224931	1.120153	5.574132	8.020560	.5190324
#2	.8453615	.1198155	1.129278	5.485691	8.081980	.5193217
#3	.6885378	.1196894	1.118268	5.598122	8.056556	.5192562

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-09 Acquired: 1/12/2025 18:07:48 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN07 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058682	3.437372	F 19.52605	.0512406	.7409155	.0684443
Stddev	.0000296	.020438	.11083	.0007641	.0018045	.0004797
%RSD	.5036336	.5945681	.5675910	1.491239	.2435493	.7008359
#1	.0059007	3.413783	19.65319	.0518588	.7428093	.0679736
#2	.0058429	3.449784	19.47508	.0514768	.7407212	.0689325
#3	.0058611	3.448548	19.44987	.0503863	.7392160	.0684267

Elem	Sr4077
Units	ppm
Avg	.2183707
Stddev	.0002970
%RSD	.1359890
#1	.2181425
#2	.2182632
#3	.2187065

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2924.345	66883.27	9666.132	3176.778	3318.294
Stddev	4.659	112.65	42.938	10.969	10.700
%RSD	.1593307	.1684287	.4442136	.3452999	.3224442
#1	2929.398	66852.25	9623.453	3185.172	3330.587
#2	2920.218	67008.19	9709.325	3164.366	3311.078
#3	2923.419	66789.39	9665.617	3180.795	3313.216

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-09 Acquired: 1/12/2025 18:11:52 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNJ4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0884088**	**-.007166**	**.5764883**	**.0319526**	**-.001835**	**49.84522**
Stddev	.0029690	.001580	.0009881	.0008810	.001956	.05097
%RSD	3.358289	22.04313	.1713977	2.757142	106.6073	.1022580
#1	.0850813	-.008847	.5758670	.0323406	-.003164	49.80994
#2	.0907873	-.006939	.5776277	.0325731	-.002753	49.82207
#3	.0893579	-.005713	.5759703	.0309443	.000411	49.90366

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.318380**	**.0046272**	**.0065775**	**114.5497**	**.1595664**	**.0838076**
Stddev	.002186	.0000962	.0000278	.0804	.0001632	.0009197
%RSD	.1657974	2.078917	.4226882	.0701519	.1022713	1.097378
#1	1.316809	.0045315	.0065975	114.5039	.1594369	.0842272
#2	1.317454	.0047238	.0065892	114.5028	.1597497	.0844426
#3	1.320876	.0046263	.0065457	114.6425	.1595127	.0827529

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2886967**	**155.3767**	**10.94896**	**26.69138**	**.1371356**	**-.011766**
Stddev	.0015868	.0861	.01231	.07670	.0007064	.000451
%RSD	.5496614	.0553883	.1124609	.2873674	.5150966	3.835850
#1	.2868961	155.2860	10.93673	26.66332	.1365777	-.011758
#2	.2893029	155.3871	10.94880	26.63265	.1379298	-.012221
#3	.2898910	155.4571	10.96135	26.77816	.1368992	-.011318

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9612576**	**.1399275**	**.8545324**	**5.281480**	F **10.30569**	**.6572165**
Stddev	.0870572	.0018108	.0012755	.025692	.00904	.0007798
%RSD	9.056595	1.294067	.1492568	.4864564	.0877657	.1186452
#1	1.020173	.1393161	.8543829	5.260732	10.30262	.6572734
#2	.861261	.1419648	.8558760	5.273490	10.31587	.6564098
#3	1.002338	.1385016	.8533383	5.310218	10.29858	.6579662

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-09 Acquired: 1/12/2025 18:11:52 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNJ4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0074117	1.829299	F 22.98761	.0257084	.6868309	.0695393
Stddev	.0004176	.005318	.04164	.0006092	.0014321	.0005811
%RSD	5.633713	.2907336	.1811497	2.369472	.2085044	.8356728
#1	.0075321	1.823784	23.03567	.0263599	.6864775	.0689074
#2	.0069472	1.834396	22.96219	.0256122	.6884065	.0696599
#3	.0077559	1.829716	22.96497	.0251530	.6856085	.0700507

Elem	Sr4077
Units	ppm
Avg	.2124681
Stddev	.0003759
%RSD	.1768992
#1	.2121414
#2	.2123839
#3	.2128789

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3167.133	73063.40	10474.53	3490.116	3446.607
Stddev	2.289	76.76	36.10	7.543	3.554
%RSD	.0722670	.1050547	.3446571	.2161282	.1031191
#1	3169.415	73081.30	10451.45	3484.287	3450.252
#2	3167.145	72979.28	10456.00	3487.425	3446.416
#3	3164.838	73129.63	10516.13	3498.635	3443.151

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-10 Acquired: 1/12/2025 18:15:49 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNF5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0527926**	**-.003680**	**.5001555**	**.0234830**	**-.002777**	**48.07375**
Stddev	.0020342	.001385	.0022475	.0016938	.001669	.38871
%RSD	3.853169	37.62976	.4493634	7.212710	60.08283	.8085636
#1	.0509341	-.005041	.5015424	.0227983	-.004689	48.51266
#2	.0549658	-.003726	.5013618	.0254120	-.001612	47.93560
#3	.0524779	-.002273	.4975624	.0222388	-.002031	47.77298

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.012706**	**.0033206**	**.0049544**	**128.3054**	**.1425305**	**.0708132**
Stddev	.012056	.0000177	.0001599	1.2629	.0015915	.0003632
%RSD	1.190480	.5335908	3.227106	.9842829	1.116581	.5129333
#1	1.026226	.0033218	.0047934	129.7631	.1443648	.0705724
#2	1.008817	.0033376	.0051132	127.6119	.1415169	.0712310
#3	1.003074	.0033023	.0049566	127.5413	.1417099	.0706362

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2762052**	**124.1560**	**7.896803**	**37.39149**	**.1372491**	**-.009521**
Stddev	.0007837	1.0662	.108385	.42102	.0006725	.000414
%RSD	.2837449	.8587945	1.372515	1.125966	.4899718	4.347435
#1	.2768963	125.3731	8.021883	37.87680	.1380255	-.009772
#2	.2763658	123.7088	7.830590	37.17346	.1368691	-.009747
#3	.2753537	123.3862	7.837936	37.12420	.1368526	-.009043

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7847180**	**.1172500**	**.7602419**	**5.243433**	**7.524353**	**.5282293**
Stddev	.2715733	.0006644	.0103481	.061037	.006868	.0050324
%RSD	34.60776	.5666611	1.361158	1.164066	.0912745	.9526928
#1	.6685818	.1178370	.7721307	5.311148	7.531716	.5340376
#2	1.095049	.1173843	.7553349	5.192648	7.523220	.5254760
#3	.590524	.1165287	.7532602	5.226504	7.518122	.5251743

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-10 Acquired: 1/12/2025 18:15:49 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNF5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038664	3.206435	F 22.34694	.0228557	.7499138	.0725889
Stddev	.0000554	.003495	.12353	.0006895	.0029796	.0016808
%RSD	1.432649	.1089892	.5527776	3.016949	.3973274	2.315554
#1	.0039271	3.210084	22.47527	.0229532	.7527615	.0745042
#2	.0038538	3.203118	22.22885	.0234913	.7501623	.0719036
#3	.0038185	3.206103	22.33669	.0221226	.7468178	.0713591

Elem	Sr4077
Units	ppm
Avg	.1683176
Stddev	.0011121
%RSD	.6607323
#1	.1695516
#2	.1680083
#3	.1673928

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3089.933	71050.16	10119.55	3388.118	3430.409
Stddev	3.409	718.95	33.50	45.583	7.684
%RSD	.1103371	1.011890	.3310667	1.345378	.2240008
#1	3087.064	70234.14	10094.26	3335.539	3422.414
#2	3089.035	71590.36	10157.54	3412.312	3431.073
#3	3093.702	71325.98	10106.83	3416.503	3437.739

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-11 Acquired: 1/12/2025 18:19:44 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNF6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0492069**	**-.001072**	**.2074428**	**.0180696**	**-.001124**	**38.26132**
Stddev	.0016942	.000942	.0011423	.0038327	.000523	.17463
%RSD	3.443074	87.86442	.5506477	21.21092	46.57248	.4564131
#1	.0474179	-.001813	.2081830	.0215300	-.000706	38.06219
#2	.0507870	-.001393	.2061273	.0187288	-.000955	38.38837
#3	.0494159	-.000012	.2080182	.0139500	-.001711	38.33341

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5457485**	**.0023613**	**.0046324**	**252.1821**	**.1163555**	**.0813072**
Stddev	.0020751	.0000314	.0000519	.9967	.0004161	.0001604
%RSD	.3802324	1.330533	1.121184	.3952415	.3575767	.1973225
#1	.5436652	.0023267	.0046532	251.1570	.1160484	.0812931
#2	.5478153	.0023882	.0046707	253.1478	.1161891	.0814742
#3	.5457651	.0023688	.0045732	252.2414	.1168290	.0811542

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2159509**	**101.1513**	**2.929911**	**62.95808**	**.1293270**	**-.009633**
Stddev	.0019473	.4594	.015275	.36318	.0005150	.000202
%RSD	.9017095	.4541312	.5213329	.5768526	.3982088	2.097798
#1	.2145065	100.6274	2.916465	62.60113	.1292498	-.009861
#2	.2181654	101.4851	2.946519	63.32717	.1298762	-.009560
#3	.2151808	101.3414	2.926750	62.94594	.1288549	-.009477

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.168532**	**.1046212**	**.5156945**	**4.454106**	**7.188230**	**.4344438**
Stddev	.223789	.0012694	.0017105	.106114	.015736	.0028001
%RSD	19.15130	1.213307	.3316854	2.382383	.2189084	.6445283
#1	1.372963	.1040280	.5170541	4.355905	7.170622	.4312673
#2	1.203201	.1060786	.5162554	4.566670	7.193150	.4365544
#3	.929431	.1037571	.5137740	4.439743	7.200918	.4355097

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-11 Acquired: 1/12/2025 18:19:44 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNF6 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0029617	8.271228	F 18.98440	.0079566	.9135112	.0664228
Stddev	.0002805	.026755	.07233	.0000967	.0020311	.0008636
%RSD	9.470421	.3234726	.3809727	1.215918	.2223418	1.300160
#1	.0031461	8.250509	19.00683	.0079321	.9135051	.0674002
#2	.0026389	8.261741	19.04285	.0078745	.9155454	.0657630
#3	.0031002	8.301433	18.90351	.0080633	.9114832	.0661052

Elem	Sr4077
Units	ppm
Avg	.2817204
Stddev	.0013186
%RSD	.4680437
#1	.2801994
#2	.2824206
#3	.2825412

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3025.158	70263.06	10145.56	3335.067	3282.812
Stddev	2.503	229.53	40.86	10.048	5.677
%RSD	.0827488	.3266761	.4027033	.3012850	.1729272
#1	3024.174	70473.50	10109.59	3336.207	3281.809
#2	3023.297	70018.30	10137.10	3324.497	3277.703
#3	3028.004	70297.37	10189.98	3344.496	3288.923

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-12 Acquired: 1/12/2025 18:23:42 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0678945**	**-.001709**	**2.281392**	**.0256581**	**.0041669**	**51.08142**
Stddev	.0005009	.001442	.003534	.0035543	.0037353	.45398
%RSD	.7377031	84.40708	.1548950	13.85245	89.64221	.8887371
#1	.0674598	-.002478	2.279376	.0292111	.0051494	51.00687
#2	.0684422	-.002604	2.279328	.0256606	.0000385	51.56806
#3	.0677815	-.000045	2.285472	.0221025	.0073127	50.66933

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.359168**	**.0028011**	**.0167252**	**98.65929**	**.1435543**	**.0472831**
Stddev	.008241	.0000399	.0000171	.68126	.0001222	.0003685
%RSD	.6063229	1.424656	.1023296	.6905136	.0850937	.7794011
#1	1.357987	.0027551	.0167202	98.49186	.1434499	.0472632
#2	1.367935	.0028251	.0167112	99.40865	.1435243	.0469250
#3	1.351580	.0028233	.0167443	98.07736	.1436886	.0476612

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3055388**	**114.9929**	**3.413288**	**36.51995**	**.1458936**	**-.008533**
Stddev	.0032097	1.0170	.018424	.28887	.0004362	.000179
%RSD	1.050511	.8844153	.5397742	.7910021	.2989897	2.095485
#1	.3018330	114.6222	3.408450	36.44963	.1461762	-.008580
#2	.3074429	116.1433	3.433649	36.83749	.1453913	-.008335
#3	.3073406	114.2133	3.397766	36.27272	.1461134	-.008684

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8950600**	**.1254699**	**4.363510**	**5.637087**	F **10.97344**	**.4993871**
Stddev	.1049152	.0024182	.010406	.060121	.02625	.0053737
%RSD	11.72158	1.927274	.2384703	1.066524	.2392100	1.076062
#1	.9484801	.1262919	4.369615	5.637117	10.99209	.4985662
#2	.7741856	.1227479	4.369420	5.697192	10.94342	.5051240
#3	.9625142	.1273699	4.351495	5.576951	10.98481	.4944711

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-12 Acquired: 1/12/2025 18:23:42 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL2 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0067289	5.919628	F 22.40167	.0740085	.8537629	.0549598
Stddev	.0002409	.007344	.11222	.0006977	.0042323	.0003670
%RSD	3.579789	.1240683	.5009495	.9426874	.4957280	.6676611
#1	.0070031	5.926844	22.35349	.0744182	.8514442	.0546520
#2	.0065517	5.912162	22.32159	.0744042	.8511966	.0548615
#3	.0066317	5.919878	22.52994	.0732029	.8586479	.0553659

Elem	Sr4077
Units	ppm
Avg	.2292099
Stddev	.0023823
%RSD	1.039337
#1	.2287025
#2	.2318050
#3	.2271223

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2837.455	66914.75	9459.234	3155.898	3455.854
Stddev	6.914	224.90	53.679	22.113	3.701
%RSD	.2436565	.3361008	.5674721	.7006816	.1071081
#1	2845.333	66946.20	9477.527	3146.022	3456.742
#2	2832.398	66675.77	9501.375	3140.444	3459.031
#3	2834.634	67122.26	9398.800	3181.228	3451.789

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-13 Acquired: 1/12/2025 18:27:39 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0912771	-.003919	2.521246	.0428216	.0035945	69.14456
Stddev	.0012331	.000673	.003109	.0018135	.0006009	.33248
%RSD	1.350886	17.17941	.1233286	4.234900	16.71724	.4808543
#1	.0900934	-.004010	2.524690	.0411181	.0041728	68.82108
#2	.0911837	-.003205	2.520404	.0426189	.0036372	69.48537
#3	.0925542	-.004542	2.518645	.0447279	.0029733	69.12722

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.905717	.0036729	.0157130	125.7372	.1773966	.0671495
Stddev	.008931	.0000972	.0001468	.6122	.0002260	.0003839
%RSD	.4686241	2.646547	.9340141	.4869200	.1274133	.5717519
#1	1.902530	.0037790	.0158776	125.3569	.1775047	.0675892
#2	1.915803	.0035880	.0155958	126.4435	.1775483	.0668806
#3	1.898816	.0036519	.0156656	125.4113	.1771368	.0669787

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3562009	195.6268	5.875616	46.06000	.1755086	-.014812
Stddev	.0014911	.9749	.028720	.18122	.0007908	.000346
%RSD	.4185979	.4983517	.4888012	.3934354	.4505746	2.337717
#1	.3563728	194.8727	5.866786	45.99632	.1764134	-.014671
#2	.3546313	196.7277	5.907715	46.26445	.1749497	-.014559
#3	.3575985	195.2801	5.852349	45.91921	.1751625	-.015207

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.027754	.1968098	3.655185	4.389995	F 11.14692	.8292287
Stddev	.058109	.0013380	.004207	.033200	.00205	.0057789
%RSD	5.653973	.6798346	.1150999	.7562624	.0183912	.6969066
#1	1.085583	.1955119	3.656994	4.351912	11.14767	.8254505
#2	.969369	.1967330	3.658186	4.405230	11.14460	.8358812
#3	1.028309	.1981845	3.650377	4.412844	11.14848	.8263543

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-13 Acquired: 1/12/2025 18:27:39 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL3 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0091425	5.621665	F 24.25625	.0857789	.9632954	.0702309
Stddev	.0003231	.017171	.04997	.0015064	.0015430	.0007706
%RSD	3.534082	.3054427	.2060261	1.756161	.1601839	1.097232
#1	.0090303	5.606672	24.31369	.0845881	.9625755	.0694729
#2	.0088904	5.640397	24.23227	.0874724	.9650668	.0710135
#3	.0095068	5.617925	24.22278	.0852762	.9622438	.0702063

Elem	Sr4077
Units	ppm
Avg	.2710072
Stddev	.0013450
%RSD	.4963035
#1	.2695766
#2	.2722460
#3	.2711991

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2900.618	67003.70	9780.164	3179.347	3463.483
Stddev	3.198	223.55	24.405	11.024	1.450
%RSD	.1102471	.3336435	.2495405	.3467495	.0418692
#1	2899.917	67115.94	9753.820	3189.194	3465.138
#2	2904.108	66746.27	9802.004	3167.437	3462.874
#3	2897.829	67148.90	9784.667	3181.410	3462.436

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-14 Acquired: 1/12/2025 18:31:33 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1274117	-.004227	3.946671	.0789578	.0055325	52.94733
Stddev	.0030400	.002362	.014994	.0016111	.0012990	.18334
%RSD	2.385929	55.88364	.3799274	2.040514	23.48017	.3462637
#1	.1261075	-.003056	3.941151	.0773934	.0057742	53.13143
#2	.1308861	-.002679	3.963643	.0806119	.0041295	52.94580
#3	.1252414	-.006946	3.935219	.0788681	.0066936	52.76476

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.913811	.0025029	.0320383	146.5364	.2160939	.0694082
Stddev	.005128	.0000293	.0000986	.3595	.0009235	.0004480
%RSD	.1759726	1.170720	.3078882	.2452977	.4273435	.6454458
#1	2.918410	.0025285	.0320862	146.9514	.2171546	.0688913
#2	2.908282	.0024710	.0321038	146.3329	.2156582	.0696831
#3	2.914740	.0025093	.0319248	146.3248	.2154688	.0696502

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5252175	404.1007	5.355818	53.13428	.2189077	-.037114
Stddev	.0027155	.3632	.008478	.13168	.0011555	.000221
%RSD	.5170280	.0898674	.1582984	.2478335	.5278373	.5964480
#1	.5279306	403.7025	5.360590	53.28491	.2180248	-.037343
#2	.5224996	404.4137	5.346029	53.07696	.2202155	-.036901
#3	.5252224	404.1859	5.360834	53.04096	.2184828	-.037098

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.376043	.1373333	5.861122	3.680855	F 11.77572	1.663783
Stddev	.183627	.0020056	.005730	.020479	.04853	.001862
%RSD	13.34454	1.460415	.0977564	.5563539	.4120777	.1119370
#1	1.269508	.1360911	5.859104	3.685665	11.72219	1.665267
#2	1.270545	.1396472	5.856674	3.658400	11.81681	1.664388
#3	1.588076	.1362617	5.867588	3.698500	11.78817	1.661693

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-14 Acquired: 1/12/2025 18:31:33 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0115396	5.885429	F 23.90905	.1336183	.8523177	.0699764
Stddev	.0001549	.018558	.06219	.0015022	.0022374	.0015507
%RSD	1.342369	.3153294	.2601087	1.124220	.2625083	2.216049
#1	.0116244	5.866906	23.86575	.1339387	.8498075	.0697232
#2	.0113608	5.904023	23.88108	.1349344	.8530433	.0716381
#3	.0116336	5.885358	23.98031	.1319817	.8541022	.0685678

Elem	Sr4077
Units	ppm
Avg	.3293284
Stddev	.0020543
%RSD	.6237777
#1	.3314715
#2	.3291376
#3	.3273762

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2772.712	66389.36	9496.507	3114.105	3350.421
Stddev	6.996	92.45	38.386	5.437	15.522
%RSD	.2523035	.1392558	.4042079	.1745964	.4632881
#1	2778.832	66356.54	9528.305	3120.293	3363.451
#2	2765.086	66493.74	9507.350	3111.933	3333.248
#3	2774.219	66317.80	9453.866	3110.090	3354.564

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-15 Acquired: 1/12/2025 18:35:35 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1405266**	**-.002399**	**5.732639**	**.0340091**	**.0160638**	**50.03617**
Stddev	.0012845	.000913	.045654	.0020790	.0004311	.25885
%RSD	.9140782	38.05419	.7963800	6.113114	2.683806	.5173280
#1	.1396925	-.001662	5.691593	.0356316	.0155697	49.84279
#2	.1420058	-.002114	5.781809	.0347301	.0163636	49.93548
#3	.1398814	-.003420	5.724513	.0316655	.0162580	50.33024

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.962813**	**.0050093**	**.0221113**	**89.94323**	**.2018504**	**.0760856**
Stddev	.004786	.0001718	.0000990	.12133	.0006737	.0007060
%RSD	.1615384	3.430210	.4478986	.1348961	.3337619	.9279657
#1	2.967248	.0050689	.0221133	89.86668	.2013828	.0754115
#2	2.957740	.0048156	.0222093	89.87989	.2026226	.0768198
#3	2.963452	.0051434	.0220113	90.08312	.2015458	.0760256

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7199393**	**166.9214**	**6.248574**	**22.34576**	**.1885668**	**-.011613**
Stddev	.0105117	.7457	.015616	.05448	.0015438	.000365
%RSD	1.460074	.4467247	.2499145	.2438081	.8186958	3.145026
#1	.7231863	166.3164	6.263029	22.32063	.1877417	-.012034
#2	.7081873	166.6933	6.232011	22.30839	.1903478	-.011380
#3	.7284444	167.7545	6.250681	22.40827	.1876109	-.011424

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.706566**	**.1539622**	**5.364926**	**4.379391**	F **14.49209**	**.7138153**
Stddev	.079284	.0009097	.018928	.033272	.11580	.0023824
%RSD	4.645850	.5908618	.3528177	.7597456	.7990660	.3337519
#1	1.757563	.1540335	5.350734	4.342617	14.39324	.7115207
#2	1.746912	.1530189	5.357626	4.388148	14.61950	.7136487
#3	1.615223	.1548342	5.386417	4.407410	14.46353	.7162767

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-15 Acquired: 1/12/2025 18:35:35 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0105364	3.590218	F 21.86253	.3037476	.8670286	.0761192
Stddev	.0002534	.032916	.34499	.0021288	.0152674	.0002869
%RSD	2.404962	.9168358	1.578010	.7008382	1.760893	.3768804
#1	.0104251	3.556433	22.14073	.3031972	.8787278	.0760888
#2	.0103578	3.622191	21.47650	.3060975	.8497579	.0764200
#3	.0108264	3.592031	21.97035	.3019480	.8726001	.0758487

Elem	Sr4077
Units	ppm
Avg	.4236457
Stddev	.0030662
%RSD	.7237623
#1	.4208467
#2	.4231675
#3	.4269229

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2982.215	70559.05	9944.082	3338.964	3402.548
Stddev	14.768	41.89	132.702	10.621	23.014
%RSD	.4951988	.0593678	1.334483	.3180994	.6763704
#1	2992.149	70581.53	9832.433	3345.817	3418.632
#2	2965.245	70510.72	10090.80	3344.346	3376.186
#3	2989.251	70584.89	9909.02	3326.729	3412.826

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-16 Acquired: 1/12/2025 18:39:29 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0434585**	**-.007954**	**.3215607**	**.0145628**	**-.001497**	**52.25783**
Stddev	.0015657	.001353	.0024564	.0020578	.001230	.25259
%RSD	3.602645	17.00540	.7638885	14.13049	82.17122	.4833468
#1	.0416569	-.008678	.3206592	.0127442	-.001930	51.97343
#2	.0444898	-.008790	.3196824	.0141477	-.000109	52.45603
#3	.0442288	-.006393	.3243404	.0167965	-.002454	52.34404

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6832576**	**.0040050**	**.0055433**	**638.7595**	**.1093102**	**.0840050**
Stddev	.0027335	.0000730	.0000797	1.9993	.0001960	.0001972
%RSD	.4000691	1.823656	1.438245	.3129994	.1792770	.2347102
#1	.6801758	.0040029	.0056113	636.6941	.1092465	.0841601
#2	.6853892	.0040790	.0054556	640.6854	.1091540	.0840717
#3	.6842079	.0039330	.0055629	638.8992	.1095301	.0837831

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2243527**	**127.0906**	**13.13629**	**128.4466**	**.1513694**	**-.012056**
Stddev	.0012055	.4910	.02787	.5252	.0001742	.000351
%RSD	.5373295	.3863183	.2121615	.4089113	.1150539	2.913508
#1	.2230325	126.5558	13.10608	127.8537	.1511706	-.012248
#2	.2246308	127.5209	13.16100	128.8538	.1514949	-.012269
#3	.2253949	127.1950	13.14178	128.6322	.1514427	-.011650

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.385982**	**.1391096**	**.5363407**	**8.245992**	**6.727538**	**.5469213**
Stddev	.232658	.0006013	.0012804	.025129	.011030	.0035391
%RSD	16.78648	.4322497	.2387329	.3047454	.1639585	.6470946
#1	1.524167	.1387374	.5362458	8.229972	6.732043	.5432050
#2	1.516410	.1387879	.5376659	8.274954	6.714969	.5502516
#3	1.117370	.1398033	.5351104	8.233048	6.735603	.5473073

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-16 Acquired: 1/12/2025 18:39:29 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL6 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0038797**	**1.021884**	F **21.18550**	**.0034139**	**1.187678**	**.0998456**
Stddev	.0003613	.004510	.09407	.0015620	.002833	.0003483
%RSD	9.313614	.4413385	.4440231	45.75410	.2385345	.3488414
#1	.0037492	1.025377	21.23327	.0016217	1.190630	.0999508
#2	.0036018	1.023483	21.07713	.0041348	1.184981	.0994568
#3	.0042882	1.016792	21.24610	.0044853	1.187425	.1001292

Elem	Sr4077
Units	ppm
Avg	**.5403456**
Stddev	.0027456
%RSD	.5081149
#1	.5373384
#2	.5427184
#3	.5409800

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2813.416**	**67109.04**	**9669.613**	**3165.168**	**2980.819**
Stddev	4.052	131.98	33.814	9.746	1.840
%RSD	.1440082	.1966713	.3496934	.3079276	.0617276
#1	2809.392	67235.12	9636.395	3174.610	2979.823
#2	2813.360	66971.85	9703.993	3155.143	2982.943
#3	2817.495	67120.16	9668.449	3165.753	2979.692

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-20 Acquired: 1/12/2025 18:43:36 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0603406	-.010093	.1365869	.0196678	-.000202	48.70553
Stddev	.0015583	.002757	.0015263	.0016639	.000313	.39836
%RSD	2.582511	27.31438	1.117480	8.460038	155.0352	.8178955
#1	.0600883	-.011501	.1377590	.0215021	-.000155	49.16524
#2	.0589239	-.011861	.1371407	.0192458	-.000535	48.48934
#3	.0620097	-.006916	.1348610	.0182555	.000085	48.46200

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8500614	.0040179	.0062474	711.3941	.1141970	.0753171
Stddev	.0070254	.0000688	.0001014	4.8855	.0003999	.0004777
%RSD	.8264622	1.711182	1.622466	.6867554	.3501647	.6342604
#1	.8577394	.0040002	.0061328	713.8496	.1143265	.0757482
#2	.8484902	.0039598	.0063251	714.5648	.1145160	.0753996
#3	.8439545	.0040938	.0062844	705.7679	.1137484	.0748035

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2255044	149.9984	15.17645	109.2207	.1446571	-.012944
Stddev	.0032517	1.0715	.11282	.6172	.0004438	.000411
%RSD	1.441976	.7143706	.7434127	.5650748	.3068073	3.174655
#1	.2279897	151.2351	15.29424	109.9245	.1444195	-.012495
#2	.2218243	149.4123	15.16576	108.9657	.1443826	-.013300
#3	.2266991	149.3477	15.06936	108.7719	.1451691	-.013038

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.244465	.1255703	.5593411	8.429532	5.175384	.6504073
Stddev	.297881	.0015497	.0014435	.132333	.024752	.0060401
%RSD	23.93650	1.234114	.2580747	1.569876	.4782619	.9286641
#1	1.118343	.1248368	.5605891	8.554888	5.203720	.6572722
#2	1.030391	.1273506	.5577602	8.291181	5.157980	.6480417
#3	1.584659	.1245237	.5596738	8.442527	5.164451	.6459081

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-20 Acquired: 1/12/2025 18:43:36 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043531	1.128751	F 22.15965	.0016970	.6419750	.0920098
Stddev	.0001438	.006788	.07926	.0020010	.0020113	.0013482
%RSD	3.303330	.6014024	.3576917	117.9167	.3133050	1.465307
#1	.0043056	1.134187	22.08703	.0022984	.6410962	.0934515
#2	.0045147	1.121142	22.24420	.0033283	.6442762	.0907801
#3	.0042391	1.130926	22.14772	-.000536	.6405527	.0917979

Elem	Sr4077
Units	ppm
Avg	.6708219
Stddev	.0063029
%RSD	.9395819
#1	.6780786
#2	.6667126
#3	.6676743

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2767.956	65312.27	9642.380	3108.812	2957.439
Stddev	4.097	237.48	60.641	6.268	7.347
%RSD	.1480101	.3636102	.6288960	.2016326	.2484085
#1	2764.533	65055.70	9707.560	3103.767	2949.195
#2	2772.495	65356.73	9587.632	3115.829	2963.291
#3	2766.840	65524.38	9631.949	3106.838	2959.833

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-21 Acquired: 1/12/2025 18:47:42 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1322473**	**-.009169**	**.4379246**	**.0423784**	**-.004271**	**71.25182**
Stddev	.0018911	.001583	.0013744	.0034492	.002208	.47248
%RSD	1.429993	17.26426	.3138426	8.139057	51.70910	.6631150
#1	.1305715	-.008620	.4363959	.0435089	-.004418	71.79541
#2	.1342977	-.010954	.4390583	.0451206	-.006401	70.93979
#3	.1318728	-.007934	.4383194	.0385059	-.001992	71.02025

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.581754**	**.0058228**	**.0128762**	**42.15600**	**.1314760**	**.1395033**
Stddev	.016427	.0000070	.0000927	.35445	.0002143	.0008651
%RSD	1.038499	.1207795	.7201737	.8408042	.1630211	.6201238
#1	1.600546	.0058259	.0127723	42.56381	.1312582	.1399690
#2	1.574594	.0058278	.0129506	41.92208	.1314832	.1400359
#3	1.570123	.0058148	.0129057	41.98210	.1316866	.1385052

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2403226**	**207.9538**	**14.51848**	**20.01441**	**.1990458**	**-.014330**
Stddev	.0013282	1.4257	.12887	.15792	.0011280	.000538
%RSD	.5526861	.6855906	.8876446	.7890488	.5666864	3.754843
#1	.2402774	209.5894	14.66720	20.19489	.1993282	-.013722
#2	.2416728	206.9740	14.43967	19.90154	.2000057	-.014524
#3	.2390175	207.2980	14.44856	19.94681	.1978034	-.014745

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9322488**	**.1649568**	**1.519616**	**5.510201**	**7.949710**	**.8595997**
Stddev	.0522535	.0025255	.003612	.048019	.014079	.0084580
%RSD	5.605103	1.531011	.2377172	.8714538	.1770975	.9839524
#1	.8782096	.1658304	1.515474	5.565388	7.960741	.8693410
#2	.9825117	.1621104	1.521260	5.487260	7.954538	.8541206
#3	.9360250	.1669295	1.522114	5.477956	7.933853	.8553377

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-21 Acquired: 1/12/2025 18:47:42 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038988	1.731697	F 22.40177	.0206961	.7264532	.0768833
Stddev	.0001050	.008157	.05237	.0003245	.0019891	.0009060
%RSD	2.692823	.4710324	.2337627	1.568136	.2738115	1.178374
#1	.0038457	1.739958	22.45868	.0203292	.7287033	.0779031
#2	.0038310	1.731483	22.39101	.0209456	.7257277	.0765756
#3	.0040197	1.723649	22.35562	.0208135	.7249287	.0761713

Elem	Sr4077
Units	ppm
Avg	.1470165
Stddev	.0008449
%RSD	.5747198
#1	.1479921
#2	.1465290
#3	.1465283

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3449.085	80499.70	11357.52	3840.063	3477.585
Stddev	8.354	232.50	48.97	5.822	8.828
%RSD	.2422207	.2888222	.4311312	.1516080	.2538446
#1	3450.510	80280.25	11406.11	3842.267	3475.658
#2	3440.110	80743.36	11358.27	3844.461	3469.881
#3	3456.636	80475.49	11308.18	3833.461	3487.217

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV011 Acquired: 1/12/2025 18:51:37 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV011 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.671328**	**4.508012**	**22.92716**	**4.690383**	**4.645953**	**362.2799**
Stddev	.005835	.029718	.02626	.014143	.001904	2.1348
%RSD	.1249092	.6592363	.1145244	.3015352	.0409768	.5892754
#1	4.672353	4.520734	22.90035	4.702804	4.644460	361.0041
#2	4.665048	4.474051	22.92831	4.674990	4.645303	364.7445
#3	4.676581	4.529253	22.95283	4.693355	4.648097	361.0911

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.339766**	**.5258261**	**2.591379**	**365.0037**	**14.72878**	**2.324038**
Stddev	.073469	.0008836	.002727	4.3446	.04017	.002766
%RSD	.7866273	.1680357	.1052399	1.190288	.2727349	.1190239
#1	9.423656	.5259778	2.590130	366.5625	14.72599	2.321766
#2	9.286883	.5266240	2.589499	368.3538	14.77027	2.323230
#3	9.308760	.5248765	2.594506	360.0947	14.69008	2.327119

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.97000**	**366.3877**	**13.87769**	**230.6436**	**2.318950**	**1.314839**
Stddev	.04000	1.2352	.05878	.9791	.000640	.002251
%RSD	.2863414	.3371305	.4235699	.4245267	.0275988	.1711754
#1	13.92856	365.7377	13.87240	229.9081	2.318334	1.312632
#2	14.00839	367.8121	13.93894	231.7550	2.319611	1.317131
#3	13.97304	365.6131	13.82174	230.2676	2.318906	1.314754

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**365.6051**	**2.276920**	**14.89004**	**136.9998**	**4.562735**	F **5.620782**
Stddev	.5696	.002462	.04152	.3789	.012505	.012015
%RSD	.1558099	.1081160	.2788585	.2766049	.2740732	.2137575
#1	365.2682	2.277336	14.91654	136.7858	4.559272	5.613951
#2	366.2628	2.279147	14.84219	137.4374	4.552326	5.634655
#3	365.2843	2.274277	14.91140	136.7764	4.576607	5.613741

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV011 Acquired: 1/12/2025 18:51:37 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV011 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 4.392978	4.562478	4.574124	4.560187	4.553971	F 4.139289
Stddev	.006442	.009959	.017102	.002307	.007080	.010171
%RSD	.1466379	.2182845	.3738819	.0505887	.1554701	.2457253
#1	4.390168	4.563303	4.587638	4.558552	4.552441	4.138389
#2	4.388418	4.552132	4.579837	4.562826	4.561692	4.149880
#3	4.400347	4.571999	4.554897	4.559183	4.547782	4.129597

Elem	Sr4077
Units	ppm
Avg	4.748569
Stddev	.037648
%RSD	.7928318
#1	4.787699
#2	4.712602
#3	4.745407

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2152.574	52452.25	7985.774	2490.392	2884.709
Stddev	3.211	112.92	17.781	13.814	4.236
%RSD	.1491862	.2152803	.2226563	.5547090	.1468579
#1	2154.850	52414.95	7971.881	2479.328	2888.977
#2	2153.972	52362.70	7979.629	2505.875	2884.645
#3	2148.901	52579.10	8005.812	2485.972	2880.504

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB011 Acquired: 1/12/2025 18:55:56 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB011 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000614**	**.0003645**	**.0004286**	**.0022550**	**.0006301**	**.0009700**	**-.005356**
Stddev	.000521	.0009303	.0008121	.0033134	.0006336	.0007302	.000902
%RSD	84.82408	255.2250	189.4489	146.9364	100.5649	75.28430	16.83423
#1	-.000284	.0001789	.0013562	-.000161	-.000101	.0018073	-.004434
#2	-.000344	.0013736	.0000839	.000894	.000968	.0006370	-.005398
#3	-.001214	-.000459	-.000154	.006032	.001023	.0004655	-.006236

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000053**	**.0000723**	**.0291987**	**.0006447**	**.0000400**	**.0005817**	**.0261216**
Stddev	.000052	.0000230	.0032277	.0001083	.0001285	.0013294	.0009166
%RSD	99.10222	31.82095	11.05421	16.79241	321.5771	228.5466	3.509107
#1	-.000100	.0000923	.0275588	.0006391	-.000099	.0002320	.0268863
#2	-.000061	.0000774	.0271202	.0005393	.000063	.0020509	.0251055
#3	.000003	.0000472	.0329171	.0007556	.000155	-.000538	.0263729

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007289**	**.0176944**	**.0001562**	**.0002557**	**.0349951**	**-.002499**	**.0003895**
Stddev	.0000983	.0057413	.0000515	.0001235	.2459725	.001299	.0002678
%RSD	13.48890	32.44728	32.95850	48.27815	702.8777	52.00272	68.75914
#1	.0008005	.0242701	.0002155	.0003261	-.090145	-.003911	.0002316
#2	.0007693	.0136763	.0001298	.0001132	.318376	-.001354	.0002381
#3	.0006168	.0151368	.0001232	.0003279	-.123246	-.002231	.0006986

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.003611**	**-.001901**	**.0012064**	**.0002862**	**-.001341**	**.0101609**	**.0002836**
Stddev	.051832	.000075	.0004855	.0002992	.000673	.0077318	.0003982
%RSD	1435.321	3.952560	40.24389	104.5472	50.22035	76.09397	140.4075
#1	-.033389	-.001885	.0017047	.0006008	-.000702	.0092145	-.000130
#2	-.033684	-.001983	.0011795	.0000051	-.001276	.0183224	.000664
#3	.056239	-.001835	.0007349	.0002527	-.002044	.0029458	.000317

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB011 Acquired: 1/12/2025 18:55:56 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB011 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0003974	-.002175	.0000715
Stddev	.0004928	.000608	.0000861
%RSD	124.0158	27.97995	120.4617
#1	.0009136	-.001725	.0000864
#2	.0003465	-.001932	.0001492
#3	-.000068	-.002867	-.000021

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2671.185	62465.43	8406.812	2973.936	3768.526
Stddev	22.882	53.05	57.022	6.087	36.390
%RSD	.8566255	.0849191	.6782883	.2046764	.9656413
#1	2652.352	62504.45	8353.328	2971.829	3739.504
#2	2664.553	62405.03	8466.813	2969.182	3756.720
#3	2696.651	62486.81	8400.295	2980.796	3809.353

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-22 Acquired: 1/12/2025 19:00:06 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNM0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0701616**	**-.005619**	**.3567141**	**.0238990**	**-.003244**	**59.02167**
Stddev	.0001825	.001316	.0029636	.0028231	.000811	.57839
%RSD	.2601116	23.41593	.8308066	11.81263	24.99358	.9799584
#1	.0702969	-.006305	.3593716	.0216310	-.002332	59.46033
#2	.0702338	-.004102	.3572526	.0270608	-.003519	59.23848
#3	.0699540	-.006450	.3535182	.0230052	-.003882	58.36620

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.432664**	**.0063119**	**.0106355**	**34.88874**	**.1289988**	**.0792286**
Stddev	.012540	.0001150	.0000226	.29782	.0001587	.0012053
%RSD	.8752883	1.822328	.2127844	.8536221	.1229911	1.521283
#1	1.442704	.0061921	.0106139	35.13560	.1288167	.0802866
#2	1.436681	.0063222	.0106590	34.97265	.1290725	.0794828
#3	1.418608	.0064215	.0106335	34.55797	.1291072	.0779165

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1681193**	**127.2919**	**18.14727**	**17.39685**	**.1738747**	**-.008341**
Stddev	.0018977	1.2621	.16148	.15326	.0013468	.000250
%RSD	1.128765	.9914816	.8898342	.8809776	.7745899	2.992698
#1	.1664799	128.2571	18.27552	17.51044	.1747419	-.008084
#2	.1676798	127.7548	18.20037	17.45757	.1745592	-.008357
#3	.1701982	125.8637	17.96593	17.22253	.1723231	-.008583

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6550780**	**.1458240**	**.6951233**	**5.142562**	**8.736523**	**.5354243**
Stddev	.0207639	.0008455	.0021801	.047301	.052689	.0066022
%RSD	3.169676	.5797887	.3136245	.9197913	.6030891	1.233074
#1	.6586452	.1465435	.6942299	5.185683	8.763961	.5408846
#2	.6327617	.1460356	.6976082	5.150033	8.769831	.5373016
#3	.6738272	.1448928	.6935319	5.091970	8.675778	.5280868

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-22 Acquired: 1/12/2025 19:00:06 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNM0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0078626	2.302901	F 23.61430	.0146771	.6378164	.0816257
Stddev	.0002075	.026911	.07862	.0003109	.0009450	.0007736
%RSD	2.638803	1.168577	.3329334	2.118324	.1481548	.9477747
#1	.0079333	2.322391	23.69367	.0148950	.6377481	.0823998
#2	.0080255	2.314115	23.53645	.0143211	.6387937	.0816247
#3	.0076290	2.272196	23.61278	.0148154	.6369075	.0808526

Elem	Sr4077
Units	ppm
Avg	.1530195
Stddev	.0018630
%RSD	1.217507
#1	.1542459
#2	.1539368
#3	.1508757

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3370.282	82040.25	11037.51	3858.404	3500.612
Stddev	21.203	344.15	35.05	16.733	23.889
%RSD	.6291074	.4194912	.3175200	.4336775	.6824348
#1	3358.249	81782.35	11054.04	3850.490	3483.853
#2	3357.833	81907.38	11061.23	3847.096	3490.016
#3	3394.763	82431.03	10997.25	3877.626	3527.967

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-23 Acquired: 1/12/2025 19:04:12 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN18 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1354548**	**-.024015**	**.8409573**	**.0354246**	**-.004863**	**57.61523**
Stddev	.0004497	.001332	.0043770	.0011557	.001483	.25259
%RSD	.3319824	5.544996	.5204761	3.262518	30.48737	.4384079
#1	.1354156	-.022501	.8459198	.0340901	-.004403	57.33505
#2	.1350260	-.024539	.8393054	.0360876	-.003666	57.82549
#3	.1359228	-.025005	.8376466	.0360962	-.006522	57.68517

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.275779**	**.0078422**	**.0173159**	**88.50253**	**.1341469**	**.1581278**
Stddev	.021735	.0000683	.0003612	.41074	.0004059	.0011541
%RSD	.6634943	.8713614	2.085903	.4640990	.3025553	.7298533
#1	3.253850	.0077831	.0177167	88.03848	.1336911	.1594603
#2	3.297314	.0079170	.0172157	88.81943	.1344692	.1574835
#3	3.276174	.0078265	.0170155	88.64968	.1342805	.1574398

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3487571**	**187.5696**	F **53.98705**	**31.13796**	**.2300345**	**-.009581**
Stddev	.0012568	.8829	.42391	.15679	.0006647	.000106
%RSD	.3603760	.4707167	.7852005	.5035437	.2889593	1.105364
#1	.3500035	186.5516	54.47527	30.96134	.2307785	-.009665
#2	.3474901	188.1266	53.77336	31.19181	.2294990	-.009462
#3	.3487776	188.0306	53.71251	31.26074	.2298261	-.009616

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.006727**	**.1461454**	**2.043630**	**5.223699**	F **10.84752**	**.7737710**
Stddev	.174416	.0014634	.005422	.018627	.05886	.0044467
%RSD	17.32511	1.001301	.2653276	.3565872	.5426329	.5746786
#1	1.144119	.1477530	2.049175	5.223460	10.91468	.7686724
#2	.810501	.1457923	2.038339	5.242445	10.82301	.7768460
#3	1.065559	.1448909	2.043375	5.205193	10.80487	.7757947

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-23 Acquired: 1/12/2025 19:04:12 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN18 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0203883	1.392949	F 22.62990	.0401342	.7694790	.0969551
Stddev	.0004304	.007925	.03175	.0009228	.0002739	.0004785
%RSD	2.110964	.5689230	.1402812	2.299314	.0355976	.4935459
#1	.0204931	1.400598	22.66504	.0391578	.7691627	.0969110
#2	.0199151	1.393475	22.62135	.0409920	.7696366	.0974542
#3	.0207565	1.384774	22.60330	.0402529	.7696377	.0965002

Elem	Sr4077
Units	ppm
Avg	.2137722
Stddev	.0010913
%RSD	.5105164
#1	.2125184
#2	.2145087
#3	.2142896

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3347.603	78946.70	10895.97	3698.700	3409.726
Stddev	8.724	109.78	67.83	13.975	12.295
%RSD	.2605953	.1390611	.6224836	.3778477	.3605963
#1	3338.263	78884.61	10825.70	3682.800	3395.550
#2	3355.541	79073.46	10961.05	3709.039	3417.497
#3	3349.004	78882.04	10901.16	3704.260	3416.129

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-07DLX2 Acquired: 1/12/2025 19:08:14 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMZ8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0298532	-.003842	.1140765	.0034204	-.001964	22.50254
Stddev	.0008233	.002055	.0007678	.0010473	.000895	.10740
%RSD	2.757843	53.48326	.6730252	30.61793	45.57629	.4772796
#1	.0305378	-.002546	.1133245	.0022497	-.002972	22.44280
#2	.0289396	-.002769	.1140458	.0037435	-.001260	22.62653
#3	.0300820	-.006211	.1148591	.0042680	-.001662	22.43829

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1906033	.0019950	.0025026	600.2869	.0376914	.0320170
Stddev	.0017538	.0000789	.0001092	3.2113	.0003046	.0002718
%RSD	.9201533	3.955559	4.363460	.5349595	.8081837	.8489123
#1	.1909013	.0019872	.0024507	603.9712	.0373707	.0321198
#2	.1921890	.0020775	.0024291	598.8078	.0377268	.0317088
#3	.1887195	.0019203	.0026281	598.0817	.0379768	.0322225

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1685600	60.60018	5.225527	78.06114	.0665270	-.005469
Stddev	.0010194	.29851	.032957	.44649	.0004054	.000141
%RSD	.6047649	.4925923	.6306828	.5719762	.6094132	2.570045
#1	.1693874	60.40288	5.220642	77.75143	.0663828	-.005624
#2	.1688714	60.94361	5.260654	78.57294	.0662133	-.005350
#3	.1674212	60.45406	5.195286	77.85904	.0669847	-.005433

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8162441	.0479931	.2647920	3.142448	F 14.81767	.2700340
Stddev	.2140389	.0011422	.0021644	.025567	.00789	.0023681
%RSD	26.22241	2.379884	.8173887	.8136049	.0532486	.8769453
#1	.7522896	.0467626	.2626382	3.112935	14.82433	.2688871
#2	1.054970	.0481973	.2647710	3.157873	14.81973	.2727572
#3	.641473	.0490194	.2669668	3.156535	14.80896	.2684578

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-07DLX2 Acquired: 1/12/2025 19:08:14 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMZ8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015774	.7942965	3.148138	.0012785	.2302993	.0484923
Stddev	.0002061	.0029495	.012251	.0009269	.0011289	.0017917
%RSD	13.06801	.3713280	.3891456	72.49818	.4902019	3.694775
#1	.0015051	.7916888	3.153831	.0002492	.2311935	.0465514
#2	.0018099	.7974974	3.156507	.0020471	.2306736	.0500830
#3	.0014171	.7937032	3.134077	.0015392	.2290307	.0488427

Elem	Sr4077
Units	ppm
Avg	.5095682
Stddev	.0029482
%RSD	.5785683
#1	.5070677
#2	.5128191
#3	.5088179

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2853.459	66173.28	9709.561	3155.949	3051.187
Stddev	5.890	96.75	27.666	7.590	2.770
%RSD	.2064213	.1462087	.2849371	.2404848	.0907864
#1	2846.759	66251.80	9698.400	3164.697	3050.009
#2	2857.820	66065.20	9741.064	3151.129	3054.352
#3	2855.798	66202.83	9689.219	3152.021	3049.201

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-01DLX5 Acquired: 1/12/2025 19:12:24 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN53 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0203530**	**-.000320**	**.0256782**	**.0014673**	**-.000597**	**3.975306**	**.1349581**
Stddev	.0013950	.000750	.0026714	.0029865	.002401	.033522	.0007346
%RSD	6.853837	233.9948	10.40342	203.5455	402.1787	.8432458	.5443511
#1	.0203835	.000223	.0226197	.0043238	-.003322	3.940334	.1346602
#2	.0189431	-.000008	.0275548	-.001634	.000324	4.007159	.1357948
#3	.0217325	-.001176	.0268600	.001712	.001207	3.978427	.1344191

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006809**	**.0004097**	**377.3413**	**.0100104**	**.0070567**	**.0318348**	**20.65108**
Stddev	.0000760	.0000566	2.0435	.0003692	.0005257	.0028743	.07774
%RSD	11.15461	13.81667	.5415534	3.687848	7.448922	9.028706	.3764523
#1	.0007596	.0003495	378.1027	.0104311	.0076549	.0331733	20.69770
#2	.0006752	.0004177	378.8949	.0097406	.0066687	.0337958	20.69420
#3	.0006080	.0004618	375.0265	.0098596	.0068465	.0285354	20.56133

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.968342**	**171.9243**	**.0152782**	**-.001857**	**.4208515**	**.0179208**	**.0606105**
Stddev	.011796	.5358	.0003674	.000303	.0704790	.0027132	.0005364
%RSD	.5992999	.3116547	2.404729	16.31584	16.74676	15.14015	.8850235
#1	1.973837	172.2152	.0150781	-.001710	.3563811	.0205916	.0608840
#2	1.976389	172.2518	.0157022	-.001654	.4100756	.0151670	.0599925
#3	1.954801	171.3060	.0150543	-.002205	.4960979	.0180037	.0609550

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4619339**	**.6755173**	**.0883970**	**.0036332**	**.6141842**	**1.755811**	**-.003495**
Stddev	.0418052	.0020013	.0001905	.0004523	.0058002	.034227	.001016
%RSD	9.050030	.2962677	.2154591	12.44849	.9443725	1.949373	29.06370
#1	.5097212	.6749535	.0882416	.0041482	.6203527	1.768829	-.002803
#2	.4439522	.6738584	.0883399	.0034510	.6133594	1.781620	-.003021
#3	.4321283	.6777401	.0886095	.0033005	.6088406	1.716985	-.004661

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-01DLX5 Acquired: 1/12/2025 19:12:24 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN53 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0643326	.0135343	.2897374
Stddev	.0019781	.0008138	.0010809
%RSD	3.074785	6.012652	.3730644
#1	.0656662	.0143470	.2898551
#2	.0652716	.0135363	.2907546
#3	.0620599	.0127195	.2886025

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2455.349	57274.89	8225.470	2710.667	3117.835
Stddev	3.531	235.49	101.728	12.278	6.589
%RSD	.1438073	.4111533	1.236739	.4529618	.2113344
#1	2451.816	57099.52	8149.755	2718.963	3110.356
#2	2458.878	57182.61	8185.552	2696.562	3120.361
#3	2455.355	57542.54	8341.102	2716.475	3122.787

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-10DLX2 Acquired: 1/12/2025 19:16:38 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN88 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0314037**	**-.001827**	**.1407652**	**.0062060**	**.0007045**	**19.04433**	**.1487248**
Stddev	.0032644	.001232	.0013112	.0022673	.0010091	.04339	.0003966
%RSD	10.39509	67.43264	.9314787	36.53437	143.2465	.2278168	.2666512
#1	.0350862	-.000450	.1408476	.0073760	-.000430	19.08396	.1489528
#2	.0302595	-.002207	.1420333	.0035927	.001503	18.99798	.1482669
#3	.0288653	-.002825	.1394148	.0076493	.001040	19.05106	.1489548

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014395**	**.0027547**	**474.2955**	**.0426952**	**.0326685**	**.1607388**	**61.25252**
Stddev	.0000309	.0000625	.9841	.0001447	.0001984	.0018356	.06630
%RSD	2.148905	2.269396	.2074866	.3389608	.6074258	1.141975	.1082388
#1	.0014460	.0026826	473.2868	.0426325	.0324424	.1621573	61.27587
#2	.0014058	.0027946	474.3469	.0428608	.0327497	.1586656	61.17771
#3	.0014666	.0027868	475.2529	.0425925	.0328135	.1613936	61.30400

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.711778**	**124.0421**	**.0616398**	**-.005351**	**.7048481**	**.0449620**	**.3937853**
Stddev	.009029	.1993	.0005780	.000266	.2338105	.0012203	.0007573
%RSD	.2432608	.1606909	.9377878	4.980353	33.17176	2.714009	.1923040
#1	3.716029	124.2703	.0610148	-.005611	.9373082	.0454878	.3943325
#2	3.701408	123.9535	.0617493	-.005078	.7075257	.0435670	.3929211
#3	3.717897	123.9024	.0621552	-.005362	.4697102	.0458313	.3941025

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.579422**	**4.145460**	**.2694166**	**.0027543**	**.6583415**	**6.448192**	**.0059718**
Stddev	.056848	.032841	.0004010	.0001290	.0035753	.015927	.0017548
%RSD	1.588194	.7922158	.1488333	4.685580	.5430821	.2469973	29.38518
#1	3.607216	4.107597	.2697729	.0026096	.6577143	6.449467	.0079403
#2	3.514024	4.166228	.2694946	.0028575	.6621890	6.431665	.0045714
#3	3.617025	4.162553	.2689824	.0027957	.6551213	6.463442	.0054037

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-10DLX2 Acquired: 1/12/2025 19:16:38 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN88 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2273369	.0438963	.2956948
Stddev	.0007277	.0020439	.0007755
%RSD	.3201216	4.656236	.2622769
#1	.2281771	.0461082	.2958443
#2	.2269023	.0435031	.2948554
#3	.2269314	.0420775	.2963848

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2651.029	62150.26	8948.287	2950.292	3129.064
Stddev	27.366	99.80	17.027	6.899	33.347
%RSD	1.032285	.1605849	.1902845	.2338399	1.065720
#1	2682.369	62041.86	8932.472	2942.375	3166.994
#2	2638.862	62170.57	8966.311	2955.017	3115.846
#3	2631.856	62238.34	8946.080	2953.483	3104.352

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-20DLX2 Acquired: 1/12/2025 19:20:47 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMS7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0163070**	**-.001707**	**.0392384**	**-.004989**	**.0013717**	**11.85122**
Stddev	.0004027	.000498	.0005190	.003246	.0017764	.02630
%RSD	2.469677	29.17616	1.322824	65.06329	129.5101	.2219415
#1	.0167533	-.001556	.0394227	-.001248	-.000664	11.87816
#2	.0159707	-.002263	.0396401	-.006655	.002169	11.82560
#3	.0161969	-.001301	.0386523	-.007063	.002610	11.84990

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1145242**	**.0010311**	**.0010560**	F **1039.003**	**.0268072**	**.0121416**
Stddev	.0001637	.0001355	.0000737	4.494	.0003676	.0004817
%RSD	.1429353	13.13653	6.976447	.4325564	1.371172	3.967586
#1	.1146730	.0011499	.0010359	1043.693	.0269668	.0121972
#2	.1145509	.0008836	.0009945	1038.583	.0263868	.0125931
#3	.1143489	.0010598	.0011376	1034.734	.0270681	.0116345

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0589396**	**39.73581**	**2.699066**	**210.4871**	**.0289713**	**-.003897**
Stddev	.0010714	.08743	.007943	.2741	.0003531	.000192
%RSD	1.817711	.2200330	.2942872	.1302198	1.218736	4.933936
#1	.0597928	39.80525	2.704762	210.7407	.0292028	-.003913
#2	.0592889	39.63762	2.689993	210.1963	.0285649	-.004080
#3	.0577372	39.76456	2.702443	210.5243	.0291461	-.003697

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2605022**	**.0326576**	**.1213521**	**2.322850**	**1.628974**	**.1805527**
Stddev	.0939917	.0009333	.0001206	.026456	.009754	.0008585
%RSD	36.08096	2.857770	.0994043	1.138929	.5987773	.4755021
#1	.3509738	.0337332	.1214880	2.351722	1.623781	.1808884
#2	.2671859	.0320626	.1212575	2.317058	1.622916	.1795770
#3	.1633471	.0321769	.1213109	2.299770	1.640226	.1811926

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-20DLX2 Acquired: 1/12/2025 19:20:47 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMS7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009766	.4553119	4.648063	-.003631	.1121754	.0368759
Stddev	.0001253	.0032772	.013711	.001735	.0012465	.0008238
%RSD	12.82714	.7197752	.2949754	47.77848	1.111241	2.233998
#1	.0008996	.4547561	4.649556	-.004737	.1124735	.0374820
#2	.0011212	.4523482	4.633667	-.004523	.1108068	.0372078
#3	.0009091	.4588315	4.660966	-.001631	.1132459	.0359380

Elem	Sr4077
Units	ppm
Avg	.4630510
Stddev	.0012195
%RSD	.2633688
#1	.4644452
#2	.4625257
#3	.4621821

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2400.250	56215.16	8336.084	2667.327	2854.362
Stddev	9.768	141.11	14.585	5.294	16.188
%RSD	.4069701	.2510095	.1749587	.1984600	.5671396
#1	2411.389	56102.70	8333.292	2669.395	2872.990
#2	2393.141	56373.49	8351.863	2671.275	2843.702
#3	2396.221	56169.27	8323.097	2661.312	2846.394

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-12DLX2 Acquired: 1/12/2025 19:24:59 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D59 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1322002	-.002917	10.46257	.0277679	.0188306	24.14721
Stddev	.0016749	.000685	.02421	.0020914	.0018850	.08448
%RSD	1.266914	23.49267	.2313898	7.531595	10.01030	.3498527
#1	.1331041	-.003438	10.49028	.0261303	.0204454	24.16175
#2	.1332289	-.002141	10.44555	.0301237	.0192872	24.05640
#3	.1302676	-.003172	10.45188	.0270496	.0167592	24.22348

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7634603	.0049183	.0258956	7.780606	.0296968	.0275406
Stddev	.0024940	.0000548	.0001843	.037897	.0007923	.0001794
%RSD	.3266686	1.115119	.7117972	.4870760	2.668110	.6513518
#1	.7643895	.0049714	.0260871	7.811460	.0297524	.0276936
#2	.7606351	.0049216	.0258801	7.738304	.0304598	.0273432
#3	.7653563	.0048618	.0257194	7.792053	.0288780	.0275851

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.327753	132.9727	9.146837	13.90395	.0231816	.0374065
Stddev	.003743	.5744	.034118	.08534	.0001821	.0007118
%RSD	.2819188	.4319770	.3730018	.6137659	.7856706	1.902934
#1	1.326598	133.0769	9.150662	13.93381	.0230794	.0367159
#2	1.331937	132.3533	9.110968	13.80769	.0230736	.0373659
#3	1.324722	133.4879	9.178882	13.97034	.0233919	.0381378

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3437176	.0633466	6.533344	3.324826	3.966099	.5322057
Stddev	.0931039	.0006869	.003908	.005749	.016867	.0033436
%RSD	27.08734	1.084418	.0598107	.1729074	.4252750	.6282474
#1	.4153590	.0641233	6.537594	3.327079	3.985475	.5336535
#2	.2384781	.0630979	6.529907	3.329108	3.954709	.5283822
#3	.3773156	.0628187	6.532531	3.318292	3.958112	.5345814

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5388-12DLX2 Acquired: 1/12/2025 19:24:59 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D59 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1053817	F 12.20725	8.112384	.0093788	.8703345	.0432853
Stddev	.0006285	.05717	.040786	.0005122	.0015207	.0005784
%RSD	.5964354	.4683609	.5027680	5.461169	.1747304	1.336321
#1	.1059444	12.27299	8.109803	.0099702	.8695457	.0439178
#2	.1054974	12.17966	8.072950	.0090749	.8720875	.0431551
#3	.1047034	12.16911	8.154400	.0090914	.8693701	.0427831

Elem	Sr4077
Units	ppm
Avg	.0775398
Stddev	.0002804
%RSD	.3615716
#1	.0774346
#2	.0773272
#3	.0778575

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2782.007	64224.25	8854.459	3049.346	3665.184
Stddev	4.580	222.58	19.010	12.249	5.835
%RSD	.1646258	.3465657	.2146908	.4016996	.1592032
#1	2780.983	64332.56	8872.560	3055.472	3663.101
#2	2787.013	64371.95	8856.161	3057.324	3671.775
#3	2778.026	63968.25	8834.655	3035.243	3660.677

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-05DLX2 Acquired: 1/12/2025 19:28:54 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNC7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1033251**	**-.002650**	**.5651891**	**.0187736**	**-.001437**	**27.30833**
Stddev	.0020046	.001438	.0039457	.0017619	.001545	.06147
%RSD	1.940051	54.27716	.6981198	9.384965	107.4749	.2250799
#1	.1049786	-.002974	.5607052	.0175770	-.000453	27.36655
#2	.1010956	-.003899	.5681308	.0179470	-.003218	27.31439
#3	.1039010	-.001077	.5667312	.0207968	-.000641	27.24406

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3891219**	**.0027464**	**.0034167**	**520.8460**	**.0526729**	**.0415511**
Stddev	.0007961	.0000427	.0000793	.9588	.0005333	.0003355
%RSD	.2045970	1.553232	2.321345	.1840780	1.012439	.8073289
#1	.3900218	.0027130	.0034005	521.4858	.0530591	.0419374
#2	.3885092	.0027944	.0035029	521.3085	.0528952	.0413331
#3	.3888348	.0027317	.0033467	519.7436	.0520645	.0413829

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1430278**	**108.3416**	**3.596774**	**66.82305**	**.0965527**	**-.009808**
Stddev	.0018304	.3282	.007583	.31047	.0007202	.000231
%RSD	1.279742	.3029609	.2108146	.4646197	.7459639	2.360091
#1	.1410220	108.6952	3.605300	67.18003	.0967376	-.009989
#2	.1434537	108.2831	3.590789	66.67316	.0957580	-.009547
#3	.1446077	108.0466	3.594231	66.61596	.0971624	-.009888

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7648159**	**.0571264**	**.6103237**	**6.256250**	**2.744283**	**.4906134**
Stddev	.0518885	.0019957	.0038297	.082200	.007287	.0015634
%RSD	6.784441	3.493546	.6274918	1.313890	.2655419	.3186614
#1	.7453035	.0548304	.6147422	6.350200	2.744662	.4922631
#2	.8236319	.0584461	.6079587	6.197570	2.751373	.4904233
#3	.7255122	.0581026	.6082701	6.220981	2.736813	.4891537

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-05DLX2 Acquired: 1/12/2025 19:28:54 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNC7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036467	2.167617	F 11.03400	.0198771	.1377547	.0639239
Stddev	.0005704	.004498	.12286	.0011746	.0024594	.0007951
%RSD	15.64120	.2075071	1.113434	5.909534	1.785325	1.243820
#1	.0031130	2.169639	10.89305	.0212289	.1351682	.0633567
#2	.0042478	2.170750	11.09059	.0191046	.1400634	.0648327
#3	.0035793	2.162463	11.11837	.0192978	.1380324	.0635823

Elem	Sr4077
Units	ppm
Avg	.5340470
Stddev	.0009818
%RSD	.1838430
#1	.5349347
#2	.5342140
#3	.5329925

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2642.906	60940.27	8835.815	2892.747	3140.111
Stddev	5.588	432.16	63.172	18.015	6.340
%RSD	.2114268	.7091604	.7149593	.6227636	.2018963
#1	2649.304	60442.17	8906.856	2873.564	3147.114
#2	2638.983	61215.45	8814.636	2909.306	3134.763
#3	2640.431	61163.21	8785.953	2895.370	3138.455

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-06DLX2 Acquired: 1/12/2025 19:33:00 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNC8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0567353**	**-.003034**	**.2944124**	**.0076973**	**.0002912**	**22.16979**
Stddev	.0021290	.001671	.0008898	.0031009	.0019073	.05067
%RSD	3.752527	55.07867	.3022241	40.28530	654.9100	.2285741
#1	.0548648	-.001111	.2939384	.0053209	.0009919	22.22795
#2	.0562891	-.003861	.2938599	.0112050	.0017490	22.14633
#3	.0590521	-.004131	.2954388	.0065661	-.001867	22.13510

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2121881**	**.0024296**	**.0019955**	**596.9154**	**.0386758**	**.0341104**
Stddev	.0012215	.0000418	.0001105	2.5798	.0001301	.0005944
%RSD	.5756657	1.719644	5.538860	.4321849	.3363883	1.742721
#1	.2135418	.0024615	.0018680	594.6849	.0385304	.0340835
#2	.2118543	.0024449	.0020546	596.3207	.0387811	.0335299
#3	.2111682	.0023823	.0020638	599.7406	.0387160	.0347179

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0595769**	**71.78251**	**2.551189**	**72.86059**	**.0816120**	**-.006975**
Stddev	.0036976	.14894	.005537	.15247	.0005770	.000258
%RSD	6.206423	.2074858	.2170239	.2092672	.7069616	3.701624
#1	.0558823	71.90689	2.557566	73.03109	.0810994	-.007000
#2	.0595708	71.82318	2.548395	72.81338	.0814999	-.006705
#3	.0632775	71.61746	2.547607	72.73731	.0822368	-.007220

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5134002**	**.0394344**	**.3241996**	**6.171933**	**1.502994**	**.3439290**
Stddev	.0657149	.0003503	.0017123	.033910	.011145	.0021991
%RSD	12.79995	.8883864	.5281582	.5494199	.7415141	.6394141
#1	.5691206	.0391314	.3229012	6.169328	1.494944	.3451288
#2	.5301481	.0393538	.3235574	6.139401	1.498323	.3452671
#3	.4409319	.0398180	.3261401	6.207070	1.515714	.3413909

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-06DLX2 Acquired: 1/12/2025 19:33:00 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNC8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023316	1.544150	F 10.44104	.0017850	.0721893	.0574314
Stddev	.0004232	.003215	.02968	.0006747	.0010775	.0001844
%RSD	18.15260	.2082186	.2843033	37.79612	1.492646	.3210320
#1	.0020392	1.544590	10.40706	.0022676	.0710080	.0572442
#2	.0028169	1.540737	10.46194	.0010141	.0724416	.0576128
#3	.0021387	1.547123	10.45412	.0020733	.0731183	.0574372

Elem	Sr4077
Units	ppm
Avg	.5049707
Stddev	.0014109
%RSD	.2794100
#1	.5065646
#2	.5044658
#3	.5038817

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2524.071	59440.00	8538.784	2837.286	3006.804
Stddev	11.935	86.65	24.883	4.427	20.868
%RSD	.4728412	.1457700	.2914115	.1560198	.6940116
#1	2528.708	59346.89	8565.487	2842.371	3012.555
#2	2532.991	59454.87	8534.618	2834.293	3024.193
#3	2510.514	59518.26	8516.247	2835.194	2983.664

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-07A Acquired: 1/12/2025 19:37:10 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMQ9A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1097240**	**.0003338**	**5.998810**	**.0865026**	**.0784811**	**54.10231**
Stddev	.0028265	.0016866	.012842	.0020096	.0003140	.20068
%RSD	2.576007	505.2399	.2140798	2.323196	.4001495	.3709352
#1	.1099152	-.000424	6.013601	.0851000	.0783393	53.90799
#2	.1068068	-.000841	5.990499	.0856028	.0782629	54.30880
#3	.1124500	.002266	5.992330	.0888049	.0788410	54.09014

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.314452**	**.0046116**	**.0180650**	**32.15377**	**.1395359**	**.0709001**
Stddev	.005207	.0001327	.0001075	.10420	.0008205	.0003710
%RSD	.3961486	2.878419	.5950410	.3240614	.5880572	.5232923
#1	1.310520	.0047524	.0181851	32.08949	.1387121	.0712137
#2	1.320358	.0045938	.0179779	32.27399	.1403531	.0704906
#3	1.312479	.0044887	.0180319	32.09784	.1395425	.0709961

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5193736**	**136.2060**	**4.926955**	**13.91346**	**.1692389**	**.0035287**
Stddev	.0012266	.4917	.013889	.02533	.0008988	.0002904
%RSD	.2361729	.3609979	.2818951	.1820556	.5310673	8.229429
#1	.5203331	135.6869	4.916265	13.89330	.1702762	.0038560
#2	.5179916	136.6647	4.942653	13.94190	.1686934	.0034284
#3	.5197962	136.2664	4.921946	13.90519	.1687470	.0033018

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4981828**	**.1912213**	**2.988332**	**6.207116**	**7.546808**	**.5705281**
Stddev	.0338155	.0010046	.008244	.027261	.027223	.0030074
%RSD	6.787772	.5253633	.2758737	.4391819	.3607218	.5271252
#1	.4591654	.1915329	2.979369	6.188383	7.578226	.5687857
#2	.5190051	.1900978	2.995592	6.238390	7.531986	.5740007
#3	.5163778	.1920332	2.990034	6.194574	7.530212	.5687979

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5197-07A Acquired: 1/12/2025 19:37:10 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMQ9A Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0075172	2.455288	F 17.59420	.1521777	.8285745	.0685520
Stddev	.0002450	.001498	.01341	.0018509	.0056831	.0019186
%RSD	3.259756	.0610192	.0762107	1.216257	.6858948	2.798674
#1	.0072609	2.454777	17.58672	.1543130	.8255255	.0672869
#2	.0077492	2.456975	17.58619	.1510320	.8351315	.0707595
#3	.0075414	2.454112	17.60968	.1511882	.8250666	.0676096

Elem	Sr4077
Units	ppm
Avg	.1483898
Stddev	.0007368
%RSD	.4965167
#1	.1477844
#2	.1492102
#3	.1481748

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2986.412	71328.35	9692.681	3402.863	3548.284
Stddev	3.236	149.77	26.283	12.991	2.999
%RSD	.1083554	.2099709	.2711595	.3817755	.0845126
#1	2986.700	71422.93	9667.564	3415.441	3545.063
#2	2983.043	71155.67	9719.992	3389.495	3548.796
#3	2989.495	71406.44	9690.487	3403.655	3550.994

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-19A Acquired: 1/12/2025 19:41:05 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNE7A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1513828**	**-.006988**	**.2804026**	**.0966560**	**.0686738**	**92.97953**
Stddev	.0028003	.001940	.0011986	.0020505	.0012871	.18916
%RSD	1.849802	27.76231	.4274715	2.121411	1.874201	.2034432
#1	.1481597	-.006868	.2817787	.0987963	.0676496	92.78513
#2	.1527707	-.005111	.2795860	.0964625	.0682533	92.99049
#3	.1532181	-.008985	.2798431	.0947091	.0701185	93.16298

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.318668**	**.0064565**	**.0079046**	**22.20537**	**.1489925**	**.1256301**
Stddev	.002706	.0000197	.0000872	.01255	.0004662	.0003492
%RSD	.2052036	.3057443	1.103187	.0565300	.3128806	.2779580
#1	1.316053	.0064380	.0079844	22.19088	.1486471	.1256727
#2	1.321456	.0064773	.0078115	22.21275	.1488077	.1252615
#3	1.318494	.0064541	.0079180	22.21249	.1495228	.1259560

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3955571**	**235.9785**	**12.66928**	**26.40913**	**.1988662**	**-.008596**
Stddev	.0011366	.4131	.02863	.08117	.0002503	.000096
%RSD	.2873364	.1750372	.2259587	.3073606	.1258842	1.114192
#1	.3960713	235.5754	12.64047	26.31540	.1989253	-.008654
#2	.3942543	235.9592	12.69772	26.45563	.1990818	-.008486
#3	.3963458	236.4008	12.66965	26.45635	.1985917	-.008649

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5424169**	**.2226051**	**.4295550**	**6.245089**	**3.264229**	**.9642211**
Stddev	.0612623	.0011851	.0006720	.033788	.008657	.0017725
%RSD	11.29432	.5323766	.1564472	.5410411	.2651977	.1838235
#1	.6131340	.2217164	.4298513	6.267943	3.254509	.9632766
#2	.5086005	.2239507	.4300280	6.206277	3.271110	.9631209
#3	.5055160	.2221483	.4287858	6.261046	3.267066	.9662658

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5201-19A Acquired: 1/12/2025 19:41:05 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNE7A Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038409	.5003363	F 17.24800	.0139136	1.140569	.0830469
Stddev	.0001323	.0052672	.09400	.0007527	.002214	.0002388
%RSD	3.443320	1.052725	.5450122	5.409455	.1941420	.2874832
#1	.0039337	.5040706	17.29715	.0139352	1.142711	.0829081
#2	.0036895	.5026264	17.30724	.0131504	1.138289	.0833225
#3	.0038997	.4943117	17.13961	.0146552	1.140708	.0829100

Elem	Sr4077
Units	ppm
Avg	.0902486
Stddev	.0002445
%RSD	.2709236
#1	.0899785
#2	.0903122
#3	.0904550

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3292.379	78026.04	10865.03	3739.261	3359.783
Stddev	6.791	48.66	29.39	10.846	6.339
%RSD	.2062686	.0623606	.2705186	.2900452	.1886640
#1	3286.843	78077.02	10833.57	3730.219	3358.263
#2	3290.336	77980.10	10869.73	3736.279	3354.342
#3	3299.957	78021.01	10891.79	3751.286	3366.743

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-02A Acquired: 1/12/2025 19:44:59 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN82A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2127591	-.003657	3.233008	.0866192	.0752889	50.20947
Stddev	.0015934	.001757	.004542	.0018257	.0006369	.21061
%RSD	.7489438	48.04380	.1404920	2.107729	.8459048	.4194578
#1	.2110722	-.002243	3.227789	.0874846	.0754882	50.08386
#2	.2142388	-.003104	3.235168	.0878512	.0745762	50.09194
#3	.2129662	-.005624	3.236068	.0845217	.0758023	50.45261

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.265578	.0044602	.0124260	62.92878	.1706027	.0808116
Stddev	.003764	.0001877	.0000880	.18350	.0004635	.0003722
%RSD	.2974446	4.208021	.7084197	.2916032	.2716828	.4606103
#1	1.261232	.0043899	.0125186	62.75982	.1710260	.0805898
#2	1.267705	.0046730	.0123433	62.90252	.1706748	.0812413
#3	1.267798	.0043179	.0124162	63.12400	.1701074	.0806036

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.138144	140.1594	7.569806	23.67173	.2057832	.0039617
Stddev	.003519	.4193	.025568	.08530	.0006037	.0001540
%RSD	.3092017	.2991780	.3377665	.3603643	.2933565	3.887929
#1	1.142164	139.7955	7.540573	23.57593	.2050868	.0038486
#2	1.136643	140.0646	7.580844	23.69976	.2061036	.0038995
#3	1.135623	140.6180	7.588001	23.73949	.2061591	.0041371

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4602639	.1426755	7.904541	7.343239	F 14.26608	.5975481
Stddev	.0198114	.0016570	.022431	.017421	.04236	.0028072
%RSD	4.304361	1.161404	.2837748	.2372344	.2969504	.4697955
#1	.4395269	.1445420	7.930307	7.337058	14.27559	.5950878
#2	.4622675	.1413776	7.893947	7.329752	14.30288	.5969505
#3	.4789974	.1421069	7.889369	7.362908	14.21977	.6006061

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5206-02A Acquired: 1/12/2025 19:44:59 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN82A Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0071750	4.012262	F 20.87752	.1612363	.8558778	.0634868
Stddev	.0000761	.010800	.08189	.0013125	.0051219	.0009487
%RSD	1.061019	.2691836	.3922232	.8140099	.5984420	1.494379
#1	.0070872	4.006057	20.92936	.1597227	.8547225	.0624114
#2	.0072233	4.024733	20.92009	.1619276	.8614787	.0638433
#3	.0072144	4.005996	20.78312	.1620587	.8514322	.0642056

Elem	Sr4077
Units	ppm
Avg	.1738408
Stddev	.0009716
%RSD	.5588788
#1	.1736442
#2	.1729827
#3	.1748957

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3078.430	71771.18	10174.88	3446.660	3498.467
Stddev	3.526	23.49	46.19	12.396	7.403
%RSD	.1145445	.0327293	.4540007	.3596667	.2116109
#1	3082.469	71794.99	10138.87	3432.368	3507.012
#2	3075.963	71770.52	10158.80	3453.118	3494.388
#3	3076.859	71748.02	10226.96	3454.494	3494.000

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-11A Acquired: 1/12/2025 19:48:53 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK4A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0747562**	**-.002461**	**2.206177**	**.0861239**	**.0738739**	**64.14216**
Stddev	.0008868	.000342	.008280	.0010608	.0034280	.14634
%RSD	1.186311	13.89698	.3753278	1.231710	4.640317	.2281432
#1	.0757625	-.002169	2.213361	.0852764	.0724047	63.97320
#2	.0744175	-.002375	2.197120	.0873135	.0777916	64.22847
#3	.0740887	-.002837	2.208049	.0857817	.0714254	64.22481

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.372545**	**.0049074**	**.0092687**	**84.73635**	**.1300400**	**.0791001**
Stddev	.004686	.0000569	.0000868	.15431	.0006226	.0004559
%RSD	.3413838	1.159926	.9364477	.1821048	.4788103	.5763869
#1	1.374136	.0049513	.0093583	84.72791	.1307334	.0794746
#2	1.367271	.0049278	.0092628	84.58643	.1298582	.0785924
#3	1.376228	.0048431	.0091850	84.89470	.1295286	.0792333

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2512302**	**161.6849**	**7.075330**	**22.12630**	**.1618818**	**.0008803**
Stddev	.0010490	.3323	.024345	.09364	.0011555	.0000839
%RSD	.4175267	.2055300	.3440894	.4232214	.7138007	9.532733
#1	.2517246	161.3570	7.085186	22.09854	.1624156	.0009635
#2	.2500254	161.6762	7.047601	22.04968	.1605559	.0007957
#3	.2519406	162.0214	7.093201	22.23069	.1626739	.0008816

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5876275**	**.1560280**	**6.593541**	**5.196386**	**8.362048**	**.6885114**
Stddev	.0794629	.0013253	.013049	.042909	.035378	.0016070
%RSD	13.52266	.8494140	.1979079	.8257450	.4230767	.2334064
#1	.4991907	.1554598	6.602963	5.147284	8.367831	.6868648
#2	.6530249	.1550814	6.599014	5.215202	8.324135	.6885936
#3	.6106670	.1575426	6.578647	5.226673	8.394178	.6900757

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5208-11A Acquired: 1/12/2025 19:48:53 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNK4A Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024361	1.760345	F 21.38301	.1100114	.7441915	.0802011
Stddev	.0002901	.005416	.08584	.0008703	.0027822	.0006632
%RSD	11.90816	.3076385	.4014515	.7910932	.3738614	.8269847
#1	.0025105	1.766565	21.42731	.1110139	.7439501	.0794402
#2	.0026816	1.756675	21.28407	.1095710	.7415378	.0805066
#3	.0021160	1.757795	21.43765	.1094494	.7470866	.0806566

Elem	Sr4077
Units	ppm
Avg	.2629395
Stddev	.0008316
%RSD	.3162689
#1	.2619832
#2	.2634926
#3	.2633428

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3249.452	76452.20	10872.88	3662.009	3432.172
Stddev	12.197	90.50	12.29	4.479	12.595
%RSD	.3753439	.1183774	.1130454	.1223193	.3669590
#1	3236.777	76550.76	10863.86	3661.808	3418.835
#2	3261.106	76433.03	10886.88	3657.633	3443.862
#3	3250.473	76372.82	10867.90	3666.585	3433.820

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-14A Acquired: 1/12/2025 19:52:49 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN81A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0490018**	**-.004450**	**.5361122**	**.0829130**	**.0683900**	**63.60232**
Stddev	.0020305	.000749	.0021746	.0016429	.0014838	.14764
%RSD	4.143809	16.83471	.4056232	1.981425	2.169608	.2321255
#1	.0484795	-.005157	.5376406	.0825753	.0690796	63.50017
#2	.0472834	-.004527	.5336227	.0846984	.0694035	63.77159
#3	.0512424	-.003665	.5370734	.0814652	.0666869	63.53519

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5925612**	**.0040611**	**.0055106**	**60.83671**	**.1325139**	**.0778984**
Stddev	.0015626	.0001141	.0001433	.11620	.0005132	.0003880
%RSD	.2636957	2.809524	2.599594	.1910004	.3872626	.4980698
#1	.5916703	.0040444	.0054318	60.75762	.1319236	.0778802
#2	.5943654	.0041827	.0056760	60.97012	.1328532	.0782951
#3	.5916479	.0039564	.0054242	60.78240	.1327651	.0775198

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1407070**	**165.2706**	**3.652505**	**36.66101**	**.1836008**	**-.001644**
Stddev	.0008073	.4338	.009311	.13286	.0004499	.000106
%RSD	.5737782	.2624535	.2549208	.3624072	.2450596	6.454043
#1	.1399680	164.9042	3.645189	36.59466	.1830980	-.001706
#2	.1415687	165.7496	3.662986	36.81398	.1837387	-.001522
#3	.1405843	165.1581	3.649340	36.57438	.1839656	-.001706

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6386353**	**.1438989**	**.7018863**	**8.090127**	**7.850274**	**.6969240**
Stddev	.1060805	.0015573	.0017139	.031229	.019029	.0016523
%RSD	16.61050	1.082204	.2441893	.3860120	.2423941	.2370784
#1	.7151530	.1449916	.7000506	8.108495	7.861371	.6955542
#2	.5175401	.1445893	.7034446	8.107817	7.861150	.6987590
#3	.6832126	.1421157	.7021638	8.054069	7.828302	.6964589

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5209-14A Acquired: 1/12/2025 19:52:49 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN81A Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007103	.8430872	F 22.19191	.0174434	1.108195	.1028157
Stddev	.0003224	.0033360	.14309	.0001531	.004006	.0008788
%RSD	45.38846	.3956929	.6447942	.8774930	.3614646	.8547131
#1	.0006219	.8402498	22.08873	.0172684	1.104349	.1030458
#2	.0010677	.8422497	22.35526	.0175519	1.112343	.1035566
#3	.0004413	.8467622	22.13173	.0175101	1.107893	.1018448

Elem	Sr4077
Units	ppm
Avg	.1141628
Stddev	.0002319
%RSD	.2031622
#1	.1141023
#2	.1144190
#3	.1139672

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3296.006	76481.29	10786.82	3658.348	3493.388
Stddev	3.044	288.40	45.31	4.629	6.668
%RSD	.0923470	.3770846	.4200716	.1265342	.1908632
#1	3293.731	76792.30	10822.77	3661.783	3494.248
#2	3294.823	76222.69	10735.93	3653.084	3486.332
#3	3299.464	76428.89	10801.77	3660.176	3499.584

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-20A Acquired: 1/12/2025 19:56:45 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL7A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0910298**	**-.005970**	**.8892528**	**.0866433**	**.0870638**	**41.11264**
Stddev	.0031848	.001207	.0018809	.0023487	.0011948	.22003
%RSD	3.498687	20.22330	.2115202	2.710778	1.372383	.5351792
#1	.0937196	-.007218	.8909646	.0857404	.0879961	40.85894
#2	.0875130	-.005886	.8872392	.0848799	.0857168	41.25130
#3	.0918566	-.004807	.8895545	.0893094	.0874784	41.22767

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7539421**	**.0031312**	**.0074011**	**191.9027**	**.1001771**	**.0656442**
Stddev	.0039559	.0001287	.0000403	.7069	.0004937	.0001948
%RSD	.5247025	4.111206	.5442110	.3683554	.4928691	.2967619
#1	.7499113	.0030472	.0073675	191.0957	.1000756	.0654557
#2	.7578187	.0032794	.0073901	192.4124	.0997420	.0656322
#3	.7540964	.0030669	.0074457	192.1999	.1007137	.0658447

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2063469**	**154.9382**	**10.72229**	**45.45957**	**.1108701**	**.0004011**
Stddev	.0013845	.7454	.04348	.19488	.0003224	.0003751
%RSD	.6709696	.4810965	.4054638	.4286829	.2907631	93.52433
#1	.2079126	154.0776	10.67407	45.23458	.1109592	.0000097
#2	.2052840	155.3772	10.75849	45.57564	.1111385	.0004361
#3	.2058442	155.3600	10.73432	45.56848	.1105125	.0007575

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.003925**	**.0934056**	**1.093037**	**4.146845**	**9.081730**	**.6379326**
Stddev	.083591	.0004199	.002010	.037768	.013489	.0041363
%RSD	8.326459	.4495566	.1839213	.9107692	.1485318	.6483892
#1	1.025449	.0938076	1.094645	4.138927	9.086928	.6331567
#2	1.074650	.0929698	1.093683	4.113664	9.091847	.6403652
#3	.911677	.0934396	1.090783	4.187945	9.066415	.6402758

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5211-20A Acquired: 1/12/2025 19:56:45 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL7A Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058645	1.407470	F 22.56216	.0296920	.7833471	.0657450
Stddev	.0001485	.006509	.03052	.0013537	.0007919	.0009445
%RSD	2.532405	.4624908	.1352556	4.559084	.1010964	1.436640
#1	.0057906	1.404830	22.52878	.0301434	.7837439	.0658293
#2	.0060355	1.414885	22.58863	.0281703	.7838621	.0666446
#3	.0057675	1.402696	22.56908	.0307623	.7824352	.0647612

Elem	Sr4077
Units	ppm
Avg	.2680222
Stddev	.0014931
%RSD	.5570944
#1	.2662981
#2	.2688737
#3	.2688948

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2996.659	70256.09	9838.724	3366.284	3305.509
Stddev	4.377	105.85	35.862	11.077	6.286
%RSD	.1460537	.1506654	.3644979	.3290649	.1901809
#1	2998.286	70252.39	9799.336	3353.499	3311.208
#2	2991.702	70363.74	9869.486	3372.329	3298.766
#3	2999.990	70152.13	9847.350	3373.023	3306.552

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-05A Acquired: 1/12/2025 20:00:42 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNF3A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1764872	-.005665	1.775256	.0735719	.0665664	56.98121
Stddev	.0004886	.000289	.002886	.0017161	.0010483	.19188
%RSD	.2768498	5.106447	.1625614	2.332558	1.574795	.3367425
#1	.1760122	-.005522	1.771924	.0744126	.0656758	57.17453
#2	.1769883	-.005476	1.776860	.0747056	.0677216	56.79081
#3	.1764612	-.005998	1.776983	.0715975	.0663016	56.97828

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.263413	.0107360	.0087175	180.9410	.3564381	.1001389
Stddev	.020053	.0002113	.0001021	.6662	.0013001	.0003394
%RSD	.6144801	1.968035	1.171647	.3681814	.3647460	.3389209
#1	3.281333	.0109537	.0088336	181.5893	.3578260	.1001068
#2	3.241754	.0107227	.0086777	180.2582	.3552487	.0998167
#3	3.267153	.0105317	.0086412	180.9754	.3562396	.1004933

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7586006	149.1734	9.945745	35.71803	.1562822	.0012154
Stddev	.0077793	.5165	.057186	.14750	.0008657	.0002939
%RSD	1.025485	.3462362	.5749754	.4129492	.5539662	24.18247
#1	.7630165	149.6714	10.00728	35.88833	.1570842	.0011788
#2	.7631670	148.6402	9.89423	35.63099	.1563980	.0015259
#3	.7496182	149.2085	9.93572	35.63476	.1553643	.0009415

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7494974	.3117008	2.936757	6.086615	F 18.57910	.6471404
Stddev	.2051609	.0040127	.015867	.017774	.03766	.0029663
%RSD	27.37313	1.287343	.5402943	.2920101	.2026936	.4583689
#1	.6884961	.3150507	2.955057	6.107051	18.61368	.6497284
#2	.9782407	.3127981	2.928384	6.074755	18.53898	.6439033
#3	.5817555	.3072537	2.926830	6.078041	18.58465	.6477895

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-05A Acquired: 1/12/2025 20:00:42 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNF3A Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0071408	3.032109	F 21.23547	.0944106	.7232282	.0857330
Stddev	.0002974	.008143	.31735	.0008389	.0090373	.0006019
%RSD	4.165013	.2685534	1.494435	.8885850	1.249581	.7020881
#1	.0073267	3.040703	21.49498	.0939379	.7301877	.0863817
#2	.0072978	3.031115	21.32978	.0939147	.7264824	.0856248
#3	.0067977	3.024509	20.88166	.0953792	.7130144	.0851926

Elem	Sr4077
Units	ppm
Avg	.3151422
Stddev	.0008882
%RSD	.2818543
#1	.3155660
#2	.3141215
#3	.3157392

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3410.886	79113.67	11535.77	3786.441	3350.719
Stddev	4.598	468.78	163.62	16.801	4.886
%RSD	.1347988	.5925378	1.418401	.4437280	.1458220
#1	3411.001	78602.76	11407.88	3767.043	3350.621
#2	3415.426	79523.99	11479.26	3796.450	3355.654
#3	3406.232	79214.25	11720.15	3795.829	3345.883

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-09A Acquired: 1/12/2025 20:04:35 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNJ0A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1232083	-.003463	.3153237	.0821323	.0921629	51.67628
Stddev	.0033924	.001916	.0000139	.0023818	.0022013	.27801
%RSD	2.753383	55.32923	.0044176	2.899934	2.388499	.5379742
#1	.1195456	-.001792	.3153184	.0837831	.0909998	51.98050
#2	.1262426	-.005554	.3153133	.0794019	.0907871	51.61294
#3	.1238366	-.003041	.3153396	.0832119	.0947018	51.43542

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8943926	.0039424	.0086013	513.4505	.1325333	.0727749
Stddev	.0060854	.0000485	.0001121	1.3203	.0004406	.0001017
%RSD	.6803987	1.229158	1.303681	.2571388	.3324106	.1397571
#1	.8997669	.0038884	.0086439	512.6283	.1330410	.0727231
#2	.8956260	.0039567	.0086860	514.9734	.1323072	.0728921
#3	.8877849	.0039821	.0084742	512.7497	.1322517	.0727095

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4967250	169.3283	5.827658	57.78395	.1805151	-.000317
Stddev	.0029993	.8585	.028196	.21949	.0003340	.000243
%RSD	.6038191	.5070101	.4838284	.3798434	.1850375	76.76913
#1	.4948717	170.1951	5.853442	58.00422	.1803955	-.000039
#2	.5001854	169.3114	5.831981	57.78237	.1802573	-.000493
#3	.4951178	168.4783	5.797550	57.56525	.1808924	-.000420

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8260912	.1178056	.6451016	10.62069	5.102202	.7609987
Stddev	.0876616	.0022747	.0026058	.01754	.008621	.0036041
%RSD	10.61161	1.930898	.4039387	.1651042	.1689614	.4736017
#1	.8616165	.1154175	.6434596	10.60053	5.104704	.7648320
#2	.7262431	.1199468	.6481062	10.63241	5.109295	.7604852
#3	.8904139	.1180524	.6437390	10.62913	5.092607	.7576789

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5210-09A Acquired: 1/12/2025 20:04:35 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNJ0A Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013390	1.229546	F 23.71768	.0356883	1.230728	.1218268
Stddev	.0002325	.001783	.04862	.0008768	.004381	.0006105
%RSD	17.36279	.1450110	.2050013	2.456716	.3559612	.5011260
#1	.0012768	1.228870	23.66200	.0354092	1.229376	.1220059
#2	.0015963	1.231568	23.75178	.0349850	1.235626	.1211468
#3	.0011440	1.228200	23.73925	.0366706	1.227183	.1223278

Elem	Sr4077
Units	ppm
Avg	.3422945
Stddev	.0022826
%RSD	.6668396
#1	.3448988
#2	.3413433
#3	.3406414

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2861.484	66664.75	9707.061	3175.459	3139.055
Stddev	5.824	200.37	70.950	6.086	3.700
%RSD	.2035414	.3005564	.7309080	.1916534	.1178848
#1	2858.184	66706.59	9783.327	3177.320	3136.229
#2	2858.060	66446.76	9643.014	3168.660	3137.693
#3	2868.209	66840.88	9694.843	3180.397	3143.244

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV012 Acquired: 1/12/2025 20:08:39 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV012 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.667025**	**4.519356**	**23.16771**	**4.696248**	**4.635686**	**365.3823**
Stddev	.009372	.056738	.02638	.004925	.003499	2.6924
%RSD	.2008032	1.255444	.1138724	.1048700	.0754868	.7368692
#1	4.656796	4.534411	23.19310	4.690615	4.638598	363.8178
#2	4.669082	4.567048	23.16958	4.699740	4.631804	363.8379
#3	4.675198	4.456608	23.14044	4.698389	4.636656	368.4912

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.375638**	**.5191879**	**2.582739**	**373.2064**	**14.85616**	**2.343717**
Stddev	.067152	.0029018	.005582	4.3874	.01622	.003106
%RSD	.7162385	.5589173	.2161163	1.175602	.1091552	.1325224
#1	9.314617	.5221991	2.587083	368.5319	14.86474	2.347024
#2	9.364716	.5189552	2.584691	373.8521	14.83746	2.343265
#3	9.447582	.5164095	2.576444	377.2352	14.86629	2.340861

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.21991**	**372.3190**	**14.12104**	**235.5054**	**2.340250**	**1.343183**
Stddev	.02081	1.5810	.06284	.9363	.005990	.001355
%RSD	.1463208	.4246245	.4450310	.3975791	.2559419	.1009142
#1	14.23466	371.7831	14.11297	234.8972	2.346787	1.344338
#2	14.19611	371.0757	14.06263	235.0354	2.338937	1.343521
#3	14.22896	374.0983	14.18753	236.5836	2.335026	1.341691

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**372.3941**	**2.331108**	**14.88257**	**136.4781**	**4.559156**	F **5.656138**
Stddev	.3613	.002361	.03486	.7290	.014114	.013680
%RSD	.0970117	.1012614	.2342422	.5341591	.3095824	.2418604
#1	372.8113	2.333652	14.84354	136.2959	4.564794	5.671094
#2	372.1825	2.328989	14.89354	135.8574	4.569580	5.653063
#3	372.1886	2.330683	14.91063	137.2808	4.543094	5.644258

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV012 Acquired: 1/12/2025 20:08:39 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV012 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 4.414754	4.580148	4.718338	4.611493	4.658730	F 4.207049
Stddev	.001143	.012322	.010730	.011966	.009027	.018654
%RSD	.0258852	.2690278	.2274191	.2594911	.1937641	.4434071
#1	4.413691	4.586096	4.717653	4.625170	4.669056	4.210004
#2	4.415963	4.565981	4.729395	4.606354	4.654796	4.187093
#3	4.414609	4.588368	4.707967	4.602955	4.652337	4.224049

Elem	Sr4077
Units	ppm
Avg	4.694409
Stddev	.043672
%RSD	.9302903
#1	4.644687
#2	4.726548
#3	4.711994

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2141.691	52487.44	7928.627	2509.619	2862.811
Stddev	1.439	160.11	7.077	9.302	6.382
%RSD	.0671899	.3050496	.0892539	.3706478	.2229248
#1	2141.629	52573.08	7925.215	2520.345	2857.410
#2	2140.283	52586.52	7923.903	2504.749	2861.169
#3	2143.159	52302.72	7936.763	2503.764	2869.853

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB012 Acquired: 1/12/2025 20:17:15 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB012 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000715**	**.0001848**	**.0012931**	**.0018952**	**.0002425**	**.0117406**	**-.004781**
Stddev	.000667	.0015642	.0004286	.0014385	.0024812	.0017616	.000726
%RSD	93.30599	846.4117	33.14681	75.89964	1023.204	15.00454	15.18897
#1	-.001041	.0013643	.0008432	.0035378	.0031005	.0119792	-.005483
#2	-.001155	.0007796	.0013394	.0012873	-.001014	.0133707	-.004032
#3	.000052	-.001590	.0016967	.0008605	-.001360	.0098718	-.004829

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000027**	**.0000873**	**.0245608**	**.0007246**	**.0000927**	**-.000630**	**.0255236**
Stddev	.0000781	.0000576	.0071470	.0003095	.0001677	.001815	.0051259
%RSD	2933.752	65.96534	29.09930	42.71142	180.9421	288.0418	20.08299
#1	.0000924	.0001530	.0298499	.0006890	.0000847	-.002611	.0222400
#2	-.000035	.0000456	.0274025	.0010504	.0002642	.000954	.0314302
#3	-.000049	.0000632	.0164300	.0004345	-.000071	-.000234	.0229006

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006179**	**.0337978**	**.0001442**	**.0003779**	**-.019646**	**-.001221**	**.0008531**
Stddev	.0003396	.0245150	.0003704	.0001781	.064861	.001098	.0001774
%RSD	54.96049	72.53445	256.8524	47.12826	330.1560	89.87036	20.79404
#1	.0002366	.0516724	.0003759	.0005699	.023420	-.000575	.0009862
#2	.0008877	.0438699	-.000283	.0002181	-.094244	-.002489	.0009213
#3	.0007294	.0058510	.000340	.0003458	.011888	-.000600	.0006517

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.048154**	**-.002154**	**.0037220**	**.0004114**	**-.001882**	**.0089243**	**-.000363**
Stddev	.011380	.000640	.0009525	.0002678	.002042	.0048414	.000630
%RSD	23.63244	29.72091	25.59063	65.10713	108.5436	54.24984	173.4979
#1	-.052350	-.002134	.0048218	.0005239	-.001436	.0143835	.000188
#2	-.056841	-.001524	.0031591	.0006045	-.000099	.0072373	-.000228
#3	-.035272	-.002803	.0031853	.0001056	-.004110	.0051521	-.001050

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB012 Acquired: 1/12/2025 20:17:15 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB012 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000385	-.001672	.0001605
Stddev	.001554	.000912	.0000298
%RSD	404.0819	54.54491	18.59176
#1	.000913	-.002686	.0001298
#2	-.002106	-.000918	.0001894
#3	.000040	-.001413	.0001624

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2666.229	61820.33	8198.951	2961.982	3783.952
Stddev	9.845	254.45	13.246	12.028	6.385
%RSD	.3692417	.4116004	.1615515	.4060793	.1687369
#1	2654.971	61613.86	8214.154	2956.035	3776.703
#2	2673.222	61742.54	8189.904	2954.086	3786.415
#3	2670.495	62104.60	8192.794	2975.825	3788.739

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-01 Acquired: 1/12/2025 20:21:25 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D28 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0129917**	**-.025545**	**.6431273**	**.0028710**	**-.002488**	**25.60429**
Stddev	.0011313	.001731	.0019230	.0013444	.001108	.11624
%RSD	8.707752	6.776634	.2990089	46.82646	44.50942	.4539747
#1	.0122880	-.026566	.6416373	.0041446	-.003764	25.59461
#2	.0142967	-.023547	.6452981	.0030028	-.001767	25.72507
#3	.0123906	-.026524	.6424466	.0014655	-.001935	25.49320

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0578863**	**.0181638**	**.3575186**	**59.84091**	**.0196779**	**.0436153**
Stddev	.0004901	.0001339	.0013132	.26686	.0003194	.0002610
%RSD	.8466759	.7371363	.3673207	.4459570	1.623326	.5983766
#1	.0580713	.0180754	.3560082	59.80555	.0198899	.0433139
#2	.0573306	.0183179	.3583909	60.12369	.0193105	.0437662
#3	.0582569	.0180981	.3581565	59.59348	.0198332	.0437657

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.66198**	**15.04164**	F **101.2394**	**6.684764**	**.0474135**	**.0396938**
Stddev	.08677	.06193	1.1613	.015833	.0005518	.0003285
%RSD	.5540357	.4117233	1.147036	.2368578	1.163704	.8275265
#1	15.58461	15.00873	101.0689	6.703039	.0468519	.0395587
#2	15.75580	15.11307	102.4765	6.676077	.0474340	.0400683
#3	15.64553	15.00310	100.1729	6.675175	.0479548	.0394545

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.990113**	**-.023981**	F **41.02986**	**2.110330**	**6.059980**	**.2736754**
Stddev	.139575	.000178	.63292	.023201	.020299	.0003040
%RSD	4.667878	.7411409	1.542575	1.099387	.3349693	.1110688
#1	2.845620	-.023776	40.36035	2.109552	6.040845	.2735320
#2	3.124185	-.024080	41.11085	2.133910	6.081271	.2734697
#3	3.000533	-.024087	41.61839	2.087529	6.057824	.2740246

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-01 Acquired: 1/12/2025 20:21:25 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D28 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.020442**	F **332.9224**	F **26.98782**	**-.001215**	**-.001265**	**.0297802**
Stddev	.000570	1.2718	.18838	.000917	.000534	.0002514
%RSD	2.788437	.3820146	.6980314	75.51031	42.23254	.8441980
#1	-.020177	331.4980	26.84929	-.000520	-.001055	.0300258
#2	-.020053	333.9443	27.20233	-.000870	-.001872	.0295234
#3	-.021096	333.3248	26.91183	-.002254	-.000868	.0297914

Elem	Sr4077
Units	ppm
Avg	**.1674685**
Stddev	.0005965
%RSD	.3561846
#1	.1672165
#2	.1681497
#3	.1670394

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3554.550**	**82361.67**	**11105.23**	**3975.031**	**3657.438**
Stddev	9.585	226.20	49.23	8.254	12.942
%RSD	.2696541	.2746445	.4433297	.2076586	.3538640
#1	3565.097	82354.96	11151.80	3984.453	3669.032
#2	3552.181	82138.90	11053.71	3971.571	3659.806
#3	3546.371	82591.15	11110.17	3969.070	3643.475

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-02 Acquired: 1/12/2025 20:25:44 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D31 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0016197**	**-.072514**	**3.248178**	**.0708245**	**.0393327**	**36.04030**
Stddev	.0032443	.002552	.009196	.0005924	.0020408	.10441
%RSD	200.3083	3.519704	.2831128	.8364955	5.188622	.2897143
#1	-.002080	-.069612	3.237588	.0712839	.0399296	36.15964
#2	.003978	-.074409	3.252798	.0701558	.0370600	35.99547
#3	.002961	-.073520	3.254148	.0710338	.0410085	35.96579

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0282427**	**.0342717**	**.0622566**	**147.5324**	**.0958812**	**.0265883**
Stddev	.0006545	.0000842	.0002106	.2956	.0014520	.0002264
%RSD	2.317269	.2457603	.3382335	.2003297	1.514358	.8514628
#1	.0275669	.0342095	.0620166	147.8581	.0956792	.0264763
#2	.0282877	.0343675	.0623424	147.4577	.0945407	.0268488
#3	.0288735	.0342380	.0624106	147.2814	.0974235	.0264397

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.66254**	**117.5410**	F **350.7029**	**3.500357**	**.0512322**	**.1445767**
Stddev	.05545	.2587	.4307	.022185	.0005941	.0001880
%RSD	.2446604	.2200958	.1228211	.6337999	1.159653	.1300393
#1	22.72410	117.8182	350.8173	3.518926	.0506523	.1444490
#2	22.61651	117.3059	350.2265	3.475789	.0518396	.1444886
#3	22.64702	117.4990	351.0649	3.506356	.0512048	.1447926

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.649305**	**-.136239**	**14.99968**	**-.510041**	**-.162437**	**.7293293**
Stddev	.389998	.002809	.01784	.024077	.000920	.0008099
%RSD	10.68692	2.061930	.1189088	4.720626	.5666005	.1110487
#1	4.086145	-.135358	14.99343	-.533270	-.162166	.7289399
#2	3.525631	-.133975	15.01980	-.485197	-.161683	.7287877
#3	3.336139	-.139383	14.98580	-.511656	-.163463	.7302604

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-02 Acquired: 1/12/2025 20:25:44 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D31 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.009483	F 461.8680	F 36.79148	-.002601	.0204300	.0116813
Stddev	.000038	.7311	.01903	.000961	.0011704	.0007855
%RSD	.3986152	.1582956	.0517360	36.94097	5.728650	6.724283
#1	-.009527	461.1109	36.80268	-.001550	.0205949	.0125807
#2	-.009459	461.9230	36.76950	-.002821	.0215092	.0113336
#3	-.009465	462.5701	36.80225	-.003433	.0191859	.0111297

Elem	Sr4077
Units	ppm
Avg	.0539573
Stddev	.0001141
%RSD	.2114483
#1	.0540890
#2	.0538890
#3	.0538940

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3027.016	69142.63	9550.482	3408.340	3426.365
Stddev	6.099	290.18	38.834	7.309	9.829
%RSD	.2014800	.4196823	.4066183	.2144505	.2868714
#1	3033.179	68905.28	9530.888	3399.946	3437.713
#2	3026.886	69466.13	9595.210	3413.296	3420.863
#3	3020.983	69056.47	9525.349	3411.778	3420.520

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-03 Acquired: 1/12/2025 20:29:49 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D34 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0287402**	**-.010262**	**1.366716**	**.0075171**	**.0021176**	**22.87156**
Stddev	.0005820	.000666	.000772	.0010860	.0015013	.03112
%RSD	2.025166	6.492184	.0565030	14.44663	70.89446	.1360791
#1	.0290876	-.009513	1.366028	.0062726	.0013089	22.90743
#2	.0290648	-.010486	1.367551	.0082728	.0038498	22.85165
#3	.0280683	-.010788	1.366569	.0080059	.0011940	22.85561

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0437274**	**.0108085**	**.0859406**	**41.72315**	**.0309555**	**.0356828**
Stddev	.0005012	.0000346	.0002421	.11841	.0002710	.0003085
%RSD	1.146231	.3197499	.2817519	.2838107	.8753019	.8644435
#1	.0441943	.0108218	.0861823	41.85804	.0306433	.0360313
#2	.0437902	.0107693	.0859415	41.67506	.0310939	.0354447
#3	.0431978	.0108345	.0856980	41.63634	.0311293	.0355726

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.068885**	**58.42883**	**27.90933**	**6.715113**	**.0405665**	**.0323819**
Stddev	.008450	.06211	.30582	.039027	.0005058	.0000677
%RSD	.2076860	.1063058	1.095780	.5811782	1.246715	.2090053
#1	4.059185	58.49852	27.64890	6.760173	.0402885	.0324201
#2	4.074654	58.40868	28.24609	6.692045	.0402608	.0324218
#3	4.072815	58.37930	27.83298	6.693121	.0411503	.0323037

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.381927**	**.0012817**	**13.80121**	**.8541834**	**5.576136**	**.4811740**
Stddev	.123817	.0006457	.04646	.0193142	.012481	.0005837
%RSD	3.661126	50.38095	.3366273	2.261129	.2238293	.1213158
#1	3.416327	.0013853	13.85075	.8560809	5.584932	.4818147
#2	3.484906	.0005904	13.79427	.8339904	5.581626	.4810351
#3	3.244548	.0018693	13.75861	.8724787	5.561851	.4806723

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-03 Acquired: 1/12/2025 20:29:49 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D34 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002235	F 376.5542	F 14.37897	-.003725	.0298190	.0177006
Stddev	.000124	.4480	.12468	.000424	.0004600	.0014299
%RSD	5.547592	.1189731	.8670901	11.38899	1.542707	8.078024
#1	-.002375	376.5577	14.49872	-.003371	.0297594	.0193006
#2	-.002188	377.0004	14.38831	-.004195	.0293916	.0165478
#3	-.002141	376.1044	14.24989	-.003608	.0303059	.0172533

Elem	Sr4077
Units	ppm
Avg	.1362331
Stddev	.0003472
%RSD	.2548221
#1	.1358535
#2	.1363113
#3	.1365345

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3419.944	79395.13	11157.84	3862.200	3670.876
Stddev	2.313	333.81	48.64	21.103	.625
%RSD	.0676453	.4204466	.4358829	.5463905	.0170137
#1	3417.868	79033.09	11113.58	3838.900	3671.456
#2	3422.438	79461.57	11150.03	3867.674	3670.215
#3	3419.527	79690.72	11209.91	3880.027	3670.958

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-04 Acquired: 1/12/2025 20:33:53 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D37 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0083795	-.046279	4.530566	.0315616	.0349333	24.83898
Stddev	.0006865	.002409	.009661	.0018529	.0008379	.14062
%RSD	8.192224	5.205773	.2132445	5.870701	2.398706	.5661105
#1	.0075954	-.048314	4.541347	.0336281	.0358069	24.79594
#2	.0086709	-.043618	4.522691	.0300484	.0341362	24.99609
#3	.0088722	-.046904	4.527662	.0310084	.0348567	24.72492

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0103565	.0216097	.9815924	61.36955	.0222060	.1378495
Stddev	.0000265	.0002111	.0015803	.24600	.0007118	.0001538
%RSD	.2561951	.9770075	.1609937	.4008445	3.205449	.1115323
#1	.0103305	.0216875	.9833134	61.36670	.0224791	.1378148
#2	.0103835	.0213707	.9812574	61.61695	.0227409	.1380177
#3	.0103555	.0217708	.9802065	61.12499	.0213981	.1377161

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 169.9475	68.37157	F 135.1874	4.353348	.0497232	.1238207
Stddev	.9507	.31584	.2518	.023871	.0005129	.0003596
%RSD	.5594032	.4619481	.1862429	.5483257	1.031551	.2904451
#1	168.9840	68.30038	135.3574	4.355371	.0501716	.1238509
#2	169.9738	68.71693	134.8982	4.376143	.0491639	.1241643
#3	170.8848	68.09740	135.3067	4.328530	.0498342	.1234469

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.189359	-.046054	F 43.61406	3.359294	.5514539	.5262568
Stddev	.049378	.002256	.58150	.025039	.0061461	.0005404
%RSD	1.178652	4.899062	1.333281	.7453527	1.114518	.1026920
#1	4.169303	-.044171	43.94786	3.387644	.5455807	.5263355
#2	4.153164	-.045435	42.94261	3.340207	.5509404	.5267535
#3	4.245609	-.048555	43.95171	3.350030	.5578406	.5256813

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-04 Acquired: 1/12/2025 20:33:53 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D37 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.024592**	F **340.2198**	F **37.07303**	**.0030037**	**.0076770**	**.0118850**
Stddev	.000505	.0929	.18678	.0009133	.0000572	.0005928
%RSD	2.053771	.0272981	.5038176	30.40457	.7449545	4.987719
#1	-.024228	340.3257	37.28051	.0026608	.0076146	.0113034
#2	-.025169	340.1523	36.91829	.0040387	.0076893	.0124884
#3	-.024379	340.1813	37.02029	.0023115	.0077270	.0118633

Elem	Sr4077
Units	ppm
Avg	**.0608120**
Stddev	.0004034
%RSD	.6632941
#1	.0605558
#2	.0612769
#3	.0606032

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2898.429**	**75991.33**	**10473.18**	**3619.358**	**3547.061**
Stddev	3.252	208.82	53.89	5.755	.563
%RSD	.1122016	.2747903	.5145995	.1590051	.0158737
#1	2899.617	75839.26	10421.32	3616.188	3546.755
#2	2894.750	75905.32	10528.90	3626.001	3547.711
#3	2900.920	76229.42	10469.31	3615.885	3546.718

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-05 Acquired: 1/12/2025 20:38:22 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D40 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2095191**	**.0003419**	**.1884478**	**-.005517**	**.1000622**	**-.216519**
Stddev	.0030543	.0007387	.0007337	.001996	.0008877	.016200
%RSD	1.457770	216.0839	.3893177	36.17228	.8871252	7.481810
#1	.2128689	.0008859	.1888867	-.006043	.0993964	-.199181
#2	.2087998	-.000499	.1876009	-.003311	.0997202	-.231268
#3	.2068887	.000639	.1888559	-.007197	.1010700	-.219107

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0882384**	**.0000153**	**.0090032**	F **864.9971**	**-.000065**	**.0003107**
Stddev	.0007027	.0000812	.0001116	6.9809	.000325	.0005077
%RSD	.7963514	532.4194	1.239926	.8070396	498.1271	163.3971
#1	.0890176	.0000427	.0088979	864.5869	-.000060	-.000090
#2	.0880445	.0000792	.0091202	858.2303	-.000393	.000882
#3	.0876530	-.000076	.0089914	872.1740	.000257	.000140

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6433584**	**.0112329**	**.3962744**	**6.060866**	**.0068926**	**-.000137**
Stddev	.0041636	.0040446	.0047247	.031458	.0003268	.000119
%RSD	.6471739	36.00674	1.192282	.5190381	4.741853	87.07248
#1	.6465698	.0158286	.4014217	6.056594	.0072514	-.000148
#2	.6448512	.0082149	.3952665	6.031762	.0066119	-.000012
#3	.6386541	.0096553	.3921349	6.094241	.0068145	-.000250

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.013205**	**-.000654**	**5.867506**	**-.278545**	**.0079687**	**.1003948**
Stddev	.089408	.000814	.016572	.055407	.0008650	.0006502
%RSD	2.967198	124.4105	.2824303	19.89164	10.85553	.6476258
#1	3.097019	-.000991	5.861553	-.216952	.0073264	.1008801
#2	2.919095	-.001246	5.854733	-.294354	.0076272	.1006483
#3	3.023501	.000274	5.886232	-.324330	.0089523	.0996561

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-05 Acquired: 1/12/2025 20:38:22 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D40 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0045102	F 392.4433	6.551444	-.005383	-.027776	.0165928
Stddev	.0002645	.5765	.027859	.001157	.000855	.0012354
%RSD	5.864800	.1468962	.4252380	21.48542	3.076777	7.445675
#1	.0047957	391.8053	6.580857	-.005371	-.027661	.0161444
#2	.0044614	392.9267	6.548020	-.004233	-.026984	.0156442
#3	.0042734	392.5978	6.525455	-.006546	-.028682	.0179899

Elem	Sr4077
Units	ppm
Avg	.5768398
Stddev	.0018431
%RSD	.3195210
#1	.5770982
#2	.5748811
#3	.5785401

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2436.302	56099.35	8072.284	2709.208	3184.902
Stddev	1.451	102.16	20.026	5.574	6.411
%RSD	.0595754	.1820979	.2480805	.2057488	.2012865
#1	2437.010	56127.09	8070.272	2712.639	3190.869
#2	2434.633	56184.78	8053.340	2712.209	3178.124
#3	2437.265	55986.19	8093.239	2702.776	3185.711

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-06 Acquired: 1/12/2025 20:42:32 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D43 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0235035	-.017839	4.826834	.0100381	-.001680	36.39560
Stddev	.0005453	.001303	.007975	.0007292	.000946	.11355
%RSD	2.320233	7.302976	.1652285	7.264848	56.32497	.3119943
#1	.0237626	-.019127	4.826856	.0106473	-.001912	36.30992
#2	.0238710	-.017868	4.834798	.0102369	-.000639	36.35250
#3	.0228769	-.016522	4.818847	.0092301	-.002488	36.52440

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0138827	.0255632	.0491289	72.78454	.0503839	.0344312
Stddev	.0010749	.0001213	.0001617	.15524	.0004162	.0000805
%RSD	7.742854	.4746418	.3290411	.2132938	.8260365	.2338724
#1	.0146874	.0256583	.0492081	72.64346	.0503880	.0343383
#2	.0126620	.0256047	.0492356	72.75931	.0499656	.0344791
#3	.0142988	.0254265	.0489429	72.95086	.0507980	.0344763

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.624943	73.31865	F 46.58387	7.698921	.0359185	.0983328
Stddev	.007208	.21554	.48733	.006743	.0001383	.0003776
%RSD	.1988316	.2939822	1.046132	.0875841	.3850965	.3839837
#1	3.626486	73.16150	46.86132	7.698897	.0359829	.0981546
#2	3.631255	73.23008	46.86911	7.705675	.0357597	.0980773
#3	3.617089	73.56436	46.02116	7.692189	.0360129	.0987665

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.307442	-.008985	9.618488	-.004713	8.634697	.5238832
Stddev	.161831	.001721	.039987	.034516	.027934	.0002892
%RSD	4.892923	19.15304	.4157282	732.3085	.3235090	.0552072
#1	3.126444	-.010339	9.641671	-.043749	8.604540	.5236975
#2	3.357707	-.009567	9.641477	.007841	8.659685	.5237357
#3	3.438176	-.007048	9.572315	.021768	8.639868	.5242164

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-06 Acquired: 1/12/2025 20:42:32 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D43 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001417	F 424.7702	F 19.96442	-.002259	.0088553	.0252182
Stddev	.000258	.8074	.11882	.000701	.0003857	.0011660
%RSD	18.16745	.1900823	.5951444	31.02418	4.355689	4.623706
#1	-.001168	423.8882	19.97516	-.001461	.0093004	.0241425
#2	-.001402	425.4728	20.07751	-.002774	.0086187	.0264573
#3	-.001682	424.9494	19.84060	-.002542	.0086469	.0250547

Elem	Sr4077
Units	ppm
Avg	.1899788
Stddev	.0009678
%RSD	.5094292
#1	.1896723
#2	.1892013
#3	.1910627

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3415.909	79231.35	11189.34	3866.275	3605.171
Stddev	3.573	205.71	73.21	21.160	3.248
%RSD	.1045898	.2596305	.6542500	.5473068	.0901013
#1	3417.519	78994.77	11119.07	3849.491	3608.918
#2	3418.392	79368.13	11183.79	3859.290	3603.445
#3	3411.814	79331.13	11265.16	3890.045	3603.150

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-07 Acquired: 1/12/2025 20:46:37 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D46 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9231371**	**-.000206**	**2.925281**	**.0120222**	**.3073549**	**3.561791**
Stddev	.0016411	.001921	.004440	.0002489	.0038316	.022108
%RSD	.1777686	933.4527	.1517896	2.070239	1.246654	.6207010
#1	.9240353	-.001041	2.923579	.0121681	.3034645	3.537423
#2	.9212430	.001991	2.930320	.0121636	.3111249	3.567383
#3	.9241330	-.001568	2.921943	.0117348	.3074754	3.580565

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0321656**	**.0000710**	**.0302220**	**3.988878**	**.0021796**	**.0036280**
Stddev	.0003412	.0001128	.0001452	.015950	.0003854	.0001229
%RSD	1.060642	158.8729	.4803483	.3998598	17.68458	3.388579
#1	.0317737	.0001877	.0301889	3.974478	.0020135	.0036074
#2	.0323266	.0000626	.0303809	3.986135	.0019050	.0037599
#3	.0323964	-.000037	.0300962	4.006022	.0026202	.0035166

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.47285**	**62.47605**	**1.697494**	**.9004161**	**.0039678**	**.0161833**
Stddev	.01284	.21034	.008484	.0097180	.0006752	.0002888
%RSD	.1118860	.3366672	.4997773	1.079281	17.01678	1.784696
#1	11.48095	62.28729	1.688705	.9101267	.0038825	.0158857
#2	11.45805	62.43808	1.705635	.8906907	.0046815	.0164625
#3	11.47955	62.70279	1.698142	.9004309	.0033393	.0162015

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.964444**	**.0180463**	**6.897867**	**-.673346**	**.2241804**	**.5754878**
Stddev	.193193	.0020165	.022381	.018458	.0010492	.0019106
%RSD	4.873151	11.17423	.3244565	2.741173	.4680200	.3319956
#1	3.986380	.0160271	6.908274	-.671470	.2242423	.5746852
#2	4.145734	.0200601	6.872178	-.655898	.2231016	.5741095
#3	3.761220	.0180517	6.913149	-.692670	.2251973	.5776688

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-07 Acquired: 1/12/2025 20:46:37 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D46 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056744	F 339.7331	2.870659	-.002309	.0000113	-.001319
Stddev	.0002094	.5295	.001260	.000504	.0008539	.000915
%RSD	3.690577	.1558567	.0439023	21.83047	7528.200	69.36314
#1	.0058813	339.3555	2.872095	-.002823	.0007682	-.001829
#2	.0054626	340.3383	2.870145	-.001815	-.000914	-.000263
#3	.0056792	339.5054	2.869737	-.002290	.000180	-.001865

Elem	Sr4077
Units	ppm
Avg	.0668164
Stddev	.0003120
%RSD	.4669390
#1	.0665175
#2	.0667916
#3	.0671400

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2688.332	63929.45	8588.398	3080.103	3804.575
Stddev	5.987	121.23	26.005	11.923	8.884
%RSD	.2227040	.1896340	.3027909	.3871040	.2334957
#1	2691.412	64014.28	8561.565	3080.597	3805.997
#2	2681.432	63983.48	8590.142	3091.773	3795.066
#3	2692.153	63790.60	8613.487	3067.941	3812.662

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-08 Acquired: 1/12/2025 20:50:35 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D49 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2255656	-.023407	3.518229	.0152164	.0866237	10.22203
Stddev	.0018977	.001173	.002146	.0028134	.0009196	.04219
%RSD	.8413045	5.009588	.0610099	18.48954	1.061644	.4127605
#1	.2253475	-.022129	3.520689	.0184508	.0860301	10.25318
#2	.2237865	-.024433	3.516736	.0138631	.0876830	10.17401
#3	.2275630	-.023659	3.517262	.0133353	.0861578	10.23890

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0267183	.0040298	.1227695	13.51967	.0087769	.0448257
Stddev	.0004945	.0000553	.0001365	.06697	.0003744	.0002815
%RSD	1.850753	1.373341	.1111625	.4953318	4.265643	.6279915
#1	.0272823	.0040815	.1229252	13.54052	.0086224	.0449711
#2	.0265136	.0039714	.1226706	13.44476	.0085045	.0445013
#3	.0263590	.0040365	.1227125	13.57373	.0092038	.0450048

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.717173	80.40645	F 40.91852	2.468555	.0171065	.0102104
Stddev	.019136	.35654	.19732	.012482	.0003422	.0003932
%RSD	.1969254	.4434272	.4822258	.5056229	2.000309	3.851484
#1	9.697708	80.67272	40.72380	2.463043	.0170084	.0104343
#2	9.735962	80.00138	41.11834	2.482843	.0168241	.0097563
#3	9.717849	80.54526	40.91341	2.459778	.0174870	.0104406

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.515625	.0556285	23.82323	-.324686	.6881004	.6197378
Stddev	.294630	.0013516	.20856	.017920	.0017543	.0006548
%RSD	8.380592	2.429739	.8754626	5.519251	.2549519	.1056636
#1	3.533215	.0540718	23.67956	-.310907	.6882744	.6196298
#2	3.801066	.0563101	24.06245	-.318206	.6862655	.6204399
#3	3.212594	.0565036	23.72769	-.344945	.6897612	.6191437

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-08 Acquired: 1/12/2025 20:50:35 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D49 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008750	F 383.7046	7.150346	-.001520	.0006445	.0083058
Stddev	.0004096	1.1134	.015773	.000850	.0003942	.0002613
%RSD	46.81150	.2901629	.2205967	55.94100	61.15392	3.145811
#1	.0005669	384.2307	7.137288	-.001143	.0002185	.0082341
#2	.0007183	382.4257	7.167871	-.000924	.0009963	.0080879
#3	.0013398	384.4574	7.145878	-.002494	.0007188	.0085955

Elem	Sr4077
Units	ppm
Avg	.0638828
Stddev	.0003323
%RSD	.5202209
#1	.0639809
#2	.0635124
#3	.0641550

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2747.304	65817.68	8725.013	3167.857	3751.683
Stddev	1.586	118.83	66.482	21.054	3.624
%RSD	.0577370	.1805387	.7619740	.6646100	.0966009
#1	2747.724	65887.49	8759.717	3191.115	3755.674
#2	2748.638	65680.47	8648.360	3150.097	3750.778
#3	2745.550	65885.06	8766.961	3162.359	3748.597

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-09 Acquired: 1/12/2025 20:54:50 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D52 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0601862**	**-.005009**	**4.928515**	**.0154469**	**.0129892**	**24.93640**
Stddev	.0008316	.001745	.009832	.0012343	.0007988	.07353
%RSD	1.381800	34.84031	.1994953	7.990383	6.149714	.2948585
#1	.0602985	-.005633	4.931853	.0168504	.0130347	24.85365
#2	.0609560	-.006356	4.936245	.0149592	.0121686	24.96134
#3	.0593041	-.003037	4.917449	.0145309	.0137642	24.99421

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0194500**	**.0027108**	**.0236359**	**41.87205**	**.0506387**	**.0296936**
Stddev	.0002214	.0000603	.0000736	.05882	.0005151	.0001895
%RSD	1.138374	2.225561	.3115248	.1404766	1.017251	.6381199
#1	.0193934	.0026965	.0236091	41.80672	.0507477	.0298280
#2	.0192624	.0027771	.0237192	41.92080	.0510905	.0294769
#3	.0196942	.0026590	.0235794	41.88862	.0500778	.0297760

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.22209**	**90.15243**	**12.33405**	**3.457829**	**.0395013**	**-.005982**
Stddev	.02160	.27415	.00960	.008187	.0003067	.000396
%RSD	.1766981	.3040991	.0777976	.2367617	.7764447	6.617850
#1	12.22605	89.83640	12.32301	3.457321	.0395407	-.006165
#2	12.24144	90.29447	12.33877	3.449909	.0397864	-.005528
#3	12.19879	90.32641	12.34037	3.466259	.0391768	-.006253

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.074537**	**.0258189**	**5.318344**	**.6762002**	**5.414299**	**.6645881**
Stddev	.060163	.0011279	.010613	.0234806	.009526	.0009211
%RSD	1.476567	4.368613	.1995581	3.472441	.1759329	.1385984
#1	4.037276	.0270440	5.315501	.6490899	5.416033	.6647315
#2	4.042390	.0248235	5.330089	.6894138	5.422838	.6636037
#3	4.143945	.0255894	5.309442	.6900969	5.404026	.6654291

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-09 Acquired: 1/12/2025 20:54:50 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D52 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0029481	F 341.5615	F 13.56071	-.002762	.0239212	.0058259
Stddev	.0003913	.8037	.04454	.001765	.0000449	.0007819
%RSD	13.27177	.2353108	.3284532	63.88679	.1876596	13.42158
#1	.0029342	341.4123	13.60959	-.003722	.0239472	.0054174
#2	.0033461	342.4293	13.55015	-.003839	.0238694	.0053329
#3	.0025639	340.8428	13.52241	-.000726	.0239470	.0067275

Elem	Sr4077
Units	ppm
Avg	.0883067
Stddev	.0002180
%RSD	.2469089
#1	.0881073
#2	.0882732
#3	.0885395

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3002.504	70713.49	9701.875	3391.115	3790.138
Stddev	5.767	308.09	24.246	12.041	5.125
%RSD	.1920679	.4356896	.2499080	.3550775	.1352320
#1	3002.066	71061.53	9706.267	3403.632	3786.146
#2	2996.970	70475.65	9675.733	3379.614	3788.350
#3	3008.478	70603.29	9723.624	3390.099	3795.918

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-10 Acquired: 1/12/2025 20:58:48 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D55 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0262786**	**-.006606**	**5.719120**	**.0039834**	**-.001033**	**25.39966**
Stddev	.0021154	.000371	.001397	.0028650	.000835	.12775
%RSD	8.049802	5.623479	.0244187	71.92316	80.79036	.5029716
#1	.0242196	-.006951	5.720524	.0051461	-.000873	25.52859
#2	.0261700	-.006655	5.719106	.0007199	-.000291	25.39729
#3	.0284462	-.006213	5.717731	.0060844	-.001937	25.27311

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0226896**	**.0090238**	**.0986500**	**68.80270**	**.0118604**	**.0643405**
Stddev	.0009549	.0000839	.0000847	.30232	.0001920	.0000894
%RSD	4.208560	.9296676	.0858379	.4394021	1.618936	.1388939
#1	.0235353	.0090578	.0987123	69.05842	.0119675	.0642381
#2	.0228795	.0089283	.0986842	68.88064	.0119750	.0643809
#3	.0216540	.0090854	.0985536	68.46904	.0116387	.0644026

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.310017**	**35.56492**	**20.05089**	**7.085385**	**.0313553**	**-.001555**
Stddev	.006433	.16279	.11807	.035969	.0001079	.000234
%RSD	.1492608	.4577395	.5888530	.5076550	.3441672	15.04021
#1	4.316149	35.69748	20.12359	7.111025	.0314163	-.001819
#2	4.303320	35.61408	19.91466	7.100863	.0312307	-.001470
#3	4.310582	35.38322	20.11443	7.044268	.0314188	-.001375

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.725267**	**.0144917**	**13.90555**	**2.388069**	**8.557910**	**.3991505**
Stddev	.018919	.0014670	.03363	.022625	.024852	.0011002
%RSD	.5078481	10.12340	.2418786	.9474200	.2903971	.2756256
#1	3.707143	.0136909	13.86936	2.414042	8.538507	.3978808
#2	3.723765	.0135993	13.91143	2.377521	8.585922	.3998214
#3	3.744891	.0161849	13.93585	2.372643	8.549303	.3997493

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-10 Acquired: 1/12/2025 20:58:48 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D55 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.002857**	F **348.8884**	F **16.50599**	**-.003115**	**.0166732**	**.0160560**
Stddev	.000419	.4797	.02289	.000096	.0005706	.0005390
%RSD	14.66571	.1374837	.1386571	3.092124	3.422514	3.357008
#1	-.003214	348.6762	16.48670	-.003042	.0170468	.0156802
#2	-.002961	349.4375	16.53128	-.003078	.0160164	.0166736
#3	-.002396	348.5514	16.49999	-.003224	.0169565	.0158143

Elem	Sr4077
Units	ppm
Avg	**.2442082**
Stddev	.0016561
%RSD	.6781579
#1	.2457429
#2	.2444289
#3	.2424528

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3333.418**	**79631.27**	**10772.78**	**3796.116**	**3644.174**
Stddev	7.344	130.24	56.86	17.530	2.837
%RSD	.2202999	.1635542	.5277657	.4617872	.0778633
#1	3329.879	79585.11	10806.16	3815.189	3643.182
#2	3328.513	79778.31	10805.06	3792.449	3641.966
#3	3341.860	79530.40	10707.13	3780.709	3647.374

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-11 Acquired: 1/12/2025 21:02:51 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D58 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0854018**	**-.013262**	**3.635046**	**.0170472**	**.1212112**	**17.97165**
Stddev	.0023645	.001672	.009196	.0019149	.0018312	.08342
%RSD	2.768707	12.61082	.2529923	11.23264	1.510781	.4642002
#1	.0844759	-.011429	3.625792	.0155077	.1221470	17.95958
#2	.0880891	-.013654	3.635162	.0164425	.1223854	18.06046
#3	.0836403	-.014704	3.644183	.0191914	.1191011	17.89492

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0286655**	**.0049419**	**.1050408**	**42.46837**	**.0244696**	**.0297308**
Stddev	.0003506	.0000960	.0005220	.21687	.0001196	.0001647
%RSD	1.223225	1.942616	.4969209	.5106539	.4886897	.5538281
#1	.0290452	.0050270	.1044435	42.61005	.0243475	.0295716
#2	.0283539	.0048378	.1052697	42.57635	.0245865	.0299004
#3	.0285975	.0049608	.1054092	42.21872	.0244747	.0297203

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **60.16468**	**107.6482**	**20.99059**	**2.571548**	**.0126801**	**.1123890**
Stddev	.10339	.6442	.13053	.026719	.0003520	.0004348
%RSD	.1718456	.5984619	.6218437	1.039029	2.776123	.3868637
#1	60.04781	107.7529	20.86030	2.587622	.0129187	.1123416
#2	60.20201	108.2336	21.12136	2.586318	.0122758	.1128456
#3	60.24422	106.9580	20.99013	2.540705	.0128458	.1119799

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.386505**	**-.000860**	**18.04914**	**.2169311**	**.4053412**	**.7376482**
Stddev	.061987	.000204	.04616	.0604799	.0026244	.0025058
%RSD	1.413122	23.72612	.2557357	27.87978	.6474559	.3397034
#1	4.354273	-.000813	18.06555	.1987615	.4023515	.7370194
#2	4.347275	-.000684	18.08484	.2844130	.4064080	.7404085
#3	4.457967	-.001084	17.99701	.1676189	.4072643	.7355167

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-11 Acquired: 1/12/2025 21:02:51 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D58 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003401	F 350.0785	F 19.82841	-.003570	.0097952	.0034520
Stddev	.000196	1.0900	.06919	.000464	.0009895	.0010724
%RSD	5.777781	.3113712	.3489192	13.00501	10.10191	31.06678
#1	-.003209	348.8540	19.89808	-.004097	.0099454	.0046885
#2	-.003392	350.4386	19.75972	-.003219	.0107010	.0027758
#3	-.003601	350.9430	19.82745	-.003395	.0087392	.0028916

Elem	Sr4077
Units	ppm
Avg	.0927808
Stddev	.0005911
%RSD	.6371338
#1	.0929204
#2	.0932897
#3	.0921324

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2723.917	65575.82	9137.146	3141.569	3680.160
Stddev	2.150	154.30	55.674	13.359	5.233
%RSD	.0789390	.2353035	.6093110	.4252473	.1421833
#1	2726.323	65729.67	9168.701	3142.256	3686.104
#2	2723.246	65421.07	9169.872	3127.879	3676.249
#3	2722.182	65576.71	9072.863	3154.572	3678.127

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-12 Acquired: 1/12/2025 21:06:58 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D61 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0298601**	**-.006187**	**5.799529**	**.0056324**	**-.001440**	**27.52531**
Stddev	.0001489	.001887	.011663	.0003598	.001346	.06168
%RSD	.4985261	30.49745	.2010956	6.389055	93.42697	.2240984
#1	.0300239	-.004497	5.787320	.0053251	-.002939	27.56900
#2	.0298237	-.008223	5.800711	.0055438	-.000335	27.55219
#3	.0297329	-.005841	5.810555	.0060282	-.001048	27.45475

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0217378**	**.0245554**	**.0428883**	**46.38156**	**.0324967**	**.0331418**
Stddev	.0005092	.0001262	.0000133	.11157	.0002953	.0002943
%RSD	2.342591	.5138660	.0311347	.2405466	.9086242	.8880155
#1	.0220272	.0244134	.0428824	46.50210	.0328326	.0332882
#2	.0211499	.0245979	.0429036	46.36067	.0322782	.0328030
#3	.0220364	.0246548	.0428789	46.28191	.0323792	.0333342

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.100376**	**39.10617**	**22.09897**	**6.371551**	**.0362128**	**.0094201**
Stddev	.004289	.06492	.34505	.011094	.0003946	.0001378
%RSD	.1046052	.1659991	1.561365	.1741254	1.089556	1.462780
#1	4.101774	39.17619	21.71546	6.383041	.0362966	.0095766
#2	4.095562	39.09435	22.38426	6.360899	.0357831	.0093668
#3	4.103791	39.04798	22.19718	6.370714	.0365588	.0093169

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.021870**	**.0032160**	**7.176479**	**.6237018**	**8.666773**	**.3740833**
Stddev	.175932	.0010156	.014750	.0283049	.012886	.0003086
%RSD	5.821972	31.58058	.2055268	4.538210	.1486810	.0824869
#1	2.873373	.0032285	7.166150	.6056264	8.655879	.3737303
#2	2.976060	.0021942	7.169916	.6091571	8.663444	.3743017
#3	3.216176	.0042253	7.193371	.6563219	8.680997	.3742178

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-12 Acquired: 1/12/2025 21:06:58 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D61 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000072**	F **370.7043**	F **15.01434**	**-.002173**	**.0260937**	**.0255769**
Stddev	.000201	.6343	.00657	.000170	.0008058	.0000778
%RSD	279.6538	.1710988	.0437820	7.817801	3.088161	.3041490
#1	-.000037	370.0228	15.01243	-.002184	.0267031	.0254954
#2	.000110	370.8128	15.00893	-.002338	.0251800	.0256504
#3	-.000289	371.2773	15.02165	-.001998	.0263979	.0255850

Elem	Sr4077
Units	ppm
Avg	**.1316195**
Stddev	.0004483
%RSD	.3406097
#1	.1316658
#2	.1320428
#3	.1311498

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3571.954**	**84526.38**	**11685.26**	**4073.412**	**3632.933**
Stddev	2.048	69.48	23.56	7.594	3.571
%RSD	.0573470	.0821975	.2016201	.1864243	.0982827
#1	3572.400	84499.32	11707.64	4065.630	3636.100
#2	3573.742	84474.51	11687.48	4080.803	3633.635
#3	3569.719	84605.32	11660.67	4073.801	3629.063

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-13 Acquired: 1/12/2025 21:11:03 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D64 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0254713**	**-.003012**	**4.533479**	**.0024138**	**-.002410**	**20.45038**
Stddev	.0012999	.000175	.018708	.0013543	.000802	.12251
%RSD	5.103300	5.809083	.4126537	56.10674	33.29017	.5990723
#1	.0248515	-.002810	4.520894	.0008544	-.001977	20.44838
#2	.0269650	-.003107	4.524567	.0030914	-.003336	20.57388
#3	.0245972	-.003119	4.554976	.0032956	-.001917	20.32888

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0190433**	**.0086014**	**.0144291**	**64.84644**	**.0286130**	**.0205690**
Stddev	.0005570	.0000558	.0000967	.35169	.0002252	.0002749
%RSD	2.925005	.6489191	.6698517	.5423503	.7868924	1.336466
#1	.0184002	.0085749	.0144390	64.89535	.0284152	.0204943
#2	.0193739	.0085637	.0143279	65.17112	.0285659	.0203392
#3	.0193558	.0086655	.0145205	64.47285	.0288580	.0208736

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.412664**	**29.78508**	**9.553919**	**6.519245**	**.0180583**	**.0053808**
Stddev	.004448	.15511	.053657	.033869	.0003628	.0000803
%RSD	.3148402	.5207772	.5616275	.5195216	2.008866	1.492050
#1	1.417793	29.74593	9.551857	6.509122	.0178060	.0053380
#2	1.409887	29.95602	9.608578	6.557021	.0184740	.0053310
#3	1.410311	29.65330	9.501322	6.491592	.0178948	.0054734

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.795904**	**.0330469**	**4.600479**	**.4056679**	F **13.46392**	**.3851480**
Stddev	.057597	.0014267	.011050	.0088135	.05169	.0007046
%RSD	1.517346	4.317187	.2402026	2.172578	.3839287	.1829466
#1	3.746404	.0325466	4.612058	.3986389	13.45061	.3849429
#2	3.782187	.0319378	4.590046	.4028088	13.42019	.3845687
#3	3.859121	.0346564	4.599334	.4155559	13.52097	.3859324

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-13 Acquired: 1/12/2025 21:11:03 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D64 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007413	F 363.9558	F 19.89325	-.003001	.0101932	.0279645
Stddev	.0001478	1.8518	.05390	.000178	.0007311	.0008111
%RSD	19.93507	.5087855	.2709650	5.927282	7.172506	2.900332
#1	.0008904	363.0024	19.88238	-.003194	.0102045	.0288130
#2	.0007385	362.7750	19.95176	-.002844	.0109185	.0278837
#3	.0005949	366.0900	19.84561	-.002966	.0094564	.0271969

Elem	Sr4077
Units	ppm
Avg	.1643109
Stddev	.0007207
%RSD	.4386285
#1	.1644878
#2	.1649267
#3	.1635182

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3078.134	71495.96	9937.108	3462.526	3664.324
Stddev	3.870	288.59	7.744	13.007	14.225
%RSD	.1257318	.4036388	.0779342	.3756611	.3882039
#1	3081.037	71616.44	9928.450	3447.564	3673.771
#2	3079.625	71166.65	9939.496	3471.147	3671.238
#3	3073.740	71704.78	9943.377	3468.867	3647.964

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-14 Acquired: 1/12/2025 21:15:01 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D67 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.007732	-.080465	3.023859	.0209599	-.009893	18.69076
Stddev	.002157	.004093	.009302	.0005781	.002731	.06891
%RSD	27.89226	5.086344	.3076150	2.758031	27.60417	.3686864
#1	-.009478	-.076195	3.019939	.0211604	-.008780	18.61514
#2	-.005321	-.084353	3.017159	.0203083	-.007895	18.70714
#3	-.008396	-.080848	3.034479	.0214110	-.013005	18.75001

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0140787	.0343895	1.371175	346.4393	.0401753	.1695326
Stddev	.0004191	.0001105	.001981	2.4265	.0007028	.0005237
%RSD	2.976726	.3213862	.1444498	.7004022	1.749400	.3088968
#1	.0144911	.0345089	1.372317	349.1720	.0393796	.1689772
#2	.0140919	.0342908	1.368888	344.5372	.0404346	.1700174
#3	.0136532	.0343687	1.372321	345.6086	.0407116	.1696033

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.333584	1.133555	F 278.5874	8.531502	.3023986	.0539540
Stddev	.017876	.002330	.6084	.070196	.0013975	.0001569
%RSD	.3351531	.2055104	.2183981	.8227918	.4621274	.2908664
#1	5.313433	1.131445	279.2076	8.451565	.3029503	.0540958
#2	5.339787	1.136055	278.5630	8.583094	.3008095	.0539808
#3	5.347531	1.133164	277.9915	8.559848	.3034360	.0537854

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.501663	-.086850	F 42.06923	9.905482	-.266453	.1915006
Stddev	.205354	.002069	.01271	.112438	.002469	.0008400
%RSD	5.864481	2.382352	.0302109	1.135106	.9265586	.4386186
#1	3.667614	-.088755	42.08354	9.777445	-.264092	.1919289
#2	3.565370	-.084648	42.06491	9.950872	-.269017	.1905328
#3	3.272006	-.087147	42.05925	9.988130	-.266252	.1920401

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-14 Acquired: 1/12/2025 21:15:01 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D67 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.022705	F 494.3263	F 22.80771	-.002938	-.012097	.0271506
Stddev	.000184	1.4106	.05771	.000169	.000891	.0012706
%RSD	.8084928	.2853586	.2530276	5.756462	7.368850	4.679783
#1	-.022916	494.9336	22.74351	-.002811	-.012940	.0285150
#2	-.022580	492.7138	22.82432	-.002873	-.012187	.0260013
#3	-.022619	495.3316	22.85529	-.003130	-.011164	.0269355

Elem	Sr4077
Units	ppm
Avg	.3652525
Stddev	.0017438
%RSD	.4774128
#1	.3632931
#2	.3658308
#3	.3666337

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2952.533	68378.50	9549.739	3332.876	3230.068
Stddev	4.922	82.57	25.898	10.235	8.452
%RSD	.1667013	.1207485	.2711909	.3070801	.2616761
#1	2952.810	68423.31	9533.937	3338.032	3234.532
#2	2957.310	68428.98	9579.627	3339.508	3235.351
#3	2947.478	68283.22	9535.654	3321.089	3220.319

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-15 Acquired: 1/12/2025 21:19:30 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D70 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.010108**	**-.130626**	**.0912525**	**.0017077**	**-.002062**	**1.936483**
Stddev	.001514	.005672	.0005640	.0055502	.001525	.018477
%RSD	14.98170	4.342206	.6181054	325.0038	73.93663	.9541598
#1	-.009707	-.126300	.0911148	-.001365	-.002164	1.955199
#2	-.008835	-.128530	.0907701	.008115	-.003534	1.918255
#3	-.011783	-.137048	.0918727	-.001626	-.000489	1.935995

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0567588**	**.0343090**	**.5360564**	**442.3076**	**.0149678**	**.5031395**
Stddev	.0003017	.0000785	.0010292	1.0855	.0005267	.0014083
%RSD	.5315281	.2289087	.1919877	.2454287	3.519044	.2799015
#1	.0570020	.0342675	.5371388	441.7626	.0143902	.5046719
#2	.0564212	.0342599	.5359401	443.5577	.0154216	.5019020
#3	.0568533	.0343996	.5350904	441.6026	.0150915	.5028447

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1035322**	**.5725625**	F **196.4822**	**37.82877**	**.2472879**	**.0335408**
Stddev	.0005837	.0069708	.8415	.22767	.0000932	.0004012
%RSD	.5637967	1.217483	.4282610	.6018305	.0377008	1.196066
#1	.1028623	.5785143	196.4757	38.05145	.2472380	.0339161
#2	.1039310	.5742797	195.6440	37.59642	.2473954	.0331180
#3	.1038034	.5648935	197.3268	37.83843	.2472302	.0335884

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.148831**	**-.049562**	F **54.14620**	**.4598545**	**-.118054**	**.1286989**
Stddev	.062345	.001583	.43174	.0251604	.003088	.0008449
%RSD	1.502703	3.194096	.7973682	5.471371	2.615878	.6564747
#1	4.216026	-.051238	53.67930	.4804953	-.120502	.1279836
#2	4.092862	-.048091	54.53100	.4672405	-.119075	.1284820
#3	4.137605	-.049358	54.22830	.4318279	-.114584	.1296311

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-15 Acquired: 1/12/2025 21:19:30 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D70 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.029656**	F **424.0227**	F **22.00632**	**-.003221**	**-.015396**	**.0218205**
Stddev	.000332	1.2745	.08991	.000388	.000704	.0007537
%RSD	1.120674	.3005744	.4085566	12.03308	4.574294	3.453972
#1	-.029893	425.4939	21.99333	-.003421	-.014725	.0210981
#2	-.029276	423.2546	22.10202	-.002774	-.016129	.0217613
#3	-.029799	423.3196	21.92362	-.003467	-.015332	.0226020

Elem	Sr4077
Units	ppm
Avg	**3.002744**
Stddev	.009939
%RSD	.3309980
#1	3.000807
#2	2.993916
#3	3.013509

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2489.339**	**57979.04**	**8249.633**	**2801.733**	**3220.955**
Stddev	4.047	83.83	19.081	7.307	4.936
%RSD	.1625766	.1445839	.2312928	.2608033	.1532570
#1	2489.007	58056.56	8263.281	2808.226	3218.582
#2	2493.541	57890.08	8227.830	2793.820	3226.629
#3	2485.468	57990.49	8257.788	2803.151	3217.653

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-16 Acquired: 1/12/2025 21:24:09 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D73 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0790343	-.028913	2.656590	.0271413	.0069398	20.87558
Stddev	.0034616	.000588	.016671	.0010434	.0003026	.19356
%RSD	4.379929	2.032492	.6275283	3.844354	4.360347	.9272033
#1	.0754409	-.028460	2.649009	.0264994	.0070888	21.07049
#2	.0823471	-.028703	2.645057	.0283453	.0065916	20.87285
#3	.0793148	-.029577	2.675704	.0265793	.0071390	20.68340

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0206721	.0106551	.0420026	359.9535	.1000371	.0440915
Stddev	.0001703	.0000792	.0003758	3.4669	.0005062	.0005019
%RSD	.8237588	.7434160	.8947030	.9631648	.5060009	1.138348
#1	.0208533	.0105808	.0416140	363.8684	.1006212	.0437080
#2	.0206477	.0106461	.0420296	358.7206	.0997630	.0439069
#3	.0205153	.0107385	.0423642	357.2715	.0997270	.0446595

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.239562	203.1040	F 50.66204	4.336344	.0621772	-.000904
Stddev	.006790	1.6285	.32547	.035377	.0006427	.000291
%RSD	.2096058	.8018141	.6424281	.8158234	1.033573	32.22864
#1	3.243915	204.6995	51.01657	4.375432	.0629186	-.000584
#2	3.243033	203.1680	50.59277	4.327076	.0617787	-.000973
#3	3.231738	201.4443	50.37679	4.306523	.0618344	-.001154

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.653674	.0197698	9.398263	.0008806	5.199095	1.108199
Stddev	.116562	.0014705	.004025	.0219950	.025425	.006452
%RSD	2.504732	7.438090	.0428311	2497.801	.4890315	.5821648
#1	4.522279	.0213086	9.401011	.0260358	5.186821	1.114484
#2	4.744635	.0183788	9.400135	-.014729	5.182136	1.108520
#3	4.694108	.0196220	9.393642	-.008665	5.228329	1.101593

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-16 Acquired: 1/12/2025 21:24:09 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D73 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005245	F 659.8626	F 20.00661	-.003212	.0006846	.0201849
Stddev	.0001073	3.9104	.11772	.000379	.0013308	.0007343
%RSD	20.45452	.5926071	.5884179	11.78865	194.3984	3.637953
#1	.0005040	657.7769	20.14173	-.003399	.0017326	.0206853
#2	.0006406	657.4373	19.92615	-.003460	-.000813	.0205276
#3	.0004290	664.3737	19.95196	-.002776	.001134	.0193419

Elem	Sr4077
Units	ppm
Avg	.2303053
Stddev	.0021296
%RSD	.9246961
#1	.2319469
#2	.2310701
#3	.2278989

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2800.146	65947.10	9111.476	3146.204	3368.406
Stddev	10.586	142.85	51.066	12.729	17.560
%RSD	.3780516	.2166192	.5604549	.4045880	.5213208
#1	2805.519	65786.60	9144.077	3158.435	3379.954
#2	2806.969	66060.31	9137.727	3147.145	3377.067
#3	2787.951	65994.40	9052.625	3133.030	3348.198

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-17 Acquired: 1/12/2025 21:28:21 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D76 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0302115	-.044465	3.171870	.0113291	.0029497	23.71333
Stddev	.0011793	.003194	.014368	.0020298	.0012689	.21592
%RSD	3.903385	7.182186	.4529735	17.91704	43.01875	.9105326
#1	.0310514	-.048057	3.159170	.0134478	.0023662	23.93495
#2	.0288633	-.041949	3.168976	.0111381	.0020776	23.50361
#3	.0307198	-.043388	3.187464	.0094016	.0044055	23.70144

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0107198	.0199555	.0623856	393.2838	.0929986	.0236643
Stddev	.0006353	.0002355	.0001600	1.6268	.0000976	.0005295
%RSD	5.926012	1.180334	.2564344	.4136480	.1049424	2.237626
#1	.0110367	.0198915	.0622331	391.6786	.0930124	.0232881
#2	.0111343	.0202164	.0623716	394.9314	.0928948	.0234349
#3	.0099884	.0197586	.0625521	393.2413	.0930885	.0242698

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.687481	110.6025	F 101.0348	4.033150	.0682003	.0173126
Stddev	.011273	.9586	.2246	.020513	.0002624	.0000384
%RSD	.1685720	.8667232	.2222734	.5085991	.3847888	.2219648
#1	6.699257	111.4842	101.1848	4.056592	.0679219	.0173560
#2	6.676788	109.5821	101.1430	4.024369	.0684432	.0172827
#3	6.686398	110.7411	100.7766	4.018491	.0682359	.0172992

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.042801	.0059826	11.24198	2.275267	3.624863	.7335880
Stddev	.159326	.0016949	.03791	.024302	.015410	.0021945
%RSD	3.940983	28.33121	.3371912	1.068107	.4251099	.2991439
#1	4.049966	.0055820	11.22534	2.302845	3.613236	.7360631
#2	3.880013	.0045238	11.21524	2.265972	3.619012	.7318801
#3	4.198423	.0078419	11.28536	2.256984	3.642341	.7328209

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-17 Acquired: 1/12/2025 21:28:21 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D76 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001690	F 642.2042	F 29.77826	-.002583	.0001206	.0184771
Stddev	.000259	2.9361	.11575	.000977	.0003696	.0005410
%RSD	15.33976	.4571889	.3887161	37.80710	306.4398	2.928017
#1	-.001805	640.2783	29.91149	-.003678	-.000248	.0186268
#2	-.001871	640.7508	29.72098	-.001803	.000491	.0189276
#3	-.001393	645.5835	29.70232	-.002268	.000120	.0178770

Elem	Sr4077
Units	ppm
Avg	.2684220
Stddev	.0026410
%RSD	.9838830
#1	.2707307
#2	.2655422
#3	.2689930

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2997.621	70588.04	9825.349	3401.421	3277.842
Stddev	12.590	168.99	35.617	15.806	16.772
%RSD	.4199910	.2393968	.3624982	.4646903	.5116879
#1	3001.389	70462.90	9860.655	3403.230	3286.107
#2	3007.897	70780.27	9789.429	3416.244	3288.877
#3	2983.578	70520.96	9825.963	3384.788	3258.541

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-18 Acquired: 1/12/2025 21:32:34 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D76D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0299346**	**-.043100**	**3.172623**	**.0157416**	**.0018886**	**23.79721**
Stddev	.0007118	.002730	.008383	.0038113	.0010256	.16741
%RSD	2.377669	6.333113	.2642372	24.21201	54.30798	.7034845
#1	.0293396	-.040252	3.175614	.0192212	.0017909	23.60574
#2	.0307231	-.045693	3.163154	.0116682	.0009152	23.91596
#3	.0297412	-.043355	3.179100	.0163352	.0029595	23.86994

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0105024**	**.0197050**	**.0621102**	**396.4194**	**.0938966**	**.0237652**
Stddev	.0007945	.0000494	.0001559	1.8815	.0009871	.0001497
%RSD	7.565350	.2506512	.2510036	.4746247	1.051299	.6297641
#1	.0106763	.0197183	.0622702	398.5690	.0943612	.0236514
#2	.0096353	.0196503	.0621016	395.6170	.0945656	.0237095
#3	.0111955	.0197463	.0619588	395.0720	.0927628	.0239347

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.684663**	**110.9470**	F **99.76873**	**4.006574**	**.0682503**	**.0167990**
Stddev	.005567	.7848	.44040	.022549	.0001604	.0003952
%RSD	.0832817	.7073796	.4414198	.5627977	.2350296	2.352822
#1	6.690155	110.0602	99.60643	3.992178	.0681391	.0163605
#2	6.684810	111.5519	100.2673	3.994984	.0681776	.0169085
#3	6.679024	111.2291	99.4325	4.032561	.0684341	.0171279

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.033145**	**.0074717**	**11.25414**	**2.320502**	**3.562442**	**.7327554**
Stddev	.116712	.0029901	.01184	.053570	.007917	.0015849
%RSD	2.893812	40.01889	.1052206	2.308574	.2222424	.2162895
#1	4.140471	.0040392	11.26753	2.267886	3.571029	.7311991
#2	4.050068	.0088655	11.24985	2.374978	3.555431	.7343673
#3	3.908896	.0095105	11.24505	2.318642	3.560866	.7326998

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-18 Acquired: 1/12/2025 21:32:34 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D76D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002093	F 635.6287	F 29.05468	-.002767	-.000069	.0182701
Stddev	.000142	1.2410	.08055	.000483	.000525	.0005395
%RSD	6.779900	.1952371	.2772226	17.45937	760.6019	2.952685
#1	-.002194	636.1935	29.13987	-.003048	-.000252	.0180432
#2	-.002153	634.2058	28.97976	-.003044	.000523	.0178811
#3	-.001930	636.4868	29.04440	-.002209	-.000478	.0188859

Elem	Sr4077
Units	ppm
Avg	.2775319
Stddev	.0024619
%RSD	.8870713
#1	.2747064
#2	.2792152
#3	.2786742

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3020.178	70473.83	9920.547	3417.565	3301.770
Stddev	5.795	113.95	76.308	5.647	3.305
%RSD	.1918610	.1616873	.7691942	.1652375	.1001076
#1	3026.668	70449.28	9832.926	3419.181	3304.646
#2	3015.523	70374.16	9972.411	3422.228	3298.159
#3	3018.343	70598.05	9956.304	3411.286	3302.505

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-17LX5 Acquired: 1/12/2025 21:36:44 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D76L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0048793**	**-.017514**	**.6344964**	**.0033522**	**-.000360**	**5.358405**
Stddev	.0025331	.000419	.0008927	.0010136	.001828	.024076
%RSD	51.91562	2.393181	.1407008	30.23809	507.6061	.4493054
#1	.0031942	-.017143	.6335200	.0043670	-.002036	5.374788
#2	.0077924	-.017968	.6346980	.0023397	-.000635	5.330763
#3	.0036513	-.017431	.6352710	.0033498	.001590	5.369664

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000429**	**.0046150**	**.0119682**	**91.32243**	**.0216524**	**.0046382**
Stddev	.000824	.0000970	.0001291	.25312	.0002122	.0000798
%RSD	191.8258	2.101564	1.078719	.2771704	.9797809	1.719996
#1	-.000694	.0047097	.0119716	91.52991	.0216199	.0046095
#2	-.001088	.0045158	.0120955	91.04041	.0218789	.0047283
#3	.000494	.0046195	.0118374	91.39696	.0214584	.0045767

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.532925**	**26.13822**	**24.46775**	**.9530469**	**.0132858**	**.0041278**
Stddev	.005418	.04490	.29865	.0151381	.0002281	.0002649
%RSD	.3534474	.1717713	1.220567	1.588391	1.716623	6.416971
#1	1.536266	26.17362	24.80187	.9357339	.0131261	.0044214
#2	1.535835	26.08772	24.37461	.9637909	.0135470	.0040550
#3	1.526674	26.15332	24.22678	.9596159	.0131843	.0039069

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8359421**	**-.000675**	**2.582625**	**.5788441**	**.6668608**	**.1715304**
Stddev	.1778478	.000904	.020690	.0812824	.0015236	.0003255
%RSD	21.27514	134.0516	.8011060	14.04219	.2284764	.1897631
#1	.8469288	-.000383	2.561309	.4920145	.6684244	.1712522
#2	1.008042	.000048	2.602625	.5913996	.6667775	.1714507
#3	.652856	-.001689	2.583940	.6531182	.6653805	.1718884

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-17LX5 Acquired: 1/12/2025 21:36:44 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D76L Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000504	F 128.5803	6.651244	-.002831	.0002799	.0024804
Stddev	.000599	.3045	.029037	.000782	.0002264	.0006832
%RSD	118.8204	.2368429	.4365632	27.61540	80.89158	27.54609
#1	-.001195	128.7103	6.631247	-.002078	.0001412	.0016914
#2	-.000132	128.7983	6.637935	-.003639	.0001573	.0028760
#3	-.000186	128.2324	6.684550	-.002778	.0005412	.0028737

Elem	Sr4077
Units	ppm
Avg	.0628467
Stddev	.0001546
%RSD	.2459853
#1	.0630163
#2	.0628099
#3	.0627137

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2739.177	62487.13	8738.463	3020.618	3621.891
Stddev	7.535	107.78	4.195	4.248	3.468
%RSD	.2750739	.1724844	.0480060	.1406498	.0957408
#1	2732.816	62388.76	8742.978	3021.603	3620.257
#2	2737.217	62602.34	8737.724	3024.287	3619.543
#3	2747.498	62470.29	8734.686	3015.963	3625.874

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV013 Acquired: 1/12/2025 21:40:54 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV013 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.694168**	**4.505792**	**23.17282**	**4.715699**	**4.639880**	F **354.2306**
Stddev	.007287	.030132	.05377	.006211	.001455	6.4664
%RSD	.1552421	.6687487	.2320564	.1317181	.0313530	1.825464
#1	4.694041	4.498487	23.17701	4.719585	4.640405	351.0604
#2	4.701518	4.538906	23.22438	4.708535	4.638235	349.9611
#3	4.686945	4.479984	23.11708	4.718977	4.640999	361.6703

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.075319**	**.4743148**	**2.606121**	F **359.3057**	**14.70253**	**2.341075**
Stddev	.110804	.0349016	.008433	7.6959	.02091	.004151
%RSD	1.220940	7.358316	.3235727	2.141885	.1422074	.1772911
#1	8.970679	.4347287	2.607005	357.9768	14.71007	2.342067
#2	9.063880	.4875636	2.614077	352.3608	14.67890	2.344640
#3	9.191399	.5006520	2.597281	367.5795	14.71863	2.336519

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **13.32174**	**363.8161**	**13.68353**	**229.3599**	**2.339609**	**1.164606**
Stddev	1.11867	4.5490	.17307	3.0185	.004750	.000465
%RSD	8.397336	1.250367	1.264779	1.316041	.2030200	.0399690
#1	12.04030	358.5763	13.48568	225.8987	2.341409	1.165040
#2	13.82160	366.7562	13.75811	230.7345	2.343196	1.164114
#3	14.10334	366.1158	13.80680	231.4464	2.334223	1.164662

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **348.1502**	F **2.185779**	**13.79323**	F **132.6742**	**4.606488**	**5.412209**
Stddev	28.8687	.171755	.01725	1.5757	.016754	.297497
%RSD	8.292039	7.857839	.1250676	1.187618	.3636944	5.496768
#1	315.2287	1.989840	13.78645	130.8662	4.605332	5.073020
#2	360.0788	2.257183	13.81285	133.7544	4.623789	5.534713
#3	369.1430	2.310314	13.78041	133.4020	4.590342	5.628893

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV013 Acquired: 1/12/2025 21:40:54 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV013 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 4.381202	4.719753	F 4.408092	4.616376	F 4.357176	F 4.060012
Stddev	.006560	.017789	.374883	.019953	.372587	.053001
%RSD	.1497327	.3769064	8.504424	.4322230	8.551113	1.305428
#1	4.377761	4.717172	3.984749	4.629035	3.931429	3.999577
#2	4.388767	4.738692	4.541518	4.626718	4.516427	4.081881
#3	4.377079	4.703396	4.698010	4.593375	4.623673	4.098580

Elem	Sr4077
Units	ppm
Avg	4.517314
Stddev	.088638
%RSD	1.962188
#1	4.471339
#2	4.461109
#3	4.619494

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2124.512	53184.62	8378.676	2557.940	2836.646
Stddev	2.119	121.71	626.425	6.085	7.104
%RSD	.0997513	.2288484	7.476415	.2379014	.2504328
#1	2126.682	53096.45	9090.939	2551.653	2836.556
#2	2122.448	53323.49	8131.724	2558.366	2829.588
#3	2124.407	53133.93	7913.367	2563.801	2843.795

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB013 Acquired: 1/12/2025 21:45:12 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB013 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000425**	**-.000494**	**.0016355**	**-.000665**	**-.000461**	**.0139727**	**-.003595**
Stddev	.000516	.001426	.0013692	.003826	.001522	.0097094	.001019
%RSD	121.3797	288.4897	83.71399	575.4900	329.7983	69.48876	28.35393
#1	-.000997	.000892	.0011530	-.001717	-.000782	.0226519	-.003615
#2	-.000282	-.001957	.0031806	-.003854	-.001798	.0157794	-.002566
#3	.000005	-.000418	.0005730	.003577	.001195	.0034868	-.004605

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000032**	**.0001033**	**.0295273**	**.0006183**	**.0000454**	**-.000508**	**.0258765**
Stddev	.0000335	.0000053	.0021531	.0001609	.0002619	.001888	.0043969
%RSD	1053.064	5.128339	7.291726	26.02039	576.6694	371.6849	16.99173
#1	-.000021	.0001047	.0289224	.0006564	.0003435	-.002611	.0219278
#2	-.000010	.0001078	.0277413	.0004418	-.000059	.000047	.0306146
#3	.000041	.0000975	.0319180	.0007567	-.000148	.001041	.0250870

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0020102**	**.0193274**	**.0001035**	**.0003077**	**.2700017**	**-.002494**	**.0007743**
Stddev	.0002990	.0116274	.0001907	.0003740	.1318286	.002499	.0003299
%RSD	14.87663	60.16016	184.1737	121.5507	48.82512	100.2294	42.60378
#1	.0023450	.0219482	.0001180	.0003311	.1414073	-.004583	.0004929
#2	.0017697	.0066133	-.000094	-.000077	.4048425	-.003174	.0006927
#3	.0019159	.0294207	.000287	.000669	.2637552	.000275	.0011374

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0109250**	**.0001214**	**.0023175**	**.0004875**	**.0586476**	**.0096073**	**.0001773**
Stddev	.0510988	.0003247	.0016918	.0000701	.0041728	.0070629	.0003393
%RSD	467.7227	267.4372	72.99958	14.37114	7.115042	73.51544	191.4316
#1	-.038514	.0004697	.0042613	.0004070	.0611712	.0040231	-.000196
#2	.007753	-.000173	.0011766	.0005213	.0538311	.0175469	.000260
#3	.063536	.000067	.0015147	.0005343	.0609404	.0072521	.000467

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB013 Acquired: 1/12/2025 21:45:12 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB013 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**-.000215**	**-.001082**	**.0001716**
Stddev	.000222	.001617	.0000287
%RSD	103.1930	149.5040	16.73870
#1	-.000201	-.002782	.0002030
#2	-.000000	.000436	.0001651
#3	-.000444	-.000898	.0001466

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2653.526**	**63725.58**	**8344.941**	**3051.682**	**3720.580**
Stddev	3.195	64.05	37.932	5.929	1.784
%RSD	.1204154	.1005144	.4545510	.1942718	.0479540
#1	2653.515	63762.32	8335.314	3057.614	3722.391
#2	2656.727	63651.62	8386.758	3045.757	3718.824
#3	2650.337	63762.81	8312.750	3051.674	3720.526

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-19 Acquired: 1/12/2025 21:49:21 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D76S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0594420**	**.0027430**	**3.198465**	**.0893320**	**.0698299**	**25.23829**
Stddev	.0016792	.0041306	.005504	.0025283	.0006135	.08350
%RSD	2.824912	150.5892	.1720898	2.830177	.8785017	.3308475
#1	.0596111	.0027295	3.192769	.0887985	.0698731	25.29318
#2	.0610303	-.001381	3.198871	.0871131	.0704207	25.27950
#3	.0576847	.006880	3.203755	.0920844	.0691960	25.14220

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.443228**	**.0612677**	**.1104017**	**398.9536**	**.2606084**	**.4974009**
Stddev	.007324	.0001561	.0002424	2.5300	.0005950	.0008425
%RSD	.5074776	.2548510	.2195655	.6341708	.2283071	.1693904
#1	1.450581	.0611702	.1101387	401.4305	.2612480	.4965676
#2	1.443170	.0611852	.1104503	399.0566	.2605060	.4973827
#3	1.435934	.0614478	.1106162	396.3736	.2600713	.4982524

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.851715**	**112.3782**	F **101.4204**	**4.056057**	**.5451035**	**.0471809**
Stddev	.025384	.4564	1.3043	.028139	.0012478	.0002336
%RSD	.3704715	.4061423	1.286082	.6937459	.2289145	.4950476
#1	6.865562	112.6996	101.4835	4.078128	.5441258	.0474444
#2	6.822419	112.5791	102.6921	4.065671	.5446759	.0469994
#3	6.867164	111.8558	100.0857	4.024371	.5465090	.0470988

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.103058**	**.4068300**	**11.63595**	**2.311220**	**3.609305**	**.7396439**
Stddev	.100196	.0019354	.02181	.055644	.002823	.0008785
%RSD	2.441991	.4757343	.1874594	2.407545	.0782229	.1187733
#1	4.044257	.4088939	11.65273	2.314456	3.606428	.7403666
#2	4.046168	.4050557	11.64383	2.365174	3.609417	.7398991
#3	4.218750	.4065404	11.61129	2.254028	3.612071	.7386661

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5393-19 Acquired: 1/12/2025 21:49:21 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D76S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001680**	F **646.2463**	F **29.34735**	**-.002313**	**-.000447**	**.0186955**
Stddev	.000189	.7519	.15027	.000877	.001150	.0012037
%RSD	11.25461	.1163422	.5120456	37.90447	256.9935	6.438490
#1	-.001896	645.4207	29.47352	-.002456	-.000866	.0198589
#2	-.001545	646.4266	29.18110	-.003109	.000853	.0187726
#3	-.001599	646.8917	29.38742	-.001373	-.001330	.0174552

Elem	Sr4077
Units	ppm
Avg	**.2734008**
Stddev	.0012542
%RSD	.4587595
#1	.2737304
#2	.2744574
#3	.2720147

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3017.030**	**71151.86**	**10051.97**	**3435.440**	**3289.730**
Stddev	9.709	143.97	58.23	3.654	16.520
%RSD	.3218009	.2023369	.5792744	.1063616	.5021617
#1	3026.613	71256.74	10073.94	3434.207	3305.382
#2	3017.276	70987.73	10096.02	3439.551	3291.348
#3	3007.200	71211.13	9985.96	3432.562	3272.461

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165942TB Acquired: 1/12/2025 21:53:31 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LEB942 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005002	-.000514	-.000454	.0035598	-.000808	-.005333	-.003670
Stddev	.0010395	.000540	.000099	.0025561	.000320	.006486	.000450
%RSD	207.8039	105.1540	21.78582	71.80446	39.62337	121.6292	12.25740
#1	-.000611	-.001084	-.000565	.0014618	-.000770	-.012005	-.004164
#2	.000663	-.000011	-.000376	.0028109	-.000508	.000950	-.003283
#3	.001449	-.000446	-.000420	.0064066	-.001145	-.004943	-.003565

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000128	.0000246	.0346836	-.000198	.0001418	.0012562	.0113171
Stddev	.0000483	.0000134	.0061339	.000188	.0002930	.0011185	.0058087
%RSD	378.6663	54.52748	17.68536	94.84724	206.5798	89.03618	51.32700
#1	.0000177	.0000111	.0363759	-.000309	.0002131	.0013334	.0163587
#2	-.000038	.0000247	.0278812	-.000305	.0003925	.0001012	.0049651
#3	.000058	.0000379	.0397938	.000019	-.000180	.0023341	.0126273

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0075711	.0125090	-.000432	-.000079	-.022393	-.001342	.0005920
Stddev	.0002808	.0109795	.000323	.000042	.141072	.000554	.0002925
%RSD	3.708159	87.77276	74.70239	52.75596	629.9966	41.26616	49.41356
#1	.0078572	.0044792	-.000726	-.000068	-.158090	-.000712	.0003586
#2	.0075601	.0250205	-.000086	-.000126	.123501	-.001753	.0009202
#3	.0072960	.0080273	-.000484	-.000045	-.032589	-.001560	.0004972

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.042856	-.001878	-.000498	.0000079	.0850514	.0044135	-.000745
Stddev	.043161	.001466	.000172	.0001645	.0036259	.0024296	.000139
%RSD	100.7102	78.06011	34.43055	2071.093	4.263199	55.04997	18.66351
#1	-.020801	-.000185	-.000321	-.000131	.0870282	.0043887	-.000732
#2	-.092588	-.002708	-.000664	-.000035	.0872592	.0068554	-.000613
#3	-.015180	-.002742	-.000510	.000190	.0808667	.0019964	-.000890

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165942TB Acquired: 1/12/2025 21:53:31 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LEB942 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**-.000571**	**-.002005**	**-.000108**
Stddev	.000469	.000941	.000033
%RSD	82.11582	46.95899	30.48872
#1	-.000281	-.003057	-.000077
#2	-.000320	-.001242	-.000143
#3	-.001113	-.001715	-.000104

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2648.688**	**61944.40**	**8296.671**	**2988.472**	**3710.268**
Stddev	21.966	285.41	26.058	6.973	32.276
%RSD	.8293246	.4607488	.3140793	.2333347	.8699228
#1	2671.634	61859.97	8266.648	2992.899	3746.220
#2	2646.578	62262.50	8309.941	2992.083	3700.801
#3	2627.854	61710.74	8313.422	2980.434	3683.785

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-01 Acquired: 1/12/2025 21:57:40 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D27 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0131883**	**-.023580**	**.3263220**	**.0027209**	**-.001719**	**25.67918**
Stddev	.0011046	.003305	.0019684	.0034762	.002093	.10679
%RSD	8.375571	14.01588	.6032049	127.7592	121.7413	.4158468
#1	.0126620	-.025340	.3248810	-.000681	-.001404	25.70462
#2	.0124453	-.025632	.3255202	.002577	.000199	25.77095
#3	.0144576	-.019767	.3285647	.006267	-.003952	25.56197

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0607510**	**.0224963**	**.4775406**	**74.90346**	**.0192395**	**.0283643**
Stddev	.0005080	.0001579	.0027128	.24069	.0004970	.0006612
%RSD	.8361619	.7020936	.5680818	.3213297	2.583379	2.330906
#1	.0611505	.0226497	.4760598	75.06739	.0189438	.0276117
#2	.0609233	.0225052	.4758904	75.01586	.0198133	.0288516
#3	.0601793	.0223341	.4806716	74.62714	.0189612	.0286296

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.84856**	**4.165795**	F **122.1867**	**5.608566**	**.0568618**	**.0308753**
Stddev	.03484	.015444	1.3513	.008548	.0005756	.0002923
%RSD	.1951765	.3707217	1.105957	.1524088	1.012273	.9468470
#1	17.83479	4.153095	123.7378	5.600864	.0564168	.0311707
#2	17.82272	4.182987	121.2639	5.617762	.0566568	.0308691
#3	17.88818	4.161305	121.5584	5.607070	.0575118	.0305861

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.175183**	**-.031734**	F **41.56912**	**2.196963**	**6.276943**	**.4880301**
Stddev	.138987	.000612	.24206	.019227	.045472	.0010703
%RSD	2.685650	1.928610	.5823142	.8751401	.7244214	.2193148
#1	5.322654	-.031099	41.28964	2.217104	6.251187	.4885768
#2	5.156279	-.032321	41.70544	2.194978	6.250196	.4887167
#3	5.046615	-.031783	41.71229	2.178805	6.329445	.4867969

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-01 Acquired: 1/12/2025 21:57:40 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D27 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.022821	F 324.2376	F 24.87991	-.002748	-.002210	.0244151
Stddev	.000426	2.4623	.04103	.000698	.000310	.0006404
%RSD	1.866213	.7594109	.1649165	25.39313	14.03113	2.622983
#1	-.022457	322.7048	24.86734	-.003547	-.002489	.0238547
#2	-.023289	322.9302	24.84664	-.002433	-.001876	.0242776
#3	-.022718	327.0779	24.92576	-.002263	-.002265	.0251131

Elem	Sr4077
Units	ppm
Avg	.1999888
Stddev	.0008844
%RSD	.4422447
#1	.2001213
#2	.2007995
#3	.1990456

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3733.827	86189.21	11897.48	4190.282	3635.182
Stddev	19.398	301.69	43.07	16.649	27.485
%RSD	.5195220	.3500268	.3619748	.3973311	.7560851
#1	3751.859	85929.38	11882.90	4171.259	3659.289
#2	3736.320	86118.19	11945.95	4197.390	3641.004
#3	3713.304	86520.08	11863.61	4202.198	3605.252

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-02 Acquired: 1/12/2025 22:01:59 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D30 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.005822**	**-.088176**	**3.162839**	**.0623932**	**.0155874**	**36.36335**
Stddev	.003365	.002770	.008483	.0025681	.0017525	.03205
%RSD	57.80632	3.141341	.2682067	4.116057	11.24323	.0881491
#1	-.006666	-.087143	3.167388	.0603573	.0161318	36.35980
#2	-.002115	-.086071	3.168077	.0652784	.0170032	36.39703
#3	-.008684	-.091314	3.153052	.0615440	.0136273	36.33322

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0433330**	**.0351115**	**.0624874**	**133.2456**	**.0909927**	**.0243868**
Stddev	.0006555	.0001439	.0002751	.0716	.0004840	.0004155
%RSD	1.512647	.4096972	.4402315	.0537422	.5318879	1.703688
#1	.0436736	.0350130	.0626526	133.3267	.0906738	.0244001
#2	.0437480	.0352765	.0626399	133.2190	.0915496	.0247955
#3	.0425773	.0350448	.0621699	133.1912	.0907546	.0239649

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.55787**	**79.35385**	F **356.6835**	**3.251980**	**.0493284**	**.1159971**
Stddev	.06050	.08188	1.0970	.013547	.0002701	.0003448
%RSD	.2682084	.1031882	.3075482	.4165687	.5475832	.2972155
#1	22.52885	79.33497	356.0781	3.239714	.0496088	.1155993
#2	22.51734	79.44352	357.9498	3.266520	.0493066	.1161813
#3	22.62741	79.28305	356.0226	3.249707	.0490698	.1162106

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.653797**	**-.132401**	**15.37147**	**-.093231**	**-.251672**	**.8297277**
Stddev	.142215	.001881	.09133	.053773	.003326	.0005574
%RSD	2.515388	1.420729	.5941410	57.67634	1.321421	.0671831
#1	5.490768	-.134226	15.27663	-.043016	-.255250	.8300083
#2	5.718247	-.130469	15.45882	-.086712	-.251092	.8300891
#3	5.752377	-.132507	15.37895	-.149966	-.248675	.8290857

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-02 Acquired: 1/12/2025 22:01:59 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D30 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.009750**	F **410.6047**	F **32.84933**	**-.003128**	**.0137584**	**.0089467**
Stddev	.000056	1.1332	.20428	.001673	.0006096	.0003817
%RSD	.5775893	.2759949	.6218603	53.46932	4.430848	4.265979
#1	-.009815	411.5764	32.89809	-.001245	.0135196	.0093702
#2	-.009721	410.8780	32.62508	-.003700	.0144512	.0088407
#3	-.009715	409.3599	33.02481	-.004440	.0133043	.0086293

Elem	Sr4077
Units	ppm
Avg	**.0452901**
Stddev	.0001033
%RSD	.2280425
#1	.0451719
#2	.0453361
#3	.0453624

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2995.898**	**68051.71**	**9508.856**	**3365.812**	**3456.074**
Stddev	4.345	141.41	34.224	15.387	12.596
%RSD	.1450177	.2077985	.3599122	.4571550	.3644480
#1	2995.217	68153.07	9526.347	3381.792	3454.889
#2	2991.934	67890.17	9530.800	3351.096	3444.113
#3	3000.543	68111.90	9469.422	3364.547	3469.221

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-03 Acquired: 1/12/2025 22:06:03 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D33 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0237643**	**-.010339**	**1.538017**	**.0038105**	**.0017727**	**21.60990**
Stddev	.0003787	.001012	.017489	.0016300	.0005872	.04683
%RSD	1.593495	9.792003	1.137091	42.77718	33.12196	.2167093
#1	.0237861	-.011282	1.543918	.0025518	.0011838	21.61400
#2	.0241316	-.009269	1.551792	.0032279	.0017763	21.65455
#3	.0233751	-.010467	1.518341	.0056517	.0023581	21.56116

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0524748**	**.0110395**	**.0912264**	**42.92141**	**.0341252**	**.0326763**
Stddev	.0005146	.0000880	.0011481	.12469	.0002545	.0006392
%RSD	.9807510	.7973389	1.258577	.2905072	.7456519	1.956129
#1	.0519700	.0111376	.0918722	42.88752	.0338356	.0330723
#2	.0529987	.0109673	.0919064	43.05954	.0342271	.0330176
#3	.0524557	.0110137	.0899008	42.81717	.0343130	.0319389

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.331502**	**37.63817**	**28.49917**	**6.540070**	**.0437076**	**.0222096**
Stddev	.006758	.06359	.19566	.020321	.0003983	.0002543
%RSD	.1560260	.1689439	.6865340	.3107168	.9113414	1.144820
#1	4.328326	37.61530	28.67276	6.558073	.0440762	.0223638
#2	4.326917	37.71003	28.28715	6.544102	.0437615	.0223488
#3	4.339264	37.58919	28.53759	6.518035	.0432850	.0219161

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.724607**	**-.001551**	**14.72046**	**1.571942**	**4.862731**	**.7447555**
Stddev	.227962	.000444	.02377	.014419	.052102	.0013771
%RSD	3.982146	28.62086	.1615079	.9172978	1.071445	.1849122
#1	5.571884	-.001688	14.69301	1.556953	4.889639	.7459050
#2	5.986639	-.001054	14.73397	1.573158	4.895878	.7432292
#3	5.615298	-.001909	14.73442	1.585715	4.802678	.7451324

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-03 Acquired: 1/12/2025 22:06:03 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D33 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003115	F 330.8457	F 12.46609	-.002812	.0208633	.0165102
Stddev	.000442	3.3942	.02294	.000868	.0003316	.0010509
%RSD	14.18003	1.025924	.1840572	30.87676	1.589434	6.365333
#1	-.003459	332.9223	12.46203	-.003814	.0204833	.0154520
#2	-.003270	332.6861	12.44544	-.002287	.0210940	.0175537
#3	-.002617	326.9288	12.49079	-.002334	.0210125	.0165250

Elem	Sr4077
Units	ppm
Avg	.1334905
Stddev	.0002002
%RSD	.1499406
#1	.1334444
#2	.1337097
#3	.1333174

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3477.021	79957.38	11198.23	3876.869	3712.209
Stddev	22.105	126.36	50.12	13.433	33.010
%RSD	.6357560	.1580320	.4476009	.3465012	.8892227
#1	3470.924	79925.51	11190.48	3892.330	3703.465
#2	3458.604	80096.62	11251.77	3870.223	3684.451
#3	3501.535	79850.00	11152.43	3868.054	3748.710

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-04 Acquired: 1/12/2025 22:10:08 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D36 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010360**	**-.043625**	**4.529050**	**.0233303**	**.0239386**	**22.18752**
Stddev	.0012763	.003670	.020031	.0012895	.0012351	.10136
%RSD	123.1981	8.412072	.4422889	5.527169	5.159584	.4568386
#1	.0001820	-.040075	4.522646	.0234781	.0230459	22.12971
#2	.0004228	-.047404	4.513004	.0245395	.0234216	22.30456
#3	.0025032	-.043398	4.551501	.0219732	.0253482	22.12828

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0082655**	**.0205106**	**.8954184**	**40.89115**	**.0189805**	**.1219176**
Stddev	.0010047	.0003110	.0039074	.24086	.0008168	.0010581
%RSD	12.15519	1.516507	.4363725	.5890313	4.303489	.8679095
#1	.0093603	.0201939	.8933809	40.70338	.0198081	.1209027
#2	.0080506	.0208157	.8929509	41.16272	.0189584	.1218359
#3	.0073857	.0205222	.8999234	40.80736	.0181749	.1230142

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **163.5802**	**40.47258**	F **123.4083**	**3.651300**	**.0456897**	**.1368537**
Stddev	.4557	.23249	1.2304	.016574	.0004593	.0008692
%RSD	.2785934	.5744466	.9970039	.4539269	1.005140	.6351599
#1	163.1556	40.26509	122.0180	3.643923	.0459188	.1358768
#2	164.0617	40.72385	124.3567	3.670282	.0451610	.1375415
#3	163.5232	40.42880	123.8502	3.639695	.0459894	.1371429

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.746944**	**-.040606**	F **45.29496**	**2.781275**	**.5038643**	**.3900814**
Stddev	.043765	.001562	.26497	.021203	.0084600	.0009347
%RSD	1.168006	3.846103	.5849980	.7623527	1.679030	.2396184
#1	3.737443	-.038999	44.98977	2.775948	.4943804	.3890844
#2	3.794679	-.040700	45.46651	2.804633	.5065780	.3902219
#3	3.708711	-.042118	45.42858	2.763243	.5106344	.3909379

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-04 Acquired: 1/12/2025 22:10:08 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D36 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.026398**	F **278.0607**	F **34.83145**	**.0003747**	**.0030101**	**.0086720**
Stddev	.000110	.9697	.09794	.0005584	.0005519	.0007240
%RSD	.4167273	.3487454	.2811895	149.0150	18.33368	8.348417
#1	-.026283	277.5717	34.94198	.0003265	.0031111	.0086592
#2	-.026502	277.4328	34.75544	.0009556	.0024147	.0079545
#3	-.026409	279.1776	34.79694	-.000158	.0035044	.0094023

Elem	Sr4077
Units	ppm
Avg	**.0467432**
Stddev	.0001542
%RSD	.3297882
#1	.0466960
#2	.0469154
#3	.0466181

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2880.137**	**74932.41**	**10206.89**	**3554.123**	**3600.184**
Stddev	11.188	468.86	26.04	33.778	15.798
%RSD	.3884680	.6257069	.2551032	.9503759	.4388006
#1	2890.468	75440.70	10223.02	3593.107	3612.457
#2	2881.689	74516.84	10220.81	3535.687	3605.735
#3	2868.254	74839.69	10176.85	3533.576	3582.360

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-05 Acquired: 1/12/2025 22:14:37 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D39 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1290777**	**-.000375**	**.1765222**	**-.007293**	**.0836672**	**-.221028**
Stddev	.0008173	.001039	.0022832	.001774	.0036622	.007231
%RSD	.6331575	277.3178	1.293445	24.31859	4.377105	3.271530
#1	.1292265	-.001296	.1777326	-.007034	.0866990	-.216028
#2	.1281962	.000752	.1738887	-.009182	.0847042	-.217738
#3	.1298103	-.000579	.1779454	-.005663	.0795983	-.229320

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0794707**	**.0000576**	**.0170789**	F **810.5876**	**.0008911**	**.0021282**
Stddev	.0011722	.0000330	.0001887	.8725	.0003341	.0000746
%RSD	1.475018	57.20947	1.105074	.1076426	37.48949	3.503523
#1	.0804423	.0000848	.0170765	811.5811	.0011370	.0021420
#2	.0781688	.0000671	.0168914	809.9458	.0005108	.0020477
#3	.0798010	.0000210	.0172688	810.2360	.0010256	.0021950

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9744481**	**.0249695**	**.7276605**	**6.133874**	**.0121549**	**-.000154**
Stddev	.0014518	.0068400	.0083134	.036141	.0003885	.000126
%RSD	.1489895	27.39319	1.142484	.5892020	3.196425	81.59044
#1	.9757410	.0235104	.7369325	6.152614	.0123145	-.000144
#2	.9747260	.0324213	.7251777	6.092212	.0117120	-.000034
#3	.9728775	.0189769	.7208715	6.156796	.0124381	-.000284

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.520551**	**-.002714**	**8.680030**	**.1027323**	**.0073913**	**.1101896**
Stddev	.298202	.001471	.018756	.0981161	.0032709	.0004301
%RSD	8.470331	54.22186	.2160866	95.50658	44.25315	.3903081
#1	3.328239	-.004243	8.693887	.0294536	.0091164	.1103252
#2	3.369348	-.002590	8.687516	.0645423	.0036190	.1097081
#3	3.864067	-.001308	8.658687	.2142011	.0094386	.1105356

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-05 Acquired: 1/12/2025 22:14:37 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D39 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0068691	F 368.9347	6.937124	-.004691	-.025360	.0141052
Stddev	.0001941	2.7042	.010202	.001045	.000717	.0014931
%RSD	2.826230	.7329729	.1470577	22.26854	2.825423	10.58527
#1	.0070479	368.5433	6.948849	-.004950	-.024611	.0156627
#2	.0068968	366.4475	6.932236	-.005582	-.026039	.0126862
#3	.0066626	371.8132	6.930285	-.003541	-.025430	.0139667

Elem	Sr4077
Units	ppm
Avg	.7163180
Stddev	.0028629
%RSD	.3996650
#1	.7196137
#2	.7144469
#3	.7148934

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2442.227	56409.89	7992.556	2702.659	3209.640
Stddev	20.253	97.34	39.226	9.263	24.144
%RSD	.8293042	.1725545	.4907811	.3427477	.7522414
#1	2442.005	56299.78	8034.528	2693.557	3206.519
#2	2462.591	56484.50	7986.313	2702.345	3235.193
#3	2422.086	56445.38	7956.825	2712.076	3187.209

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-06 Acquired: 1/12/2025 22:18:48 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D42 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0182555**	**-.010671**	**5.012624**	**.0050593**	**-.001208**	**44.61014**
Stddev	.0032970	.000727	.005313	.0015321	.000143	.16186
%RSD	18.06032	6.809358	.1059898	30.28360	11.82274	.3628254
#1	.0205930	-.010900	5.011601	.0063186	-.001051	44.65458
#2	.0196891	-.009857	5.018374	.0033535	-.001246	44.43070
#3	.0144844	-.011255	5.007897	.0055059	-.001329	44.74514

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0092364**	**.0286786**	**.0647022**	**54.29574**	**.0416845**	**.0469321**
Stddev	.0008384	.0000463	.0001874	.10614	.0000435	.0001684
%RSD	9.076838	.1614164	.2896274	.1954816	.1043590	.3587056
#1	.0102041	.0286345	.0646815	54.28216	.0417326	.0467471
#2	.0087772	.0287268	.0648990	54.19705	.0416732	.0470764
#3	.0087280	.0286745	.0645259	54.40801	.0416478	.0469727

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.643761**	**54.97867**	F **46.23499**	**10.05116**	**.0495587**	**.1037795**
Stddev	.009743	.15978	.14079	.03533	.0004986	.0001638
%RSD	.2098057	.2906234	.3045085	.3514743	1.006083	.1577910
#1	4.654191	55.02099	46.35495	10.09016	.0489995	.1037827
#2	4.634894	54.80199	46.07999	10.02132	.0499569	.1036142
#3	4.642198	55.11303	46.27002	10.04198	.0497197	.1039416

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.850504**	**-.009822**	**11.05336**	**.5149463**	**3.885866**	**.6767663**
Stddev	.144494	.000687	.01898	.0054948	.013247	.0012764
%RSD	2.469773	6.992259	.1717518	1.067059	.3409038	.1886050
#1	6.008841	-.009237	11.04932	.5212632	3.880341	.6755890
#2	5.725777	-.009651	11.07404	.5123034	3.900981	.6781229
#3	5.816892	-.010579	11.03673	.5112724	3.876276	.6765870

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-06 Acquired: 1/12/2025 22:18:48 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D42 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000898	F 382.7612	F 18.80983	-.003458	.0112809	.0317931
Stddev	.000133	1.3246	.04560	.000179	.0007806	.0008303
%RSD	14.80718	.3460537	.2424023	5.166739	6.919992	2.611419
#1	-.000745	382.7217	18.82796	-.003272	.0120618	.0314378
#2	-.000980	384.1051	18.84356	-.003628	.0105006	.0311996
#3	-.000970	381.4569	18.75795	-.003473	.0112802	.0327419

Elem	Sr4077
Units	ppm
Avg	.1293357
Stddev	.0006308
%RSD	.4877552
#1	.1295236
#2	.1286323
#3	.1298513

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3852.788	89381.54	12518.14	4353.653	3692.459
Stddev	2.997	88.43	71.04	11.600	2.682
%RSD	.0777818	.0989379	.5674803	.2664512	.0726314
#1	3852.373	89303.47	12512.69	4347.609	3693.541
#2	3850.020	89363.57	12449.99	4346.323	3689.405
#3	3855.970	89477.58	12591.75	4367.027	3694.430

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-07 Acquired: 1/12/2025 22:22:51 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D45 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.470845**	**.0006382**	**3.137202**	**.0142718**	**.0950534**	**6.320859**
Stddev	.004415	.0014539	.012250	.0027334	.0014573	.022752
%RSD	.1786738	227.8017	.3904649	19.15241	1.533136	.3599579
#1	2.470912	-.000163	3.140766	.0148100	.0934303	6.322100
#2	2.475226	-.000239	3.147274	.0166961	.0962495	6.342966
#3	2.466397	.002316	3.123565	.0113094	.0954805	6.297512

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0400335**	**.0003372**	**.0693606**	**7.694366**	**.0032032**	**.0090731**
Stddev	.0006567	.0000536	.0002147	.042487	.0002377	.0001681
%RSD	1.640278	15.88134	.3095028	.5521825	7.421296	1.852836
#1	.0392860	.0002859	.0693551	7.707677	.0029930	.0088790
#2	.0405173	.0003927	.0695780	7.728604	.0031555	.0091746
#3	.0402972	.0003329	.0691488	7.646817	.0034612	.0091656

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.49838**	**74.35748**	**4.065611**	**2.019757**	**.0057914**	**-.000816**
Stddev	.00994	.30559	.026514	.011661	.0002401	.000193
%RSD	.0361521	.4109756	.6521555	.5773606	4.145598	23.69203
#1	27.48715	74.34620	4.079007	2.008839	.0057226	-.000999
#2	27.50191	74.66855	4.082754	2.032041	.0060584	-.000614
#3	27.50606	74.05768	4.035071	2.018393	.0055932	-.000835

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.564062**	**.0751708**	**14.24005**	**-.447347**	**.4616515**	**.6514999**
Stddev	.164379	.0019517	.01847	.013436	.0047265	.0001064
%RSD	3.601595	2.596309	.1297212	3.003453	1.023820	.0163275
#1	4.396641	.0741777	14.25395	-.446485	.4563470	.6514677
#2	4.725220	.0739154	14.21909	-.434362	.4654157	.6514133
#3	4.570325	.0774193	14.24713	-.461192	.4631917	.6516186

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-07 Acquired: 1/12/2025 22:22:51 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D45 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036117	F 358.7948	4.791874	-.001562	.0005663	.0018951
Stddev	.0002996	1.0249	.009296	.000286	.0003827	.0006624
%RSD	8.294327	.2856453	.1939860	18.31704	67.57530	34.95264
#1	.0032751	357.7322	4.797515	-.001761	.0006637	.0026475
#2	.0038490	359.7772	4.796961	-.001691	.0008908	.0013999
#3	.0037111	358.8750	4.781145	-.001234	.0001443	.0016380

Elem	Sr4077
Units	ppm
Avg	.2188882
Stddev	.0010515
%RSD	.4803999
#1	.2182039
#2	.2200989
#3	.2183617

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2692.144	62580.46	8569.029	3015.422	3873.082
Stddev	5.811	91.23	22.187	4.152	9.123
%RSD	.2158468	.1457803	.2589261	.1376949	.2355510
#1	2697.755	62566.51	8551.104	3017.620	3876.411
#2	2686.152	62497.02	8593.844	3018.013	3862.762
#3	2692.525	62677.87	8562.139	3010.633	3880.072

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-08 Acquired: 1/12/2025 22:26:49 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D48 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1974608	-.030129	3.274905	.0181989	.0763639	11.01408
Stddev	.0003716	.001829	.005313	.0001500	.0023313	.03100
%RSD	.1881766	6.071959	.1622304	.8244843	3.052870	.2814772
#1	.1977097	-.028586	3.278028	.0183248	.0749797	11.03651
#2	.1970337	-.032150	3.268771	.0180328	.0790554	11.02702
#3	.1976392	-.029651	3.277916	.0182391	.0750565	10.97870

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0324543	.0044701	.1340292	14.92581	.0093976	.0482566
Stddev	.0014956	.0000352	.0002030	.06290	.0003714	.0003254
%RSD	4.608424	.7866829	.1514818	.4214034	3.952101	.6743257
#1	.0317285	.0044946	.1342259	14.93460	.0090374	.0484032
#2	.0341744	.0044858	.1340412	14.98385	.0097793	.0478836
#3	.0314601	.0044298	.1338204	14.85898	.0093761	.0484829

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.06537	86.03408	F 46.80629	2.674645	.0178910	.0088604
Stddev	.01806	.29296	.11962	.011789	.0002794	.0002626
%RSD	.1794500	.3405192	.2555560	.4407736	1.561595	2.963494
#1	10.08604	86.17007	46.67988	2.687931	.0180168	.0087634
#2	10.05264	86.23433	46.91769	2.665432	.0175708	.0091577
#3	10.05742	85.69783	46.82131	2.670573	.0180853	.0086602

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.381414	.0547788	25.18887	-.262350	.5993265	.6532904
Stddev	.223456	.0010863	.26154	.022724	.0029419	.0006719
%RSD	6.608357	1.982973	1.038299	8.661817	.4908601	.1028521
#1	3.639428	.0536745	25.12475	-.275094	.5959496	.6534622
#2	3.250422	.0558460	25.47651	-.275843	.6013340	.6538597
#3	3.254390	.0548159	24.96536	-.236114	.6006958	.6525492

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-08 Acquired: 1/12/2025 22:26:49 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D48 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005130	F 360.8102	7.985696	-.001349	.0025018	.0080723
Stddev	.0002197	.3318	.000816	.000644	.0008914	.0017003
%RSD	42.82796	.0919606	.0102145	47.77720	35.63072	21.06310
#1	.0003007	361.0326	7.984811	-.001289	.0035029	.0082378
#2	.0004989	360.9692	7.985860	-.000736	.0017938	.0096837
#3	.0007395	360.4289	7.986417	-.002021	.0022088	.0062953

Elem	Sr4077
Units	ppm
Avg	.0734368
Stddev	.0001640
%RSD	.2232817
#1	.0733742
#2	.0736228
#3	.0733133

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2737.537	64336.97	8714.885	3126.390	3731.293
Stddev	7.550	127.95	12.840	4.982	8.874
%RSD	.2757835	.1988754	.1473372	.1593683	.2378352
#1	2733.976	64385.87	8727.793	3125.907	3723.106
#2	2746.209	64191.78	8714.749	3121.666	3740.724
#3	2732.426	64433.26	8702.113	3131.596	3730.048

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-09 Acquired: 1/12/2025 22:31:04 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D51 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0351731	-.005233	5.228845	.0107792	.0081391	23.26721
Stddev	.0014408	.001254	.009667	.0018397	.0010763	.09150
%RSD	4.096307	23.95783	.1848756	17.06697	13.22328	.3932377
#1	.0361703	-.005927	5.237673	.0104951	.0089079	23.22639
#2	.0335212	-.003786	5.218515	.0127444	.0086004	23.37201
#3	.0358277	-.005987	5.230348	.0090981	.0069091	23.20322

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0163062	.0026340	.0191871	36.57354	.0421897	.0340014
Stddev	.0002876	.0001516	.0001099	.16265	.0002874	.0000482
%RSD	1.763451	5.755574	.5729497	.4447228	.6811982	.1416785
#1	.0164656	.0027004	.0192774	36.55661	.0419155	.0340037
#2	.0164788	.0024605	.0190647	36.74399	.0421650	.0340483
#3	.0159742	.0027411	.0192192	36.42001	.0424887	.0339520

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.16689	64.98637	10.14921	2.948004	.0272002	-.003408
Stddev	.00294	.27666	.06743	.005886	.0007560	.000259
%RSD	.0289055	.4257196	.6643827	.1996546	2.779296	7.601847
#1	10.16976	64.80532	10.16068	2.954617	.0274346	-.003683
#2	10.16389	65.30483	10.21018	2.946058	.0278112	-.003373
#3	10.16703	64.84896	10.07679	2.943338	.0263548	-.003168

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.190200	.0126245	4.051055	1.106120	3.433215	.5767454
Stddev	.209599	.0023270	.006068	.017126	.013854	.0008945
%RSD	5.002115	18.43237	.1497880	1.548289	.4035233	.1550959
#1	4.072679	.0120845	4.048345	1.111673	3.439214	.5766644
#2	4.432191	.0106149	4.046813	1.119781	3.417373	.5758942
#3	4.065731	.0151740	4.058005	1.086907	3.443059	.5776777

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-09 Acquired: 1/12/2025 22:31:04 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D51 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013573	F 282.0359	F 12.57983	-.002905	.0198948	.0066562
Stddev	.0000450	.8344	.07728	.000382	.0003495	.0006949
%RSD	3.318571	.2958344	.6143261	13.15253	1.756524	10.44016
#1	.0014088	281.9400	12.64124	-.003028	.0200294	.0073495
#2	.0013255	281.2536	12.60519	-.003210	.0201570	.0066594
#3	.0013375	282.9140	12.49305	-.002476	.0194981	.0059597

Elem	Sr4077
Units	ppm
Avg	.0780971
Stddev	.0003762
%RSD	.4817105
#1	.0777048
#2	.0784549
#3	.0781317

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2941.878	68469.36	9296.509	3311.473	3768.473
Stddev	2.345	139.22	24.840	8.998	9.000
%RSD	.0797014	.2033311	.2671988	.2717283	.2388315
#1	2941.948	68562.70	9275.315	3314.850	3762.997
#2	2944.187	68309.34	9323.843	3318.294	3778.860
#3	2939.499	68536.03	9290.368	3301.275	3763.562

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-10 Acquired: 1/12/2025 22:35:02 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D54 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0224656	-.011116	5.876588	.0043306	.0014647	24.95322
Stddev	.0021091	.000749	.009532	.0011649	.0012750	.09228
%RSD	9.388288	6.735638	.1622113	26.89951	87.04554	.3698154
#1	.0249002	-.011597	5.885810	.0049707	.0001734	24.85840
#2	.0213015	-.010253	5.866773	.0029860	.0014982	25.04273
#3	.0211950	-.011498	5.877183	.0050352	.0027227	24.95853

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0442174	.0089489	.1036326	66.83482	.0106596	.0666129
Stddev	.0002223	.0000383	.0002201	.18476	.0002180	.0002961
%RSD	.5027142	.4275658	.2123674	.2764400	2.044817	.4445499
#1	.0440525	.0089850	.1037607	66.62388	.0109112	.0666587
#2	.0441296	.0089088	.1033784	66.96792	.0105323	.0662966
#3	.0444702	.0089529	.1037586	66.91266	.0105351	.0668836

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.391525	33.55509	22.58936	7.205809	.0306113	-.000501
Stddev	.006513	.14265	.02509	.036142	.0005319	.000009
%RSD	.1483189	.4251358	.1110486	.5015631	1.737636	1.755084
#1	4.384004	33.39959	22.60765	7.167214	.0300097	-.000497
#2	4.395246	33.67990	22.56076	7.238856	.0310193	-.000495
#3	4.395324	33.58579	22.59967	7.211355	.0308050	-.000511

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.819098	.0116809	15.20167	2.606563	6.693179	.3874157
Stddev	.176547	.0006773	.05804	.015159	.015640	.0009231
%RSD	4.622748	5.798253	.3817699	.5815823	.2336697	.2382580
#1	3.906144	.0116727	15.24964	2.615725	6.696220	.3883842
#2	3.935218	.0123623	15.21822	2.614899	6.676242	.3873168
#3	3.615931	.0110078	15.13716	2.589065	6.707076	.3865461

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-10 Acquired: 1/12/2025 22:35:02 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D54 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.003313**	F **314.0723**	F **16.61221**	**-.003113**	**.0146376**	**.0183129**
Stddev	.000095	.8803	.07672	.001228	.0007554	.0007426
%RSD	2.856519	.2802710	.4618483	39.43176	5.160492	4.055037
#1	-.003296	314.3657	16.66335	-.003020	.0154141	.0176135
#2	-.003415	313.0828	16.52399	-.004385	.0139053	.0182330
#3	-.003228	314.7684	16.64930	-.001935	.0145934	.0190922

Elem	Sr4077
Units	ppm
Avg	**.2325792**
Stddev	.0014657
%RSD	.6301713
#1	.2309395
#2	.2337620
#3	.2330360

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3263.461**	**76303.99**	**10598.06**	**3682.697**	**3645.402**
Stddev	6.242	99.36	29.28	7.831	1.857
%RSD	.1912592	.1302099	.2763008	.2126559	.0509356
#1	3259.479	76318.97	10567.90	3674.303	3643.264
#2	3260.249	76197.99	10626.37	3683.982	3646.611
#3	3270.654	76394.99	10599.89	3689.807	3646.331

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-11 Acquired: 1/12/2025 22:39:07 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D57 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0609416**	**-.016747**	**3.678966**	**.0183679**	**.0636725**	**25.08238**
Stddev	.0009931	.001819	.007983	.0003677	.0014766	.12620
%RSD	1.629514	10.86432	.2169863	2.001976	2.319119	.5031577
#1	.0617737	-.018780	3.678973	.0182068	.0631641	24.95353
#2	.0612088	-.015272	3.670980	.0181083	.0625172	25.08785
#3	.0598423	-.016188	3.686945	.0187887	.0653361	25.20576

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0212031**	**.0089993**	**.1470142**	**50.89246**	**.0341100**	**.0329301**
Stddev	.0007809	.0000098	.0004244	.20819	.0004252	.0001426
%RSD	3.682718	.1089990	.2886792	.4090713	1.246662	.4330981
#1	.0204964	.0089989	.1471188	50.65256	.0338015	.0330514
#2	.0220414	.0089898	.1465473	50.99912	.0339334	.0327730
#3	.0210715	.0090094	.1473765	51.02571	.0345951	.0329660

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **87.89114**	**113.0590**	**29.06239**	**2.820350**	**.0236688**	**.1071778**
Stddev	1.42653	.4609	.24282	.003044	.0002542	.0003056
%RSD	1.623067	.4076872	.8354966	.1079201	1.073878	.2850976
#1	88.83572	112.5550	28.84473	2.822221	.0234073	.1069242
#2	86.25017	113.1629	29.32428	2.816838	.0236844	.1070923
#3	88.58753	113.4591	29.01816	2.821991	.0239149	.1075171

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.833940**	**-.013051**	**24.01462**	**.2150378**	**.4387264**	**.7203201**
Stddev	.244273	.000845	.19202	.0217429	.0058645	.0019211
%RSD	6.371340	6.477351	.7995988	10.11118	1.336701	.2667013
#1	3.598268	-.012709	23.79549	.1936569	.4440734	.7186815
#2	3.817562	-.012431	24.09490	.2143311	.4324544	.7198444
#3	4.085990	-.014014	24.15348	.2371253	.4396513	.7224343

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-11 Acquired: 1/12/2025 22:39:07 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D57 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.006975**	F **298.7247**	F **25.84014**	**-.001465**	**.0052626**	**.0072754**
Stddev	.000094	.9625	.02913	.000937	.0004422	.0014104
%RSD	1.348024	.3222010	.1127458	63.94393	8.402976	19.38642
#1	-.006939	298.4379	25.80655	-.001610	.0057663	.0088927
#2	-.006905	297.9381	25.85858	-.002321	.0049378	.0063006
#3	-.007082	299.7979	25.85530	-.000464	.0050839	.0066329

Elem	Sr4077
Units	ppm
Avg	**.1024562**
Stddev	.0006444
%RSD	.6289955
#1	.1018010
#2	.1024784
#3	.1030893

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2796.411**	**68530.72**	**9512.693**	**3278.719**	**3740.236**
Stddev	4.821	201.90	18.855	11.427	7.575
%RSD	.1724150	.2946067	.1982108	.3485223	.2025281
#1	2793.094	68763.85	9493.176	3291.804	3737.203
#2	2801.942	68414.84	9514.096	3270.708	3748.858
#3	2794.198	68413.47	9530.808	3273.644	3734.647

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-12 Acquired: 1/12/2025 22:43:30 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D60 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0252522	-.005331	5.853016	.0023022	.0003831	28.53238
Stddev	.0004909	.000674	.016880	.0005150	.0008871	.07347
%RSD	1.943836	12.65126	.2883981	22.36885	231.5777	.2574950
#1	.0246914	-.006026	5.854112	.0024263	.0001858	28.49697
#2	.0256038	-.004680	5.835614	.0027438	.0013522	28.61684
#3	.0254614	-.005288	5.869321	.0017365	-.000389	28.48332

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0175853	.0278775	.0490130	48.57599	.0169677	.0331240
Stddev	.0005544	.0001491	.0002211	.06973	.0002970	.0003072
%RSD	3.152377	.5347720	.4510168	.1435485	1.750555	.9272729
#1	.0169858	.0278023	.0489309	48.49606	.0166663	.0329754
#2	.0176906	.0277811	.0488446	48.60758	.0172602	.0329194
#3	.0180795	.0280492	.0492633	48.62434	.0169766	.0334771

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.651044	29.05623	23.86943	6.351004	.0292250	.0099947
Stddev	.010708	.01253	.21988	.022665	.0005932	.0002179
%RSD	.2302232	.0431068	.9211970	.3568714	2.029794	2.180075
#1	4.644649	29.05611	23.73990	6.340809	.0285490	.0100705
#2	4.645077	29.06881	23.74509	6.335227	.0296588	.0101646
#3	4.663406	29.04377	24.12332	6.376976	.0294673	.0097490

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.350571	-.000059	7.733260	.5808239	7.714165	.3033790
Stddev	.134641	.000784	.016766	.0021019	.009815	.0001390
%RSD	5.728026	1336.351	.2168080	.3618799	.1272354	.0458307
#1	2.321800	-.000807	7.729324	.5785165	7.720944	.3033428
#2	2.497272	-.000126	7.718812	.5826295	7.718641	.3032616
#3	2.232641	.000757	7.751644	.5813256	7.702910	.3035325

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-12 Acquired: 1/12/2025 22:43:30 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D60 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000558	F 333.0081	F 14.33657	-.003614	.0173622	.0241689
Stddev	.000149	.7649	.04082	.000048	.0001944	.0010747
%RSD	26.71644	.2296830	.2847509	1.325168	1.119488	4.446752
#1	-.000729	332.7830	14.28946	-.003661	.0171415	.0229686
#2	-.000495	332.3810	14.36148	-.003614	.0174367	.0244962
#3	-.000451	333.8602	14.35877	-.003565	.0175082	.0250420

Elem	Sr4077
Units	ppm
Avg	.1361692
Stddev	.0003250
%RSD	.2386517
#1	.1359668
#2	.1365441
#3	.1359969

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3749.072	86977.29	11929.17	4199.225	3684.481
Stddev	4.661	278.12	70.69	11.933	3.559
%RSD	.1243137	.3197645	.5925907	.2841640	.0965904
#1	3747.095	87020.95	11955.13	4209.343	3687.641
#2	3745.725	87231.01	11983.21	4202.264	3680.626
#3	3754.395	86679.93	11849.17	4186.066	3685.177

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-13 Acquired: 1/12/2025 22:47:33 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D63 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0234944	-.002713	4.548534	.0031239	-.000891	18.08818
Stddev	.0018424	.000814	.005318	.0008818	.000781	.04800
%RSD	7.841960	30.00762	.1169212	28.22784	87.67691	.2653502
#1	.0256208	-.001939	4.542978	.0041390	-.001343	18.03281
#2	.0224901	-.003562	4.549049	.0025472	-.001342	18.11369
#3	.0223724	-.002639	4.553577	.0026855	.000011	18.11802

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0192661	.0080341	.0124525	59.21371	.0107969	.0175531
Stddev	.0003241	.0000979	.0000459	.19942	.0002404	.0000893
%RSD	1.682257	1.218824	.3683579	.3367875	2.226516	.5088479
#1	.0189719	.0079215	.0125030	59.01879	.0108927	.0176562
#2	.0192129	.0080996	.0124410	59.20500	.0105233	.0175020
#3	.0196136	.0080812	.0124135	59.41735	.0109745	.0175010

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.293040	24.89382	8.318984	5.629240	.0090126	.0046359
Stddev	.004020	.11084	.033819	.029398	.0002613	.0001720
%RSD	.3109319	.4452428	.4065330	.5222398	2.899033	3.709709
#1	1.294429	24.80123	8.284540	5.639595	.0087130	.0047747
#2	1.296182	24.86361	8.320271	5.596065	.0091929	.0044435
#3	1.288509	25.01663	8.352142	5.652060	.0091320	.0046895

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.492420	.0275838	4.153924	.2648348	F 12.06257	.3718626
Stddev	.127937	.0010775	.003127	.0327746	.01270	.0014209
%RSD	3.663271	3.906103	.0752778	12.37550	.1052931	.3821127
#1	3.511403	.0274992	4.150426	.2381180	12.04791	.3732208
#2	3.609805	.0287010	4.156448	.3014060	12.07009	.3719807
#3	3.356053	.0265511	4.154898	.2549804	12.06972	.3703863

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-13 Acquired: 1/12/2025 22:47:33 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D63 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005119	F 328.5652	F 17.74569	-.003039	.0096099	.0238788
Stddev	.0002860	.3952	.06780	.000985	.0007356	.0002081
%RSD	55.87122	.1202784	.3820748	32.40364	7.654983	.8713263
#1	.0007640	328.1286	17.77427	-.004128	.0096871	.0236920
#2	.0005707	328.8986	17.79452	-.002780	.0103039	.0238415
#3	.0002011	328.6683	17.66828	-.002210	.0088387	.0241030

Elem	Sr4077
Units	ppm
Avg	.1483813
Stddev	.0006165
%RSD	.4154993
#1	.1478752
#2	.1482007
#3	.1490680

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3058.981	70421.64	9591.266	3416.053	3706.979
Stddev	4.452	155.79	38.545	10.801	4.166
%RSD	.1455267	.2212308	.4018800	.3161722	.1123777
#1	3063.845	70573.21	9559.607	3427.306	3711.014
#2	3057.989	70429.77	9580.002	3405.770	3702.693
#3	3055.109	70261.94	9634.188	3415.082	3707.229

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-14 Acquired: 1/12/2025 22:51:32 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D66 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0089554	-.080890	3.696558	.0258139	-.008217	19.15525
Stddev	.0033396	.004159	.017071	.0021722	.001502	.15832
%RSD	37.29146	5.141256	.4618205	8.414786	18.27940	.8265066
#1	.0074384	-.077269	3.709587	.0256950	-.007435	19.19694
#2	.0127841	-.085432	3.677233	.0237037	-.007267	19.28856
#3	.0066435	-.079970	3.702856	.0280432	-.009948	18.98026

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0118236	.0292411	.8850340	227.8869	.0888678	.1762253
Stddev	.0004254	.0002154	.0027599	1.8059	.0008082	.0004685
%RSD	3.598236	.7365048	.3118383	.7924450	.9094798	.2658519
#1	.0113521	.0292770	.8877247	228.2468	.0894022	.1764808
#2	.0121788	.0294364	.8822098	229.4857	.0892634	.1756846
#3	.0119399	.0290101	.8851674	225.9281	.0879380	.1765105

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.453618	58.57203	F 240.5909	6.615012	.2037488	.0866560
Stddev	.011886	.51257	1.1555	.041905	.0012337	.0009581
%RSD	.2668907	.8751080	.4802675	.6334908	.6055139	1.105607
#1	4.466325	58.67707	240.6767	6.616997	.2040980	.0872813
#2	4.442772	59.02395	241.7011	6.655889	.2023782	.0871337
#3	4.451757	58.01508	239.3949	6.572149	.2047703	.0855530

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.740743	-.071539	F 38.55318	7.375071	.3832517	.4860930
Stddev	.051801	.001973	.64666	.126995	.0028440	.0021971
%RSD	1.384770	2.757825	1.677316	1.721950	.7420844	.4519855
#1	3.689161	-.071717	39.29973	7.388940	.3860407	.4862724
#2	3.740308	-.069483	38.19297	7.494562	.3833587	.4881949
#3	3.792759	-.073417	38.16685	7.241710	.3803556	.4838117

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-14 Acquired: 1/12/2025 22:51:32 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D66 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.012141**	F **423.6542**	F **19.48342**	**-.002969**	**-.004504**	**.0197788**
Stddev	.000550	.6603	.08575	.000582	.000327	.0007763
%RSD	4.533977	.1558578	.4401093	19.58768	7.262142	3.924802
#1	-.011590	424.2330	19.41542	-.002871	-.004863	.0193271
#2	-.012144	422.9350	19.45510	-.002443	-.004425	.0206751
#3	-.012691	423.7948	19.57975	-.003594	-.004223	.0193340

Elem	Sr4077
Units	ppm
Avg	**.2744706**
Stddev	.0027130
%RSD	.9884534
#1	.2752517
#2	.2767074
#3	.2714527

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2967.970**	**68718.19**	**9586.575**	**3360.822**	**3351.182**
Stddev	10.009	444.71	43.789	23.772	12.568
%RSD	.3372194	.6471463	.4567719	.7073138	.3750319
#1	2965.000	68685.54	9611.557	3352.474	3345.547
#2	2979.127	68290.71	9612.155	3342.351	3365.581
#3	2959.782	69178.32	9536.014	3387.642	3342.418

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-15 Acquired: 1/12/2025 22:55:52 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D69 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.012038**	**-.133373**	**.0494942**	**-.002183**	**-.006539**	**.0319142**
Stddev	.004182	.003090	.0017789	.003529	.001781	.0127443
%RSD	34.73900	2.317161	3.594238	161.6697	27.23930	39.93291
#1	-.016615	-.135539	.0514558	-.002570	-.007452	.0253807
#2	-.008418	-.134746	.0490415	-.005502	-.004486	.0466003
#3	-.011080	-.129834	.0479854	.001524	-.007679	.0237616

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0587175**	**.0215689**	**.2482494**	**533.9849**	**.0147441**	**.4318187**
Stddev	.0001857	.0000563	.0014272	4.1628	.0006723	.0024094
%RSD	.3162308	.2611911	.5749071	.7795809	4.559527	.5579635
#1	.0586040	.0216025	.2472165	529.9720	.0139883	.4300472
#2	.0586167	.0215038	.2476537	538.2830	.0152752	.4308467
#3	.0589317	.0216003	.2498779	533.6998	.0149689	.4345623

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0249520**	**.5974781**	F **197.5837**	**41.33927**	**.1993725**	**.0322558**
Stddev	.0010799	.0127206	.6034	.17176	.0013009	.0003044
%RSD	4.327791	2.129056	.3054095	.4154900	.6524929	.9436584
#1	.0247022	.5909135	197.9586	41.16097	.1994260	.0325339
#2	.0261349	.5893809	196.8876	41.35321	.1980457	.0323029
#3	.0240189	.6121400	197.9049	41.50364	.2006459	.0319306

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.574061**	**-.051191**	F **48.37487**	**1.069065**	**-.107395**	**.1285108**
Stddev	.211510	.001836	.25547	.061373	.001991	.0007743
%RSD	4.624127	3.585886	.5281052	5.740850	1.853923	.6025209
#1	4.475020	-.053076	48.20353	1.094741	-.106660	.1284040
#2	4.430243	-.051090	48.25258	.999023	-.105876	.1293329
#3	4.816921	-.049408	48.66850	1.113431	-.109649	.1277954

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-15 Acquired: 1/12/2025 22:55:52 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D69 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.021323**	F **421.0319**	F **16.51903**	**-.002516**	**-.018379**	**.0300404**
Stddev	.000941	2.7891	.05021	.001164	.000745	.0010565
%RSD	4.413504	.6624383	.3039630	46.24148	4.055641	3.516880
#1	-.020523	419.2718	16.57481	-.003662	-.017630	.0290079
#2	-.021086	419.5762	16.47746	-.001336	-.018386	.0299941
#3	-.022360	424.2476	16.50481	-.002551	-.019121	.0311193

Elem	Sr4077
Units	ppm
Avg	**4.087340**
Stddev	.029665
%RSD	.7257762
#1	4.059280
#2	4.118384
#3	4.084357

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2489.693**	**57229.61**	**8180.808**	**2774.319**	**3240.868**
Stddev	6.184	187.90	15.955	1.955	11.831
%RSD	.2483736	.3283181	.1950273	.0704711	.3650534
#1	2492.936	57409.84	8162.687	2774.479	3251.704
#2	2493.581	57244.10	8186.989	2772.289	3242.653
#3	2482.562	57034.89	8192.747	2776.190	3228.245

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-16 Acquired: 1/12/2025 23:00:32 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D72 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0715053	-.035410	2.276294	.0329671	.0043575	22.34332
Stddev	.0014343	.002483	.006048	.0047891	.0016355	.13879
%RSD	2.005831	7.012115	.2656769	14.52685	37.53309	.6211705
#1	.0698819	-.036932	2.269867	.0379781	.0027166	22.18478
#2	.0720334	-.036753	2.277142	.0284361	.0059876	22.44290
#3	.0726008	-.032545	2.281873	.0324872	.0043684	22.40228

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0305722	.0098662	.0545893	468.2010	.1053527	.0522021
Stddev	.0000567	.0000665	.0002050	3.0635	.0001899	.0004333
%RSD	.1855648	.6740947	.3755453	.6543131	.1802699	.8300396
#1	.0305359	.0099422	.0544142	464.7668	.1054751	.0517019
#2	.0305431	.0098376	.0545388	469.1831	.1051339	.0524582
#3	.0306376	.0098187	.0548148	470.6530	.1054490	.0524464

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.088351	237.5999	F 57.10163	5.242828	.0749045	.0078158
Stddev	.006403	1.2130	.23729	.040524	.0005488	.0003964
%RSD	.2073433	.5105048	.4155647	.7729475	.7326331	5.071313
#1	3.087814	236.2004	56.87290	5.215561	.0742709	.0073591
#2	3.095006	238.3482	57.34665	5.289395	.0752289	.0080709
#3	3.082233	238.2510	57.08534	5.223530	.0752137	.0080173

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.761227	.0184849	11.72448	.0603600	3.975692	1.245393
Stddev	.172979	.0025007	.02906	.0579759	.016252	.004711
%RSD	4.599017	13.52812	.2478607	96.05022	.4087955	.3782388
#1	3.934908	.0159306	11.69216	.0141875	3.957389	1.239962
#2	3.588958	.0185959	11.74845	.1254258	3.981253	1.248366
#3	3.759816	.0209282	11.73284	.0414668	3.988435	1.247851

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-16 Acquired: 1/12/2025 23:00:32 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D72 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001666**	F **733.6971**	F **23.71969**	**-.003056**	**-.004266**	**.0264026**
Stddev	.000426	3.1669	.07867	.001538	.000814	.0008999
%RSD	25.58209	.4316314	.3316492	50.31336	19.07855	3.408382
#1	-.001489	730.1790	23.74804	-.001324	-.003948	.0272874
#2	-.001357	734.5924	23.78026	-.003584	-.005190	.0264322
#3	-.002152	736.3199	23.63078	-.004260	-.003658	.0254883

Elem	Sr4077
Units	ppm
Avg	**.2981767**
Stddev	.0019897
%RSD	.6672985
#1	.2959119
#2	.2989743
#3	.2996439

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2749.965**	**64625.60**	**9215.855**	**3121.524**	**3279.068**
Stddev	3.475	155.17	44.809	11.854	6.767
%RSD	.1263616	.2401106	.4862203	.3797569	.2063566
#1	2748.311	64777.51	9191.473	3129.407	3286.826
#2	2753.957	64467.36	9188.523	3107.891	3275.998
#3	2747.625	64631.92	9267.568	3127.273	3274.381

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-17 Acquired: 1/12/2025 23:04:42 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D75 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0324267**	**-.049417**	**3.176212**	**.0161088**	**.0006402**	**23.97801**
Stddev	.0019706	.003260	.017965	.0015963	.0014281	.07636
%RSD	6.077085	6.596381	.5656040	9.909512	223.0578	.3184475
#1	.0315411	-.053180	3.183472	.0148861	-.001009	24.02430
#2	.0346847	-.047432	3.155754	.0179147	.001478	24.01986
#3	.0310543	-.047641	3.189411	.0155257	.001451	23.88988

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0158814**	**.0189233**	**.0493929**	**391.7022**	**.1018434**	**.0301878**
Stddev	.0003555	.0001621	.0002646	3.3603	.0007858	.0001420
%RSD	2.238356	.8563545	.5356770	.8578790	.7715739	.4702773
#1	.0155091	.0189927	.0495083	394.6630	.1025425	.0300588
#2	.0162172	.0187381	.0490902	392.3937	.1019949	.0303399
#3	.0159180	.0190391	.0495801	388.0499	.1009929	.0301647

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.919449**	**124.3617**	F **102.3119**	**3.763273**	**.0642854**	**.0184568**
Stddev	.016626	.4685	.5636	.030726	.0005351	.0003855
%RSD	.2808702	.3767635	.5509130	.8164619	.8323825	2.088771
#1	5.916530	124.7799	102.9454	3.795732	.0643672	.0187682
#2	5.904476	124.4498	101.8658	3.759449	.0637141	.0180256
#3	5.937341	123.8553	102.1246	3.734638	.0647749	.0185765

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.658794**	**.0013064**	**9.658135**	**1.931809**	**3.761911**	**.7803170**
Stddev	.072096	.0007465	.020773	.014086	.019753	.0021628
%RSD	1.970480	57.14123	.2150855	.7291765	.5250674	.2771633
#1	3.732983	.0004446	9.652835	1.915544	3.767776	.7820384
#2	3.588991	.0017524	9.640525	1.940001	3.739890	.7810232
#3	3.654409	.0017223	9.681045	1.939882	3.778067	.7778894

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-17 Acquired: 1/12/2025 23:04:42 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D75 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001052	F 620.7824	F 28.47562	-.002454	-.000569	.0169488
Stddev	.000401	3.1830	.14151	.000751	.001156	.0002530
%RSD	38.14340	.5127373	.4969499	30.61062	203.1557	1.492417
#1	-.001062	620.4127	28.61137	-.001587	.000385	.0171236
#2	-.001449	617.8005	28.32898	-.002880	-.001855	.0170641
#3	-.000646	624.1341	28.48650	-.002897	-.000237	.0166588

Elem	Sr4077
Units	ppm
Avg	.2550107
Stddev	.0005322
%RSD	.2087112
#1	.2553467
#2	.2552883
#3	.2543970

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2991.322	69628.77	9688.208	3361.308	3328.338
Stddev	8.223	209.43	8.000	2.565	14.206
%RSD	.2749101	.3007859	.0825696	.0763217	.4268137
#1	2996.583	69518.41	9683.503	3363.013	3331.087
#2	2995.539	69497.60	9697.445	3362.553	3340.968
#3	2981.846	69870.30	9683.677	3358.357	3312.959

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-18 Acquired: 1/12/2025 23:08:56 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D75D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0343556	-.048858	3.212809	.0176280	.0020574	24.08132
Stddev	.0015674	.003162	.015924	.0025156	.0019586	.13100
%RSD	4.562195	6.472235	.4956510	14.27068	95.19591	.5439903
#1	.0343332	-.046685	3.228729	.0159672	.0032036	24.05270
#2	.0359340	-.047404	3.196880	.0163944	-.000204	23.96699
#3	.0327995	-.052486	3.212816	.0205223	.003173	24.22426

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0158175	.0188382	.0499287	386.0534	.1019253	.0303112
Stddev	.0000659	.0000579	.0002785	3.4271	.0004290	.0002958
%RSD	.4162890	.3076180	.5577342	.8877313	.4208778	.9759564
#1	.0158814	.0188974	.0501606	389.2270	.1017002	.0305588
#2	.0158211	.0188355	.0496199	386.5137	.1016557	.0299836
#3	.0157499	.0187816	.0500056	382.4193	.1024200	.0303911

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.945053	124.7284	F 101.9967	3.779709	.0649284	.0185327
Stddev	.008454	.7480	.2858	.008026	.0013264	.0002054
%RSD	.1422091	.5996651	.2802169	.2123457	2.042843	1.108441
#1	5.948081	124.4664	102.1345	3.779216	.0662960	.0187696
#2	5.951576	124.1468	101.6681	3.771942	.0648418	.0184057
#3	5.935501	125.5722	102.1874	3.787971	.0636475	.0184226

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.552720	.0007687	9.697650	1.946132	3.840964	.7824571
Stddev	.145397	.0016256	.024274	.030109	.015587	.0014915
%RSD	4.092555	211.4781	.2503128	1.547138	.4058174	.1906111
#1	3.387206	-.000529	9.684813	1.928892	3.858924	.7809157
#2	3.659850	.002592	9.725647	1.928605	3.830962	.7825627
#3	3.611103	.000243	9.682489	1.980899	3.833005	.7838930

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-18 Acquired: 1/12/2025 23:08:56 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D75D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001225	F 633.2038	F 28.78086	-.003246	-.000701	.0183522
Stddev	.000120	2.3846	.10110	.000504	.000412	.0012324
%RSD	9.831175	.3765927	.3512740	15.53810	58.82791	6.715122
#1	-.001351	634.4347	28.85143	-.003827	-.000845	.0175066
#2	-.001112	630.4553	28.82611	-.002984	-.000236	.0177839
#3	-.001211	634.7215	28.66504	-.002926	-.001023	.0197662

Elem	Sr4077
Units	ppm
Avg	.2546557
Stddev	.0019120
%RSD	.7508034
#1	.2545046
#2	.2528237
#3	.2566387

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2963.458	69907.71	9703.798	3360.891	3284.419
Stddev	4.407	254.82	66.622	7.566	12.076
%RSD	.1487121	.3645026	.6865600	.2251253	.3676779
#1	2958.405	70195.94	9711.621	3363.609	3271.671
#2	2966.506	69814.79	9633.610	3352.341	3295.686
#3	2965.464	69712.38	9766.164	3366.723	3285.900

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-17L Acquired: 1/12/2025 23:13:08 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D75L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042483**	**-.015892**	**.6380614**	**.0043337**	**.0000690**	**5.174846**
Stddev	.0002049	.002169	.0027732	.0021283	.0021568	.022935
%RSD	4.823142	13.64658	.4346266	49.10907	3126.653	.4432101
#1	.0043077	-.017880	.6383056	.0060928	.0013625	5.148363
#2	.0044170	-.013579	.6351741	.0019680	-.002421	5.187854
#3	.0040203	-.016216	.6407044	.0049403	.001265	5.188319

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006550**	**.0041403**	**.0094939**	**84.39656**	**.0230542**	**.0058071**
Stddev	.0003317	.0000816	.0001114	.39507	.0001953	.0002010
%RSD	50.63871	1.971631	1.172855	.4681098	.8469423	3.460391
#1	.0007965	.0041447	.0094947	83.94736	.0231513	.0055834
#2	.0002760	.0042197	.0093822	84.69004	.0228295	.0059723
#3	.0008925	.0040566	.0096049	84.55229	.0231820	.0058655

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.321198**	**27.90357**	**23.66417**	**.8373285**	**.0125095**	**.0040659**
Stddev	.002444	.12436	.17105	.0085618	.0004512	.0002850
%RSD	.1850151	.4456867	.7228383	1.022517	3.606900	7.010576
#1	1.323432	27.78049	23.75039	.8274666	.0121856	.0038120
#2	1.321574	28.02918	23.46716	.8416584	.0130248	.0043742
#3	1.318587	27.90105	23.77495	.8428606	.0123179	.0040115

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8640088**	**-.001090**	**2.066750**	**.4001338**	**.7096751**	**.1750267**
Stddev	.0582148	.001760	.008346	.0518426	.0016608	.0004192
%RSD	6.737751	161.4647	.4038233	12.95633	.2340274	.2394933
#1	.7991980	-.001655	2.075226	.3889863	.7083457	.1746439
#2	.9118617	-.002498	2.066482	.4566434	.7091428	.1754746
#3	.8809668	.000883	2.058541	.3547717	.7115369	.1749615

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-17L Acquired: 1/12/2025 23:13:08 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D75L Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000123	F 126.6078	6.341995	-.002796	-.000878	.0020945
Stddev	.0001259	.4025	.014192	.000107	.001325	.0010283
%RSD	1021.835	.3178840	.2237835	3.828891	150.9090	49.09401
#1	-.000102	126.4412	6.345520	-.002679	-.000706	.0018172
#2	.000148	126.3155	6.354093	-.002819	.000353	.0032330
#3	-.000009	127.0669	6.326372	-.002890	-.002280	.0012333

Elem	Sr4077
Units	ppm
Avg	.0562098
Stddev	.0002078
%RSD	.3696977
#1	.0559853
#2	.0563954
#3	.0562487

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2736.070	64367.40	8739.011	3076.040	3607.976
Stddev	1.476	63.64	38.622	6.865	4.707
%RSD	.0539434	.0988706	.4419537	.2231688	.1304573
#1	2734.437	64413.40	8694.497	3076.356	3604.478
#2	2736.461	64294.77	8763.623	3069.022	3613.327
#3	2737.310	64394.03	8758.914	3082.741	3606.122

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV014 Acquired: 1/12/2025 23:17:17 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV014 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.636330**	F **4.412695**	**22.88565**	**4.663735**	**4.599764**	F **359.8862**
Stddev	.012459	.026898	.01557	.007368	.006076	1.9790
%RSD	.2687298	.6095648	.0680303	.1579795	.1320991	.5498828
#1	4.645276	4.418289	22.90155	4.671847	4.606518	357.8579
#2	4.622100	4.436356	22.88496	4.657459	4.594741	361.8118
#3	4.641614	4.383439	22.87043	4.661898	4.598034	359.9887

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.270294**	**.5098935**	**2.531074**	**366.0302**	**14.61493**	**2.313192**
Stddev	.114013	.0029834	.006316	1.5340	.02671	.001484
%RSD	1.229875	.5850969	.2495483	.4190893	.1827251	.0641676
#1	9.394157	.5127013	2.532231	364.3306	14.61359	2.312800
#2	9.169731	.5067611	2.536731	366.4480	14.58892	2.314834
#3	9.246992	.5102181	2.524259	367.3120	14.64228	2.311944

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.90156**	**367.9057**	**13.82351**	**231.4662**	**2.313019**	**1.316428**
Stddev	.04879	.9051	.04925	.3880	.002492	.002039
%RSD	.3509443	.2460222	.3562735	.1676200	.1077302	.1548602
#1	13.90165	366.8811	13.78826	231.0198	2.315803	1.315603
#2	13.85272	368.5967	13.87979	231.7227	2.310997	1.314932
#3	13.95030	368.2394	13.80249	231.6560	2.312257	1.318750

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**363.0807**	**2.279506**	**13.57620**	F **133.9829**	**4.519186**	F **5.563533**
Stddev	.7636	.007300	.02960	.5431	.008187	.022187
%RSD	.2103220	.3202447	.2180201	.4053632	.1811626	.3987861
#1	363.9240	2.287935	13.60140	133.3560	4.520830	5.584326
#2	362.4358	2.275281	13.58359	134.3116	4.526426	5.540176
#3	362.8824	2.275301	13.54360	134.2811	4.510301	5.566098

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV014 Acquired: 1/12/2025 23:17:17 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV014 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **4.325772**	**4.646928**	**4.563071**	**4.556085**	**4.537879**	F **4.069205**
Stddev	.002614	.010794	.006074	.012780	.009725	.018598
%RSD	.0604338	.2322728	.1331201	.2804994	.2143100	.4570432
#1	4.325948	4.657303	4.563924	4.565250	4.548519	4.048736
#2	4.328294	4.647721	4.556616	4.561518	4.529449	4.085065
#3	4.323074	4.635760	4.568675	4.541486	4.535670	4.073814

Elem	Sr4077
Units	ppm
Avg	**4.580535**
Stddev	.043993
%RSD	.9604251
#1	4.596856
#2	4.530715
#3	4.614035

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2158.274**	**52911.03**	**8049.140**	**2548.136**	**2878.624**
Stddev	.843	42.43	40.270	10.907	2.942
%RSD	.0390705	.0801830	.5003021	.4280253	.1022048
#1	2157.394	52934.07	8011.048	2540.935	2875.642
#2	2159.075	52936.95	8091.282	2542.789	2878.705
#3	2158.352	52862.07	8045.090	2560.685	2881.524

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB014 Acquired: 1/12/2025 23:21:36 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB014 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001978**	**-.000127**	**.0021756**	**.0025107**	**.0004039**	**-.000150**	**-.003492**
Stddev	.0014995	.000060	.0011764	.0029817	.0010880	.004893	.000341
%RSD	758.0720	47.27002	54.07560	118.7587	269.3859	3268.791	9.759436
#1	.0016171	-.000058	.0033974	.0055360	.0005437	.004545	-.003492
#2	.0003470	-.000156	.0010505	-.000425	-.000747	.000226	-.003832
#3	-.001371	-.000168	.0020789	.002421	.001415	-.005220	-.003151

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000577**	**.0000978**	**.0202241**	**.0004106**	**.0001241**	**.0009618**	**.0227054**
Stddev	.0000586	.0000317	.0096244	.0001582	.0001298	.0001821	.0059113
%RSD	101.4297	32.48102	47.58892	38.52669	104.6396	18.92883	26.03475
#1	.0000006	.0000980	.0114601	.0002300	.0002668	.0010974	.0254593
#2	.0000550	.0001294	.0186880	.0004772	.0000922	.0010330	.0159196
#3	.0001177	.0000659	.0305242	.0005246	.0000131	.0007549	.0267373

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0020086**	**.0036906**	**-.000286**	**.0004043**	**.0028031**	**-.002672**	**.0005032**
Stddev	.0004874	.0082011	.000184	.0001950	.0778974	.001252	.0001558
%RSD	24.26387	222.2139	64.25986	48.24162	2778.983	46.85277	30.97018
#1	.0015640	-.005228	-.000130	.0006191	.0799284	-.001668	.0006703
#2	.0019321	.010907	-.000239	.0003555	-.075844	-.002274	.0004775
#3	.0025297	.005393	-.000489	.0002382	.004325	-.004075	.0003618

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0392636**	**-.002682**	**.0036315**	**.0005036**	**.0797245**	**.0062677**	**-.000457**
Stddev	.0179806	.001200	.0010053	.0000975	.0044415	.0033704	.000298
%RSD	45.79470	44.73191	27.68330	19.35825	5.571028	53.77410	65.09502
#1	.0190373	-.003963	.0047924	.0005466	.0834863	.0101579	-.000163
#2	.0453176	-.001585	.0030576	.0005722	.0808624	.0042244	-.000452
#3	.0534358	-.002497	.0030446	.0003920	.0748247	.0044209	-.000758

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB014 Acquired: 1/12/2025 23:21:36 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB014 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000291	-.002007	.0000500
Stddev	.000237	.001016	.0000550
%RSD	81.51726	50.61112	109.9853
#1	-.000452	-.001449	.0000561
#2	-.000402	-.003179	-.000008
#3	-.000019	-.001392	.000102

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2659.643	62835.27	8289.653	3002.795	3717.922
Stddev	2.982	110.94	27.367	8.345	10.221
%RSD	.1121254	.1765620	.3301284	.2779008	.2749201
#1	2660.841	62923.23	8300.120	3010.340	3717.159
#2	2656.248	62871.96	8310.241	2993.832	3708.103
#3	2661.840	62710.63	8258.597	3004.212	3728.503

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-19 Acquired: 1/12/2025 23:25:45 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D75S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0659308**	**.0016880**	**3.170675**	**.0907782**	**.0712042**	**25.22401**
Stddev	.0007363	.0048498	.010672	.0020633	.0013391	.24432
%RSD	1.116782	287.3135	.3365870	2.272939	1.880588	.9686046
#1	.0664927	.0072421	3.165715	.0899007	.0708218	24.96772
#2	.0662024	-.000469	3.163387	.0892986	.0726928	25.25003
#3	.0650973	-.001710	3.182925	.0931352	.0700979	25.45428

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.474389**	**.0614861**	**.0969297**	**381.8527**	**.2726272**	**.5041256**
Stddev	.016453	.0004638	.0003108	1.9042	.0008477	.0014275
%RSD	1.115912	.7542525	.3206795	.4986822	.3109300	.2831535
#1	1.457778	.0616159	.0971738	379.6654	.2719404	.5036169
#2	1.474710	.0618711	.0965798	383.1409	.2723666	.5030221
#3	1.490679	.0609712	.0970354	382.7518	.2735746	.5057377

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.018838**	**124.4192**	F **101.0124**	**3.775949**	**.5411008**	**.0494167**
Stddev	.028761	1.1868	.4317	.019558	.0019920	.0002149
%RSD	.4778517	.9538702	.4273556	.5179679	.3681369	.4348663
#1	6.008035	123.1818	100.7380	3.757848	.5403510	.0495232
#2	6.051436	124.5279	101.5100	3.773303	.5395926	.0491694
#3	5.997042	125.5479	100.7891	3.796695	.5433589	.0495576

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.431922**	**.4150617**	**9.997211**	**1.885228**	**3.760268**	**.7754797**
Stddev	.219523	.0021832	.010199	.033907	.021339	.0061303
%RSD	6.396516	.5259810	.1020208	1.798542	.5674982	.7905192
#1	3.563386	.4159254	9.988240	1.865920	3.771110	.7684726
#2	3.553883	.4166809	9.995088	1.865385	3.735684	.7781139
#3	3.178498	.4125789	10.00831	1.924379	3.774009	.7798526

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5392-19 Acquired: 1/12/2025 23:25:45 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MH2D75S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001522	F 618.8020	F 28.12766	-.002818	-.002216	.0169508
Stddev	.000072	1.9716	.12763	.001107	.000623	.0007753
%RSD	4.730527	.3186112	.4537677	39.28520	28.11451	4.573538
#1	-.001596	619.7394	28.13766	-.004043	-.002547	.0175979
#2	-.001518	616.5366	28.24999	-.001888	-.001497	.0171630
#3	-.001452	620.1299	27.99531	-.002525	-.002603	.0160916

Elem	Sr4077
Units	ppm
Avg	.2527166
Stddev	.0026714
%RSD	1.057090
#1	.2500463
#2	.2527142
#3	.2553892

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2977.251	69778.19	9796.533	3367.969	3310.402
Stddev	10.170	318.84	65.603	6.859	10.947
%RSD	.3416054	.4569319	.6696535	.2036606	.3306947
#1	2988.506	70109.54	9755.265	3375.664	3319.700
#2	2974.530	69751.50	9762.153	3362.498	3313.171
#3	2968.718	69473.54	9872.180	3365.744	3298.336

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165941TB Acquired: 1/12/2025 23:29:55 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LEB941 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001563**	**-.000498**	**-.000569**	**.0007261**	**-.000825**	**-.016019**	**-.003672**
Stddev	.000316	.000900	.001511	.0025941	.000698	.001212	.000138
%RSD	20.21167	180.7717	265.4464	357.2802	84.67690	7.568341	3.767002
#1	-.001298	.000133	.001169	-.000775	-.000394	-.017350	-.003801
#2	-.001913	-.000098	-.001309	.003722	-.001630	-.014977	-.003689
#3	-.001479	-.001529	-.001568	-.000768	-.000449	-.015729	-.003526

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000332**	**-.000032**	**.0380592**	**-.000383**	**.0001979**	**-.000870**	**.0190105**
Stddev	.0000739	.000090	.0060810	.000199	.0001136	.000762	.0041965
%RSD	222.6087	277.9223	15.97767	51.96593	57.38801	87.50612	22.07453
#1	.0000747	-.000016	.0312153	-.000229	.0002845	-.001686	.0167452
#2	-.000052	-.000129	.0428410	-.000608	.0000693	-.000747	.0164335
#3	.000077	.000048	.0401214	-.000314	.0002399	-.000178	.0238528

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0088252**	**.0171326**	**-.000268**	**.0004396**	**.2640370**	**-.002425**	**.0006140**
Stddev	.0003119	.0079021	.000254	.0001039	.0231391	.000174	.0002692
%RSD	3.534136	46.12310	94.52146	23.62512	8.763574	7.195268	43.83240
#1	.0090628	.0226064	-.000240	.0004525	.2375537	-.002394	.0008981
#2	.0089407	.0207181	-.000030	.0003300	.2742141	-.002613	.0005813
#3	.0084720	.0080734	-.000535	.0005365	.2803433	-.002268	.0003628

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.049319**	**-.001522**	**-.000461**	**.0000089**	**.0997349**	**.0155053**	**-.000325**
Stddev	.015544	.001317	.000719	.0000798	.0095732	.0070499	.000419
%RSD	31.51808	86.57882	155.8669	895.1732	9.598633	45.46754	128.9818
#1	-.048083	-.001865	-.000267	.0000683	.1088233	.0228801	.000048
#2	-.065444	-.002634	.000141	-.000082	.1006402	.0148028	-.000244
#3	-.034429	-.000067	-.001257	.000040	.0897412	.0088330	-.000779

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: PB165941TB Acquired: 1/12/2025 23:29:55 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LEB941 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**-.001014**	**-.001747**	**-.000102**
Stddev	.001042	.001893	.000057
%RSD	102.7534	108.3358	56.34074
#1	.000158	.000136	-.000047
#2	-.001834	-.001728	-.000097
#3	-.001366	-.003650	-.000162

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2637.037**	**62244.00**	**8159.565**	**2972.939**	**3713.200**
Stddev	3.172	252.34	74.161	19.093	.533
%RSD	.1202827	.4054102	.9088836	.6422271	.0143608
#1	2633.889	62327.36	8101.061	2993.239	3713.751
#2	2640.233	62444.12	8134.662	2970.239	3713.162
#3	2636.990	61960.53	8242.972	2955.340	3712.687

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-23DLX5 Acquired: 1/12/2025 23:34:05 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN18 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0323758**	**-.007061**	**.1797785**	**.0089872**	**-.002812**	**13.88051**	**.7565663**
Stddev	.0006101	.000815	.0011634	.0009007	.000853	.23603	.0147747
%RSD	1.884567	11.53736	.6471163	10.02182	30.32449	1.700413	1.952864
#1	.0318146	-.006985	.1797141	.0100261	-.002968	13.64362	.7426053
#2	.0330253	-.006287	.1809728	.0084262	-.003575	13.88224	.7550551
#3	.0322876	-.007911	.1786487	.0085092	-.001892	14.11566	.7720386

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019697**	**.0031288**	**21.63015**	**.0350270**	**.0330082**	**.0891909**	**47.04827**
Stddev	.0000347	.0000495	.34908	.0004177	.0002433	.0008712	.79935
%RSD	1.759056	1.583132	1.613876	1.192453	.7369692	.9767336	1.699005
#1	.0019879	.0031611	21.28566	.0349673	.0327592	.0901883	46.27273
#2	.0019915	.0030718	21.62115	.0346424	.0332452	.0885788	47.00262
#3	.0019298	.0031536	21.98365	.0354713	.0330201	.0888056	47.86947

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.56074**	**7.736439**	**.0482683**	**-.002919**	**.2715134**	**.0353532**	**.4909060**
Stddev	.24513	.137088	.0004841	.000409	.1987325	.0023426	.0062372
%RSD	1.807640	1.771983	1.003001	14.01166	73.19436	6.626217	1.270542
#1	13.33512	7.600669	.0479173	-.003383	.3952547	.0373956	.4884617
#2	13.52554	7.733839	.0488206	-.002613	.3770065	.0327961	.4862612
#3	13.82157	7.874809	.0480671	-.002759	.0422789	.0358680	.4979951

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.188244**	**2.280053**	**.1932491**	**.0051917**	**.3495563**	**5.645989**	**.0068057**
Stddev	.090162	.005778	.0035573	.0000537	.0040259	.012572	.0006949
%RSD	7.587823	.2534073	1.840804	1.034994	1.151706	.2226698	10.20989
#1	1.100959	2.279992	.1895654	.0051298	.3533908	5.631474	.0064337
#2	1.182744	2.285861	.1935169	.0052267	.3499152	5.653058	.0063761
#3	1.281030	2.274306	.1966650	.0052185	.3453631	5.653435	.0076074

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: P5212-23DLX5 Acquired: 1/12/2025 23:34:05 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHN18 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1925809	.0220461	.0519867
Stddev	.0010764	.0019375	.0009741
%RSD	.5589338	8.788358	1.873756
#1	.1930295	.0214105	.0509552
#2	.1913527	.0205063	.0521140
#3	.1933604	.0242216	.0528909

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2771.541	65950.57	8718.132	3148.064	3538.233
Stddev	13.040	642.47	61.001	29.257	8.313
%RSD	.4704945	.9741675	.6997074	.9293746	.2349526
#1	2763.982	66484.79	8647.748	3173.543	3531.001
#2	2764.042	66129.23	8750.946	3154.536	3536.383
#3	2786.598	65237.68	8755.703	3116.112	3547.316

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV015 Acquired: 1/12/2025 23:38:05 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV015 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.705592**	**4.548958**	**23.21336**	**4.710303**	**4.664467**	F **352.0690**
Stddev	.006231	.029444	.07563	.015382	.014642	4.4792
%RSD	.1324250	.6472765	.3257963	.3265672	.3139129	1.272258
#1	4.703087	4.545044	23.17211	4.692585	4.651935	353.1810
#2	4.701003	4.580164	23.16733	4.718083	4.660904	347.1385
#3	4.712686	4.521667	23.30065	4.720241	4.680562	355.8874

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.053080**	**.5194749**	**2.574535**	F **357.5433**	**14.72267**	**2.340812**
Stddev	.079258	.0013587	.005775	1.5755	.04376	.009099
%RSD	.8754796	.2615557	.2242945	.4406366	.2972600	.3887101
#1	8.995470	.5203115	2.570124	359.3456	14.77022	2.338170
#2	9.143469	.5202060	2.572411	356.4277	14.68408	2.333327
#3	9.020301	.5179072	2.581071	356.8566	14.71371	2.350940

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.03333**	**361.8305**	**13.57912**	**228.2131**	**2.341106**	**1.307614**
Stddev	.02340	.5410	.00966	.3364	.008026	.003703
%RSD	.1667488	.1495091	.0711559	.1474215	.3428307	.2832138
#1	14.06035	362.1036	13.58073	228.4497	2.338000	1.311539
#2	14.01993	361.2074	13.58787	227.8280	2.335098	1.304182
#3	14.01972	362.1805	13.56875	228.3618	2.350221	1.307119

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**367.1128**	**2.312752**	**13.81070**	F **130.6849**	**4.673094**	F **5.589529**
Stddev	1.3533	.006248	.01747	.1273	.006334	.003842
%RSD	.3686408	.2701467	.1264961	.0973979	.1355427	.0687332
#1	367.7141	2.313187	13.79279	130.7844	4.670957	5.593691
#2	368.0612	2.318772	13.82769	130.5415	4.668106	5.588779
#3	365.5630	2.306299	13.81163	130.7287	4.680221	5.586118

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCV015 Acquired: 1/12/2025 23:38:05 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV015 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 4.382211	4.676734	4.649453	4.631333	4.594188	F 4.004726
Stddev	.015704	.015325	.015134	.010098	.007574	.006208
%RSD	.3583682	.3276760	.3255053	.2180424	.1648567	.1550183
#1	4.369876	4.679129	4.652628	4.629089	4.599953	4.011895
#2	4.376866	4.660353	4.662748	4.622545	4.597000	4.001148
#3	4.399890	4.690719	4.632983	4.642364	4.585610	4.001136

Elem	Sr4077
Units	ppm
Avg	F 4.440951
Stddev	.065427
%RSD	1.473259
#1	4.489143
#2	4.467243
#3	4.366469

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2111.120	53027.17	7812.047	2564.727	2815.885
Stddev	2.781	186.34	24.844	5.550	3.731
%RSD	.1317090	.3514082	.3180257	.2164079	.1325042
#1	2113.415	52830.78	7785.814	2571.121	2817.914
#2	2111.917	53201.50	7815.107	2561.150	2818.162
#3	2108.028	53049.22	7835.219	2561.909	2811.579

Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB015 Acquired: 1/12/2025 23:42:24 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB015 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000145**	**.0006347**	**.0001485**	**-.000068**	**-.000223**	**.0118735**	**-.002897**
Stddev	.000678	.0004614	.0001671	.000509	.000466	.0087215	.000319
%RSD	469.1801	72.68796	112.5020	745.4239	209.2007	73.45403	10.99924
#1	-.000844	.0011540	.0000515	-.000603	-.000353	.0055428	-.002896
#2	.000510	.0002720	.0000525	.000411	.000294	.0082559	-.002579
#3	-.000100	.0004782	.0003414	-.000012	-.000610	.0218217	-.003217

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000107**	**.0000495**	**.0228709**	**.0004121**	**.0000946**	**.0003690**	**.0228687**
Stddev	.0000509	.0000800	.0102525	.0004384	.0001403	.0020237	.0049882
%RSD	478.0686	161.6448	44.82799	106.3607	148.1944	548.4990	21.81237
#1	.0000276	.0000980	.0228565	-.000001	.0001631	-.000709	.0285630
#2	-.000047	.0000933	.0331306	.000366	-.000067	-.000888	.0192706
#3	.000051	-.000043	.0126255	.000872	.000188	.002703	.0207726

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010120**	**.0122007**	**-.000413**	**.0003252**	**.1589226**	**-.001065**	**.0004691**
Stddev	.0003518	.0104520	.000219	.0002055	.1488858	.002591	.0003070
%RSD	34.76202	85.66759	53.01918	63.19464	93.68449	243.1640	65.43287
#1	.0010669	.0212928	-.000618	.0000969	.2589039	-.000704	.0004213
#2	.0013330	.0007811	-.000438	.0004953	-.012187	-.003818	.0001889
#3	.0006360	.0145280	-.000182	.0003833	.230051	.001325	.0007972

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.012521**	**-.002072**	**.0036599**	**.0002097**	**.0459537**	**.0062983**	**.0001474**
Stddev	.085097	.001794	.0009615	.0003553	.0010813	.0050852	.0004343
%RSD	679.6260	86.55886	26.27117	169.4200	2.352968	80.73811	294.6044
#1	.020334	-.001694	.0028737	.0006197	.0447293	.0099541	-.000324
#2	-.109148	-.000498	.0047319	-.000007	.0467776	.0084497	.000234
#3	.051250	-.004025	.0033742	.000016	.0463543	.0004911	.000532

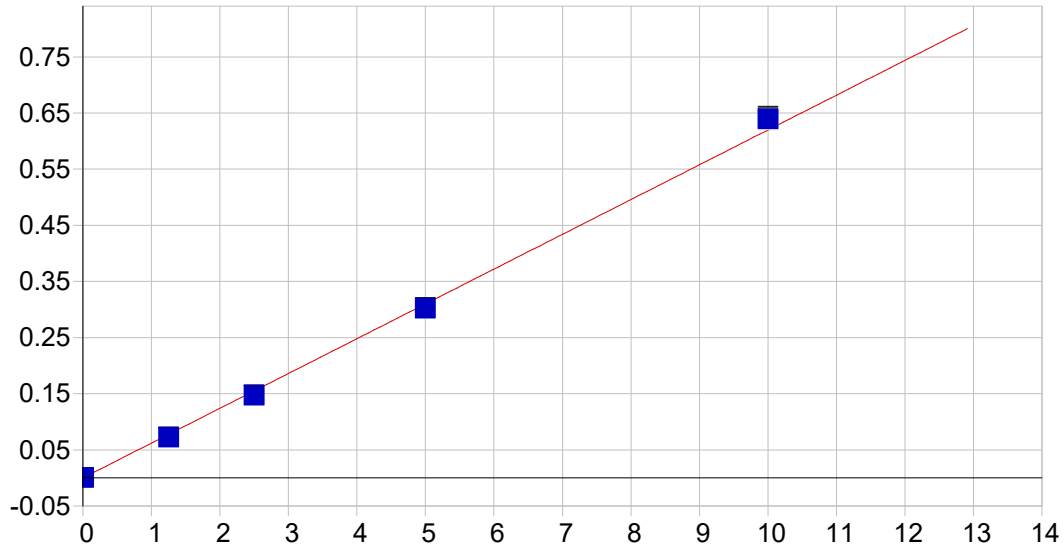
Reviewed By:Mohan
On:1/13/2025 6:55:51 AM
Inst Id :P4

Sample Name: CCB015 Acquired: 1/12/2025 23:42:24 Type: Unk
Method: EPA SFAM01.0(v33) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB015 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000151	-.001179	.0001298
Stddev	.000728	.000830	.0000224
%RSD	482.8681	70.37736	17.22840
#1	-.000362	-.000240	.0001543
#2	-.000750	-.001814	.0001105
#3	.000660	-.001483	.0001246

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2659.999	61315.46	8179.547	2977.853	3741.360
Stddev	9.327	229.92	23.338	18.884	10.935
%RSD	.3506342	.3749785	.2853205	.6341379	.2922768
#1	2651.282	61102.82	8162.789	2962.945	3731.392
#2	2658.881	61284.11	8169.648	2971.526	3739.634
#3	2669.835	61559.45	8206.203	2999.087	3753.056

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



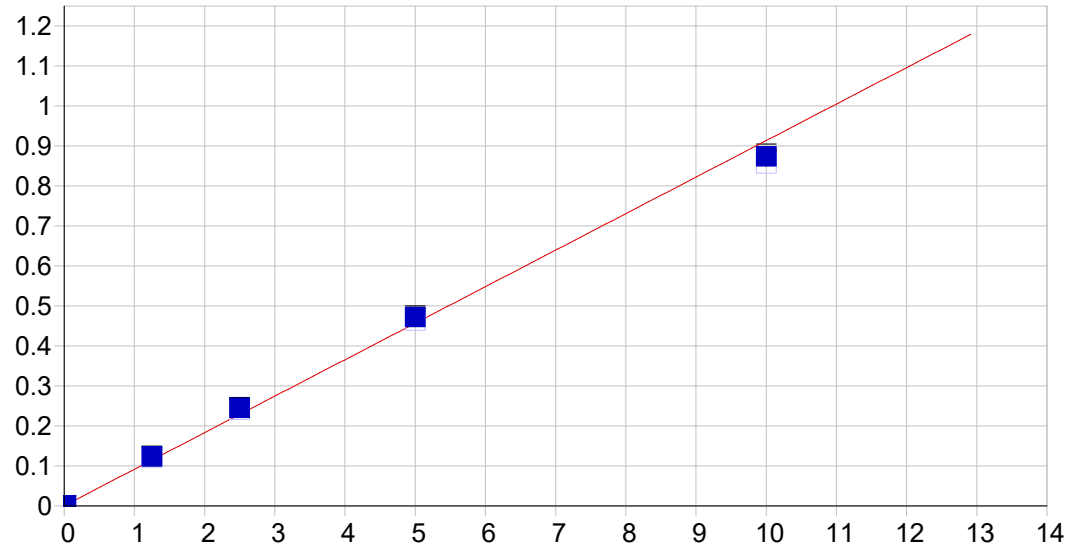
As 189.042 {479}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000052	Re-Slope:	1.000000
A1 (Gain):	0.061980	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999341	Status:	OK.
Std Error of Est:	0.000038		
Predicted MDL:	0.004292		
Predicted MQL:	0.014306		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00005	.000	1
S1	.01000	.00983	-.000	-1.69	.00066	.000	1
S3	2.5000	2.3794	-.121	-4.83	.14691	.000	1
S4	5.0000	4.8808	-.119	-2.38	.30133	.001	1
S5	10.000	10.323	.323	3.23	.63738	.004	1
S2	1.2500	1.1673	-.083	-6.62	.07209	.000	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



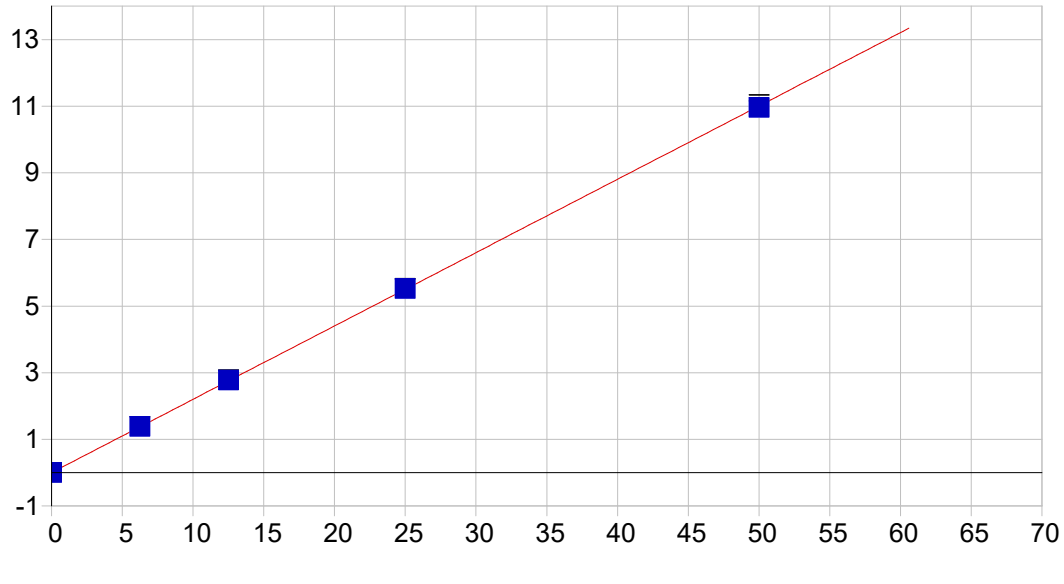
Tl 190.856 {477}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000446	Re-Slope:	1.000000
A1 (Gain):	0.091305	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998791	Status:	OK.
Std Error of Est:	0.000117		
Predicted MDL:	0.002487		
Predicted MQL:	0.008291		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00045	.000	1
S1	.02500	.02464	-.000	-1.43	.00260	.000	1
S3	2.5000	2.6750	.175	7.00	.24028	.002	1
S4	5.0000	5.1689	.169	3.38	.46357	.003	1
S5	10.000	9.5643	-.436	-4.36	.85606	.007	1
S2	1.2500	1.3421	.092	7.37	.12078	.002	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



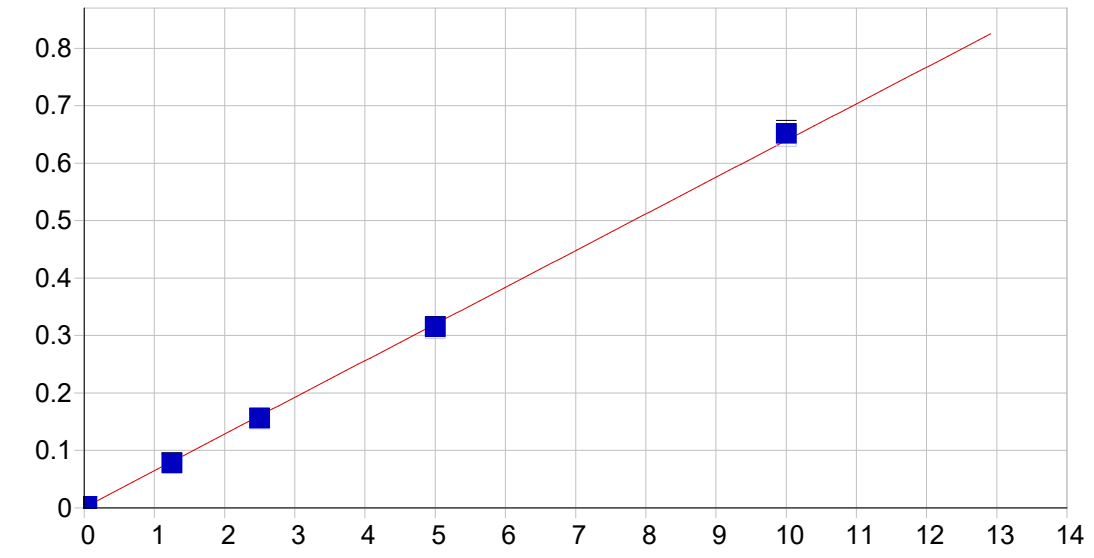
Pb 220.353 {453}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000049	Re-Slope:	1.000000
A1 (Gain):	0.220205	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999982	Status:	OK.
Std Error of Est:	0.000049		
Predicted MDL:	0.002411		
Predicted MQL:	0.008036		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00005	.000	1
S1	.01000	.00764	-.002	-23.6	.00162	.000	1
S3	12.500	12.627	.127	1.01	2.7781	.007	1
S4	25.000	25.081	.081	.322	5.5182	.010	1
S5	50.000	49.769	-.231	-.462	10.950	.089	1
S2	6.2500	6.2760	.026	.415	1.3808	.004	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



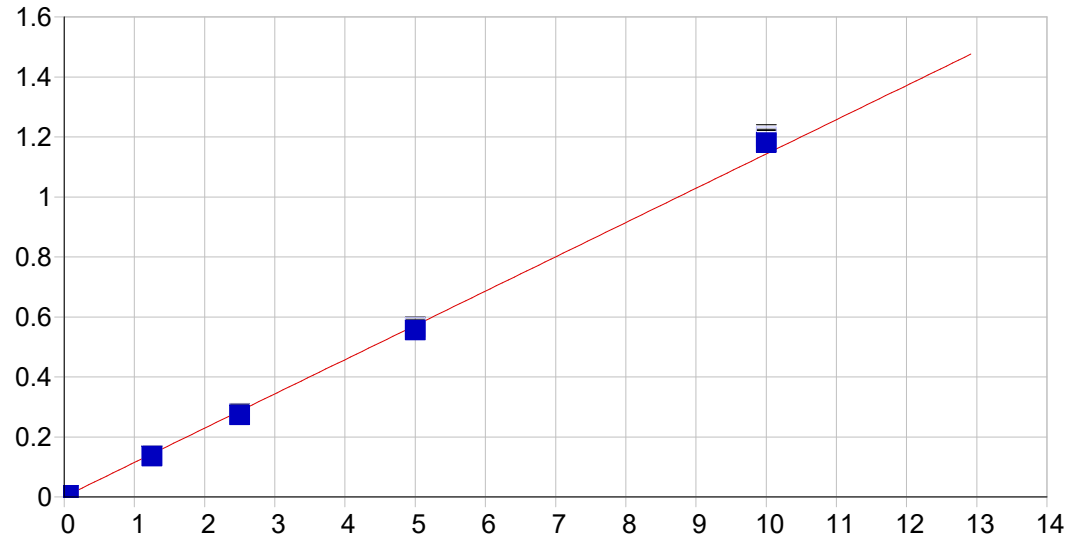
Se 196.090 {472}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000850	Re-Slope:	1.000000
A1 (Gain):	0.063848	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999744	Status:	OK.
Std Error of Est:	0.000045		
Predicted MDL:	0.005351		
Predicted MQL:	0.017835		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00085	.000	1
S1	.03500	.02906	-.006	-17.0	.00270	.000	1
S3	2.5000	2.4270	-.073	-2.92	.15434	.001	1
S4	5.0000	4.9204	-.080	-1.59	.31206	.001	1
S5	10.000	10.197	.197	1.97	.64601	.005	1
S2	1.2500	1.2118	-.038	-3.05	.07749	.001	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



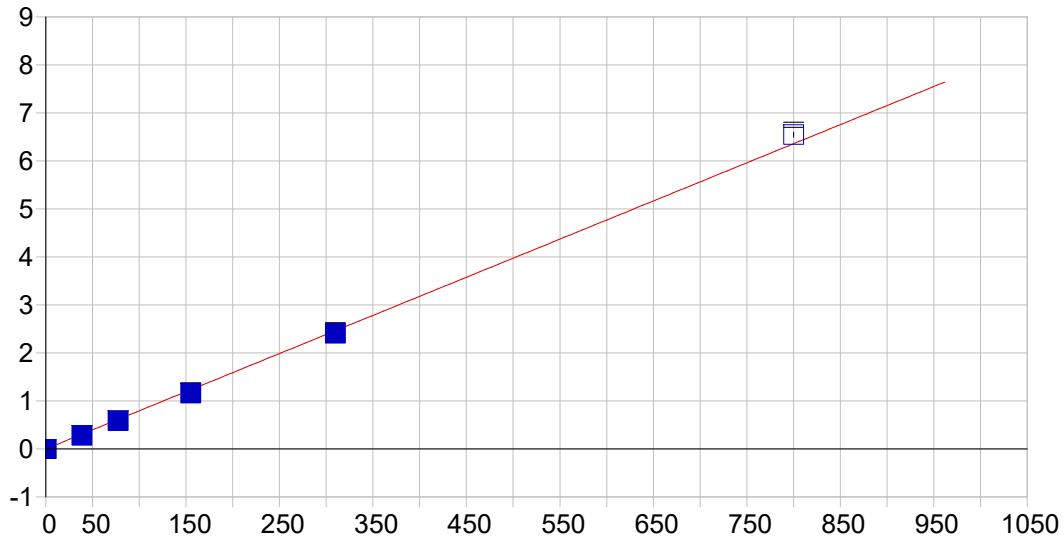
Sb 206.833 {463}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000503	Re-Slope:	1.000000
A1 (Gain):	0.114244	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999335	Status:	OK.
Std Error of Est:	0.000174		
Predicted MDL:	0.003595		
Predicted MQL:	0.011983		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00050	.000	1
S1	.06000	.05197	-.008	-13.4	.00643	.000	1
S3	2.5000	2.3822	-.118	-4.71	.27732	.001	1
S4	5.0000	4.8634	-.137	-2.73	.56546	.001	1
S5	10.000	10.335	.335	3.35	1.1999	.007	1
S2	1.2500	1.1769	-.073	-5.84	.13730	.001	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



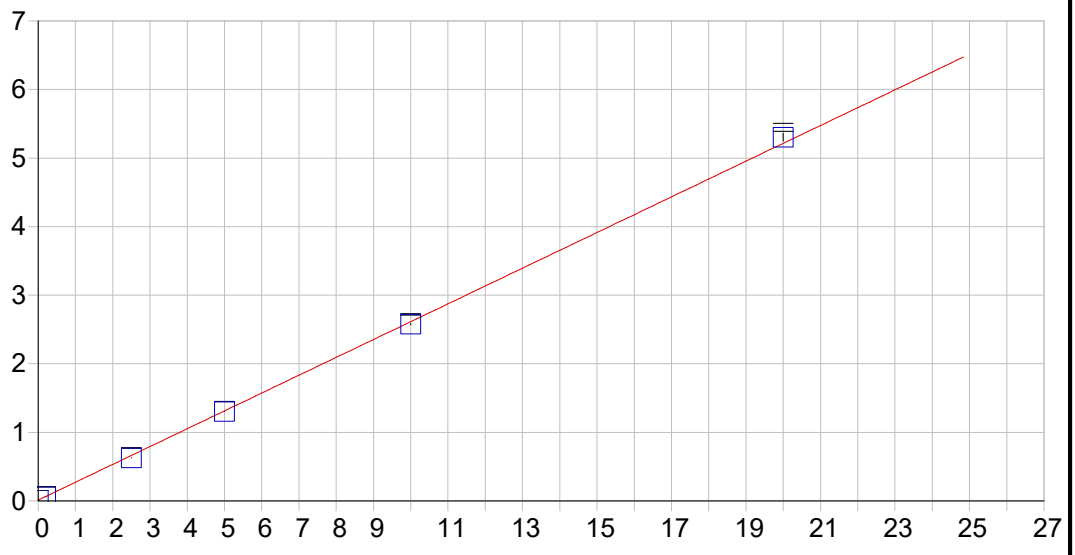
Al 396.152 { 85}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000142	Re-Slope:	1.000000
A1 (Gain):	0.007947	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999320	Status:	OK.
Std Error of Est:	0.000182		
Predicted MDL:	0.023538		
Predicted MQL:	0.078458		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00008	.000	.000	-.00014	.000	1
S1	.20000	.15968	-.040	-20.2	.00113	.000	1
S3	77.500	73.687	-3.81	-4.92	.58618	.002	1
S4	155.00	146.05	-8.95	-5.77	1.1620	.003	1
S5	310.00	302.62	-7.38	-2.38	2.4077	.011	1
S2	38.750	35.358	-3.39	-8.75	.28121	.001	1
S6	800.00	823.60	23.6	2.95	6.5451	.053	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



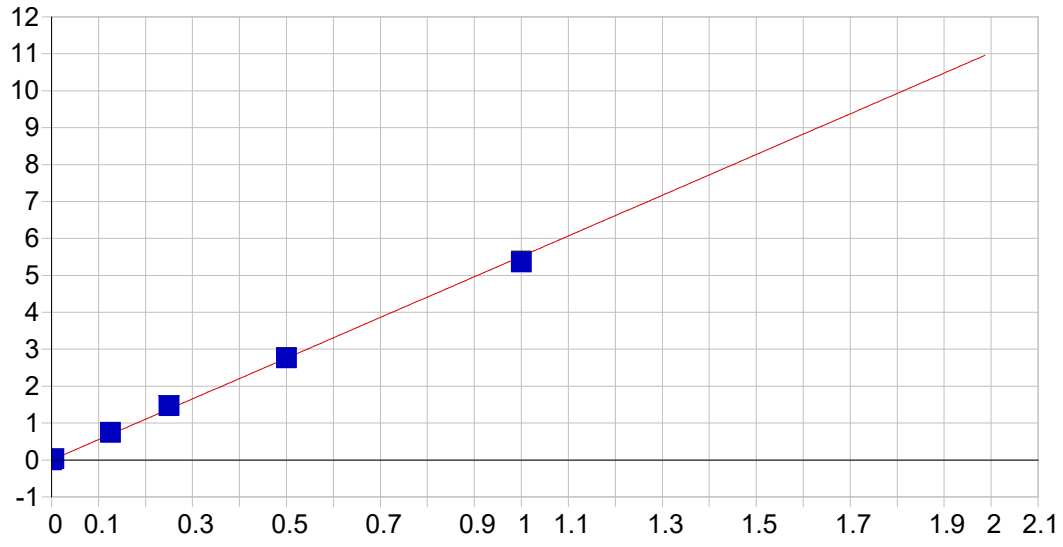
Ba 493.409 { 68}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.012287	Re-Slope:	1.000000
A1 (Gain):	0.260121	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999771	Status:	OK.
Std Error of Est:	0.000592		
Predicted MDL:	0.001833		
Predicted MQL:	0.006112		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00003	.000	.000	.01229	.000	1
S1	.20000	.17954	-.020	-10.2	.05899	.000	1
S3	5.0000	4.9637	-.036	-.726	1.3035	.002	1
S4	10.000	9.8557	-.144	-1.44	2.5760	.007	1
S5	20.000	20.335	.335	1.68	5.3020	.058	1
S2	2.5000	2.3656	-.134	-5.38	.62763	.000	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



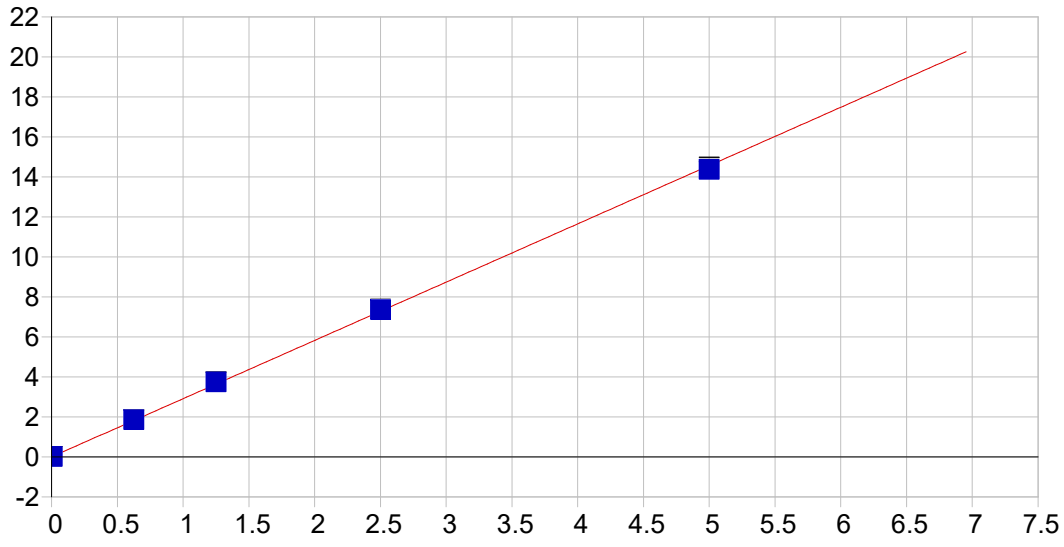
Be 234.861 {144}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000304	Re-Slope:	1.000000
A1 (Gain):	5.514861	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999288	Status:	OK.
Std Error of Est:	0.000778		
Predicted MDL:	0.000130		
Predicted MQL:	0.000433		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00030	.001	1
S1	.00500	.00516	.000	3.18	.02872	.001	1
S3	.25000	.26657	.017	6.63	1.4642	.004	1
S4	.50000	.50067	.001	.135	2.7490	.012	1
S5	1.0000	.97260	-.027	-2.74	5.3392	.025	1
S2	.12500	.13500	.010	8.00	.74171	.003	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



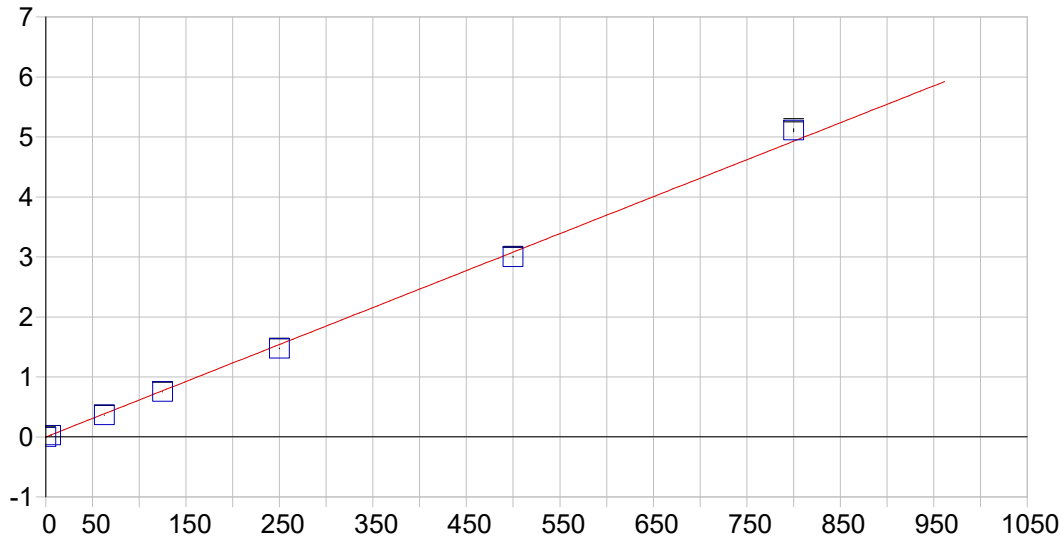
Cd 214.438 {457}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000183	Re-Slope:	1.000000
A1 (Gain):	2.913845	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999873	Status:	OK.
Std Error of Est:	0.000390		
Predicted MDL:	0.000117		
Predicted MQL:	0.000390		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00018	.000	1
S1	.00500	.00465	-.000	-7.03	.01374	.000	1
S3	1.2500	1.2827	.033	2.62	3.7451	.007	1
S4	2.5000	2.5285	.029	1.14	7.3823	.015	1
S5	5.0000	4.9289	-.071	-1.42	14.391	.108	1
S2	.62500	.63525	.010	1.64	1.8548	.005	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



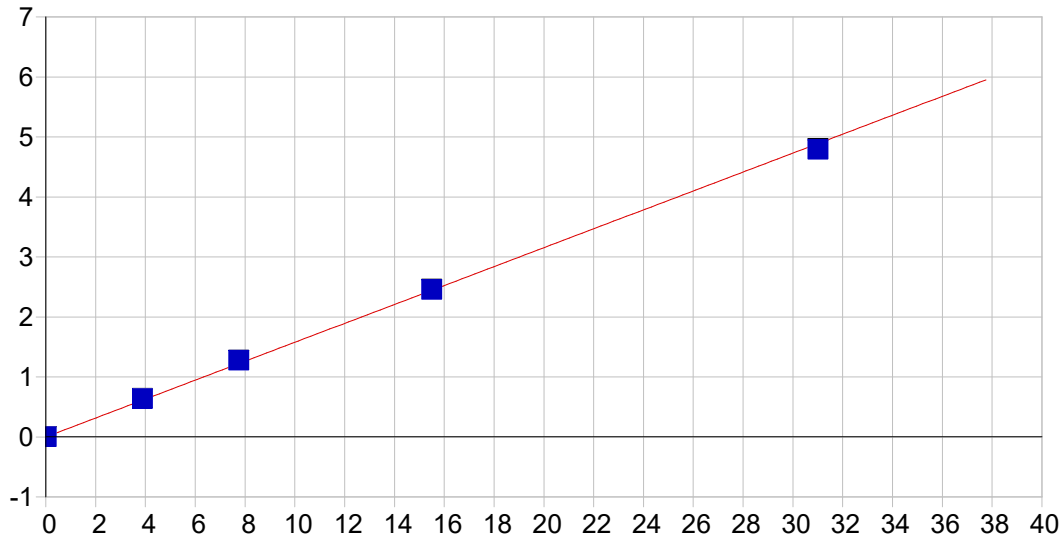
Ca 373.690 { 90}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000079	Re-Slope:	1.000000
A1 (Gain):	0.006159	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999363	Status:	OK.
Std Error of Est:	0.000768		
Predicted MDL:	0.024210		
Predicted MQL:	0.080699		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00109	.001	.000	-.00007	.000	1
S2	62.500	59.001	-3.50	-5.60	.36333	.001	1
S3	125.00	122.14	-2.86	-2.29	.75220	.001	1
S4	250.00	239.44	-10.6	-4.22	1.4747	.004	1
S5	500.00	487.35	-12.7	-2.53	3.0016	.008	1
S1	5.0000	4.4566	-.543	-10.9	.02737	.000	1
S6	800.00	830.12	30.1	3.77	5.1129	.025	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



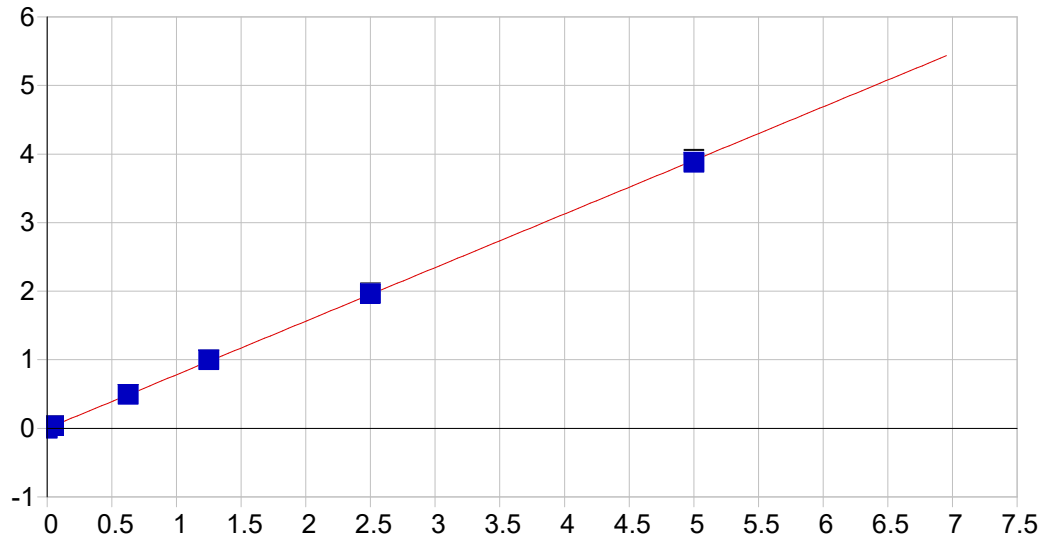
Cr 267.716 {126}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000078	Re-Slope:	1.000000
A1 (Gain):	0.157670	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999690	Status:	OK.
Std Error of Est:	0.000116		
Predicted MDL:	0.000752		
Predicted MQL:	0.002507		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00008	.000	1
S1	.01000	.01013	.000	1.28	.00152	.000	1
S3	7.7500	8.0961	.346	4.47	1.2767	.003	1
S4	15.500	15.580	.080	.513	2.4570	.003	1
S5	31.000	30.394	-.606	-1.95	4.7934	.015	1
S2	3.8750	4.0552	.180	4.65	.63946	.001	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



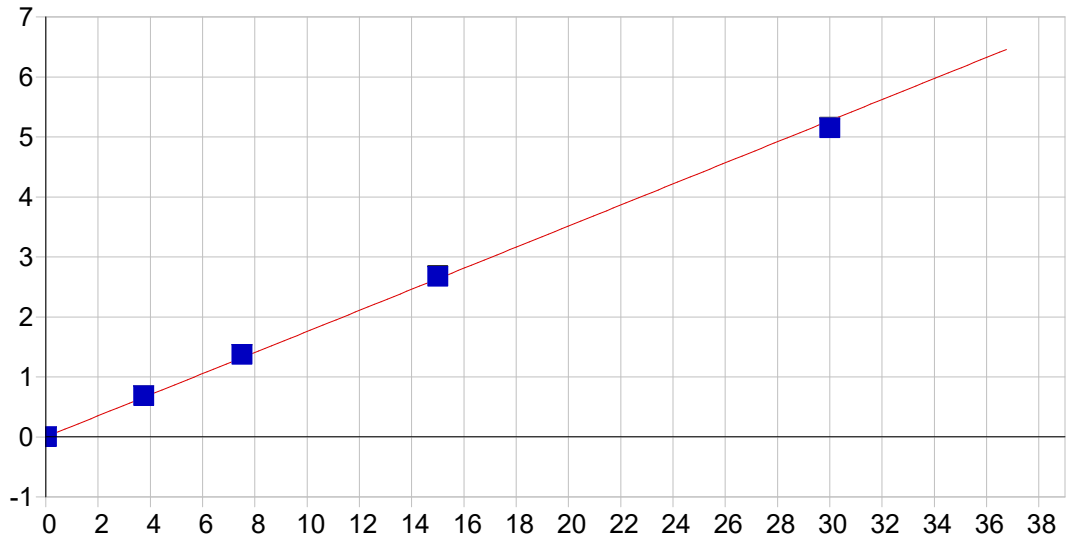
Co 228.616 {448}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000108	Re-Slope:	1.000000
A1 (Gain):	0.781494	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999930	Status:	OK.
Std Error of Est:	0.000247		
Predicted MDL:	0.000473		
Predicted MQL:	0.001578		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00011	.000	1
S1	.05000	.04596	-.004	-8.09	.03595	.000	1
S3	1.2500	1.2753	.025	2.02	1.0003	.002	1
S4	2.5000	2.5151	.015	.603	1.9728	.005	1
S5	5.0000	4.9580	-.042	-.840	3.8894	.033	1
S2	.62500	.63067	.006	.907	.49461	.001	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



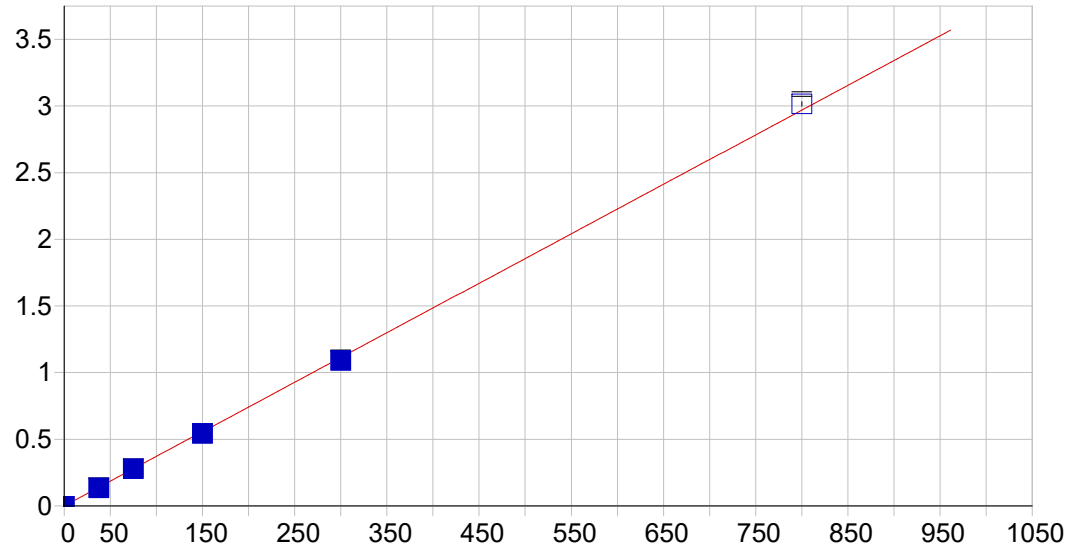
Cu 324.754 {104}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000575	Re-Slope:	1.000000
A1 (Gain):	0.175662	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999652	Status:	OK.
Std Error of Est:	0.000213		
Predicted MDL:	0.005223		
Predicted MQL:	0.017409		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00057	.001	1
S1	.02500	.02568	.001	2.73	.00509	.000	1
S3	7.5000	7.8052	.305	4.07	1.3715	.002	1
S4	15.000	15.231	.231	1.54	2.6758	.007	1
S5	30.000	29.302	-.698	-2.33	5.1472	.013	1
S2	3.7500	3.9117	.162	4.31	.68766	.001	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



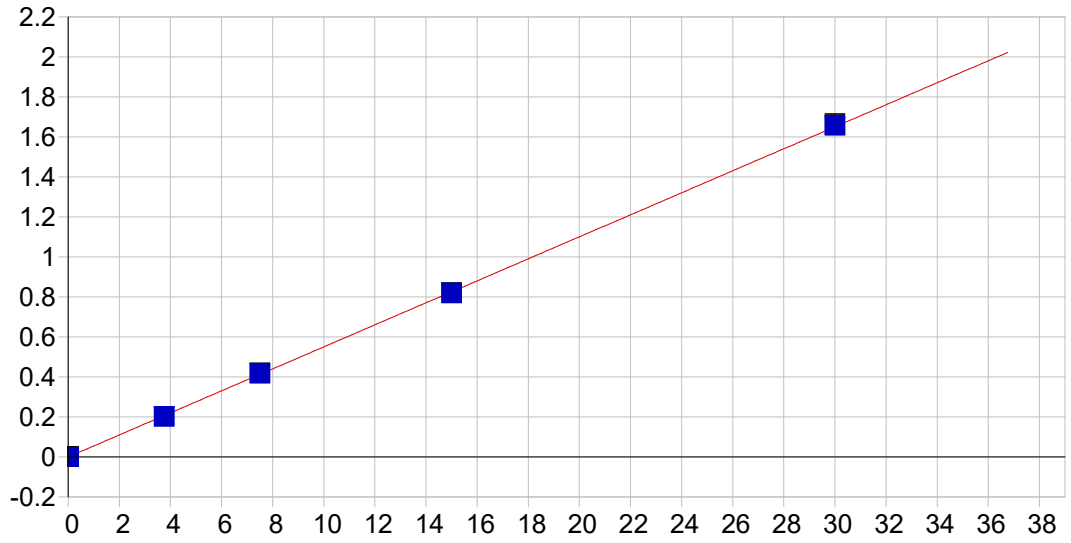
Fe 259.837 {130}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000041	Re-Slope:	1.000000
A1 (Gain):	0.003712	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999818	Status:	OK.
Std Error of Est:	0.000031		
Predicted MDL:	0.015769		
Predicted MQL:	0.052564		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00004	.000	1
S1	.10000	.08471	-.015	-15.3	.00035	.000	1
S3	75.000	74.793	-.207	-.276	.27737	.001	1
S4	150.00	145.88	-4.12	-2.74	.54095	.002	1
S5	300.00	293.37	-6.63	-2.21	1.0878	.005	1
S2	37.500	36.199	-1.30	-3.47	.13426	.001	1
S6	800.00	812.26	12.3	1.53	3.0149	.017	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



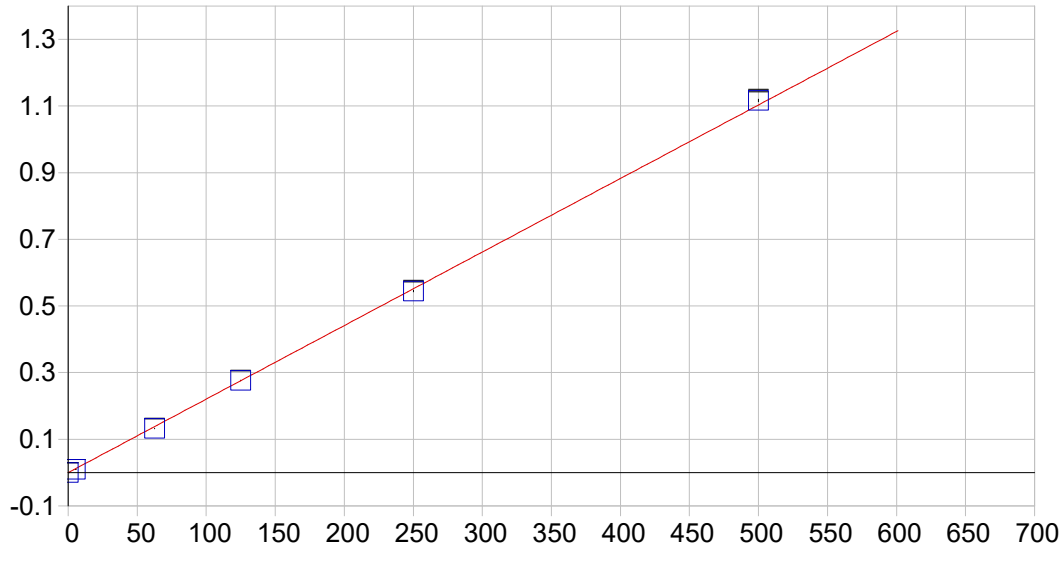
Mn 257.610 {131}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000006	Re-Slope:	1.000000
A1 (Gain):	0.055022	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999955	Status:	OK.
Std Error of Est:	0.000019		
Predicted MDL:	0.000991		
Predicted MQL:	0.003303		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00001	.000	1
S1	.01500	.01346	-.002	-10.3	.00075	.000	1
S3	7.5000	7.5912	.091	1.22	.41740	.002	1
S4	15.000	14.878	-.122	-.815	.81804	.002	1
S5	30.000	30.126	.126	.419	1.6564	.008	1
S2	3.7500	3.6570	-.093	-2.48	.20108	.001	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



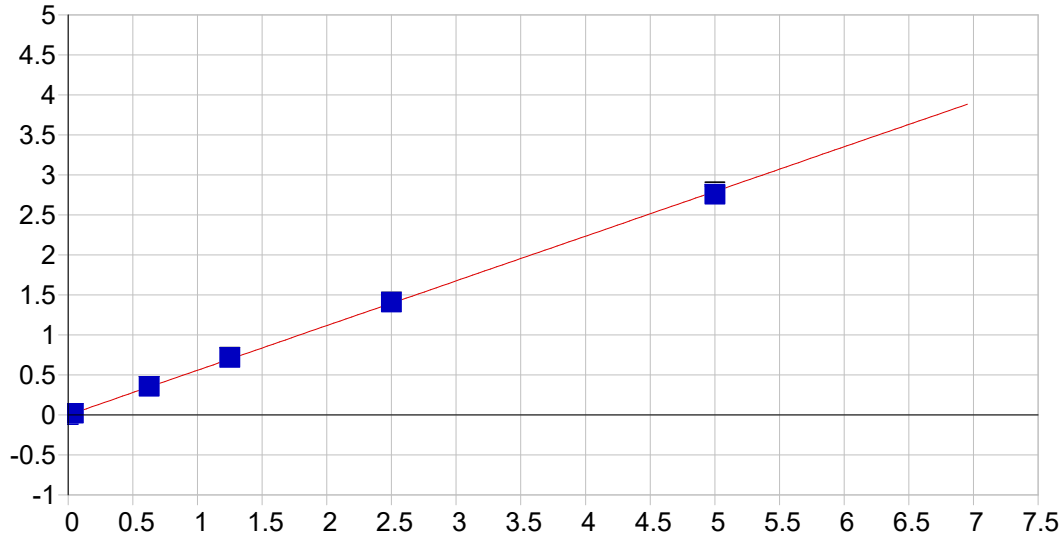
Mg 279.079 {121}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000071	Re-Slope:	1.000000
A1 (Gain):	0.002207	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999844	Status:	OK.
Std Error of Est:	0.000103		
Predicted MDL:	0.035078		
Predicted MQL:	0.116926		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00083	.001	.000	-.00007	.000	1
S2	62.500	59.979	-2.52	-4.03	.13228	.001	1
S3	125.00	125.25	.250	.200	.27631	.001	1
S4	250.00	246.89	-3.11	-1.24	.54473	.002	1
S5	500.00	506.01	6.01	1.20	1.1165	.004	1
S1	5.0000	4.3674	-.633	-12.7	.00957	.000	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



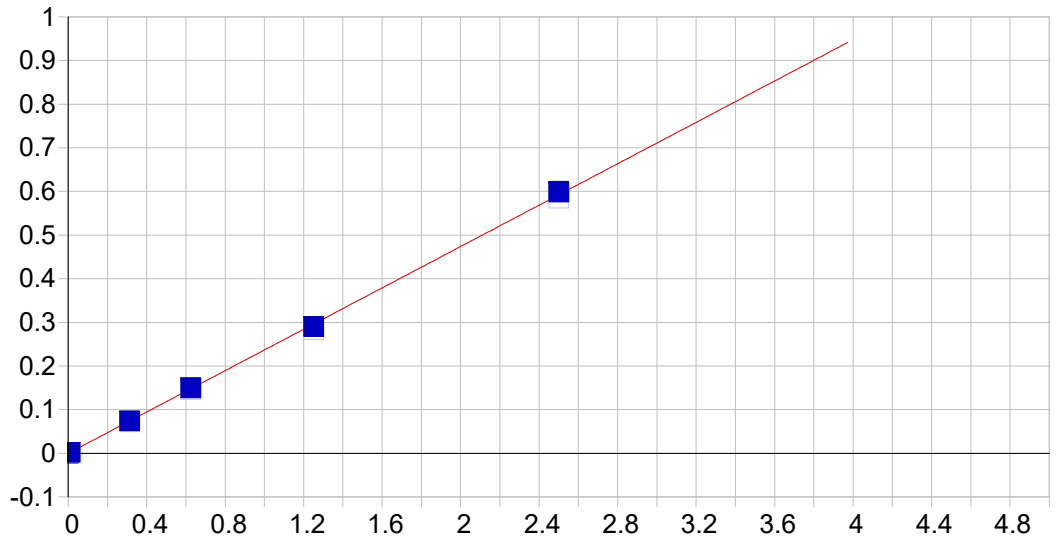
Ni 231.604 {446}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000535	Re-Slope:	1.000000
A1 (Gain):	0.558643	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999887	Status:	OK.
Std Error of Est:	0.000200		
Predicted MDL:	0.000738		
Predicted MQL:	0.002461		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00053	.000	1
S1	.04000	.03833	-.002	-4.18	.02090	.000	1
S3	1.2500	1.2832	.033	2.65	.71794	.002	1
S4	2.5000	2.5200	.020	.800	1.4105	.002	1
S5	5.0000	4.9366	-.063	-1.27	2.7638	.024	1
S2	.62500	.63687	.012	1.90	.35607	.001	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



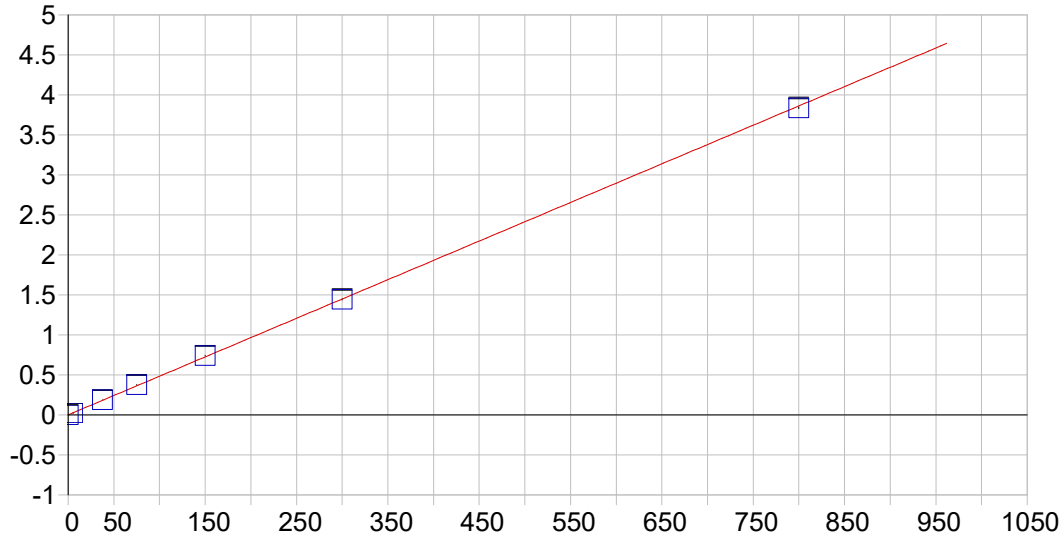
Ag 328.068 {103}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000227	Re-Slope:	1.000000
A1 (Gain):	0.237050	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999890	Status:	OK.
Std Error of Est:	0.000029		
Predicted MDL:	0.000836		
Predicted MQL:	0.002787		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00023	.000	1
S1	.01000	.00873	-.001	-12.7	.00183	.000	1
S3	.62500	.63092	.006	.947	.14589	.001	1
S4	1.2500	1.2239	-.026	-2.09	.28300	.000	1
S5	2.5000	2.5232	.023	.926	.58412	.002	1
S2	.31250	.31086	-.002	-.525	.07174	.000	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



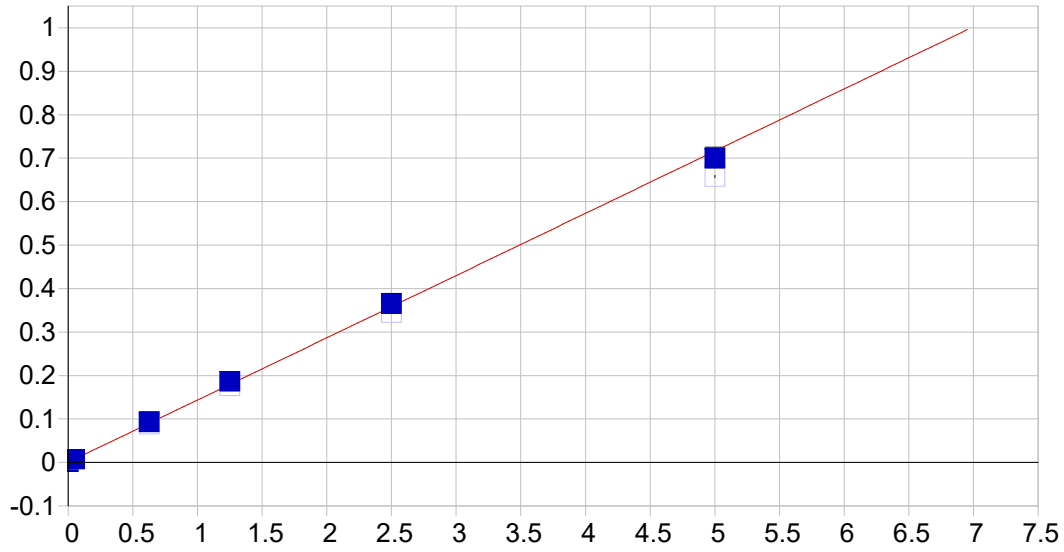
Na 818.326 { 41}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000922	Re-Slope:	1.000000
A1 (Gain):	0.004827	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999907	Status:	OK.
Std Error of Est:	0.000203		
Predicted MDL:	0.557698		
Predicted MQL:	1.858993		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00092	.001	1
S2	37.500	38.531	1.03	2.75	.18691	.001	1
S3	75.000	77.686	2.69	3.58	.37591	.005	1
S4	150.00	153.04	3.04	2.03	.73964	.005	1
S5	300.00	298.87	-1.13	-.377	1.4435	.007	1
S1	5.0000	4.6259	-.374	-7.48	.02325	.000	1
S6	800.00	794.74	-5.26	-.657	3.8371	.010	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



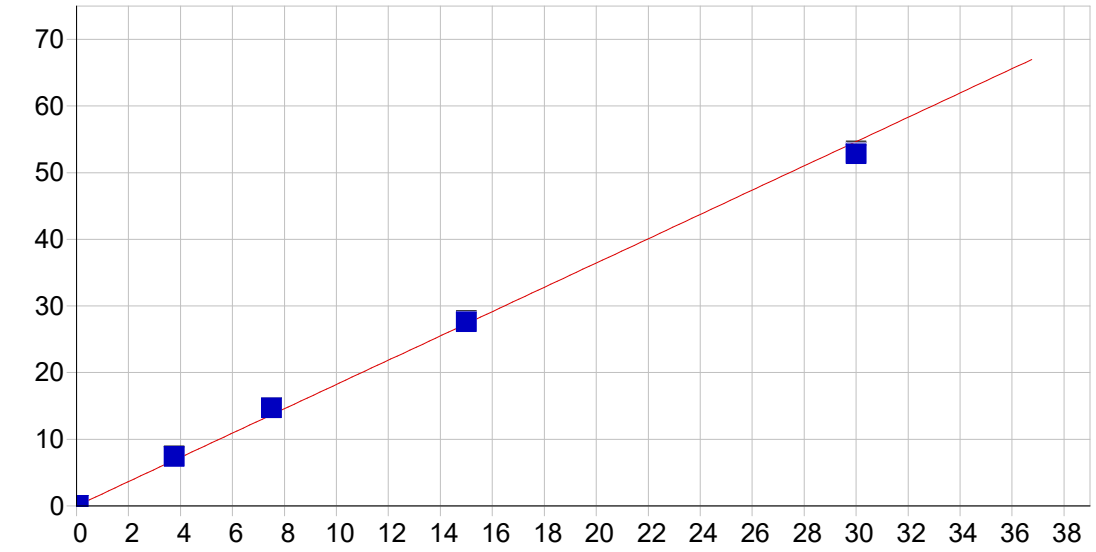
V 292.402 {115}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000497	Re-Slope:	1.000000
A1 (Gain):	0.143155	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999632	Status:	OK.
Std Error of Est:	0.000097		
Predicted MDL:	0.004880		
Predicted MQL:	0.016267		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00050	.001	1
S1	.05000	.04803	-.002	-3.95	.00736	.000	1
S3	1.2500	1.2977	.048	3.81	.17580	.000	1
S4	2.5000	2.5498	.050	1.99	.34458	.001	1
S5	5.0000	4.8850	-.115	-2.30	.65795	.003	1
S2	.62500	.64467	.020	3.15	.08755	.001	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



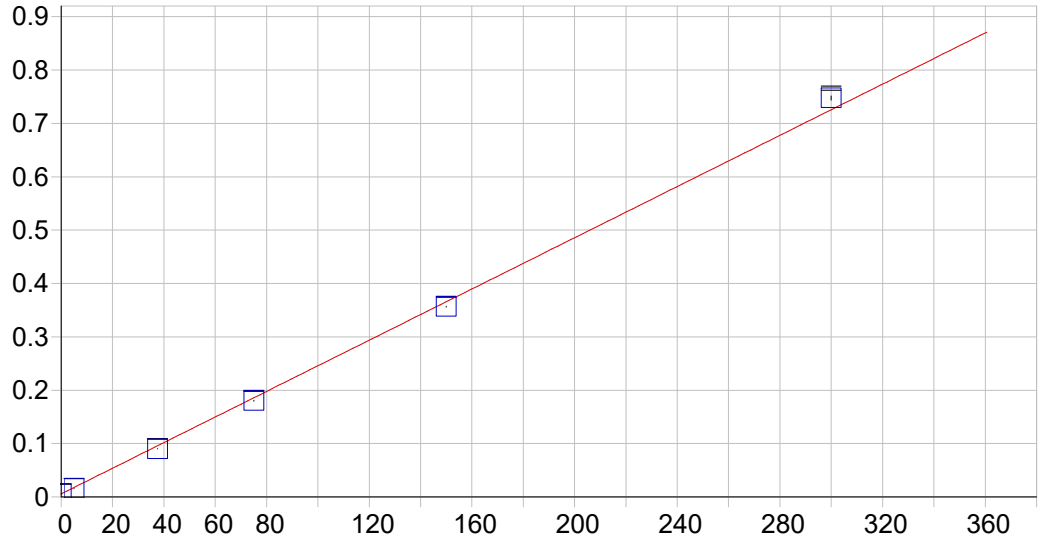
Zn 213.856 {158}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000866	Re-Slope:	1.000000
A1 (Gain):	1.822127	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999081	Status:	OK.
Std Error of Est:	0.005582		
Predicted MDL:	0.000533		
Predicted MQL:	0.001777		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00084	.000	1
S1	.06000	.06473	.005	7.89	.11946	.000	1
S3	7.5000	8.0607	.561	7.48	14.740	.010	1
S4	15.000	15.138	.138	.923	27.688	.115	1
S5	30.000	28.982	-1.02	-3.39	53.016	.229	1
S2	3.7500	4.0640	.314	8.37	7.4317	.043	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



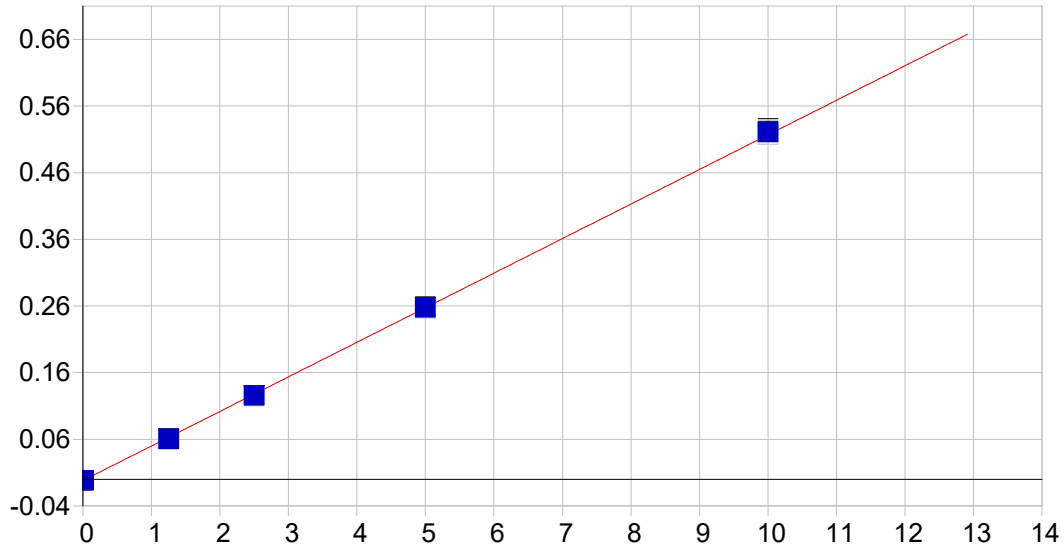
K 769.896 { 44}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.005786	Re-Slope:	1.000000
A1 (Gain):	0.002399	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999377	Status:	OK.
Std Error of Est:	0.000175		
Predicted MDL:	0.143052		
Predicted MQL:	0.476840		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00121	.001	.000	.00579	.000	1
S2	37.500	35.161	-2.34	-6.24	.09016	.000	1
S3	75.000	72.727	-2.27	-3.03	.18029	.001	1
S4	150.00	146.23	-3.77	-2.51	.35667	.001	1
S5	300.00	309.15	9.15	3.05	.74759	.004	1
S1	5.0000	4.2289	-.771	-15.4	.01593	.000	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



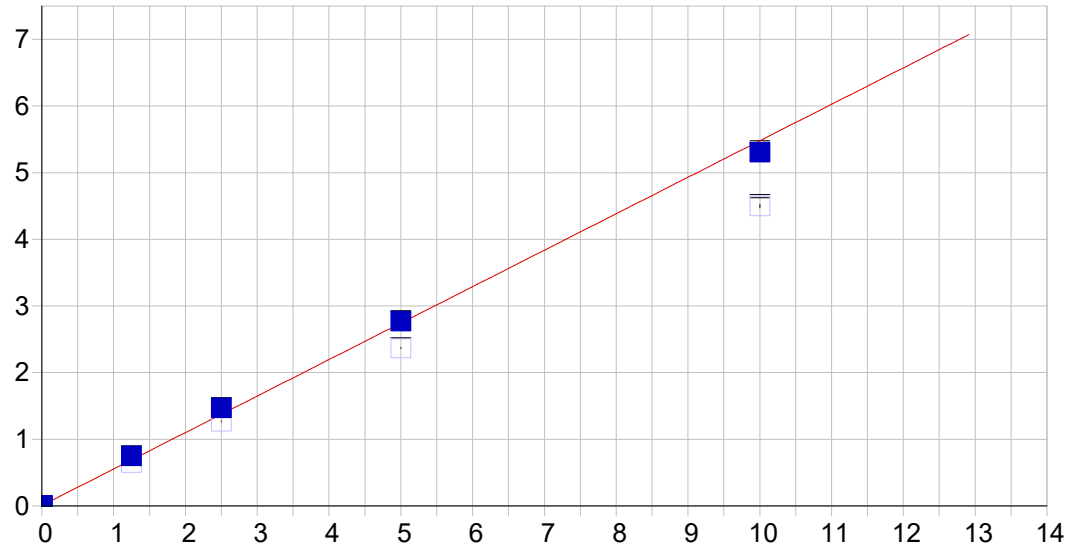
P 177.495 {490}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.002025	Re-Slope:	1.000000
A1 (Gain):	0.051874	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999904	Status:	OK.
Std Error of Est:	0.000012		
Predicted MDL:	0.003195		
Predicted MQL:	0.010649		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00203	.000	1
S1	.01000	.00868	-.001	-13.2	-.00158	.000	1
S3	2.5000	2.4593	-.041	-1.63	.12462	.000	1
S4	5.0000	5.0113	.011	.227	.25608	.001	1
S5	10.000	10.081	.081	.811	.51722	.005	1
S2	1.2500	1.1996	-.050	-4.03	.05974	.001	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



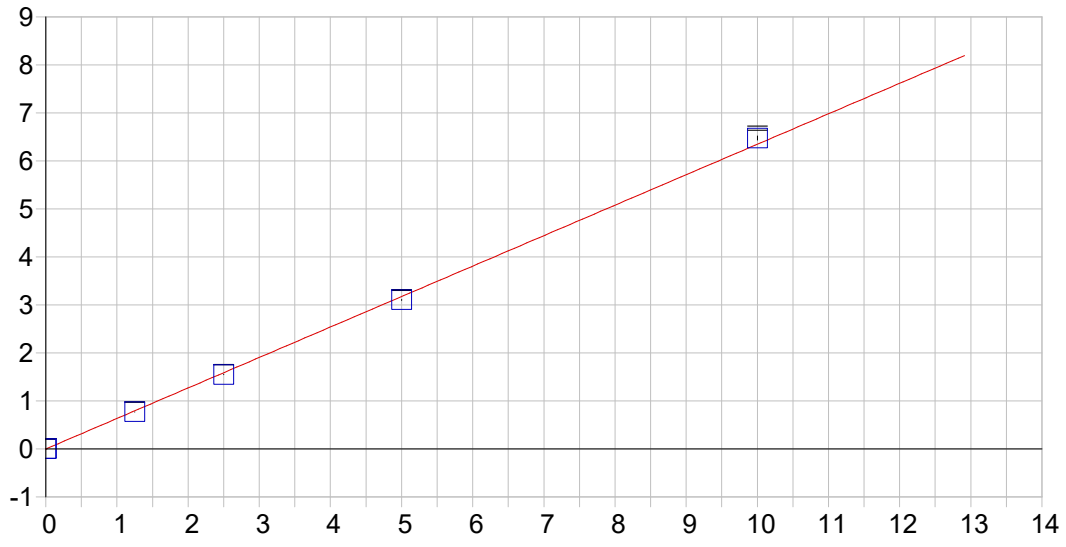
B 249.678 {135}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.006292	Re-Slope:	1.000000
A1 (Gain):	0.547242	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998287	Status:	OK.
Std Error of Est:	0.000459		
Predicted MDL:	0.001437		
Predicted MQL:	0.004790		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00630	.000	1
S1	.01000	-.00227	-.012	-123.	.00477	.001	1
S3	2.5000	2.6734	.173	6.93	1.2680	.005	1
S4	5.0000	5.0518	.052	1.04	2.3683	.008	1
S5	10.000	9.6817	-.318	-3.18	4.4995	.023	1
S2	1.2500	1.3568	.107	8.54	.64816	.002	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



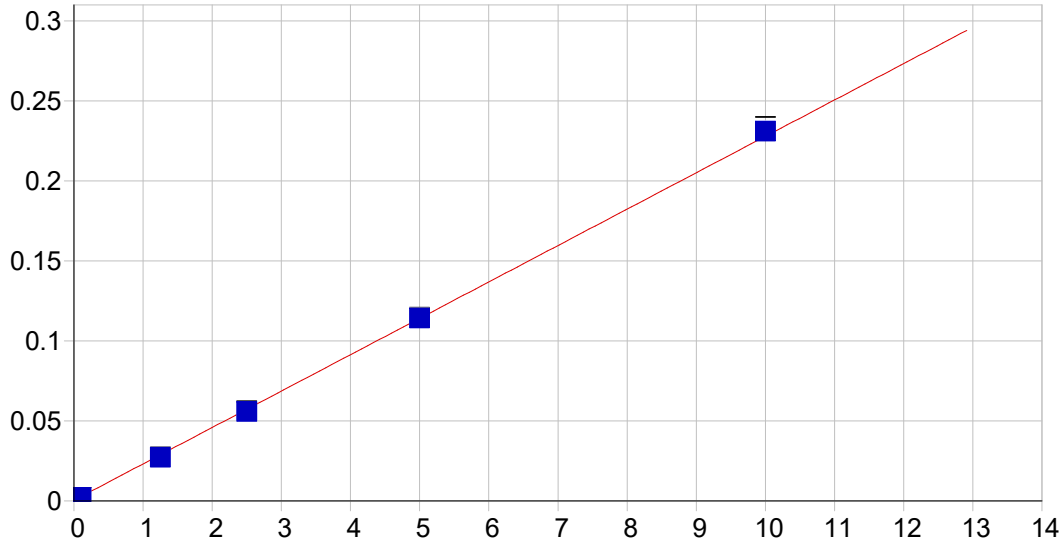
Mo 202.030 {467}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000050	Re-Slope:	1.000000
A1 (Gain):	0.634672	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999763	Status:	OK.
Std Error of Est:	0.000232		
Predicted MDL:	0.000581		
Predicted MQL:	0.001938		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00005	.000	1
S1	.01000	.00904	-.001	-9.65	.00568	.000	1
S3	2.5000	2.4394	-.061	-2.42	1.5482	.004	1
S4	5.0000	4.8929	-.107	-2.14	3.1053	.009	1
S5	10.000	10.203	.203	2.03	6.4754	.044	1
S2	1.2500	1.2158	-.034	-2.74	.77157	.003	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



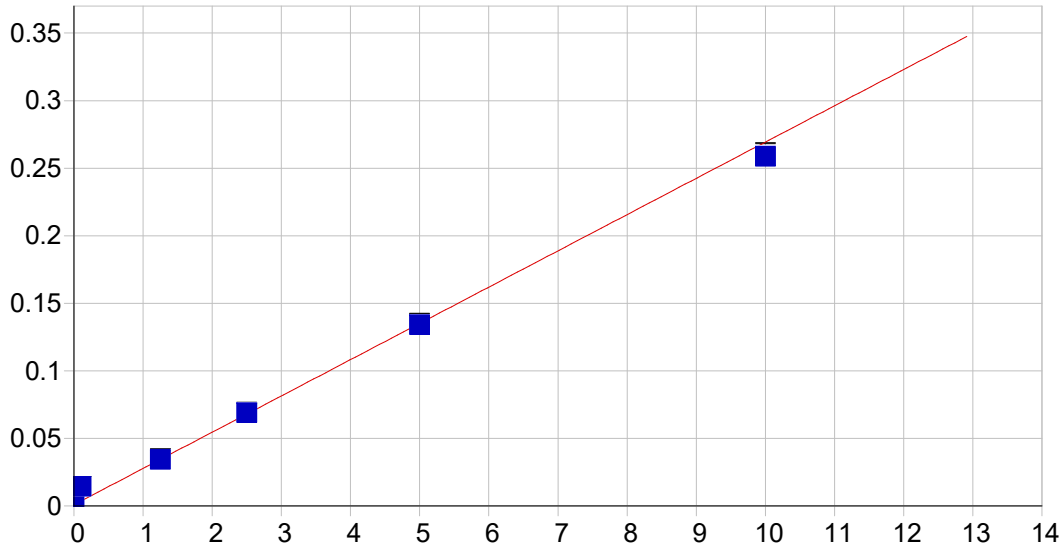
S 182.034 {485}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000406	Re-Slope:	1.000000
A1 (Gain):	0.022742	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999735	Status:	OK.
Std Error of Est:	0.000028		
Predicted MDL:	0.007247		
Predicted MQL:	0.024157		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00041	.000	1
S1	.10000	.08434	-.016	-15.7	.00232	.000	1
S3	2.5000	2.4346	-.065	-2.61	.05585	.000	1
S4	5.0000	5.0072	.007	.143	.11443	.000	1
S5	10.000	10.143	.143	1.43	.23137	.003	1
S2	1.2500	1.1810	-.069	-5.52	.02730	.000	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



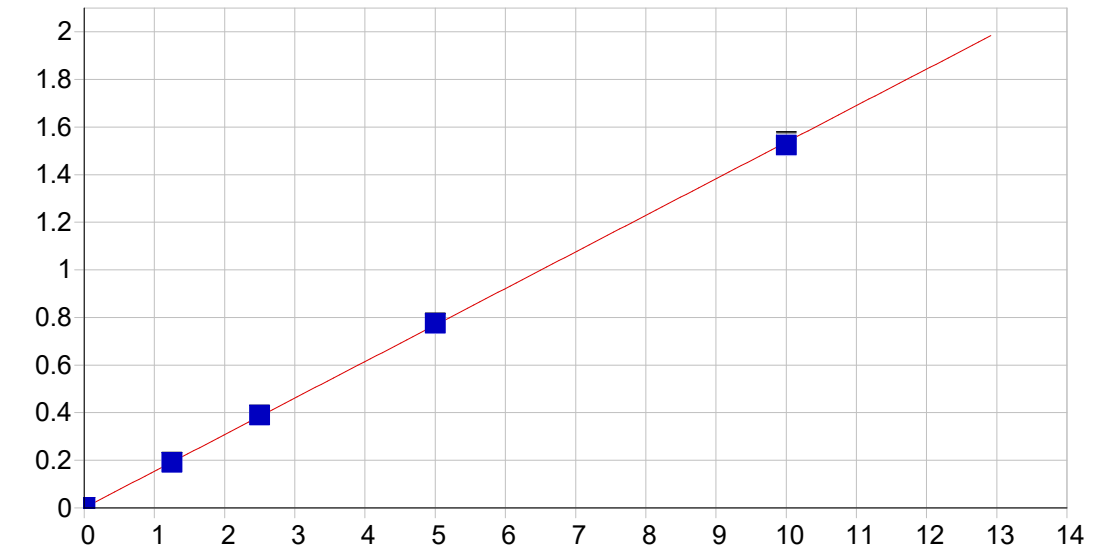
Si 251.611 {134}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000883	Re-Slope:	1.000000
A1 (Gain):	0.026844	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.958113	Status:	OK.
Std Error of Est:	0.000428		
Predicted MDL:	0.016120		
Predicted MQL:	0.053733		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00041	-.000	.000	.00087	.000	1
S1	.10000	.50933	.409	409.	.01456	.000	1
S3	2.5000	2.5348	.035	1.39	.06913	.000	1
S4	5.0000	4.9597	-.040	-.806	.13442	.001	1
S5	10.000	9.5993	-.401	-4.01	.25937	.002	1
S2	1.2500	1.2479	-.002	-.167	.03448	.001	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



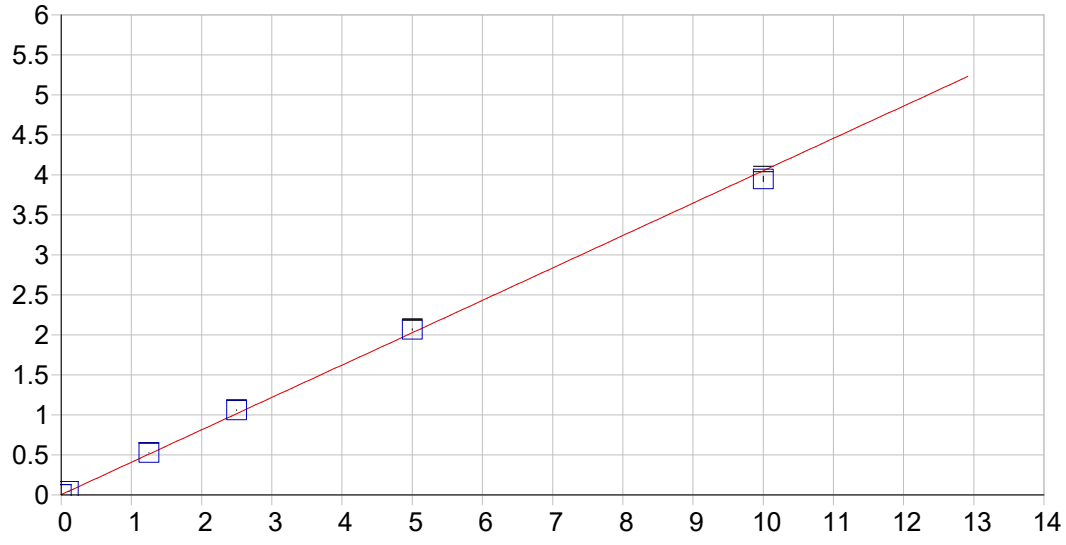
Sn 189.989 {478}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000470	Re-Slope:	1.000000
A1 (Gain):	0.153582	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999950	Status:	OK.
Std Error of Est:	0.000021		
Predicted MDL:	0.001258		
Predicted MQL:	0.004192		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00047	.000	1
S1	.00700	.00548	-.002	-21.8	.00126	.000	1
S3	2.5000	2.5343	.034	1.37	.38850	.001	1
S4	5.0000	5.0487	.049	.973	.77347	.001	1
S5	10.000	9.9269	-.073	-.731	1.5203	.014	1
S2	1.2500	1.2417	-.008	-.667	.19057	.001	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



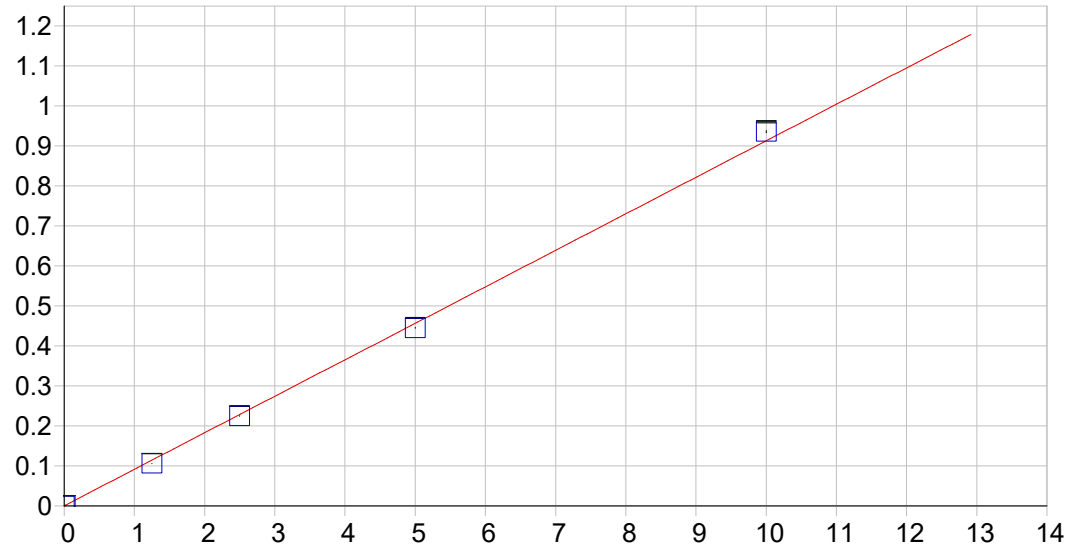
Ti 336.121 {100}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.003472	Re-Slope:	1.000000
A1 (Gain):	0.404782	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999611	Status:	OK.
Std Error of Est:	0.000600		
Predicted MDL:	0.002361		
Predicted MQL:	0.007871		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00347	.001	1
S1	.10000	.09909	-.001	-.911	.04358	.001	1
S3	2.5000	2.6108	.111	4.43	1.0603	.003	1
S4	5.0000	5.0992	.099	1.98	2.0675	.007	1
S5	10.000	9.7482	-.252	-2.52	3.9494	.035	1
S2	1.2500	1.2927	.043	3.41	.52672	.003	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



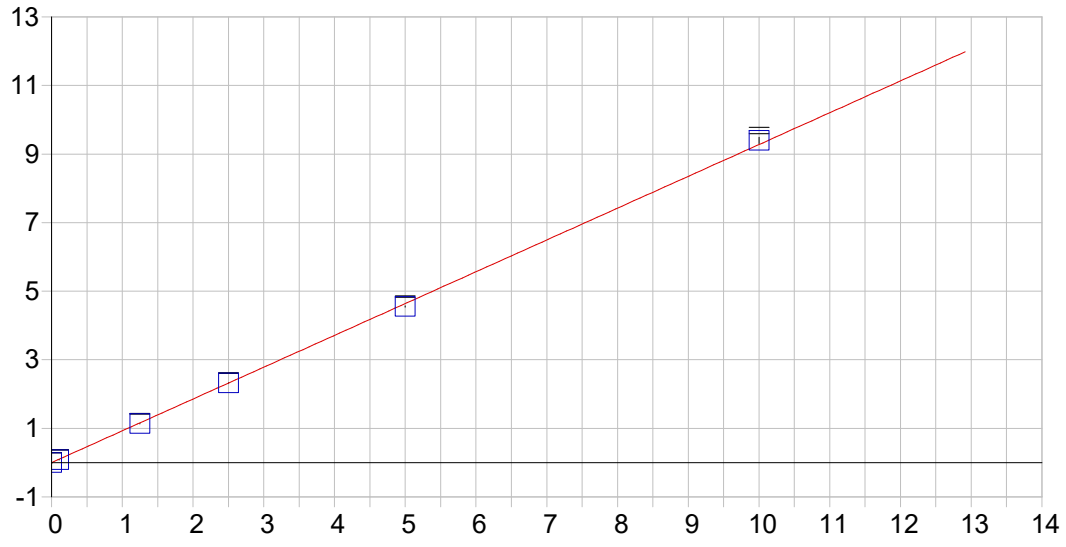
Li 670.784 { 50}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000342	Re-Slope:	1.000000
A1 (Gain):	0.091263	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999557	Status:	OK.
Std Error of Est:	0.000056		
Predicted MDL:	0.003733		
Predicted MQL:	0.012443		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00034	.000	1
S5	10.000	10.255	.255	2.55	.93624	.003	1
S4	5.0000	4.8751	-.125	-2.50	.44526	.001	1
S3	2.5000	2.4574	-.043	-1.70	.22461	.001	1
S1	.01500	.01580	.001	5.33	.00178	.000	1
S2	1.2500	1.1617	-.088	-7.07	.10636	.000	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



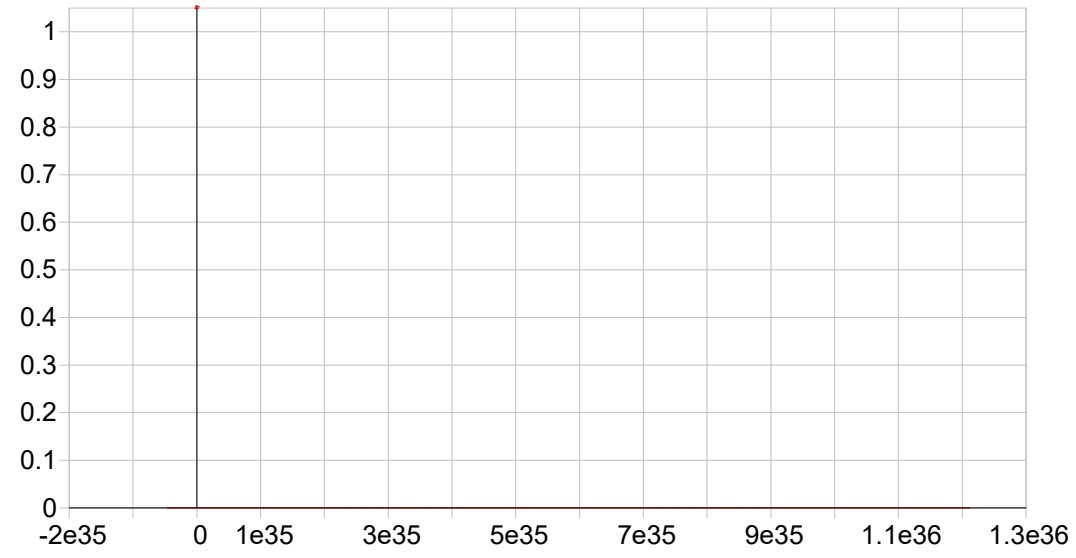
Sr 407.771 { 83}

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000029	Re-Slope:	1.000000
A1 (Gain):	0.927765	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999861	Status:	OK.
Std Error of Est:	0.000823		
Predicted MDL:	0.000210		
Predicted MQL:	0.000698		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00004	.000	1
S1	.10000	.08931	-.011	-10.7	.08289	.000	1
S3	2.5000	2.4998	-.000	-.009	2.3192	.009	1
S4	5.0000	4.9044	-.096	-1.91	4.5502	.019	1
S5	10.000	10.132	.132	1.32	9.4004	.094	1
S2	1.2500	1.2242	-.026	-2.06	1.1358	.006	1

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

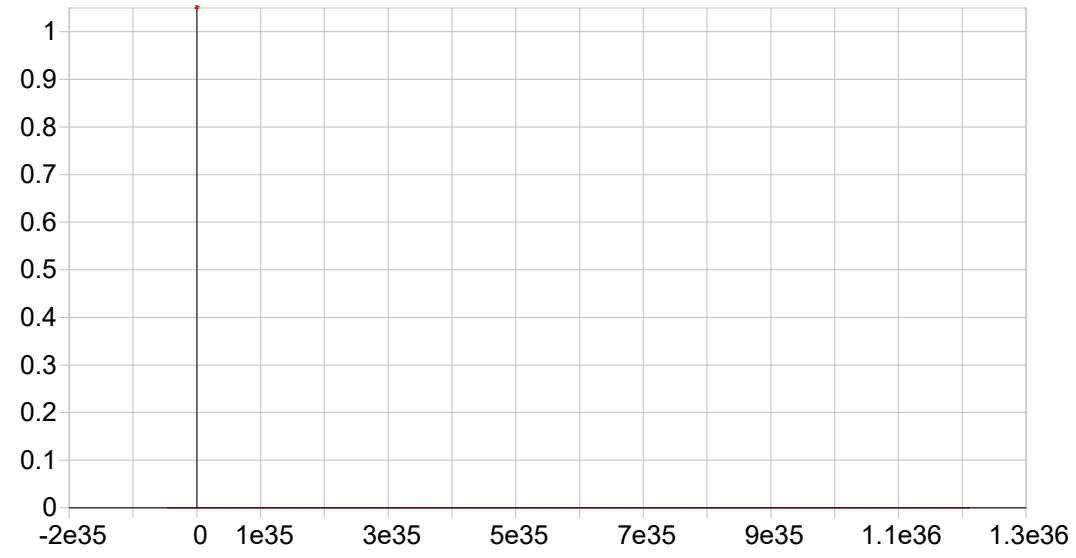


Y 224.306 {450}*

Date of Fit:	1/13/2025 13:15:03	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	0.000000		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Y 360.073 { 94}*

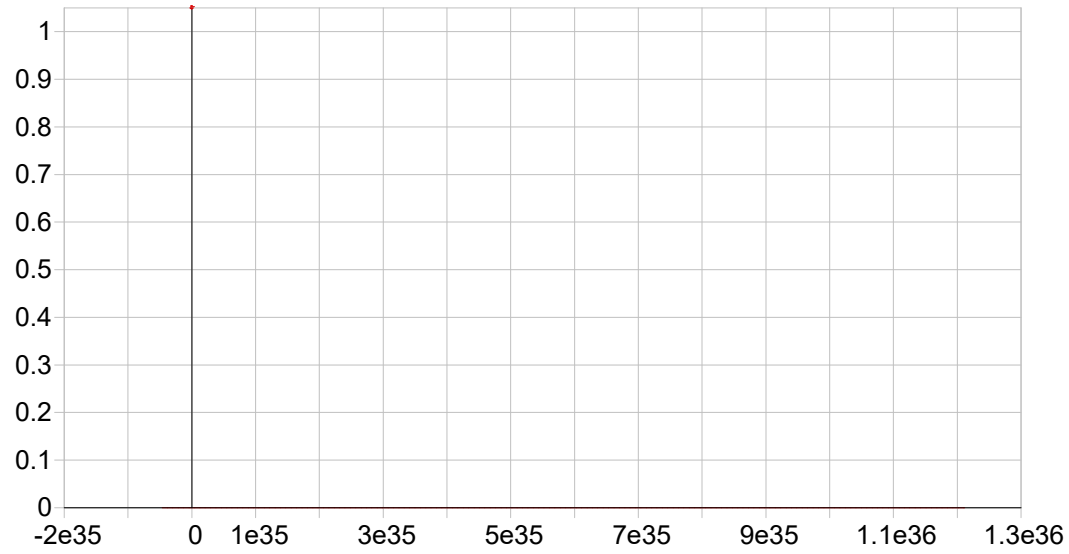
Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.000000			Status:	Warning	Zero Gain	
Std Error of Est:	0.000000						
Predicted MDL:	n/a						
Predicted MQL:	n/a						

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

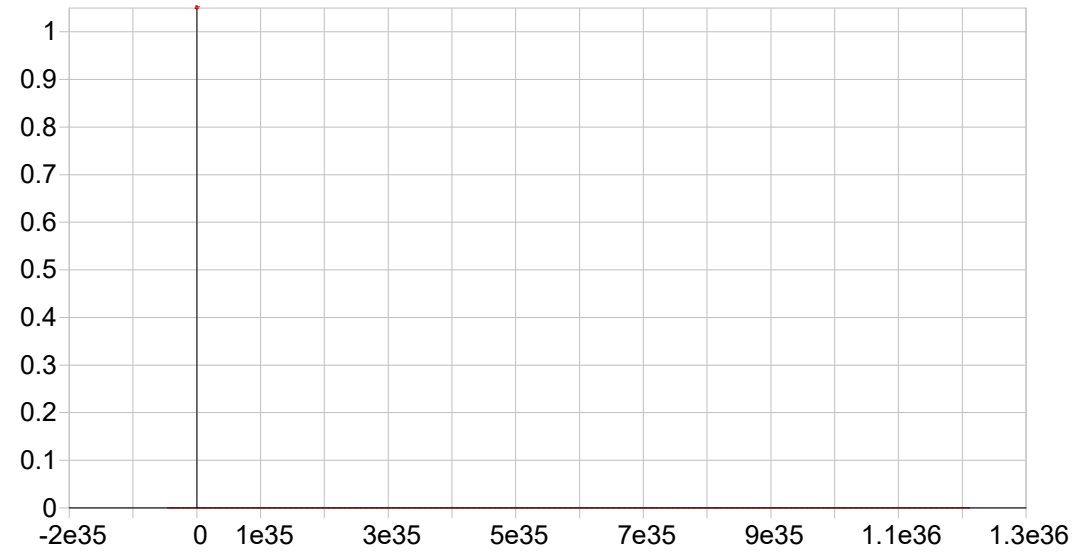


Y 371.030 { 91}*

Date of Fit:	<not fit>		Type of Fit:	Linear	Weighting:	1/Conc	
A0 (Offset):		0.000000		Re-Slope:	1.000000		
A1 (Gain):		0.000000		Y-int:	0.000000		
A2 (Curvature):		0.000000					
n (Exponent):		1.000000					
Correlation:		0.000000		Status:	Warning	Zero Gain	
Std Error of Est:		0.000000					
Predicted MDL:		n/a					
Predicted MQL:		n/a					

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

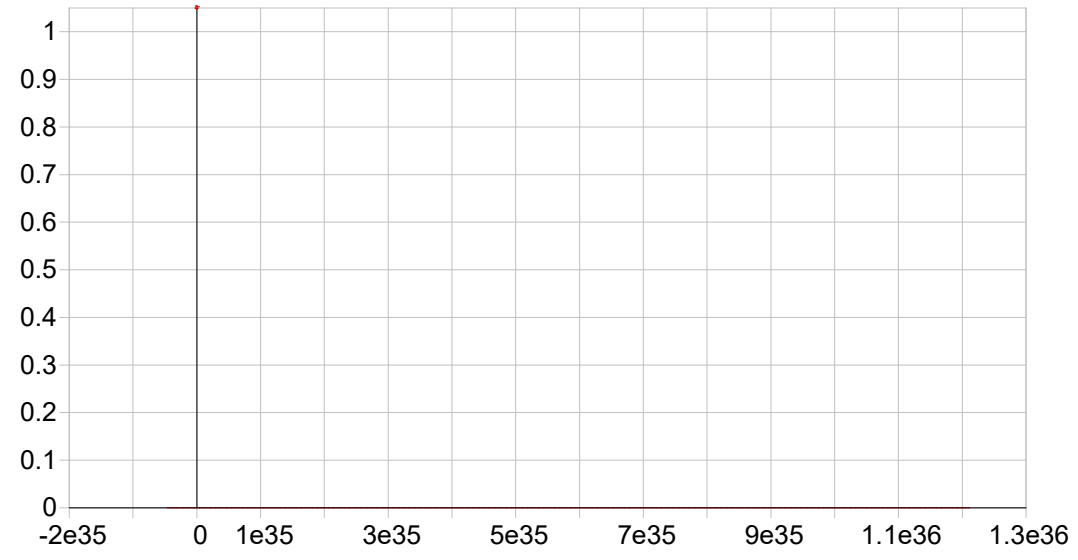
Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4



Y 224.306 {150}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



In 230.606 {446}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

A2 (Curvature):		0.000000					
n (Exponent):		1.000000					
Correlation:		0.000000		Status:	Warning	Zero Gain	
Std Error of Est:		0.000000					
Predicted MDL:		n/a					
Predicted MQL:		n/a					
Std. Name	**Stated Conc.**	**Found Conc.**	**Difference**	**% Diff.**	**(S)IR**	**Std Dev**	**Emphasis**

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: S0 Acquired: 1/13/2025 10:14:58 Type: Cal
Method: EPA SFAM01.0(v34) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: So Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00012**	**.00045**	**-.00005**	**-.00051**	**.00050**	**-.00014**	**.01229**	**.00030**
Stddev	.00017	.00017	.00050	.00042	.00024	.00006	.00026	.00073
%RSD	140.64	38.688	1036.0	83.053	46.915	45.348	2.1439	243.13
#1	-.00029	.00064	.00046	-.00047	.00064	-.00007	.01255	.00016
#2	-.00013	.00032	-.00007	-.00095	.00023	-.00018	.01202	-.00035
#3	.00006	.00038	-.00054	-.00011	.00065	-.00017	.01232	.00109

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00018**	**-.00007**	**-.00008**	**-.00011**	**.00057**	**.00004**	**.00001**	**-.00007**
Stddev	.00031	.00012	.00012	.00029	.00089	.00002	.00005	.00005
%RSD	168.11	162.30	151.89	278.14	155.51	49.846	848.02	77.186
#1	.00051	.00004	-.00000	-.00010	.00126	.00005	.00005	-.00004
#2	-.00011	-.00019	-.00022	.00019	-.00044	.00002	-.00005	-.00013
#3	.00015	-.00006	-.00002	-.00040	.00090	.00006	.00002	-.00003

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00053**	**-.00023**	**.00057**	**.00050**	**.00084**	**.00579**	**-.00203**	**.00630**
Stddev	.00049	.00008	.00022	.00063	.00029	.00016	.00004	.00037
%RSD	91.894	35.767	39.507	126.92	34.303	2.6907	1.9259	5.8065
#1	-.00030	-.00023	.00074	.00115	.00117	.00561	-.00198	.00631
#2	-.00110	-.00014	.00064	-.00011	.00061	.00590	-.00205	.00666
#3	-.00021	-.00031	.00031	.00045	.00075	.00586	-.00205	.00593

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00005**	**.00041**	**.00087**	**.00047**	**.00347**	**.00034**	**.00004**
Stddev	.00005	.00003	.00031	.00021	.00083	.00028	.00018
%RSD	104.23	7.9519	35.184	45.211	23.873	82.376	446.45
#1	-.00009	.00038	.00119	.00029	.00293	.00004	-.00011
#2	.00001	.00044	.00086	.00070	.00442	.00060	.00024
#3	-.00007	.00040	.00057	.00042	.00305	.00038	-.00001

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: S0 Acquired: 1/13/2025 10:14:58 Type: Cal
Method: EPA SFAM01.0(v34) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: So Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2198.5	50466.	5198.7	2398.0	3186.5
Stddev	2.9	154.	10.6	11.8	3.1
%RSD	.13009	.30546	.20300	.49206	.09698
#1	2198.1	50564.	5200.1	2411.5	3184.3
#2	2195.9	50288.	5187.5	2390.3	3185.2
#3	2201.6	50546.	5208.4	2392.0	3190.0

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: S1 Acquired: 1/13/2025 10:19:13 Type: Cal
Method: EPA SFAM01.0(v34) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00063**	**.00260**	**.00162**	**.00041**	**.00643**	**.00113**	**.05899**	**.02872**
Stddev	.00035	.00002	.00023	.00029	.00045	.00006	.00040	.00099
%RSD	55.201	.93659	14.282	71.630	6.9316	5.1696	.68295	3.4471
#1	.00091	.00261	.00185	.00064	.00617	.00107	.05944	.02876
#2	.00024	.00257	.00139	.00008	.00618	.00119	.05886	.02771
#3	.00074	.00262	.00162	.00052	.00694	.00113	.05866	.02969

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.01374**	**.02737**	**.00152**	**.03595**	**.00509**	**.00035**	**.00075**	**.00957**
Stddev	.00009	.00018	.00013	.00040	.00041	.00004	.00007	.00005
%RSD	.66629	.67209	8.7373	1.1137	8.0182	12.339	9.3213	.51033
#1	.01379	.02741	.00139	.03549	.00505	.00033	.00075	.00954
#2	.01363	.02753	.00152	.03623	.00470	.00040	.00067	.00962
#3	.01379	.02717	.00165	.03614	.00551	.00032	.00081	.00954

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.02090**	**.00183**	**.02674**	**.00736**	**.11946**	**.01593**	**-.00158**	**.00477**
Stddev	.00036	.00013	.00091	.00003	.00036	.00027	.00007	.00118
%RSD	1.7365	7.0374	3.4134	.46174	.29920	1.6755	4.6752	24.688
#1	.02049	.00194	.02674	.00737	.11975	.01613	-.00165	.00433
#2	.02118	.00169	.02765	.00732	.11906	.01604	-.00158	.00610
#3	.02104	.00186	.02583	.00739	.11958	.01563	-.00150	.00387

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00568**	**.00232**	**.01456**	**.00126**	**.04358**	**.00178**	**.08289**
Stddev	.00004	.00007	.00013	.00007	.00053	.00009	.00045
%RSD	.72231	3.1975	.91482	5.8024	1.2269	5.1348	.53920
#1	.00573	.00236	.01442	.00127	.04317	.00168	.08341
#2	.00565	.00237	.01469	.00119	.04419	.00183	.08264
#3	.00567	.00224	.01457	.00133	.04339	.00184	.08262

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: S1 Acquired: 1/13/2025 10:19:13 Type: Cal
Method: EPA SFAM01.0(v34) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S01 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2209.5	49587.	5303.3	2393.4	3160.2
Stddev	3.9	93.	41.5	5.7	6.0
%RSD	.17750	.18746	.78255	.23970	.18966
#1	2212.6	49689.	5333.8	2393.0	3167.0
#2	2205.1	49506.	5320.0	2387.9	3158.2
#3	2210.8	49568.	5256.0	2399.3	3155.5

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: S2 Acquired: 1/13/2025 10:23:27 Type: Cal
Method: EPA SFAM01.0(v34) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: So2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.06842	.12078	1.3808	.03167	.13730	.28121	.62763	.74171
Stddev	.00011	.00159	.0042	.00022	.00063	.00090	.00025	.00315
%RSD	.15513	1.3205	.30709	.68616	.45766	.32002	.04058	.42440
#1	.06852	.11901	1.3761	.03177	.13669	.28084	.62752	.74389
#2	.06831	.12210	1.3821	.03143	.13725	.28224	.62792	.73810
#3	.06843	.12122	1.3842	.03183	.13795	.28056	.62745	.74314

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.8548	.36333	.63946	.49461	.68766	.13426	.20108	.13228
Stddev	.0050	.00089	.00124	.00074	.00063	.00066	.00097	.00074
%RSD	.26912	.24515	.19334	.14901	.09212	.48931	.48285	.55968
#1	1.8498	.36244	.64030	.49379	.68830	.13394	.20019	.13148
#2	1.8549	.36422	.64003	.49484	.68763	.13502	.20212	.13294
#3	1.8598	.36332	.63804	.49521	.68704	.13383	.20092	.13242

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.35607	.07174	.22095	.08755	7.4317	.09016	.05974	.64816
Stddev	.00056	.00037	.00064	.00086	.0428	.00031	.00056	.00181
%RSD	.15671	.51080	.28966	.97659	.57642	.33893	.94397	.27964
#1	.35560	.07165	.22121	.08748	7.4256	.08990	.05939	.64806
#2	.35591	.07214	.22143	.08673	7.4772	.09049	.05944	.64641
#3	.35669	.07143	.22023	.08844	7.3922	.09007	.06039	.65003

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.77157	.02730	.03448	.19057	.52672	.10636	1.1358
Stddev	.00331	.00012	.00050	.00065	.00279	.00036	.0065
%RSD	.42952	.42793	1.4629	.34350	.53000	.33943	.57115
#1	.76907	.02743	.03476	.18992	.52888	.10669	1.1319
#2	.77030	.02726	.03479	.19056	.52357	.10597	1.1433
#3	.77533	.02721	.03390	.19123	.52771	.10642	1.1323

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: S2 Acquired: 1/13/2025 10:23:27 Type: Cal
Method: EPA SFAM01.0(v34) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: So2 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2103.1	47440.	5234.7	2347.6	2834.7
Stddev	3.5	47.	26.2	7.1	2.4
%RSD	.16492	.10008	.50060	.30336	.08491
#1	2105.7	47494.	5229.6	2352.8	2837.5
#2	2104.3	47420.	5263.0	2339.5	2833.7
#3	2099.1	47406.	5211.4	2350.5	2833.0

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: S3 Acquired: 1/13/2025 10:27:24 Type: Cal
Method: EPA SFAM01.0(v34) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.13916	.24028	2.7781	.06499	.27732	.58618	1.3035	1.4642
Stddev	.00025	.00165	.0071	.00058	.00082	.00190	.0020	.0044
%RSD	.18079	.68564	.25442	.89370	.29615	.32480	.15365	.30201
#1	.13914	.23978	2.7758	.06565	.27825	.58443	1.3035	1.4599
#2	.13892	.23894	2.7725	.06475	.27667	.58590	1.3014	1.4687
#3	.13942	.24212	2.7861	.06456	.27706	.58821	1.3054	1.4640

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.7451	.75220	1.2767	1.0003	1.3715	.27737	.41740	.27631
Stddev	.0070	.00121	.0026	.0021	.0024	.00066	.00181	.00102
%RSD	.18628	.16079	.20531	.21299	.17449	.23615	.43331	.36757
#1	3.7421	.75208	1.2769	.99893	1.3688	.27691	.41571	.27530
#2	3.7401	.75106	1.2740	.99911	1.3723	.27707	.41717	.27631
#3	3.7530	.75347	1.2793	1.0027	1.3734	.27812	.41931	.27733

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.71794	.14589	.44533	.17580	14.740	.18029	.12462	1.2680
Stddev	.00189	.00065	.00483	.00005	.010	.00092	.00033	.0047
%RSD	.26339	.44517	1.0840	.02725	.06462	.51073	.26726	.36863
#1	.71753	.14587	.44014	.17584	14.732	.17940	.12452	1.2653
#2	.71628	.14525	.44618	.17575	14.738	.18023	.12435	1.2734
#3	.72000	.14655	.44968	.17581	14.750	.18124	.12499	1.2654

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.5482	.05585	.06913	.38850	1.0603	.22461	2.3192
Stddev	.0040	.00038	.00035	.00071	.0029	.00089	.0086
%RSD	.26070	.67655	.50166	.18387	.26869	.39648	.36949
#1	1.5477	.05591	.06888	.38805	1.0574	.22426	2.3126
#2	1.5444	.05619	.06898	.38812	1.0631	.22395	2.3162
#3	1.5524	.05544	.06953	.38932	1.0604	.22562	2.3289

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: S3 Acquired: 1/13/2025 10:27:24 Type: Cal
Method: EPA SFAM01.0(v34) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S03 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2035.3	45963.	5255.6	2310.9	2704.8
Stddev	.9	261.	14.9	7.7	2.1
%RSD	.04605	.56831	.28315	.33531	.07919
#1	2036.1	45847.	5245.9	2309.1	2707.2
#2	2035.4	46262.	5272.7	2319.4	2703.2
#3	2034.2	45779.	5248.1	2304.2	2703.9

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: S4 Acquired: 1/13/2025 10:31:19 Type: Cal
Method: EPA SFAM01.0(v34) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.28551	.46357	5.5182	.13116	.56546	1.1620	2.5760	2.7490
Stddev	.00083	.00280	.0099	.00045	.00106	.0029	.0072	.0121
%RSD	.29220	.60490	.17926	.34340	.18834	.25261	.27785	.44205
#1	.28505	.46352	5.5103	.13166	.56442	1.1652	2.5824	2.7396
#2	.28500	.46640	5.5149	.13078	.56540	1.1594	2.5683	2.7447
#3	.28647	.46079	5.5293	.13104	.56655	1.1614	2.5773	2.7628

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.3823	1.4747	2.4570	1.9728	2.6758	.54095	.81804	.54473
Stddev	.0151	.0035	.0031	.0045	.0068	.00158	.00164	.00214
%RSD	.20399	.23848	.12454	.22844	.25539	.29204	.20043	.39296
#1	7.3670	1.4783	2.4584	1.9696	2.6742	.54261	.81962	.54677
#2	7.3829	1.4713	2.4591	1.9710	2.6699	.53947	.81635	.54250
#3	7.3971	1.4745	2.4535	1.9780	2.6833	.54077	.81815	.54492

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.4105	.28300	.87719	.34458	27.688	.35667	.25608	2.3683
Stddev	.0022	.00020	.00449	.00074	.115	.00092	.00092	.0084
%RSD	.15402	.07159	.51221	.21377	.41518	.25833	.36022	.35388
#1	1.4097	.28310	.87671	.34521	27.788	.35772	.25540	2.3592
#2	1.4089	.28313	.87295	.34377	27.562	.35601	.25572	2.3702
#3	1.4130	.28277	.88190	.34475	27.714	.35629	.25713	2.3756

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.1053	.11443	.13442	.77347	2.0675	.44526	4.5502
Stddev	.0090	.00036	.00081	.00143	.0075	.00089	.0191
%RSD	.29127	.31813	.60068	.18464	.36196	.19908	.41888
#1	3.0996	.11409	.13466	.77236	2.0676	.44602	4.5497
#2	3.1006	.11438	.13353	.77297	2.0600	.44429	4.5313
#3	3.1158	.11481	.13509	.77508	2.0750	.44546	4.5695

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: S4 Acquired: 1/13/2025 10:31:19 Type: Cal
Method: EPA SFAM01.0(v34) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S04 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1898.5	45531.	5240.0	2256.5	2537.5
Stddev	2.1	130.	4.6	9.9	5.9
%RSD	.11304	.28510	.08739	.43938	.23288
#1	1897.9	45435.	5244.7	2247.4	2535.0
#2	1896.7	45479.	5235.5	2267.1	2533.2
#3	1900.9	45679.	5239.8	2255.0	2544.2

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: S5 Acquired: 1/13/2025 10:35:19 Type: Cal
Method: EPA SFAM01.0(v34) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1:S05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.60351	.85606	10.950	.27586	1.1999	2.4077	5.3020	5.3392
Stddev	.00488	.00680	.089	.00341	.0074	.0113	.0582	.0247
%RSD	.80802	.79377	.80988	1.2369	.61495	.46930	1.0982	.46306
#1	.59932	.85477	10.871	.27251	1.1928	2.3948	5.2875	5.3604
#2	.60235	.85000	10.933	.27574	1.1994	2.4125	5.2523	5.3121
#3	.60886	.86341	11.046	.27933	1.2076	2.4158	5.3660	5.3452

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	14.391	3.0016	4.7934	3.8894	5.1472	1.0878	1.6564	1.1165
Stddev	.108	.0083	.0151	.0328	.0133	.0047	.0083	.0040
%RSD	.74973	.27552	.31497	.84363	.25915	.43210	.49953	.35363
#1	14.306	2.9921	4.7805	3.8639	5.1619	1.0825	1.6471	1.1120
#2	14.354	3.0055	4.7897	3.8779	5.1357	1.0915	1.6630	1.1194
#3	14.512	3.0073	4.8100	3.9264	5.1441	1.0893	1.6592	1.1181

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.7638	.58412	1.7145	.65795	53.016	.74759	.51722	4.4995
Stddev	.0240	.00247	.0106	.00276	.229	.00370	.00509	.0229
%RSD	.86841	.42316	.61915	.42020	.43259	.49446	.98410	.50890
#1	2.7448	.58145	1.7251	.66112	52.753	.74333	.51332	4.5203
#2	2.7558	.58457	1.7038	.65601	53.119	.74943	.51536	4.4750
#3	2.7908	.58633	1.7146	.65673	53.175	.75000	.52297	4.5034

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.4754	.23137	.25937	1.5203	3.9494	.93624	9.4004
Stddev	.0440	.00261	.00212	.0140	.0347	.00280	.0940
%RSD	.67936	1.1299	.81742	.92261	.87767	.29854	1.0004
#1	6.4362	.22944	.26167	1.5108	3.9864	.93504	9.3688
#2	6.4671	.23032	.25748	1.5137	3.9177	.93425	9.3262
#3	6.5230	.23435	.25897	1.5364	3.9439	.93944	9.5062

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: S5 Acquired: 1/13/2025 10:35:19 Type: Cal
Method: EPA SFAM01.0(v34) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S05 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1755.0	43859.	5382.9	2182.3	2447.5
Stddev	5.0	170.	49.8	11.4	9.4
%RSD	.28422	.38692	.92564	.52440	.38359
#1	1760.6	43894.	5338.4	2182.9	2455.8
#2	1753.4	44008.	5436.7	2193.4	2449.4
#3	1751.1	43674.	5373.4	2170.5	2437.3

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: S6 Acquired: 1/13/2025 10:39:36 Type: Cal
Method: EPA SFAM01.0(v34) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S06 Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3736	Fe2598	Na8183
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6.5451**	**5.1129**	**3.0149**	**4.5701**
Stddev	.0527	.0249	.0168	.0125
%RSD	.80494	.48780	.55621	.27280
#1	6.5161	5.0894	3.0330	4.5824
#2	6.6059	5.1103	3.0118	4.5704
#3	6.5134	5.1390	2.9999	4.5574

Int. Std.	Y_3600	Y_3710
Units	Cts/S	Cts/S
Avg	**40964.**	**5158.9**
Stddev	80.	23.9
%RSD	.19444	.46324
#1	41010.	5183.9
#2	41010.	5156.4
#3	40872.	5136.3

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: ICV002 Acquired: 1/13/2025 11:03:35 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV002 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.044207**	**1.016539**	**.9685725**	**1.083495**	**1.058066**	**2.579222**
Stddev	.017342	.015366	.0161161	.008472	.012026	.024889
%RSD	1.660828	1.511569	1.663906	.7819326	1.136638	.9649926
#1	1.033268	1.003517	.9560701	1.074511	1.050945	2.587775
#2	1.035149	1.012613	.9628865	1.084636	1.051302	2.598707
#3	1.064203	1.033487	.9867609	1.091339	1.071951	2.551184

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5107246**	**.5253077**	**.4847489**	**9.475998**	**.5481678**	**.4954376**
Stddev	.0020628	.0049814	.0064374	.084186	.0006274	.0071291
%RSD	.4039047	.9482776	1.327998	.8884180	.1144459	1.438955
#1	.5106888	.5252992	.4803979	9.443511	.5475738	.4906734
#2	.5128051	.5203305	.4817049	9.571587	.5488239	.4920059
#3	.5086799	.5302933	.4921438	9.412895	.5481056	.5036336

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5066694**	**9.711241**	**.5257725**	**6.126378**	**.5020484**	**.2442872**
Stddev	.0049759	.044469	.0044222	.076190	.0077278	.0004812
%RSD	.9820860	.4579075	.8410870	1.243645	1.539244	.1969907
#1	.5034086	9.673334	.5239725	6.072605	.4974083	.2445247
#2	.5042027	9.760190	.5308108	6.213567	.4977677	.2446035
#3	.5123967	9.700200	.5225341	6.092963	.5109692	.2437334

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.331369**	**.5182478**	**1.084687**	**10.79118**	F **-.000156**	F **.0369916**
Stddev	.407717	.0030551	.002367	.16855	.001146	.0010396
%RSD	4.369313	.5895127	.2182172	1.561927	732.7463	2.810450
#1	9.746265	.5171314	1.085625	10.59735	.000747	.0369830
#2	8.931233	.5217041	1.086442	10.87290	.000229	.0359564
#3	9.316608	.5159078	1.081995	10.90330	-.001446	.0380356

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: ICV002 Acquired: 1/13/2025 11:03:35 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV002 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.000445	F .0007842	F .0017011	F -.000901	F .0009028	F .0116384
Stddev	.000125	.0061429	.0099408	.000942	.0010573	.0025486
%RSD	27.97652	783.3107	584.3822	104.5106	117.1036	21.89836
#1	-.000379	.0067274	-.006077	.000090	-.000061	.0143653
#2	-.000589	-.005541	-.001720	-.001785	.002033	.0112332
#3	-.000369	.001166	.012901	-.001010	.000737	.0093166

Elem	Sr4077
Units	ppm
Avg	F .0013338
Stddev	.0000154
%RSD	1.154332
#1	.0013486
#2	.0013348
#3	.0013179

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2162.445	47479.79	5293.514	2365.296	3043.551
Stddev	25.215	162.05	41.281	7.409	38.038
%RSD	1.166035	.3412977	.7798397	.3132285	1.249786
#1	2181.943	47340.55	5267.372	2357.391	3069.092
#2	2171.423	47441.15	5341.104	2366.419	3061.725
#3	2133.970	47657.66	5272.066	2372.080	2999.835

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: ICB002 Acquired: 1/13/2025 12:05:43 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB002 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.003372**	**-.001207**	**.0005459**	**-.005951**	**.0017873**	**.0188260**	**.0026523**
Stddev	.000637	.001798	.0018357	.002376	.0029293	.0110017	.0003884
%RSD	18.88873	148.9341	336.2606	39.91970	163.8930	58.43888	14.64202
#1	-.002986	-.002674	.0012161	-.006733	.0013427	.0115234	.0022649
#2	-.003022	.000799	-.001531	-.003283	.0049134	.0314796	.0030416
#3	-.004107	-.001747	.001952	-.007838	-.000894	.0134750	.0026506

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000066**	**-.000074**	**-.004782**	**.0000992**	**-.000034**	**-.003316**	**-.010114**
Stddev	.000118	.000042	.018379	.0006990	.000147	.002306	.005300
%RSD	178.5883	56.59237	384.3743	704.7767	438.7785	69.52557	52.39770
#1	-.000041	-.000029	-.022805	-.000462	.000057	-.004045	-.013687
#2	.000038	-.000080	-.005473	.000882	.000046	-.005169	-.004025
#3	-.000195	-.000113	.013933	-.000123	-.000204	-.000734	-.012630

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000073**	**.0013081**	**.0008528**	**-.000673**	**-1.38587**	**-.002907**	**.0000536**
Stddev	.000276	.0327089	.0004353	.000096	.60704	.004776	.0001127
%RSD	379.1263	2500.530	51.04897	14.32371	43.80238	164.2907	210.4513
#1	-.000294	-.017316	.0006739	-.000756	-1.57948	-.004054	.0000803
#2	-.000162	-.017835	.0013491	-.000567	-1.87249	.002338	-.000070
#3	.000237	.039076	.0005354	-.000696	-.70563	-.007005	.000151

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.762326**	**.0002723**	**-.008251**	**-.000040**	**-.003637**	**-.005955**	**-.000791**
Stddev	.065191	.0002173	.001235	.000422	.004162	.007347	.000934
%RSD	8.551605	79.80637	14.96293	1057.235	114.4391	123.3753	118.0462
#1	-.687053	.0003836	-.008391	.000175	-.005675	-.000047	-.001506
#2	-.799292	.0000219	-.006952	.000232	-.006389	-.014182	.000265
#3	-.800631	.0004113	-.009410	-.000527	.001151	-.003636	-.001132

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: ICB002 Acquired: 1/13/2025 12:05:43 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB002 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0022197	.0072914	.0001219
Stddev	.0030857	.0012582	.0001459
%RSD	139.0152	17.25610	119.7156
#1	-.000031	.0087331	.0002779
#2	.000952	.0064148	.0000989
#3	.005737	.0067263	-.000011

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2189.421	50084.38	5342.504	2476.348	3160.215
Stddev	2.497	139.10	22.283	2.505	4.315
%RSD	.1140271	.2777381	.4170852	.1011463	.1365431
#1	2192.266	49999.25	5330.603	2477.616	3158.671
#2	2188.403	50008.99	5328.699	2477.965	3165.090
#3	2187.595	50244.91	5368.211	2473.463	3156.885

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: ICSA002 Acquired: 1/13/2025 12:19:02 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA002 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032607	.0008652	.0046797	.0156306	.0105333	229.8108
Stddev	.0028067	.0033029	.0012366	.0064744	.0043656	.2959
%RSD	86.07688	381.7371	26.42431	41.42131	41.44548	.1287530
#1	.0011307	-.000490	.0046082	.0127710	.0148069	229.7851
#2	.0064412	.004630	.0059505	.0110783	.0060812	229.5285
#3	.0022103	-.001545	.0034804	.0230424	.0107118	230.1186

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0127630	-.000350	.0000752	231.7694	.0592762	.0011323
Stddev	.0006010	.000134	.0001043	.4444	.0004118	.0006010
%RSD	4.709176	38.18676	138.7255	.1917386	.6947682	53.07703
#1	.0124976	-.000205	.0001541	232.1144	.0588007	.0012131
#2	.0134510	-.000468	.0001146	231.2680	.0595080	.0016887
#3	.0123403	-.000377	-.000043	231.9260	.0595199	.0004950

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.009659	95.42993	.0089548	239.9755	.0039990	-.000967
Stddev	.001351	.15855	.0004107	.2064	.0001366	.000106
%RSD	13.98447	.1661434	4.586088	.0860227	3.416006	10.94259
#1	-.010993	95.38407	.0093263	240.0190	.0038453	-.001008
#2	-.008292	95.29936	.0085138	239.7508	.0041065	-.000847
#3	-.009693	95.60635	.0090242	240.1568	.0040452	-.001047

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.19213	-.000840	-.002194	-.737339	-.001539	F .3852962
Stddev	.46519	.002983	.000951	.027255	.002824	.0014581
%RSD	39.02155	354.9876	43.33304	3.696415	183.4991	.3784447
#1	-1.43856	-.004285	-.002885	-.729337	-.002273	.3847217
#2	-1.48225	.000940	-.002587	-.714980	.001580	.3842128
#3	-.65557	.000824	-.001110	-.767699	-.003925	.3869541

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: ICSA002 Acquired: 1/13/2025 12:19:02 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA002 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009907	.0197473	-.002838	-.006124	-.002448	.0107052
Stddev	.0004382	.0096716	.002518	.001729	.000844	.0020558
%RSD	44.22914	48.97696	88.73754	28.23799	34.46953	19.20412
#1	.0008933	.0194550	.000039	-.007924	-.001816	.0125986
#2	.0006094	.0295616	-.004643	-.005974	-.002122	.0085185
#3	.0014694	.0102251	-.003911	-.004475	-.003406	.0109985

Elem	Sr4077
Units	ppm
Avg	.0990306
Stddev	.0004070
%RSD	.4109454
#1	.0987911
#2	.0988002
#3	.0995005

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2039.627	44750.29	5162.879	2247.044	2665.912
Stddev	4.267	90.73	12.681	1.454	3.606
%RSD	.2091846	.2027504	.2456110	.0647097	.1352495
#1	2044.407	44692.67	5154.551	2248.637	2670.053
#2	2036.205	44854.87	5177.472	2245.787	2663.461
#3	2038.268	44703.31	5156.612	2246.709	2664.224

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: ICSAB002 Acquired: 1/13/2025 12:23:08 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB002 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0886039**	**.1027857**	**.0530716**	**.0584535**	**.5255781**	**228.0574**
Stddev	.0015590	.0006641	.0014118	.0024107	.0038039	.7144
%RSD	1.759525	.6461159	2.660214	4.124063	.7237520	.3132747
#1	.0868074	.1020259	.0516132	.0610096	.5293121	228.6604
#2	.0894020	.1032555	.0544318	.0562211	.5217080	228.2436
#3	.0896022	.1030757	.0531696	.0581298	.5257143	227.2683

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4958057**	**.5042542**	**.9402924**	**230.4279**	**.5792844**	**.4819028**
Stddev	.0038136	.0037281	.0072673	.9156	.0013033	.0027796
%RSD	.7691794	.7393213	.7728708	.3973351	.2249773	.5768032
#1	.5000649	.5010941	.9337940	231.3299	.5802571	.4788927
#2	.4946447	.5033027	.9389437	230.4544	.5797926	.4824432
#3	.4927075	.5083658	.9481396	229.4993	.5778037	.4843726

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4722890**	**94.68443**	**.4845588**	**236.3858**	**.9639723**	**.1987298**
Stddev	.0026251	.36111	.0011767	.9536	.0066273	.0008424
%RSD	.5558290	.3813840	.2428460	.4034173	.6874979	.4238790
#1	.4693223	94.94927	.4857498	237.4099	.9589365	.1990626
#2	.4743113	94.83093	.4845298	236.2239	.9615001	.1993550
#3	.4732333	94.27309	.4833968	235.5234	.9714803	.1977719

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-1.10950**	**.4866338**	**1.057064**	**-.820831**	**.0038368**	F **.3818974**
Stddev	.11427	.0016232	.004353	.013604	.0032398	.0016796
%RSD	10.29907	.3335632	.4118309	1.657395	84.44090	.4398067
#1	-1.01033	.4882314	1.053081	-.806811	.0043302	.3813486
#2	-1.23446	.4866840	1.061711	-.821705	.0003786	.3837828
#3	-1.08372	.4849861	1.056400	-.833977	.0068015	.3805609

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: ICSAB002 Acquired: 1/13/2025 12:23:08 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB002 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004092	.0202362	.0010602	-.005085	-.002839	F .0154585
Stddev	.0005413	.0011654	.0204612	.000460	.002891	.0057680
%RSD	132.2755	5.759148	1929.904	9.038655	101.8208	37.31293
#1	.0008976	.0214456	-.012238	-.005410	-.003899	.0168867
#2	-.000173	.0201426	.024622	-.005287	-.005051	.0203782
#3	.000503	.0191203	-.009203	-.004559	.000432	.0091106

Elem	Sr4077
Units	ppm
Avg	.0992853
Stddev	.0007662
%RSD	.7716867
#1	.0997332
#2	.0997221
#3	.0984007

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2059.679	44656.76	5217.861	2237.361	2708.797
Stddev	3.993	79.81	24.867	4.157	9.304
%RSD	.1938571	.1787128	.4765751	.1858018	.3434916
#1	2064.280	44602.80	5242.092	2235.764	2718.222
#2	2057.639	44619.05	5219.087	2234.238	2708.548
#3	2057.119	44748.44	5192.404	2242.079	2699.619

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: CCV016 Acquired: 1/13/2025 12:27:06 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV016 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.933465**	**4.814253**	**24.12482**	**4.885111**	**5.018419**	**395.6207**
Stddev	.007903	.013728	.05497	.014255	.003547	3.1581
%RSD	.1601984	.2851562	.2278417	.2917977	.0706830	.7982520
#1	4.933991	4.809668	24.06338	4.869507	5.016466	392.8309
#2	4.941091	4.803404	24.14176	4.888380	5.022513	394.9819
#3	4.925311	4.829687	24.16933	4.897448	5.016278	399.0494

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.23606**	**.5418704**	**2.645066**	**388.3671**	**15.71052**	**2.461174**
Stddev	.07442	.0030861	.007753	3.0096	.04190	.006254
%RSD	.7270616	.5695275	.2931141	.7749314	.2667201	.2541154
#1	10.19217	.5433959	2.636340	385.8344	15.66285	2.454530
#2	10.19403	.5438967	2.647698	387.5727	15.72718	2.462042
#3	10.32199	.5383187	2.651161	391.6942	15.74152	2.466948

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.31242**	**394.3122**	**15.31492**	**250.0502**	**2.457097**	**1.347751**
Stddev	.05959	3.0887	.14044	2.0082	.007934	.001745
%RSD	.3891817	.7833079	.9170035	.8031344	.3228902	.1294514
#1	15.27125	391.3387	15.18664	248.0794	2.448216	1.345750
#2	15.28526	394.0936	15.29314	249.9773	2.459591	1.348958
#3	15.38076	397.5044	15.46497	252.0939	2.463484	1.348543

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**404.9751**	**2.491811**	**15.52140**	**161.8720**	**4.878059**	F **5.954388**
Stddev	1.1568	.010876	.04648	1.0582	.011448	.010055
%RSD	.2856357	.4364538	.2994436	.6537548	.2346863	.1688690
#1	404.0979	2.479485	15.47171	160.9977	4.872824	5.951114
#2	404.5414	2.500057	15.52869	161.5699	4.891189	5.965672
#3	406.2861	2.495890	15.56381	163.0485	4.870164	5.946377

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: CCV016 Acquired: 1/13/2025 12:27:06 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV016 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.848373**	**4.774869**	**4.946146**	**4.902531**	**5.020849**	**5.152597**
Stddev	.006828	.015431	.012514	.008875	.015179	.041259
%RSD	.1408329	.3231612	.2530037	.1810331	.3023287	.8007330
#1	4.844887	4.762753	4.952034	4.895422	5.008408	5.130029
#2	4.843991	4.769612	4.954630	4.899693	5.016377	5.127545
#3	4.856240	4.792241	4.931774	4.912478	5.037762	5.200216

Elem	Sr4077
Units	ppm
Avg	**5.114524**
Stddev	.046071
%RSD	.9007781
#1	5.061870
#2	5.147419
#3	5.134283

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1849.631**	**42320.29**	**5047.369**	**2149.679**	**2463.451**
Stddev	.806	212.48	14.817	11.927	4.692
%RSD	.0435968	.5020768	.2935496	.5548480	.1904659
#1	1849.917	42558.32	5053.993	2163.448	2468.308
#2	1848.721	42252.80	5030.397	2143.049	2458.943
#3	1850.256	42149.75	5057.719	2142.539	2463.104

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: CCB016 Acquired: 1/13/2025 12:36:22 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB016 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.003784**	**-.001621**	**.0014225**	**-.002114**	**.0009968**	**.0134246**
Stddev	.001373	.001706	.0008103	.003040	.0018961	.0120776
%RSD	36.29018	105.2787	56.96251	143.7888	190.2106	89.96564
#1	-.005282	-.003122	.0015814	-.005461	-.001125	.0249817
#2	-.002585	-.001976	.0005445	.000476	.002524	.0144057
#3	-.003485	.000235	.0021415	-.001357	.001591	.0008865

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0047074**	**.0001072**	**-.000116**	**.0181849**	**.0006068**	**.0002555**
Stddev	.0009797	.0001108	.000097	.0130571	.0000875	.0005002
%RSD	20.81262	103.4075	83.84058	71.80150	14.41875	195.7654
#1	.0053333	.0002214	-.000027	.0156348	.0005217	-.000019
#2	.0052106	.0000999	-.000101	.0065911	.0006965	.000833
#3	.0035783	.0000002	-.000219	.0323289	.0006021	-.000048

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.002477**	**.0086959**	**.0005236**	**-.003922**	**.0008176**	**-.000422**
Stddev	.000329	.0176650	.0005650	.033981	.0009315	.000343
%RSD	13.30088	203.1408	107.9164	866.3220	113.9316	81.22147
#1	-.002273	-.010418	.0011759	.031820	.0016782	-.000245
#2	-.002857	.024422	.0001881	-.035813	-.000171	-.000818
#3	-.002301	.012084	.0002068	-.007774	.000946	-.000204

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-1.06804**	**-.003099**	**.0004280**	**-.533529**	**.0002855**	**-.004153**
Stddev	.10650	.003640	.0002964	.043316	.0023313	.001662
%RSD	9.971436	117.4446	69.23952	8.118690	816.6229	40.01983
#1	-1.01069	-.007258	.0002819	-.499321	-.002206	-.005041
#2	-1.00250	-.000491	.0007691	-.582233	.002414	-.005184
#3	-1.19092	-.001549	.0002331	-.519033	.000648	-.002236

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: CCB016 Acquired: 1/13/2025 12:36:22 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB016 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001638	-.005998	.0035996	.0004723	-.000547	F .0102266
Stddev	.0003033	.004409	.0225745	.0004215	.001677	.0009401
%RSD	185.1182	73.51776	627.1389	89.22770	306.2811	9.192571
#1	-.000182	-.007787	.0203074	.0002681	-.001775	.0092392
#2	.000383	-.009231	-.022082	.0009570	-.001230	.0103296
#3	.000290	-.000975	.012573	.0001919	.001363	.0111109

Elem	Sr4077
Units	ppm
Avg	.0001068
Stddev	.0000953
%RSD	89.23894
#1	.0000657
#2	.0002157
#3	.0000389

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2221.898	50447.91	5447.890	2494.393	3207.211
Stddev	8.524	422.86	58.480	21.879	15.824
%RSD	.3836234	.8382153	1.073448	.8771403	.4934014
#1	2229.841	50908.27	5430.184	2514.849	3222.593
#2	2222.961	50358.67	5513.178	2497.004	3208.060
#3	2212.893	50076.79	5400.310	2471.325	3190.979

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: PB165566BL Acquired: 1/13/2025 12:40:30 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS566 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000632**	**-.002775**	**.0025199**	**-.001331**	**.0010833**	**.0194661**	**.0001228**
Stddev	.0034585	.001192	.0025868	.005380	.0004874	.0160263	.0010591
%RSD	5474.397	42.96524	102.6521	404.2362	44.99266	82.32925	862.2664
#1	-.002709	-.003820	.0006829	.004845	.0007344	.0045671	.0009759
#2	-.001040	-.001476	.0013987	-.003834	.0008752	.0174099	.0004552
#3	.003939	-.003029	.0054781	-.005004	.0016401	.0364212	-.001063

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000011**	**-.000126**	**-.000643**	**-.000348**	**.0000985**	**.0054633**	**-.002374**
Stddev	.000185	.000019	.012464	.000655	.0000999	.0046082	.003019
%RSD	1666.071	14.92676	1938.951	188.1114	101.4231	84.34873	127.1639
#1	.000194	-.000130	.005685	-.000109	.0000430	.0107143	-.003489
#2	-.000166	-.000105	-.015001	-.001088	.0002139	.0020924	.001044
#3	-.000061	-.000142	.007388	.000154	.0000387	.0035831	-.004676

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000681**	**.0170497**	**.0002670**	**-.000663**	**-.532966**	**-.005747**	**.0009528**
Stddev	.000395	.0289052	.0006040	.000531	.543980	.001600	.0001870
%RSD	57.94140	169.5348	226.2468	80.05328	102.0667	27.84064	19.63186
#1	-.000233	.0222612	.0007602	-.000849	-.943083	-.007215	.0008683
#2	-.000976	.0429946	-.000407	-.001076	.084121	-.004042	.0008228
#3	-.000834	-.014107	.000447	-.000064	-.739935	-.005984	.0011671

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.344509**	**-.001237**	**-.004525**	**-.000126**	**-.008829**	**-.002343**	**.0002770**
Stddev	.051756	.002068	.001041	.000403	.001334	.005174	.0006787
%RSD	15.02303	167.2142	22.99493	320.0169	15.10732	220.8132	245.0325
#1	-.285934	-.000936	-.004567	.000146	-.007306	.003340	.0003812
#2	-.363530	-.003439	-.005544	-.000590	-.009393	-.006781	-.000448
#3	-.384062	.000664	-.003464	.000065	-.009788	-.003589	.000897

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: PB165566BL Acquired: 1/13/2025 12:40:30 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS566 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0016284	.0078175	.0000654
Stddev	.0036194	.0028628	.0000706
%RSD	222.2744	36.62081	107.9517
#1	-.001055	.0057554	.0001399
#2	.000195	.0066109	.0000571
#3	.005745	.0110861	-.000001

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2155.580	48955.89	5258.619	2401.489	3129.408
Stddev	1.792	167.03	10.392	6.068	7.960
%RSD	.0831205	.3411846	.1976278	.2526707	.2543597
#1	2153.522	48848.05	5246.638	2398.902	3122.301
#2	2156.795	49148.29	5265.195	2408.422	3127.914
#3	2156.422	48871.34	5264.024	2397.144	3138.009

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: PB165566BS Acquired: 1/13/2025 12:44:39 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS566 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0155638	.0436120	.0175970	.0597103	.1006961	.3498825	.3460312
Stddev	.0043370	.0045258	.0007032	.0017684	.0031265	.0030890	.0034367
%RSD	27.86573	10.37734	3.996176	2.961677	3.104873	.8828826	.9931828
#1	.0105829	.0429266	.0182720	.0616268	.1036592	.3480527	.3433871
#2	.0176049	.0484414	.0176503	.0593622	.1010005	.3481458	.3447904
#3	.0185037	.0394680	.0168686	.0581418	.0974285	.3534490	.3499160

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0100910	.0085886	8.588292	.0193701	.0877401	.0542950	.1697147
Stddev	.0000921	.0000792	.060896	.0004157	.0002828	.0045609	.0166471
%RSD	.9128927	.9220470	.7090618	2.145920	.3223126	8.400256	9.808892
#1	.0100165	.0085413	8.536303	.0198146	.0880490	.0508743	.1866480
#2	.0100624	.0085445	8.573283	.0193047	.0874940	.0594732	.1691268
#3	.0101940	.0086800	8.655289	.0189910	.0876771	.0525375	.1533693

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0266976	8.327523	.0713779	.0169368	9.018066	.1011149	.1262387
Stddev	.0009877	.084009	.0003140	.0004598	.340808	.0049018	.0013652
%RSD	3.699705	1.008817	.4399662	2.714541	3.779166	4.847729	1.081404
#1	.0267099	8.261432	.0712604	.0164317	9.388113	.1041580	.1273922
#2	.0257037	8.299075	.0717337	.0173309	8.949009	.0954603	.1265923
#3	.0276791	8.422063	.0711395	.0170479	8.717074	.1037263	.1247315

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.764646	.0165653	-.005511	.0176139	.1490374	.9341060	.0120661
Stddev	.031404	.0018779	.000654	.0004172	.0036211	.0362830	.0007937
%RSD	.4044437	11.33615	11.86119	2.368350	2.429636	3.884246	6.577552
#1	7.761986	.0169410	-.004780	.0172763	.1457750	.9742456	.0111528
#2	7.734656	.0182268	-.006041	.0180802	.1484038	.9036409	.0125883
#3	7.797294	.0145279	-.005711	.0174851	.1529335	.9244315	.0124571

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: PB165566BS Acquired: 1/13/2025 12:44:39 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS566 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1908230	.0324591	.1773211
Stddev	.0005660	.0031266	.0011337
%RSD	.2966179	9.632450	.6393661
#1	.1901961	.0320495	.1765915
#2	.1909763	.0357704	.1767446
#3	.1912965	.0295576	.1786272

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2143.679	47488.04	5136.586	2328.040	3071.365
Stddev	2.400	45.98	27.786	5.389	5.441
%RSD	.1119778	.0968201	.5409366	.2314668	.1771530
#1	2140.930	47461.67	5109.406	2323.302	3065.082
#2	2145.360	47461.31	5135.410	2333.902	3074.544
#3	2144.747	47541.13	5164.940	2326.916	3074.468

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: P5212-08 Acquired: 1/13/2025 12:50:50 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNF4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0856311	-.003727	.5948897	.0248339	.0124400	55.67440
Stddev	.0006124	.000834	.0014810	.0027479	.0033744	.37327
%RSD	.7150981	22.37000	.2489503	11.06523	27.12575	.6704496
#1	.0859471	-.003108	.5934070	.0236705	.0100387	55.42262
#2	.0849253	-.004675	.5963690	.0279721	.0109831	55.49733
#3	.0860208	-.003397	.5948933	.0228590	.0162981	56.10325

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.421354	.0051521	.0051006	120.5014	.1729210	.0856537
Stddev	.013192	.0001453	.0001264	.8722	.0005408	.0001509
%RSD	.9281033	2.819506	2.477189	.7237873	.3127559	.1761554
#1	1.410472	.0053152	.0051514	119.7943	.1725042	.0858109
#2	1.417563	.0051044	.0051937	120.2339	.1727267	.0856402
#3	1.436026	.0050367	.0049568	121.4760	.1735322	.0855100

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3218936	165.3997	11.99398	29.07420	.1419144	.0002160
Stddev	.0024228	1.0732	.07816	.17443	.0008720	.0008580
%RSD	.7526735	.6488499	.6516243	.5999420	.6144611	397.2887
#1	.3192014	164.6074	11.94343	28.99801	.1415525	-.000373
#2	.3238984	164.9707	11.95451	28.95082	.1412817	-.000179
#3	.3225811	166.6211	12.08400	29.27376	.1429091	.001200

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3920445	.1552924	.8753164	5.586813	F 10.89377	.7022189
Stddev	.1905762	.0025168	.0022932	.134071	.01817	.0046280
%RSD	48.61085	1.620672	.2619841	2.399772	.1668256	.6590596
#1	.5915803	.1550709	.8730681	5.655945	10.90348	.6997500
#2	.2119126	.1528936	.8776520	5.432287	10.87280	.6993489
#3	.3726406	.1579126	.8752290	5.672208	10.90501	.7075579

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: P5212-08 Acquired: 1/13/2025 12:50:50 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNF4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0087021	1.934099	F 25.49083	.0250849	.7434272	.0862713
Stddev	.0006687	.005035	.08144	.0012251	.0044480	.0014797
%RSD	7.683944	.2603335	.3194845	4.883838	.5983055	1.715228
#1	.0085787	1.929332	25.39702	.0240180	.7401379	.0861487
#2	.0081037	1.939365	25.53208	.0264228	.7484880	.0878085
#3	.0094238	1.933600	25.54339	.0248139	.7416558	.0848566

Elem	Sr4077
Units	ppm
Avg	.2431522
Stddev	.0019769
%RSD	.8130363
#1	.2420611
#2	.2419612
#3	.2454342

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2525.297	56068.02	6324.455	2813.538	2894.762
Stddev	3.067	113.92	34.112	11.837	7.451
%RSD	.1214580	.2031752	.5393716	.4206996	.2573993
#1	2522.259	55982.31	6295.776	2823.289	2888.345
#2	2525.240	56197.29	6315.412	2816.957	2902.934
#3	2528.392	56024.46	6362.178	2800.368	2893.008

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: P5197-20DLX5 Acquired: 1/13/2025 12:54:48 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMS7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0036324**	**-.003080**	**.0134032**	**-.000764**	**.0011870**	**4.717619**	**.0530028**
Stddev	.0036822	.001014	.0003003	.002044	.0027278	.022758	.0014470
%RSD	101.3715	32.91167	2.240155	267.6831	229.8104	.4823970	2.730097
#1	.0026419	-.003978	.0132410	.000874	.0041296	4.739296	.0546723
#2	.0077086	-.001981	.0137497	-.003055	.0006888	4.693916	.0521076
#3	.0005468	-.003282	.0132190	-.000110	-.001257	4.719644	.0522287

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005475**	**.0000646**	**406.1506**	**.0103710**	**.0049266**	**.0212781**	**15.91577**
Stddev	.0001506	.0000272	2.0076	.0000689	.0007945	.0032566	.02304
%RSD	27.51400	42.14446	.4943005	.6644638	16.12662	15.30494	.1447349
#1	.0007093	.0000812	407.3087	.0104437	.0040361	.0201416	15.92678
#2	.0005217	.0000332	403.8324	.0103066	.0055629	.0249507	15.88930
#3	.0004114	.0000795	407.3107	.0103627	.0051808	.0187421	15.93124

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.116923**	**83.07188**	**.0113037**	**-.001265**	**-.218941**	**.0195655**	**.0450147**
Stddev	.009261	.31413	.0004890	.000595	.150356	.0049395	.0002539
%RSD	.8291250	.3781401	4.325812	47.04389	68.67425	25.24607	.5641255
#1	1.124588	83.37516	.0109415	-.001856	-.390172	.0146309	.0449140
#2	1.106633	82.74793	.0111098	-.000665	-.108487	.0245099	.0448266
#3	1.119547	83.09255	.0118599	-.001275	-.158164	.0195558	.0453035

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1484661**	**.5894931**	**.0677659**	**.0005477**	**.1577741**	**2.539921**	**-.006292**
Stddev	.0511394	.0051619	.0010493	.0007496	.0051509	.009099	.000569
%RSD	34.44512	.8756508	1.548403	136.8726	3.264764	.3582282	9.049192
#1	.1790602	.5882875	.0686327	-.000062	.1631178	2.532539	-.005992
#2	.0894286	.5850408	.0680657	.001384	.1528403	2.537137	-.005935
#3	.1769097	.5951512	.0665994	.000321	.1573642	2.550086	-.006949

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: P5197-20DLX5 Acquired: 1/13/2025 12:54:48 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMS7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0515531	.0202543	.1911878
Stddev	.0008584	.0008077	.0012130
%RSD	1.665006	3.987830	.6344266
#1	.0512348	.0195768	.1917936
#2	.0525251	.0200378	.1897913
#3	.0508993	.0211481	.1919786

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2133.157	46986.51	5414.040	2342.733	2774.440
Stddev	3.483	154.62	17.273	3.338	6.147
%RSD	.1632599	.3290701	.3190492	.1424708	.2215596
#1	2129.326	46914.24	5428.607	2339.465	2769.859
#2	2136.132	47164.03	5394.957	2346.136	2772.034
#3	2134.012	46881.26	5418.555	2342.599	2781.425

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: P5210-14DLX2 Acquired: 1/13/2025 12:58:53 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0814090**	**-.005254**	**.4813793**	**.0095992**	**.0069324**	**28.88080**
Stddev	.0043705	.001415	.0027340	.0023975	.0029926	.09533
%RSD	5.368548	26.94112	.5679564	24.97548	43.16839	.3300916
#1	.0788189	-.006221	.4806131	.0104139	.0097471	28.94724
#2	.0789532	-.003629	.4844147	.0114831	.0072610	28.77157
#3	.0864550	-.005911	.4791102	.0069006	.0037890	28.92359

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3828738**	**.0026614**	**.0019422**	**536.2196**	**.0523561**	**.0400982**
Stddev	.0024503	.0001188	.0001844	1.9267	.0008314	.0004211
%RSD	.6399637	4.464477	9.494742	.3593060	1.587902	1.050077
#1	.3840476	.0025350	.0021333	537.9029	.0518637	.0402762
#2	.3800575	.0026786	.0019280	534.1182	.0518886	.0404010
#3	.3845164	.0027707	.0017653	536.6377	.0533159	.0396174

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1186859**	**97.31449**	**3.505909**	**66.39715**	**.0897120**	**-.000484**
Stddev	.0046145	.44863	.018613	.19531	.0006225	.000109
%RSD	3.888024	.4610075	.5309141	.2941509	.6938721	22.52661
#1	.1133852	97.80349	3.527088	66.60679	.0898193	-.000393
#2	.1218062	96.92191	3.492150	66.22034	.0890428	-.000456
#3	.1208663	97.21808	3.498488	66.36432	.0902739	-.000605

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0351372**	**.0589688**	**.5072229**	**6.379812**	**2.684313**	**.4468307**
Stddev	.1068084	.0016150	.0024935	.168700	.011528	.0034626
%RSD	303.9749	2.738726	.4916069	2.644273	.4294587	.7749366
#1	.0974922	.0584127	.5098831	6.199540	2.694580	.4506067
#2	.0961114	.0607884	.5049387	6.406027	2.671842	.4438041
#3	-.088192	.0577054	.5068470	6.533870	2.686518	.4460812

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: P5210-14DLX2 Acquired: 1/13/2025 12:58:53 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNL0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030618	1.598255	F 13.20888	.0109005	.1612104	.0812761
Stddev	.0003355	.021230	.04251	.0017447	.0015190	.0018543
%RSD	10.95869	1.328308	.3218293	16.00570	.9422722	2.281529
#1	.0031273	1.619475	13.20480	.0128754	.1599110	.0833346
#2	.0026984	1.577015	13.25329	.0102575	.1628805	.0797363
#3	.0033598	1.598274	13.16856	.0095685	.1608396	.0807575

Elem	Sr4077
Units	ppm
Avg	.5664209
Stddev	.0023024
%RSD	.4064854
#1	.5686053
#2	.5640163
#3	.5666410

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2156.374	48109.10	5574.849	2415.322	2622.459
Stddev	5.546	149.93	20.342	15.814	5.275
%RSD	.2572141	.3116560	.3648860	.6547437	.2011453
#1	2151.123	47935.97	5577.213	2397.131	2616.406
#2	2162.175	48195.05	5553.429	2423.028	2626.079
#3	2155.823	48196.29	5593.906	2425.805	2624.891

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: CCV017 Acquired: 1/13/2025 13:02:54 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV017 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.962793**	**5.009465**	**24.21555**	**4.911493**	**5.058062**	**399.3615**
Stddev	.010934	.044211	.06814	.019373	.012565	1.7768
%RSD	.2203241	.8825430	.2813929	.3944418	.2484095	.4449064
#1	4.972368	5.013335	24.29416	4.932836	5.070615	399.6207
#2	4.950879	4.963446	24.17923	4.895020	5.058086	400.9945
#3	4.965133	5.051613	24.17328	4.906624	5.045486	397.4694

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.50164**	**.5490471**	**2.661953**	**394.4436**	**15.78446**	**2.476077**
Stddev	.03899	.0076813	.005997	1.2903	.04313	.007884
%RSD	.3712808	1.399027	.2252958	.3271222	.2732669	.3184269
#1	10.46808	.5574042	2.668877	394.3308	15.83421	2.484074
#2	10.54441	.5422954	2.658417	395.7867	15.75754	2.468310
#3	10.49243	.5474416	2.658564	393.2134	15.76163	2.475848

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.55583**	**396.9920**	**15.37091**	**252.4982**	**2.471168**	**1.359206**
Stddev	.15969	1.3104	.05828	.8680	.004864	.003684
%RSD	1.026590	.3300698	.3791350	.3437527	.1968419	.2710511
#1	15.73865	397.4599	15.39550	252.9201	2.476104	1.363415
#2	15.48528	398.0041	15.41286	253.0745	2.466379	1.356565
#3	15.44356	395.5119	15.30437	251.4999	2.471019	1.357639

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**413.4021**	**2.540362**	**15.73273**	**162.5348**	**4.928925**	F **6.031136**
Stddev	3.7998	.020661	.06724	.5104	.022710	.047494
%RSD	.9191493	.8133109	.4273863	.3140263	.4607510	.7874874
#1	417.7887	2.563727	15.76251	162.3394	4.940344	6.083131
#2	411.1275	2.532855	15.65574	163.1140	4.902772	5.990036
#3	411.2901	2.524504	15.77993	162.1509	4.943659	6.020240

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: CCV017 Acquired: 1/13/2025 13:02:54 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV017 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.889311**	**4.827067**	**5.064633**	**4.945817**	**5.130395**	**5.200965**
Stddev	.007330	.017426	.064339	.008844	.041195	.013875
%RSD	.1499194	.3610066	1.270352	.1788264	.8029536	.2667717
#1	4.890369	4.835187	5.137860	4.955870	5.176303	5.187112
#2	4.881510	4.838952	5.038878	4.939231	5.118228	5.214861
#3	4.896055	4.807063	5.017162	4.942350	5.096655	5.200920

Elem	Sr4077
Units	ppm
Avg	**5.149922**
Stddev	.020302
%RSD	.3942242
#1	5.133433
#2	5.172598
#3	5.143735

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1817.290**	**41821.57**	**4957.132**	**2101.501**	**2425.987**
Stddev	.792	148.93	58.035	1.515	3.611
%RSD	.0435605	.3561169	1.170733	.0720820	.1488493
#1	1817.109	41728.36	4890.129	2101.469	2422.179
#2	1816.604	41743.01	4991.637	2103.032	2426.418
#3	1818.156	41993.34	4989.629	2100.003	2429.363

Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: CCB017 Acquired: 1/13/2025 13:06:49 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB017 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008511	-.002467	-.000478	-.002377	-.001940	.0046251	-.005212
Stddev	.0036882	.002346	.001021	.003372	.001242	.0303306	.000689
%RSD	433.3162	95.10682	213.5266	141.8425	64.00475	655.7802	13.22422
#1	-.002957	-.005044	-.000762	-.005390	-.003355	.0378808	-.004522
#2	.004406	-.001900	.000655	-.003007	-.001429	-.021515	-.005215
#3	.001105	-.000456	-.001327	.001265	-.001035	-.002490	-.005900

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000605	-.000033	.0130732	.0005055	.0000558	-.000657	.0054937
Stddev	.0000587	.000068	.0089818	.0001642	.0002837	.002362	.0032992
%RSD	97.08173	205.3492	68.70427	32.47779	508.2505	359.5508	60.05463
#1	.0000347	-.000029	.0234250	.0003704	-.000109	.000812	.0088277
#2	.0001277	.000033	.0073472	.0004578	.000383	.000599	.0054229
#3	.0000191	-.000102	.0084473	.0006882	-.000107	-.003382	.0022304

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000872	.0127409	.0008961	-.000016	-.251768	-.003294	.0002144
Stddev	.0011096	.0152272	.0005309	.000110	.306621	.000643	.0005899
%RSD	1272.861	119.5141	59.24854	692.6446	121.7875	19.51979	275.1123
#1	.0006036	.0240502	.0011086	.000093	.092514	-.004033	-.000428
#2	-.001186	.0187458	.0002918	-.000128	-.352357	-.002864	.000731
#3	.000844	-.004573	.0012878	-.000013	-.495460	-.002985	.000340

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.776108	.0009343	-.000134	-.000143	.0002778	-.001961	-.001369
Stddev	.150355	.0025284	.001844	.000381	.0047559	.012925	.000718
%RSD	19.37294	270.6093	1373.254	266.2937	1712.150	659.0670	52.41345
#1	-.614811	.0023249	.001993	.000171	.0032929	.009789	-.000594
#2	-.801132	-.001984	-.001270	-.000034	-.005205	.000133	-.002011
#3	-.912381	.002462	-.001126	-.000567	.002745	-.015806	-.001503

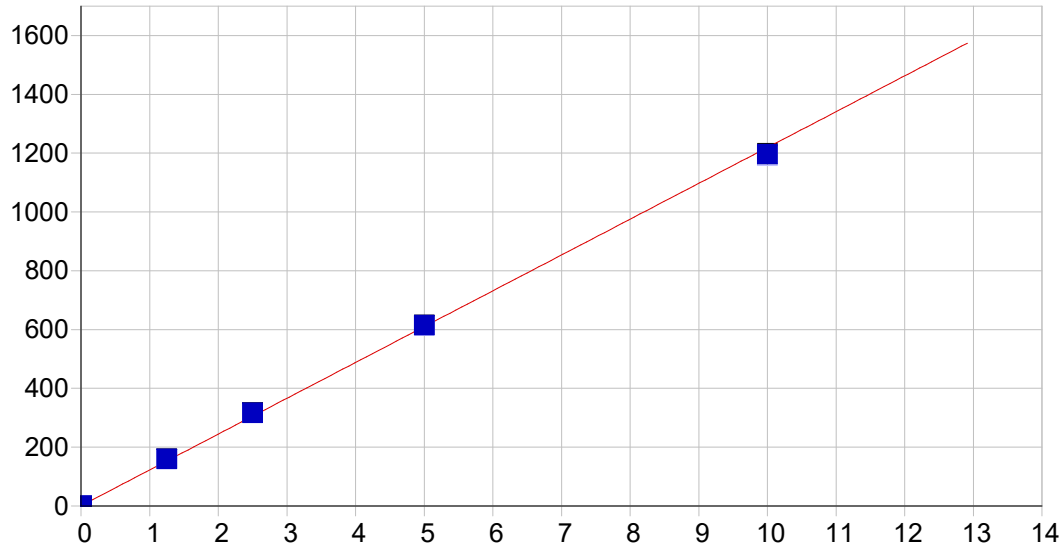
Reviewed By:Mohan
On:1/13/2025 2:03:45 PM
Inst Id :P4

Sample Name: CCB017 Acquired: 1/13/2025 13:06:49 Type: Unk
Method: EPA SFAM01.0(v34) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB017 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000272	.0022118	.0002603
Stddev	.001100	.0010354	.0000461
%RSD	404.3743	46.81142	17.71299
#1	.000761	.0010465	.0003113
#2	-.001429	.0030258	.0002479
#3	-.000149	.0025630	.0002216

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2422.131	54808.16	5841.373	2668.260	3561.369
Stddev	2.383	42.26	8.220	3.953	2.896
%RSD	.0983732	.0770970	.1407207	.1481460	.0813211
#1	2424.274	54855.99	5837.520	2669.060	3563.019
#2	2422.552	54775.89	5850.812	2671.752	3563.062
#3	2419.565	54792.61	5835.788	2663.969	3558.024

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



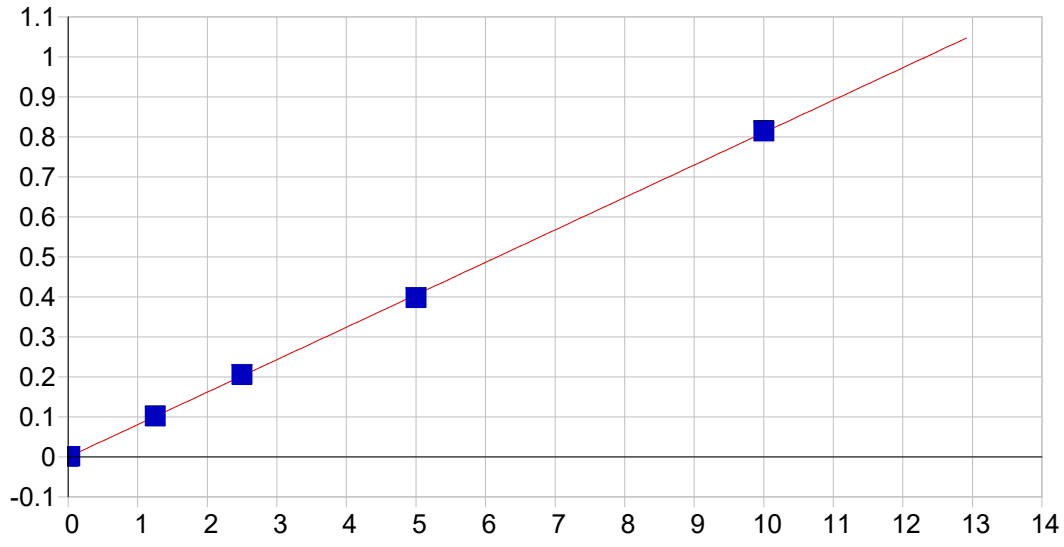
As 189.042 {478}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.707428	Re-Slope:	1.000000
A1 (Gain):	121.845964	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999711	Status:	OK.
Std Error of Est:	0.048899		
Predicted MDL:	0.006339		
Predicted MQL:	0.021131		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.70768	.190	1
S1	.01000	.00719	-.003	-28.1	1.5820	.224	1
S2	1.2500	1.3043	.054	4.34	158.99	.366	1
S3	2.5000	2.5966	.097	3.86	315.81	.865	1
S4	5.0000	5.0403	.040	.807	612.29	.382	1
S5	10.000	9.8116	-.188	-1.88	1191.1	2.71	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



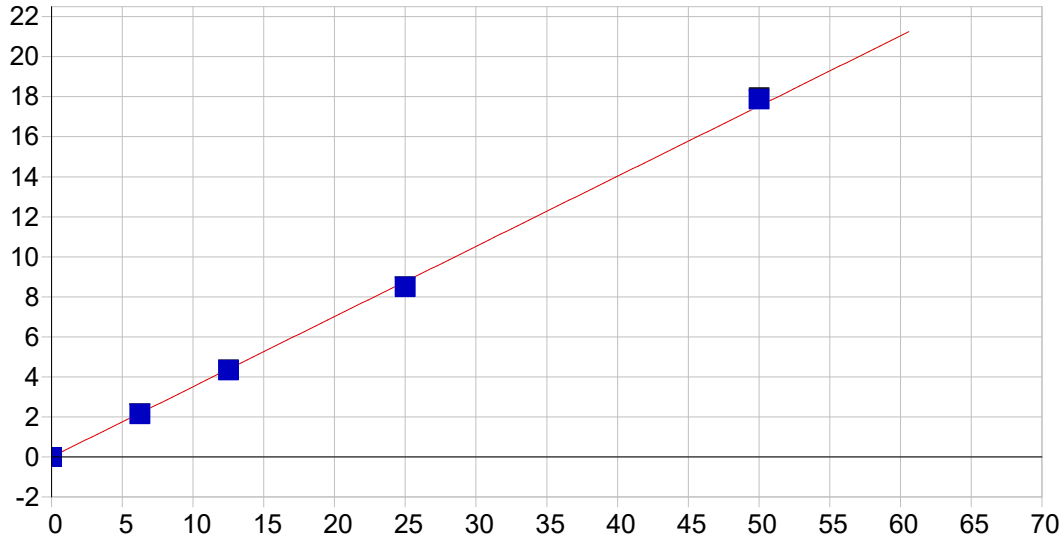
Tl 190.856 {477}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000342	Re-Slope:	1.000000
A1 (Gain):	0.081117	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999927	Status:	OK.
Std Error of Est:	0.000026		
Predicted MDL:	0.003623		
Predicted MQL:	0.012076		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00034	.000	1
S1	.02500	.02736	.002	9.46	.00181	.000	1
S2	1.2500	1.2605	.011	.841	.10164	.000	1
S3	2.5000	2.5389	.039	1.56	.20508	.001	1
S4	5.0000	4.9090	-.091	-1.82	.39682	.001	1
S5	10.000	10.039	.039	.393	.81192	.002	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



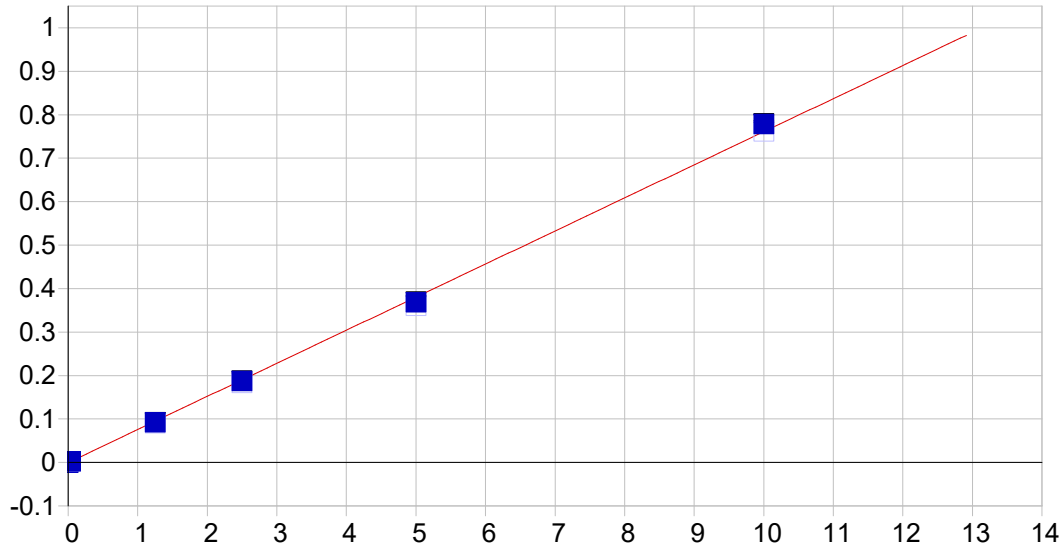
Pb 220.353 {453}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000135	Re-Slope:	1.000000
A1 (Gain):	0.350619	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999747	Status:	OK.
Std Error of Est:	0.000295		
Predicted MDL:	0.002288		
Predicted MQL:	0.007628		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00014	.001	1
S1	.01000	.00842	-.002	-15.8	.00307	.001	1
S2	6.2500	6.1312	-.119	-1.90	2.1475	.003	1
S3	12.500	12.375	-.125	-.997	4.3345	.001	1
S4	25.000	24.238	-.762	-3.05	8.4889	.010	1
S5	50.000	51.007	1.01	2.01	17.865	.055	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



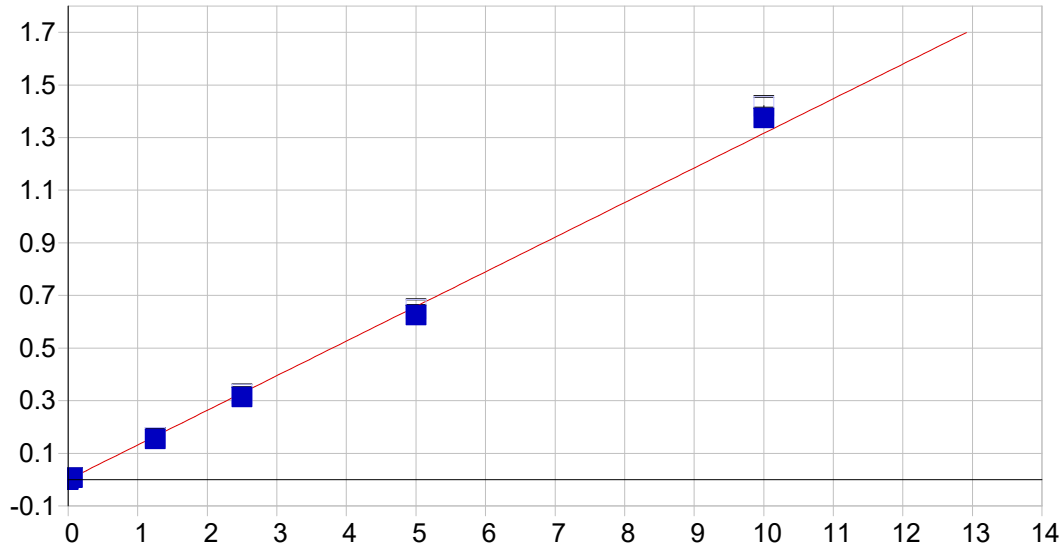
Se 196.090 {472}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000252	Re-Slope:	1.000000
A1 (Gain):	0.076112	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999668	Status:	OK.
Std Error of Est:	0.000060		
Predicted MDL:	0.004410		
Predicted MQL:	0.014700		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00025	.000	1
S1	.03500	.03245	-.003	-7.28	.00221	.000	1
S2	1.2500	1.2142	-.036	-2.86	.09002	.000	1
S3	2.5000	2.4639	-.036	-1.44	.18300	.001	1
S4	5.0000	4.8440	-.156	-3.12	.35987	.001	1
S5	10.000	10.230	.230	2.30	.76128	.002	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



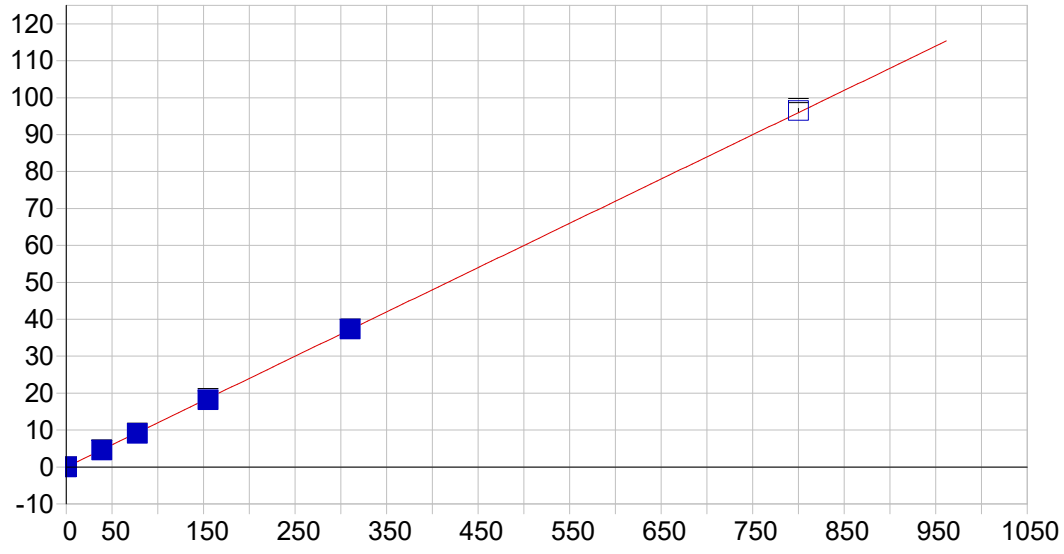
Sb 206.833 {463}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000155	Re-Slope:	1.000000
A1 (Gain):	0.131601	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998944	Status:	OK.
Std Error of Est:	0.000257		
Predicted MDL:	0.003267		
Predicted MQL:	0.010890		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00016	.000	1
S1	.06000	.05665	-.003	-5.58	.00761	.000	1
S2	1.2500	1.1714	-.079	-6.29	.15981	.001	1
S3	2.5000	2.3857	-.114	-4.57	.32512	.001	1
S4	5.0000	4.7515	-.248	-4.97	.64746	.002	1
S5	10.000	10.445	.445	4.45	1.4187	.003	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



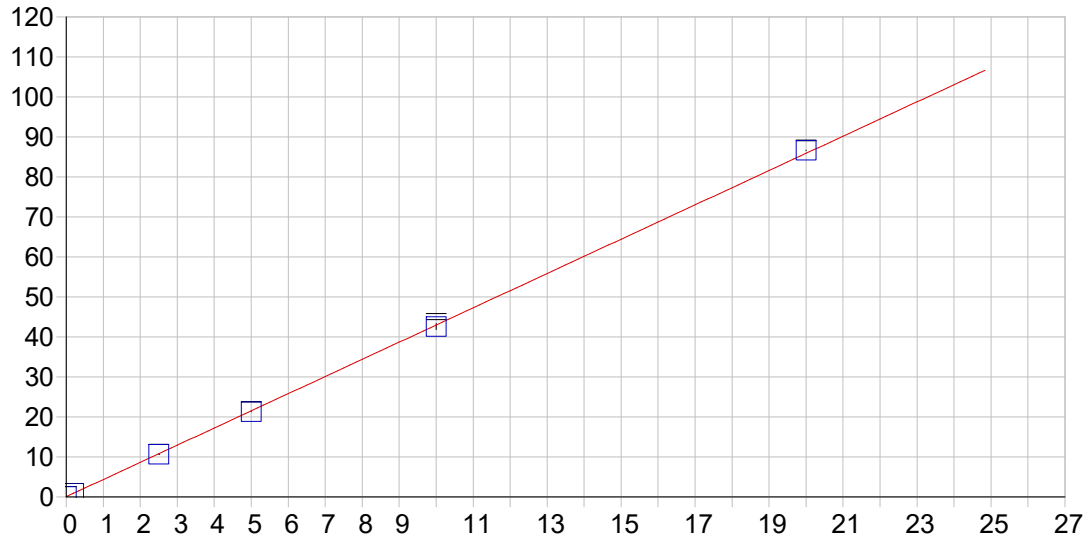
Al 396.152 { 85}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.005186	Re-Slope:	1.000000
A1 (Gain):	0.119963	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999943	Status:	OK.
Std Error of Est:	0.000795		
Predicted MDL:	0.025668		
Predicted MQL:	0.085559		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	-.00519	.002	1
S1	.20000	.22162	.022	10.8	.02144	.003	1
S2	38.750	37.875	-.875	-2.26	4.5435	.006	1
S3	77.500	75.880	-1.62	-2.09	9.1077	.034	1
S4	155.00	151.71	-3.29	-2.13	18.214	.292	1
S5	310.00	311.10	1.10	.356	37.356	.034	1
S6	800.00	804.67	4.67	.583	96.525	.559	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



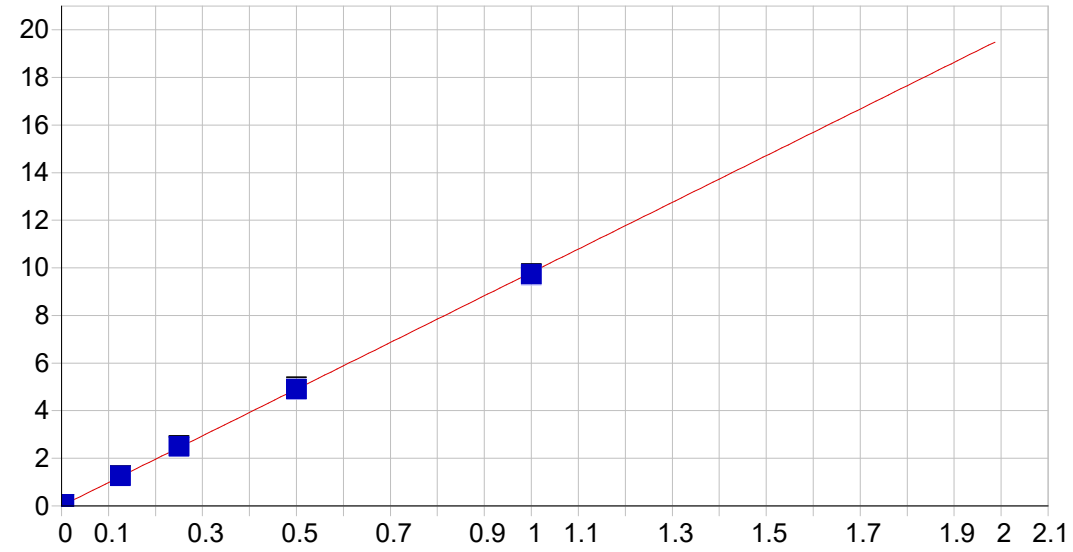
Ba 493.409 { 68}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.059957	Re-Slope:	1.000000
A1 (Gain):	4.291399	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999957	Status:	OK.
Std Error of Est:	0.004244		
Predicted MDL:	0.001517		
Predicted MQL:	0.005057		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.05997	.014	1
S1	.20000	.20102	.001	.512	.92263	.004	1
S2	2.5000	2.4644	-.036	-1.42	10.636	.006	1
S3	5.0000	4.9503	-.050	-.993	21.304	.056	1
S4	10.000	9.9119	-.088	-.881	42.596	.742	1
S5	20.000	20.172	.172	.861	86.627	.094	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



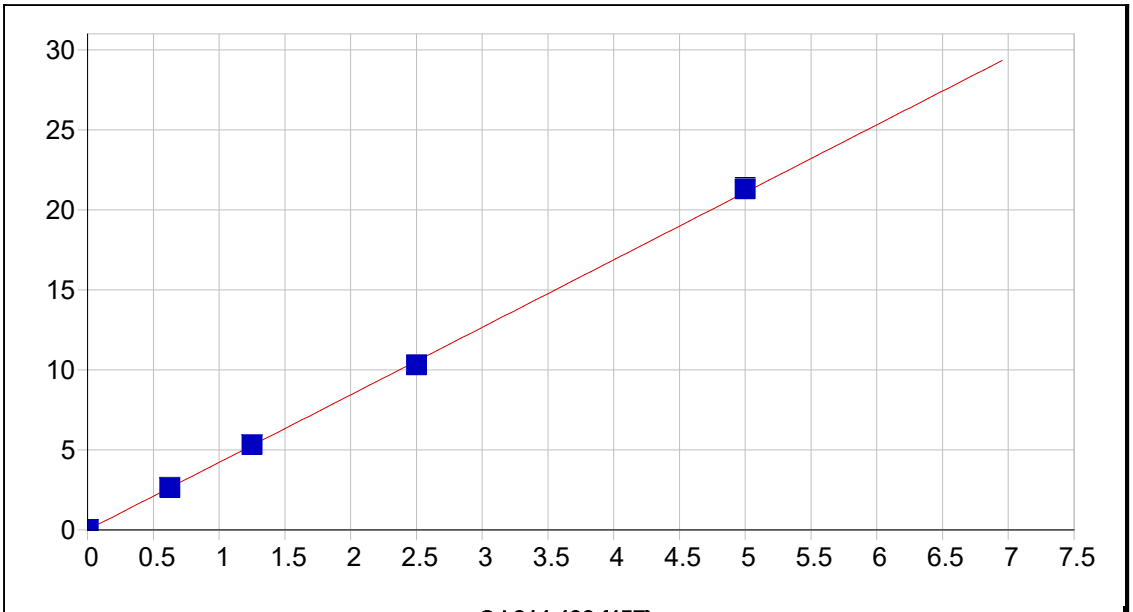
Be 234.861 {144}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001631	Re-Slope:	1.000000
A1 (Gain):	9.807787	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999925	Status:	OK.
Std Error of Est:	0.000450		
Predicted MDL:	0.000131		
Predicted MQL:	0.000437		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00163	.001	1
S1	.00500	.00525	.000	5.07	.05311	.000	1
S2	.12500	.12852	.004	2.82	1.2565	.009	1
S3	.25000	.25497	.005	1.99	2.4911	.031	1
S4	.50000	.49956	-.000	-.088	4.8787	.099	1
S5	1.0000	.99169	-.008	-.831	9.6829	.038	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



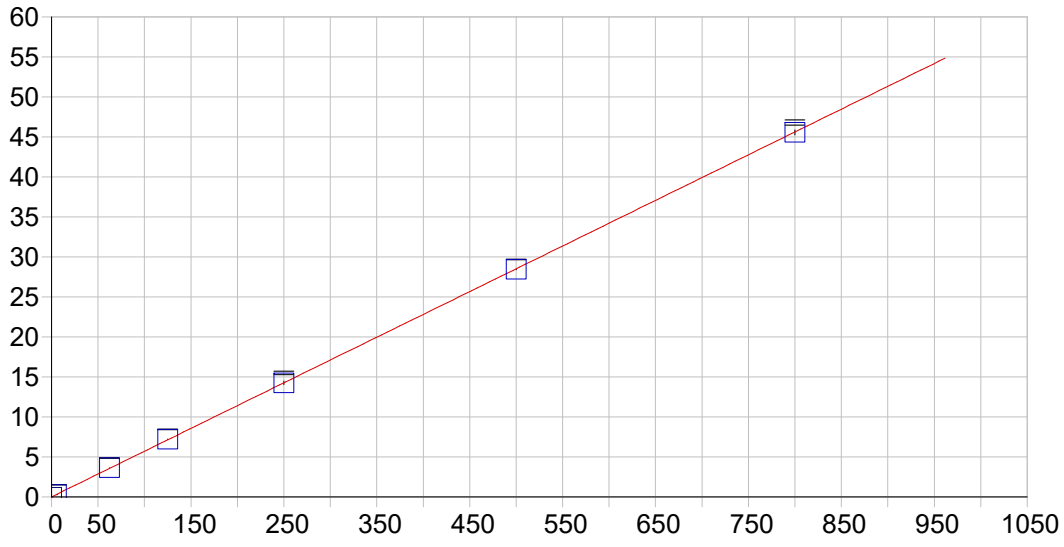
Cd 214.438 {457}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000638	Re-Slope:	1.000000
A1 (Gain):	4.219567	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999897	Status:	OK.
Std Error of Est:	0.000509		
Predicted MDL:	0.000118		
Predicted MQL:	0.000394		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00064	.000	1
S1	.00500	.00496	-.000	-.769	.02165	.001	1
S2	.62500	.62670	.002	.272	2.6491	.006	1
S3	1.2500	1.2615	.011	.919	5.3317	.010	1
S4	2.5000	2.4407	-.059	-2.37	10.316	.011	1
S5	5.0000	5.0461	.046	.923	21.326	.065	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



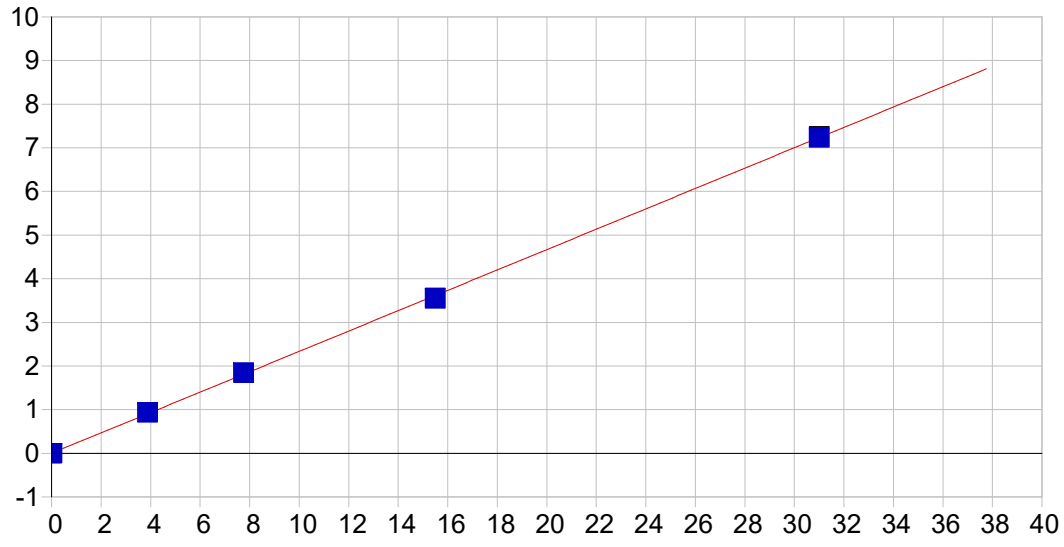
Ca 373.690 { 90}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.008027	Re-Slope:	1.000000
A1 (Gain):	0.057013	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999993	Status:	OK.
Std Error of Est:	0.000759		
Predicted MDL:	0.036050		
Predicted MQL:	0.120167		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00014	-.000	.000	.00802	.001	1
S1	5.0000	5.0495	.050	.991	.29592	.001	1
S2	62.500	63.377	.877	1.40	3.6213	.010	1
S3	125.00	126.08	1.08	.866	7.1963	.035	1
S4	250.00	249.84	-.159	-.063	14.252	.216	1
S5	500.00	498.92	-1.08	-.216	28.453	.037	1
S6	800.00	799.23	-.769	-.096	45.574	.315	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



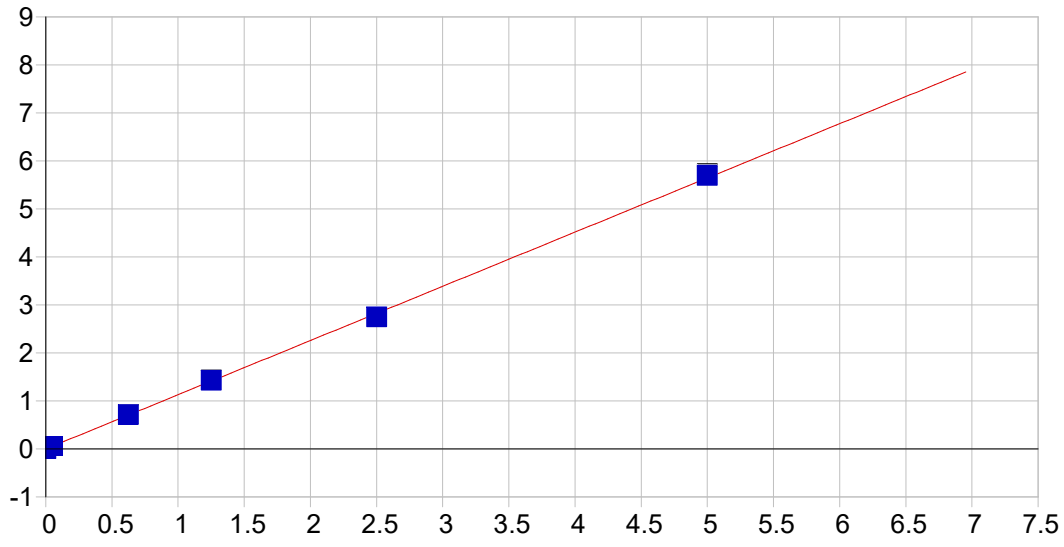
Cr 267.716 {126}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000231	Re-Slope:	1.000000
A1 (Gain):	0.233353	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999881	Status:	OK.
Std Error of Est:	0.000106		
Predicted MDL:	0.000934		
Predicted MQL:	0.003115		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00023	.000	1
S1	.01000	.00956	-.000	-4.40	.00246	.000	1
S2	3.8750	4.0070	.132	3.41	.93598	.002	1
S3	7.7500	7.9207	.171	2.20	1.8499	.002	1
S4	15.500	15.205	-.295	-1.90	3.5511	.005	1
S5	31.000	30.993	-.007	-.023	7.2381	.018	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



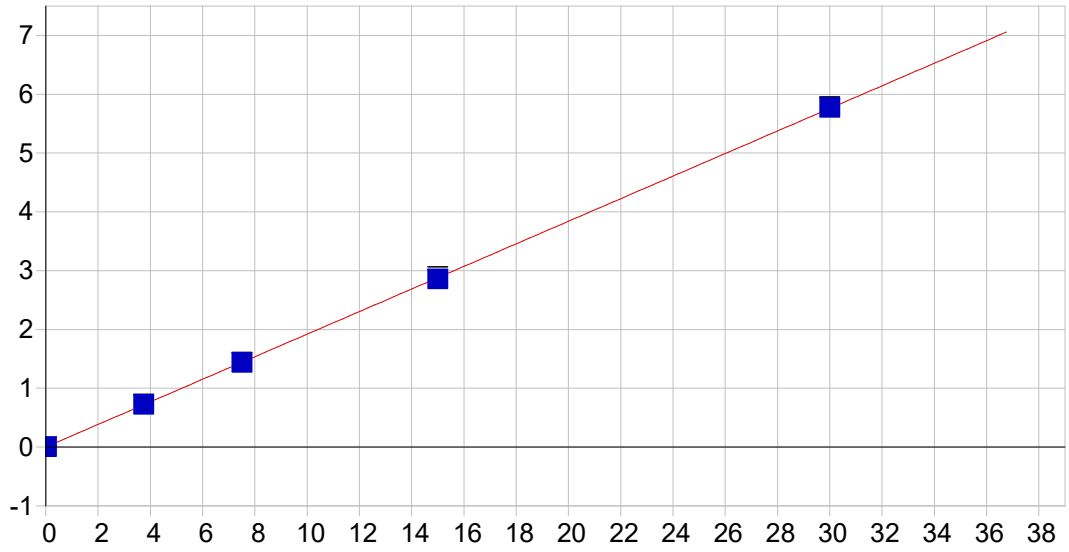
Co 228.616 {448}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000360	Re-Slope:	1.000000
A1 (Gain):	1.129159	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999875	Status:	OK.
Std Error of Est:	0.000476		
Predicted MDL:	0.000483		
Predicted MQL:	0.001611		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00036	.000	1
S1	.05000	.05108	.001	2.15	.05750	.001	1
S2	.62500	.63130	.006	1.01	.71475	.001	1
S3	1.2500	1.2642	.014	1.13	1.4316	.001	1
S4	2.5000	2.4342	-.066	-2.63	2.7573	.005	1
S5	5.0000	5.0443	.044	.886	5.7137	.022	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



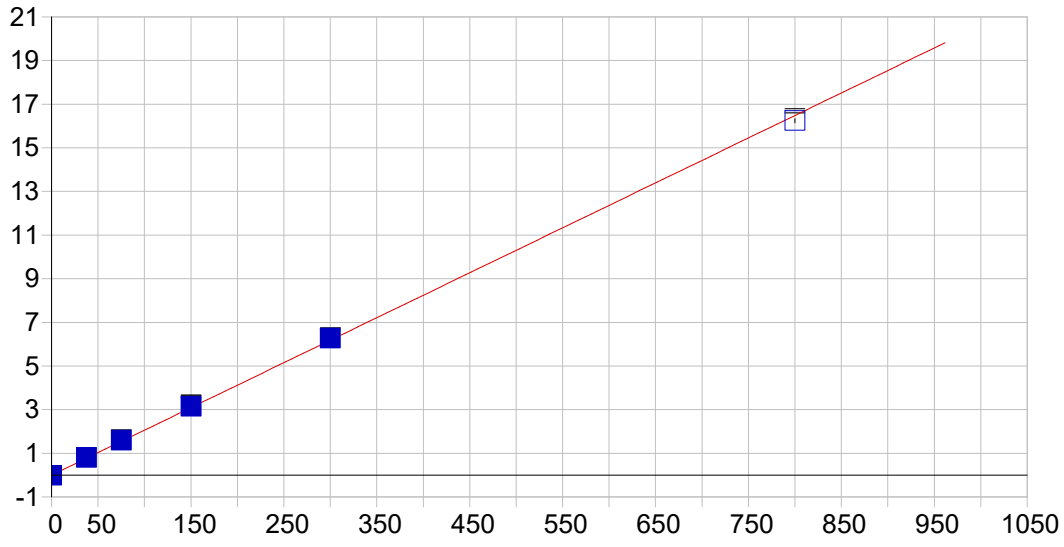
Cu 324.754 {104}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001468	Re-Slope:	1.000000
A1 (Gain):	0.191957	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999982	Status:	OK.
Std Error of Est:	0.000052		
Predicted MDL:	0.008087		
Predicted MQL:	0.026956		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00147	.002	1
S1	.02500	.02886	.004	15.4	.00700	.001	1
S2	3.7500	3.7833	.033	.888	.72761	.004	1
S3	7.5000	7.4874	-.013	-.168	1.4386	.004	1
S4	15.000	14.889	-.111	-.737	2.8593	.036	1
S5	30.000	30.086	.086	.287	5.7760	.012	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



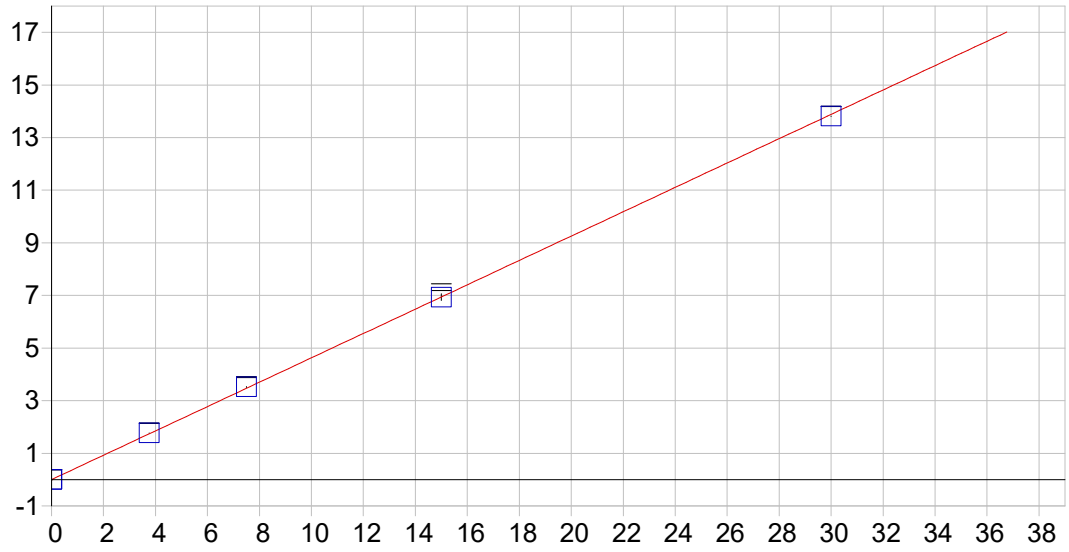
Fe 259.837 {130}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000159	Re-Slope:	1.000000
A1 (Gain):	0.020604	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999837	Status:	OK.
Std Error of Est:	0.000163		
Predicted MDL:	0.036143		
Predicted MQL:	0.120477		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00003	-.000	.000	-.00016	.001	1
S1	.10000	.12137	.021	21.4	.00234	.000	1
S2	37.500	38.887	1.39	3.70	.80125	.003	1
S3	75.000	77.537	2.54	3.38	1.5977	.006	1
S4	150.00	153.06	3.06	2.04	3.1543	.054	1
S5	300.00	304.63	4.63	1.54	6.2779	.012	1
S6	800.00	788.35	-11.6	-1.46	16.243	.095	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



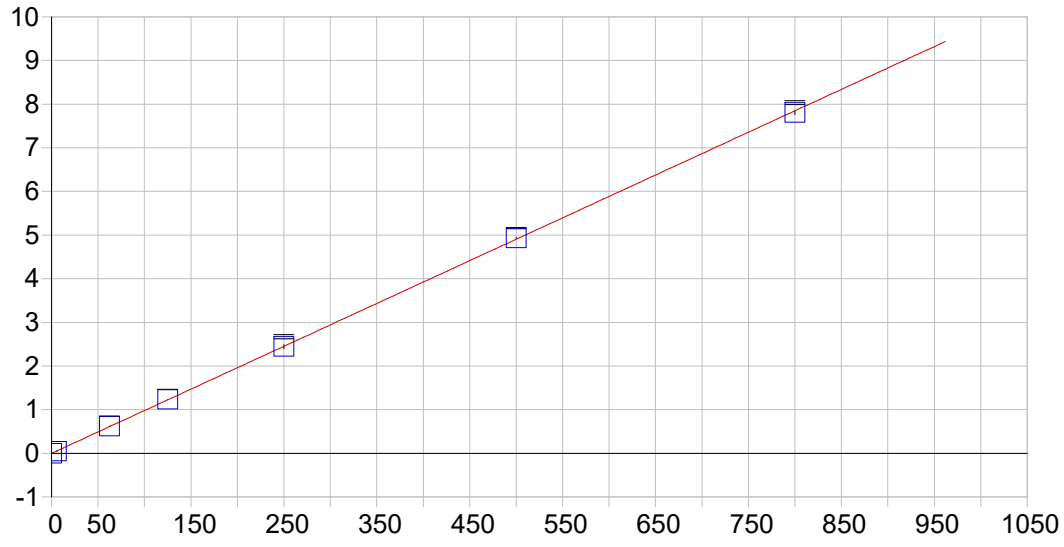
Mn 257.610 {131}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000226	Re-Slope:	1.000000
A1 (Gain):	0.462809	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999966	Status:	OK.
Std Error of Est:	0.000135		
Predicted MDL:	0.001420		
Predicted MQL:	0.004733		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00023	.000	1
S1	.01500	.01673	.002	11.5	.00797	.000	1
S2	3.7500	3.8189	.069	1.84	1.7676	.007	1
S3	7.5000	7.6060	.106	1.41	3.5204	.017	1
S4	15.000	14.980	-.020	-.134	6.9331	.130	1
S5	30.000	29.843	-.157	-.522	13.812	.007	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



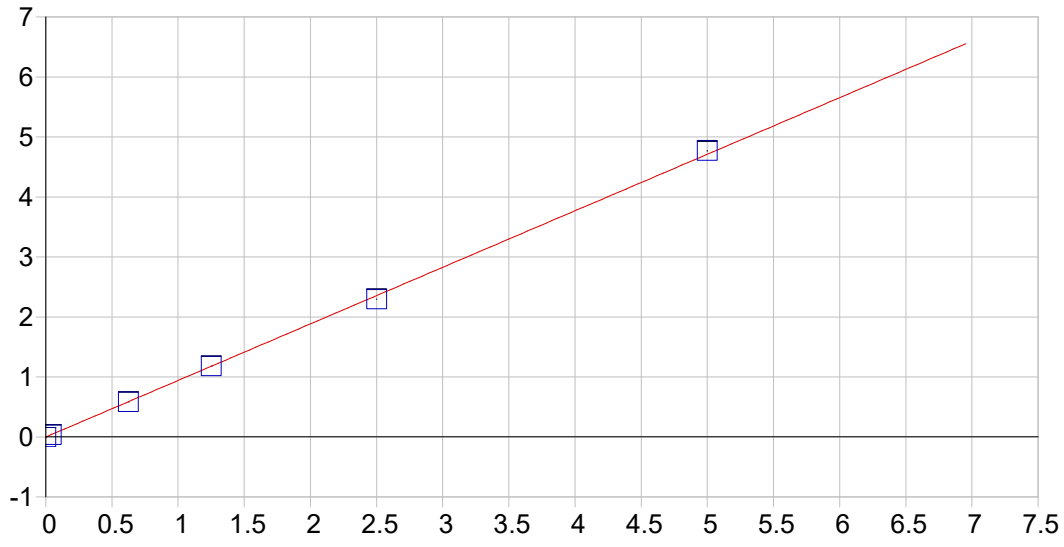
Mg 279.079 {121}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001515	Re-Slope:	1.000000
A1 (Gain):	0.009812	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999981	Status:	OK.
Std Error of Est:	0.000210		
Predicted MDL:	0.096315		
Predicted MQL:	0.321051		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00031	-.000	.000	-.00152	.000	1
S1	5.0000	5.2308	.231	4.62	.04981	.001	1
S2	62.500	63.176	.676	1.08	.61839	.001	1
S3	125.00	125.91	.906	.725	1.2339	.006	1
S4	250.00	249.38	-.620	-.248	2.4455	.048	1
S5	500.00	502.99	2.99	.598	4.9340	.014	1
S6	800.00	795.82	-4.18	-.523	7.8074	.041	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



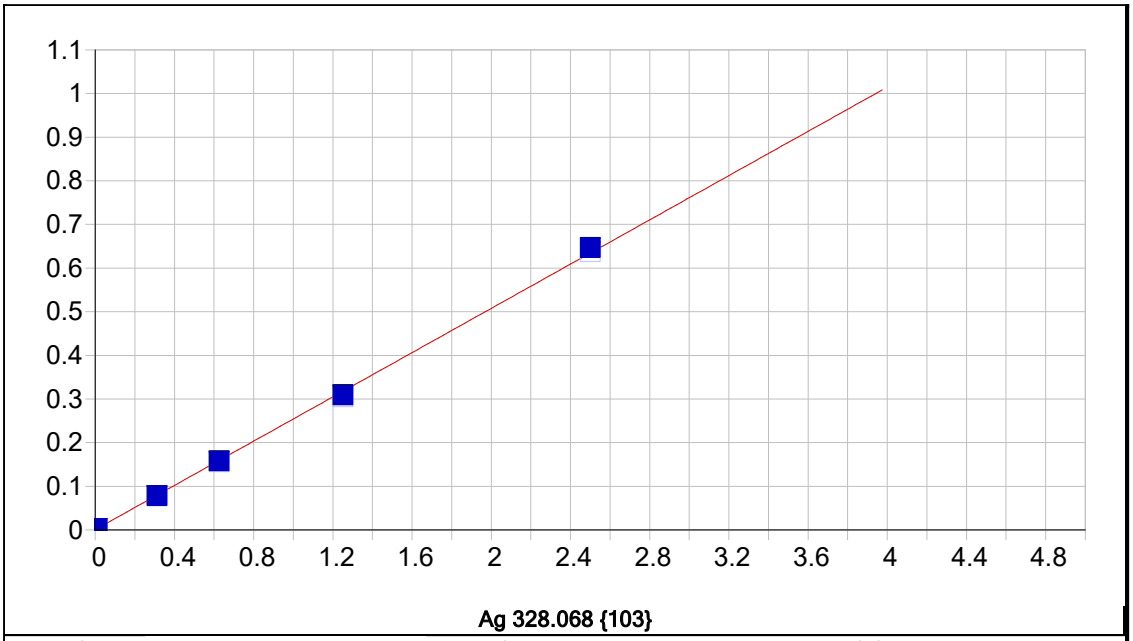
Ni 231.604 {446}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001258	Re-Slope:	1.000000
A1 (Gain):	0.942511	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999874	Status:	OK.
Std Error of Est:	0.000356		
Predicted MDL:	0.000650		
Predicted MQL:	0.002168		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00126	.001	1
S1	.04000	.04094	.001	2.35	.03733	.000	1
S2	.62500	.62074	-.004	-.682	.58379	.000	1
S3	1.2500	1.2550	.005	.404	1.1816	.001	1
S4	2.5000	2.4374	-.063	-2.50	2.2960	.003	1
S5	5.0000	5.0609	.061	1.22	4.7687	.009	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



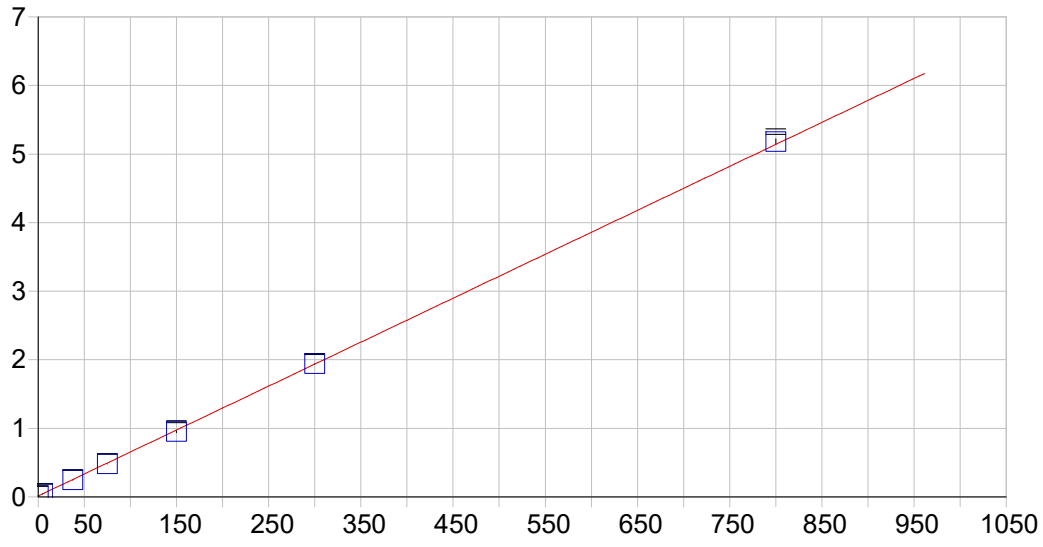
Ag 328.068 {103}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000720	Re-Slope:	1.000000
A1 (Gain):	0.253538	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999779	Status:	OK.
Std Error of Est:	0.000044		
Predicted MDL:	0.001501		
Predicted MQL:	0.005003		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00072	.000	1
S1	.01000	.00980	-.000	-2.03	.00320	.000	1
S2	.31250	.30606	-.006	-2.06	.07718	.000	1
S3	.62500	.61847	-.007	-1.05	.15524	.001	1
S4	1.2500	1.2160	-.034	-2.72	.30445	.001	1
S5	2.5000	2.5472	.047	1.89	.63740	.001	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



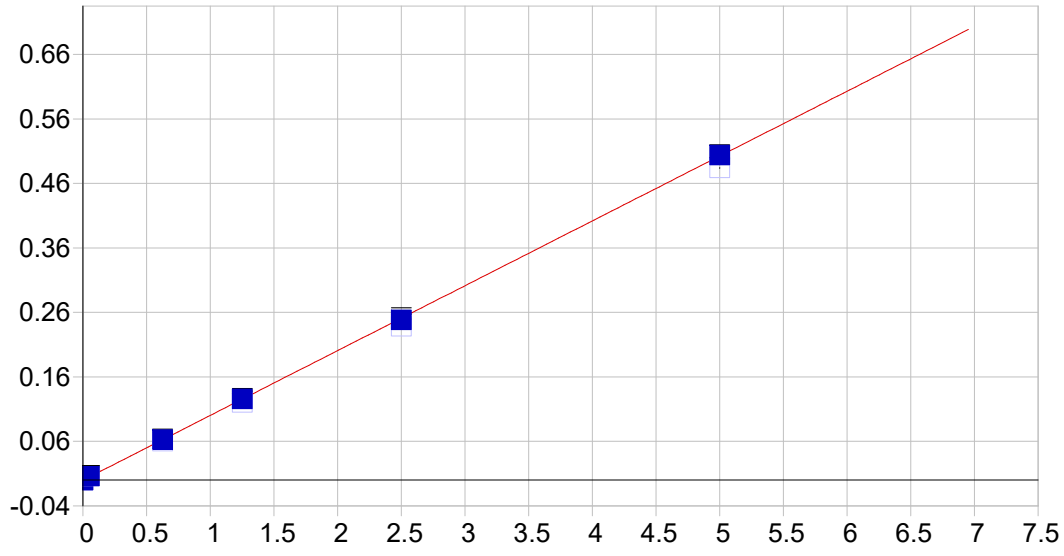
Na 818.326 { 41}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.014106	Re-Slope:	1.000000
A1 (Gain):	0.006408	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999918	Status:	OK.
Std Error of Est:	0.000254		
Predicted MDL:	0.802267		
Predicted MQL:	2.674224		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00037	.000	.000	.01411	.005	1
S1	5.0000	4.9699	-.030	-.602	.04596	.006	1
S2	37.500	36.499	-1.00	-2.67	.24801	.005	1
S3	75.000	73.037	-1.96	-2.62	.48216	.004	1
S4	150.00	146.22	-3.78	-2.52	.95112	.013	1
S5	300.00	300.43	.430	.143	1.9394	.005	1
S6	800.00	806.35	6.35	.793	5.1815	.040	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



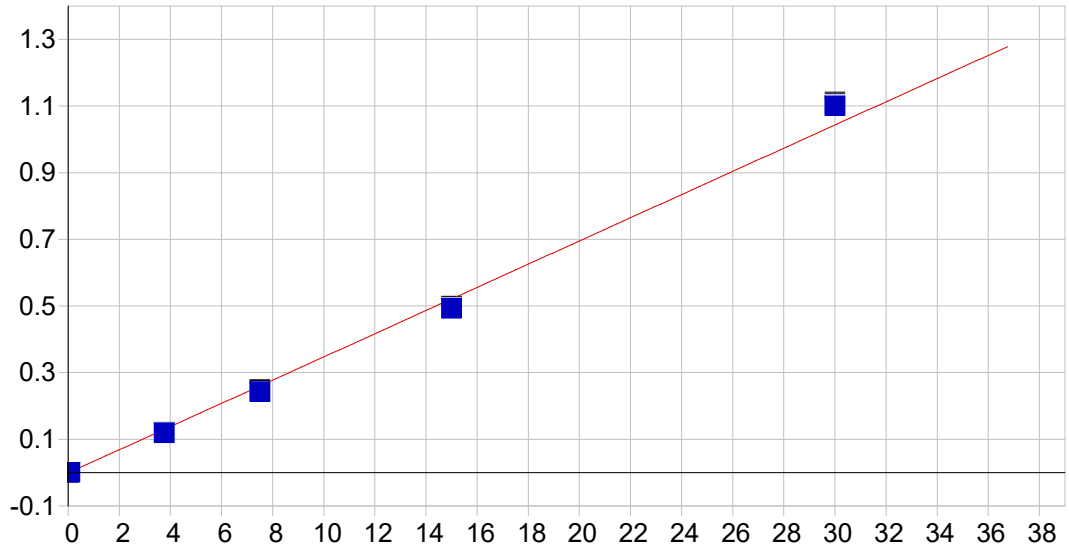
V 292.402 {115}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000210	Re-Slope:	1.000000
A1 (Gain):	0.100527	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999791	Status:	OK.
Std Error of Est:	0.000052		
Predicted MDL:	0.009268		
Predicted MQL:	0.030895		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	-.00021	.000	1
S1	.05000	.06274	.013	25.5	.00608	.001	1
S2	.62500	.62384	-.001	-.185	.05999	.001	1
S3	1.2500	1.2505	.000	.036	.12046	.001	1
S4	2.5000	2.4716	-.028	-1.14	.23818	.004	1
S5	5.0000	5.0159	.016	.318	.48388	.000	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



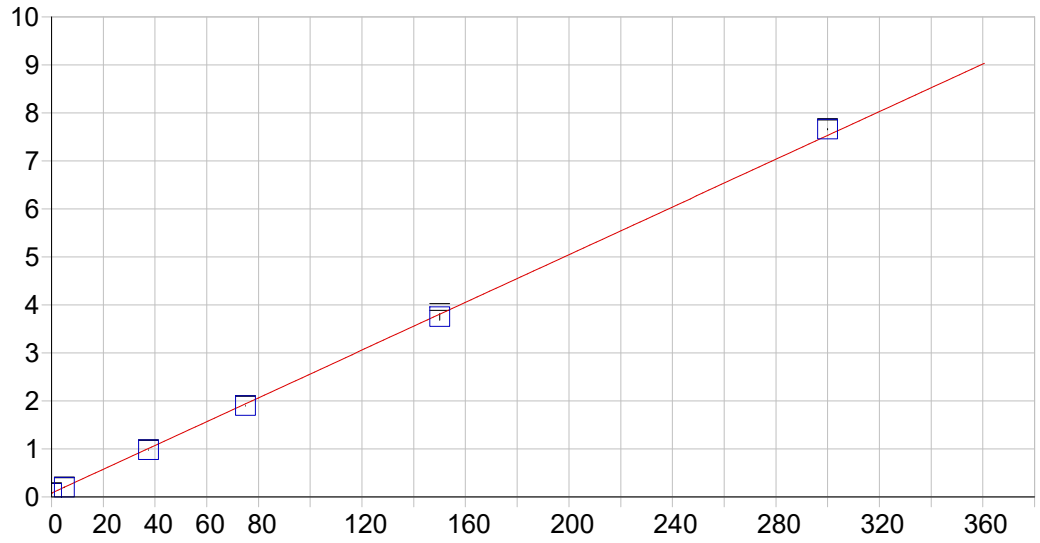
Zn 213.856 {158}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001112	Re-Slope:	1.000000
A1 (Gain):	0.034810	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998287	Status:	OK.
Std Error of Est:	0.000146		
Predicted MDL:	0.012124		
Predicted MQL:	0.040414		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00003	.000	.000	-.00111	.000	1
S1	.06000	.04210	-.018	-29.8	.00036	.001	1
S2	3.7500	3.4468	-.303	-8.08	.11951	.001	1
S3	7.5000	7.0070	-.493	-6.57	.24408	.004	1
S4	15.000	14.184	-.816	-5.44	.49517	.004	1
S5	30.000	31.630	1.63	5.43	1.1050	.007	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



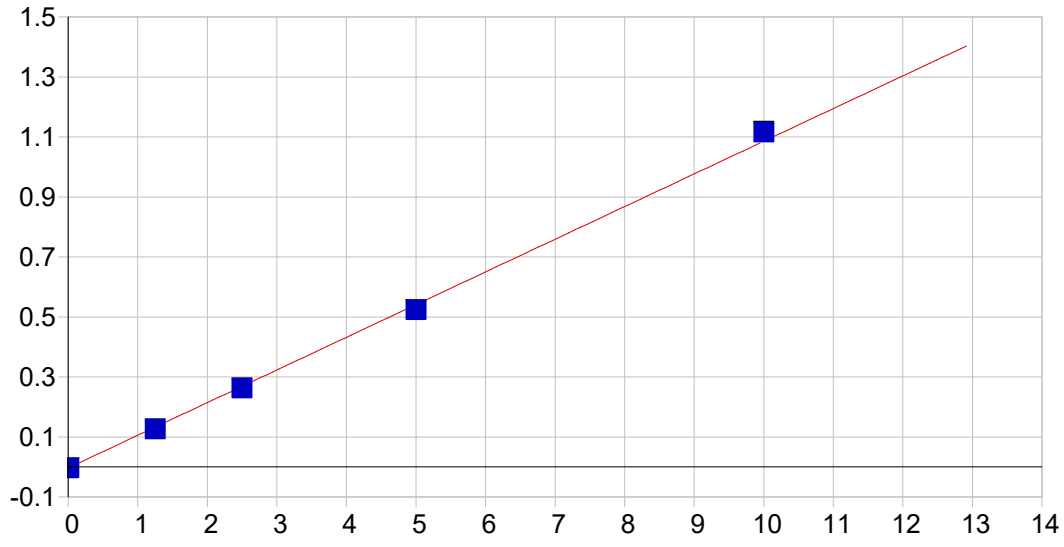
K 769.896 { 44}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.077346	Re-Slope:	1.000000
A1 (Gain):	0.024844	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999813	Status:	OK.
Std Error of Est:	0.000991		
Predicted MDL:	0.162277		
Predicted MQL:	0.540923		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00038	.000	.000	.07736	.006	1
S1	5.0000	4.8971	-.103	-2.06	.19901	.006	1
S2	37.500	36.211	-1.29	-3.44	.97697	.003	1
S3	75.000	73.238	-1.76	-2.35	1.8969	.006	1
S4	150.00	147.85	-2.15	-1.43	3.7506	.069	1
S5	300.00	305.30	5.30	1.77	7.6624	.013	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



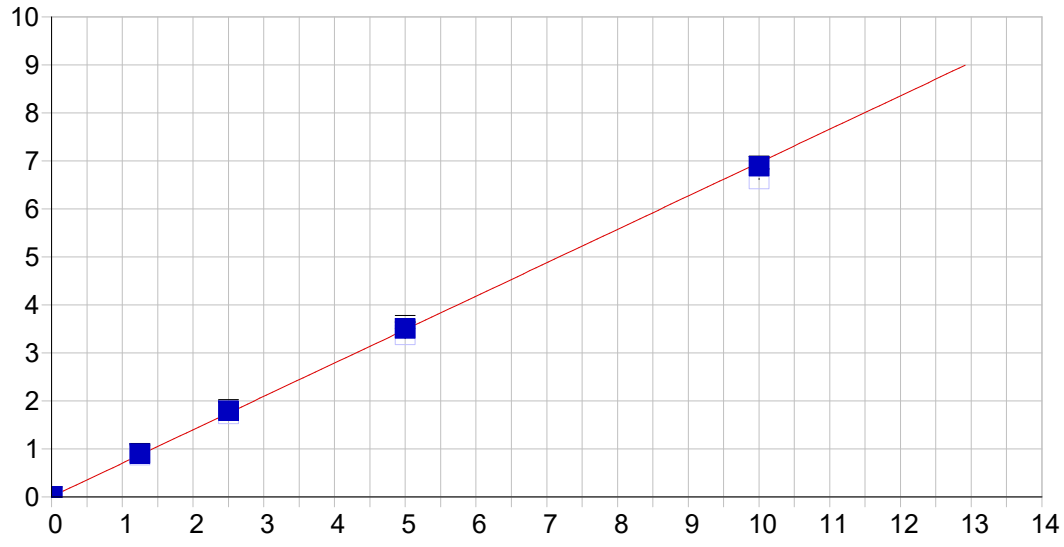
P 177.495 {490}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.003606	Re-Slope:	1.000000
A1 (Gain):	0.108914	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999540	Status:	OK.
Std Error of Est:	0.000055		
Predicted MDL:	0.002310		
Predicted MQL:	0.007699		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00361	.000	1
S1	.01000	.00967	-.000	-3.33	-.00255	.000	1
S2	1.2500	1.1873	-.063	-5.01	.12551	.000	1
S3	2.5000	2.4420	-.058	-2.32	.26197	.001	1
S4	5.0000	4.8424	-.158	-3.15	.52301	.001	1
S5	10.000	10.279	.279	2.79	1.1143	.004	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



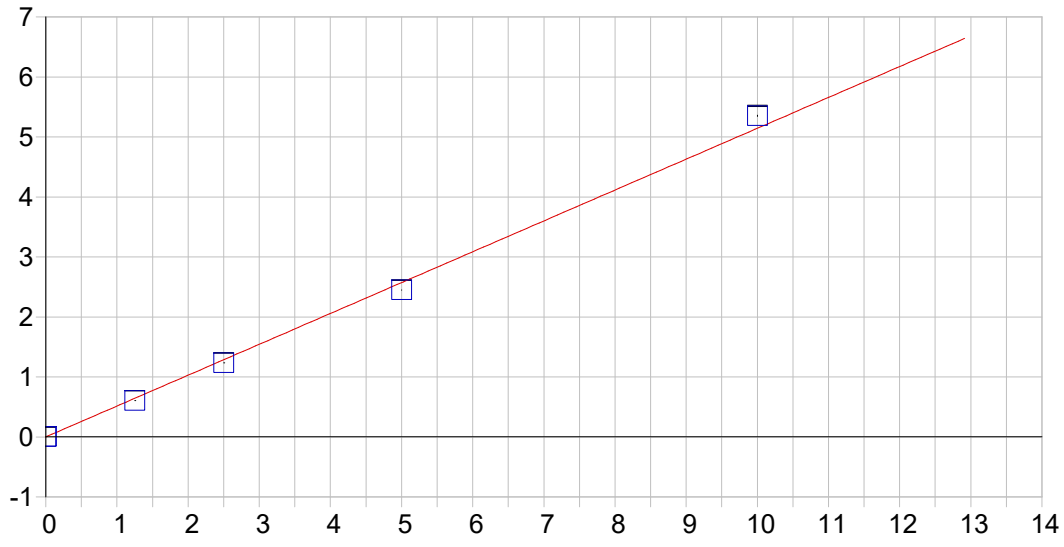
B 249.678 {135}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.006362	Re-Slope:	1.000000
A1 (Gain):	0.695827	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999482	Status:	OK.
Std Error of Est:	0.000361		
Predicted MDL:	0.002653		
Predicted MQL:	0.008845		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00637	.002	1
S1	.01000	-.00184	-.012	-118.	.00504	.002	1
S2	1.2500	1.2828	.033	2.63	.86591	.007	1
S3	2.5000	2.5651	.065	2.60	1.7251	.026	1
S4	5.0000	5.0263	.026	.527	3.3715	.068	1
S5	10.000	9.8880	-.112	-1.12	6.6221	.008	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



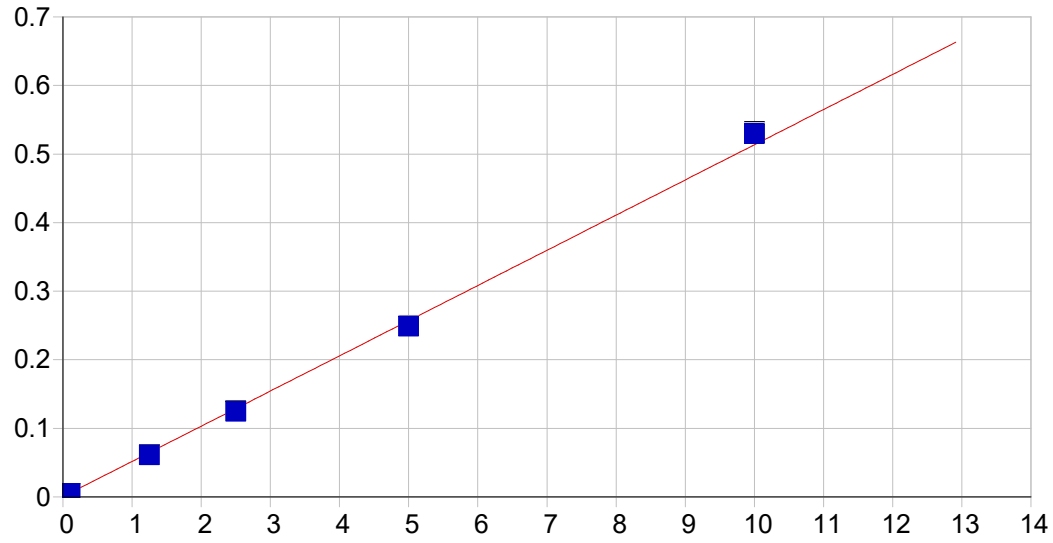
Mo 202.030 {467}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000060	Re-Slope:	1.000000
A1 (Gain):	0.514327	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999031	Status:	OK.
Std Error of Est:	0.000380		
Predicted MDL:	0.000669		
Predicted MQL:	0.002230		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00006	.000	1
S1	.01000	.01089	.001	8.95	.00566	.000	1
S2	1.2500	1.1787	-.071	-5.71	.60628	.000	1
S3	2.5000	2.4008	-.099	-3.97	1.2349	.002	1
S4	5.0000	4.7599	-.240	-4.80	2.4482	.002	1
S5	10.000	10.410	.410	4.10	5.3540	.011	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



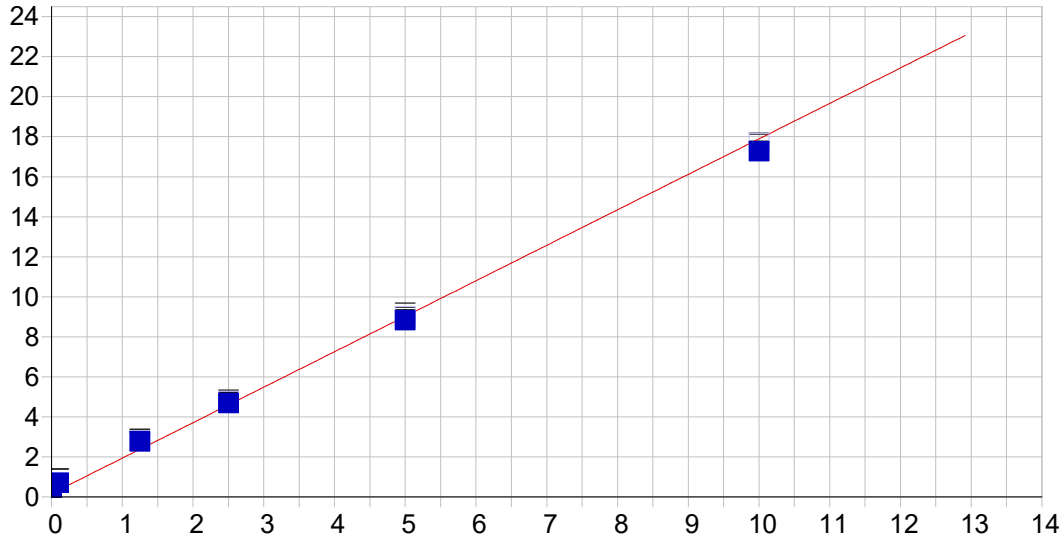
S 182.034 {485}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000493	Re-Slope:	1.000000
A1 (Gain):	0.051305	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999414	Status:	OK.
Std Error of Est:	0.000094		
Predicted MDL:	0.005236		
Predicted MQL:	0.017452		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00049	.000	1
S1	.10000	.09031	-.010	-9.69	.00513	.000	1
S2	1.2500	1.1800	-.070	-5.60	.06124	.000	1
S3	2.5000	2.4215	-.078	-3.14	.12514	.000	1
S4	5.0000	4.8424	-.158	-3.15	.24976	.000	1
S5	10.000	10.316	.316	3.16	.53139	.001	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



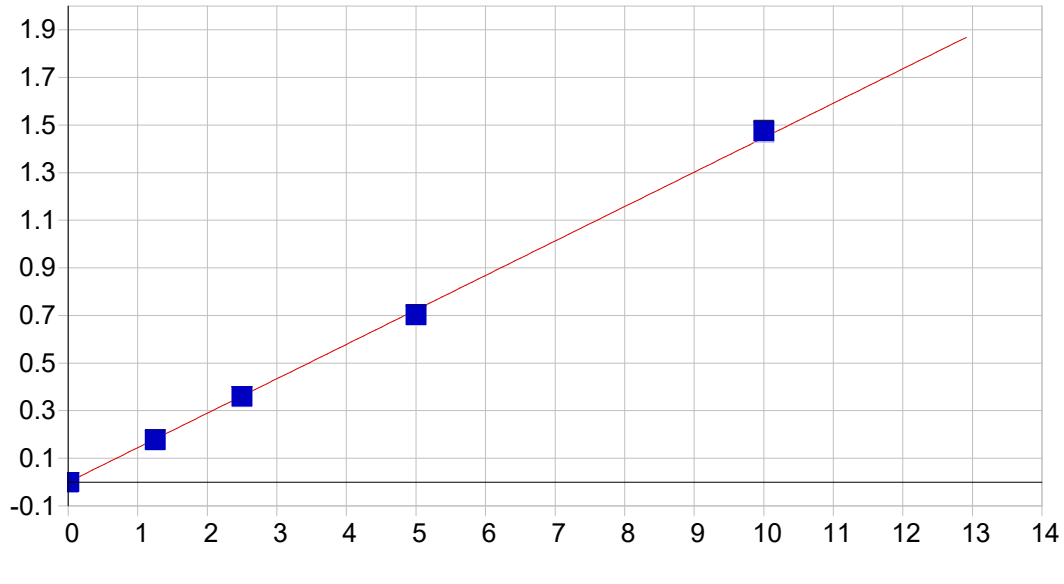
Si 251.611 {134}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.164857	Re-Slope:	1.000000
A1 (Gain):	1.772742	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.988066	Status:	OK.
Std Error of Est:	0.015018		
Predicted MDL:	0.000946		
Predicted MQL:	0.003154		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00022	-.000	.000	.16447	.003	1
S1	.10000	.30592	.206	206.	.70968	.194	1
S2	1.2500	1.4690	.219	17.5	2.8193	.079	1
S3	2.5000	2.5471	.047	1.88	4.7808	.064	1
S4	5.0000	4.8835	-.117	-2.33	9.0232	.167	1
S5	10.000	9.6462	-.354	-3.54	17.668	.027	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



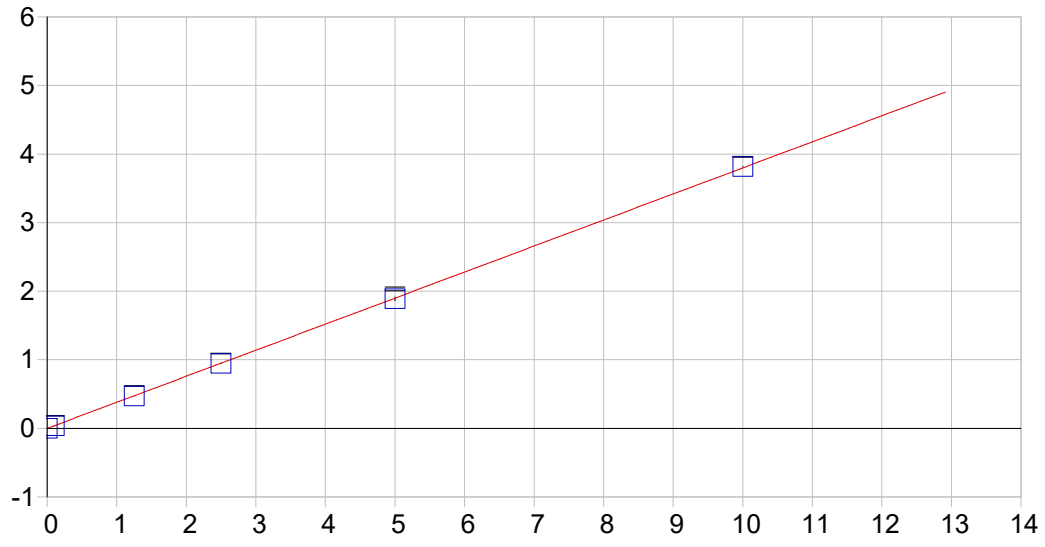
Sn 189.989 {478}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000003	Re-Slope:	1.000000
A1 (Gain):	0.144693	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999769	Status:	OK.
Std Error of Est:	0.000043		
Predicted MDL:	0.001676		
Predicted MQL:	0.005585		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00000	.000	1
S1	.00700	.00724	.000	3.47	.00101	.000	1
S2	1.2500	1.2245	-.025	-2.04	.17628	.001	1
S3	2.5000	2.4849	-.015	-.603	.35774	.000	1
S4	5.0000	4.8517	-.148	-2.97	.69839	.002	1
S5	10.000	10.189	.189	1.89	1.4670	.004	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



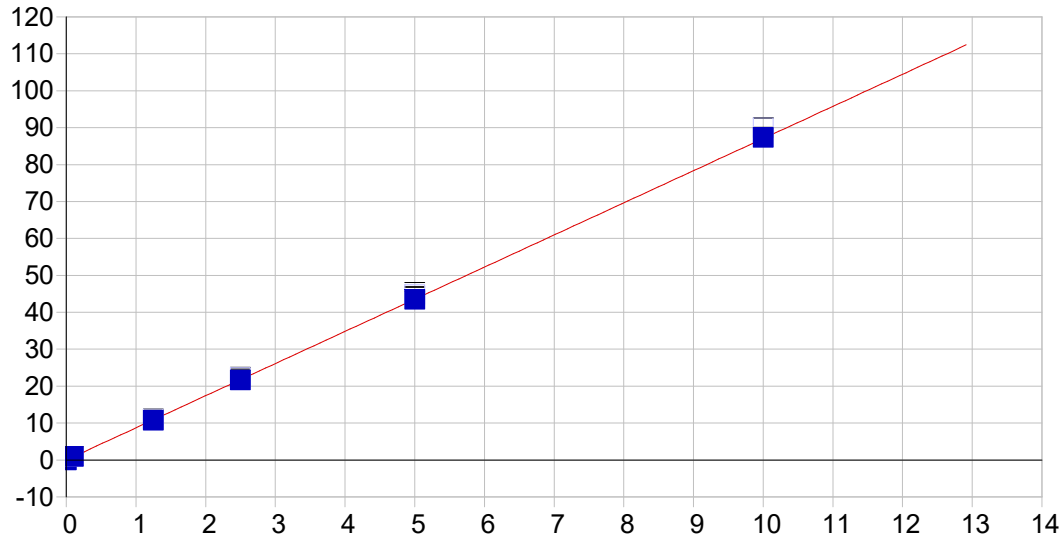
Ti 336.121 {100}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000042	Re-Slope:	1.000000
A1 (Gain):	0.379794	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999989	Status:	OK.
Std Error of Est:	0.000094		
Predicted MDL:	0.003669		
Predicted MQL:	0.012231		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00004	.002	1
S1	.10000	.09999	-.000	-.014	.03793	.001	1
S2	1.2500	1.2434	-.007	-.525	.47221	.002	1
S3	2.5000	2.4877	-.012	-.491	.94479	.005	1
S4	5.0000	4.9754	-.025	-.493	1.8896	.027	1
S5	10.000	10.043	.043	.435	3.8144	.005	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



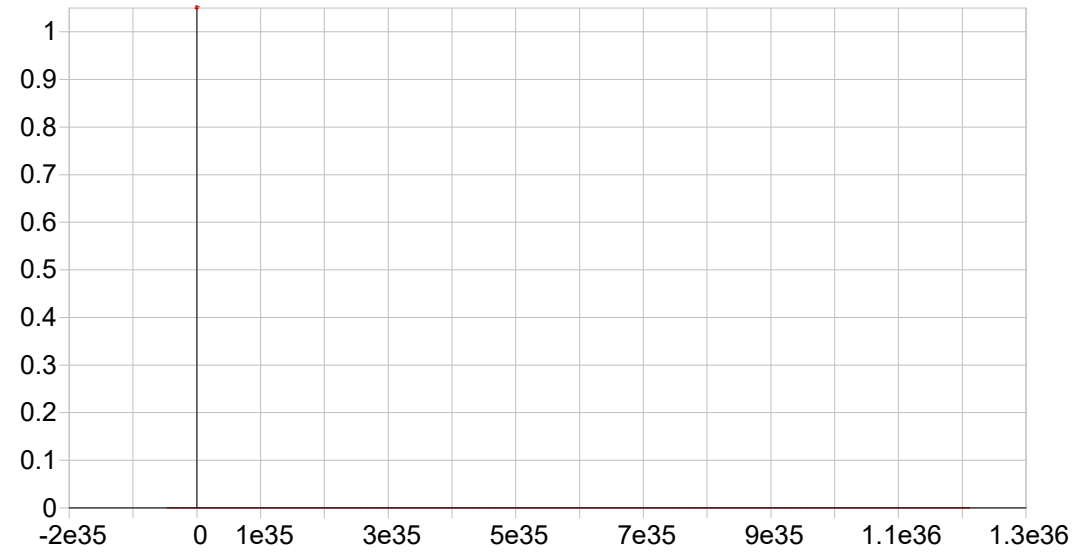
Sr 407.771 { 83}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.003722	Re-Slope:	1.000000
A1 (Gain):	8.705836	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999987	Status:	OK.
Std Error of Est:	0.002466		
Predicted MDL:	0.000269		
Predicted MQL:	0.000897		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00374	.001	1
S1	.10000	.10403	.004	4.03	.90284	.007	1
S2	1.2500	1.2331	-.017	-1.35	11.058	.041	1
S3	2.5000	2.4871	-.013	-.515	22.302	.084	1
S4	5.0000	4.9982	-.002	-.036	44.815	.548	1
S5	10.000	10.028	.028	.277	89.908	.078	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

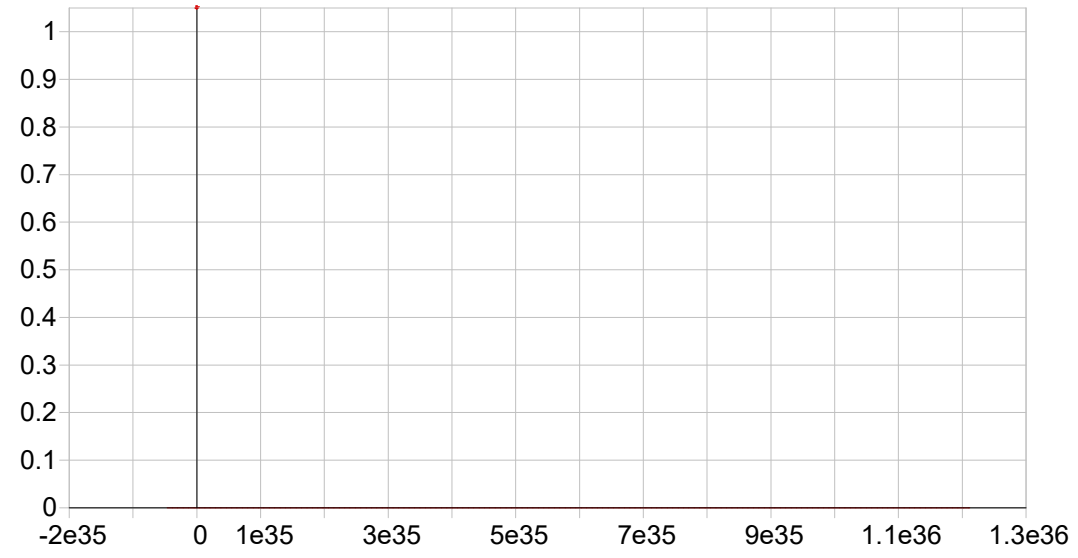


Y 224.306 {450}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	0.000000		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Y 360.073 { 94}*

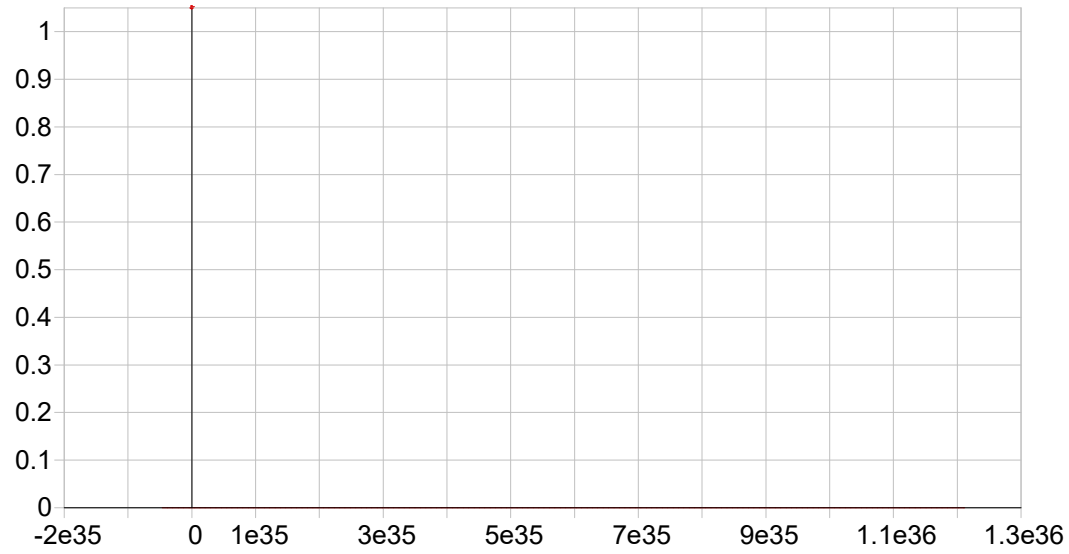
Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000	Status:	Warning	Zero Gain	
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



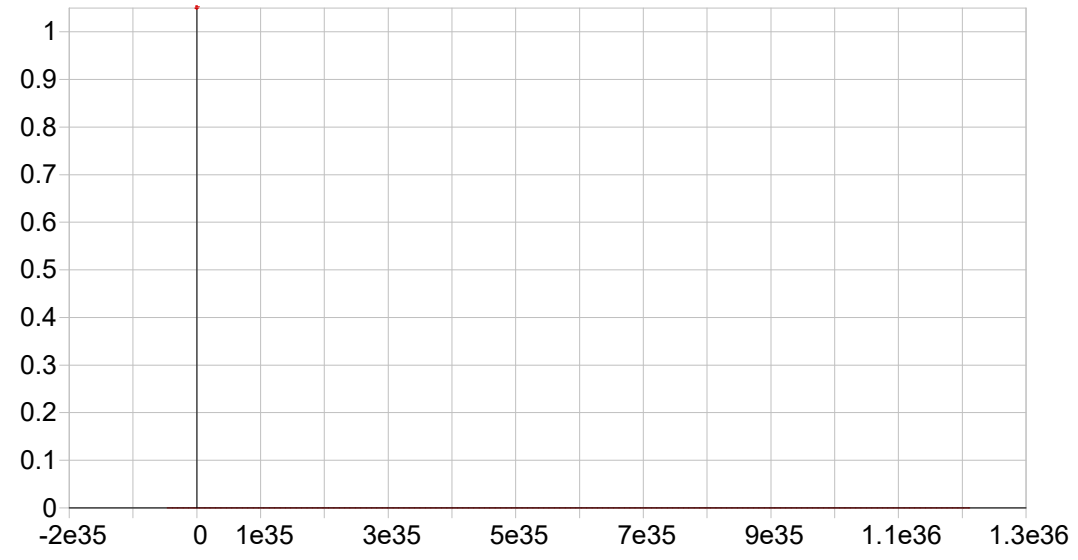
Y 371.030 { 91}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	0.000000		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

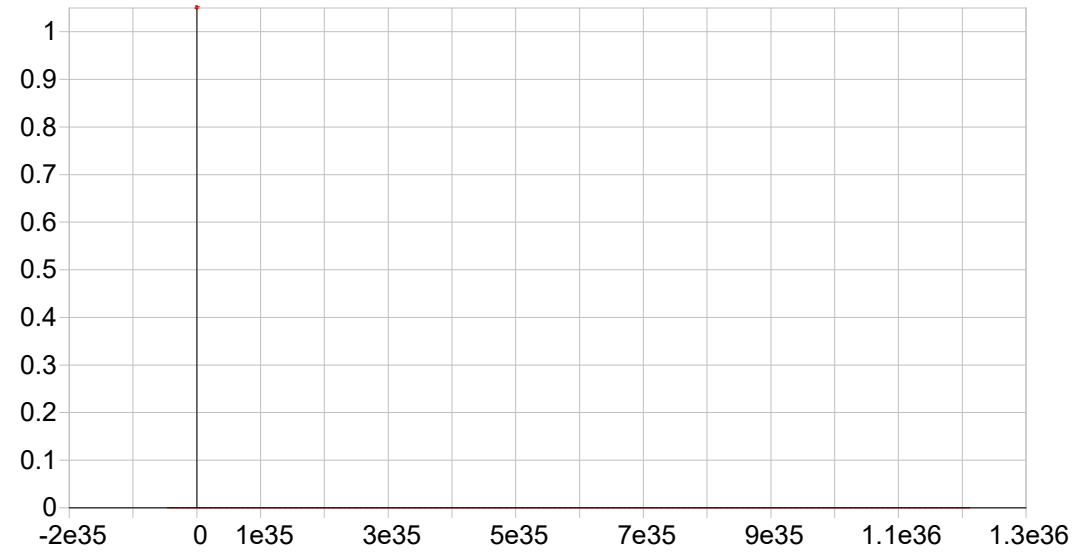
Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5



Y 224.306 {150}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



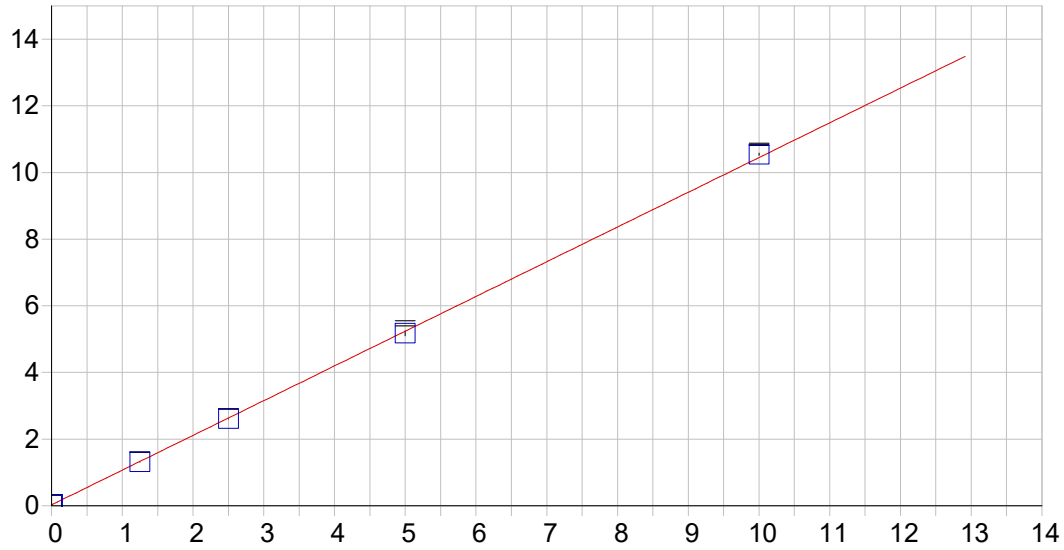
In 230.606 {446}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000	Status:	Warning	Zero Gain	
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Li 670.784 { 50}

Date of Fit:	12/23/2024 13:53:26	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.027254		Re-Slope:	1.000000	
A1 (Gain):	1.042196		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.999943	Status:	OK.		
Std Error of Est:	0.000229				
Predicted MDL:	0.004384				
Predicted MQL:	0.014613				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.02725	.004	1
S5	10.000	10.094	.094	.942	10.547	.033	1
S4	5.0000	4.9437	-.056	-1.13	5.1796	.078	1
S3	2.5000	2.4767	-.023	-.933	2.6084	.006	1
S2	1.2500	1.2337	-.016	-1.31	1.3130	.004	1
S1	.01500	.01673	.002	11.5	.04469	.003	1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: S0 Acquired: 12/23/2024 13:14:46 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.70768	-.00034	.00014	-.00025	.00016	-.00519	.05997	.00163
Stddev	.19001	.00029	.00063	.00019	.00032	.00177	.01352	.00112
%RSD	26.850	85.141	461.10	75.935	206.33	34.166	22.540	68.875
#1	.51993	-.00006	.00022	-.00026	-.00005	-.00562	.07097	.00166
#2	.89988	-.00032	.00071	-.00044	-.00001	-.00670	.06407	.00273
#3	.70324	-.00064	-.00053	-.00006	.00053	-.00324	.04488	.00049

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00064	.00802	.00023	-.00036	.00147	-.00016	.00023	-.00152
Stddev	.00024	.00084	.00028	.00028	.00189	.00079	.00028	.00026
%RSD	38.236	10.441	123.12	76.052	128.86	493.88	123.53	17.300
#1	.00090	.00830	.00023	-.00005	.00210	-.00031	.00051	-.00131
#2	.00041	.00868	.00052	-.00058	.00296	.00070	-.00004	-.00181
#3	.00060	.00708	-.00005	-.00046	-.00066	-.00086	.00020	-.00143

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00126	.00072	.01411	-.00021	-.00111	.07736	-.00361	.00637
Stddev	.00050	.00020	.00454	.00007	.00006	.00617	.00015	.00178
%RSD	39.834	27.169	32.194	35.390	5.0425	7.9755	4.0572	27.994
#1	-.00154	.00077	.00963	-.00030	-.00106	.07547	-.00344	.00445
#2	-.00155	.00050	.01871	-.00016	-.00117	.08425	-.00372	.00798
#3	-.00068	.00088	.01398	-.00018	-.00110	.07235	-.00366	.00667

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00006	.00049	.16447	.00000	-.00004	-.00374	.02725
Stddev	.00037	.00023	.00263	.00007	.00161	.00108	.00374
%RSD	615.56	46.421	1.6015	2062.3	3848.8	28.978	13.718
#1	.00018	.00036	.16470	.00003	.00039	-.00392	.02999
#2	-.00035	.00036	.16698	.00005	-.00183	-.00473	.02877
#3	.00035	.00076	.16172	-.00007	.00132	-.00258	.02299

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: S0 Acquired: 12/23/2024 13:14:46 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S0 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1973.1	25641.	2057.2	1695.9	1769.4
Stddev	1.7	420.	40.0	24.4	3.3
%RSD	.08470	1.6362	1.9451	1.4406	.18520
#1	1975.0	26075.	2073.7	1722.2	1765.6
#2	1971.9	25238.	2011.6	1673.9	1770.9
#3	1972.4	25610.	2086.4	1691.6	1771.5

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: S1 Acquired: 12/23/2024 13:18:52 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.5820	.00181	.00307	.00221	.00761	.02144	.92263	.05311
Stddev	.2244	.00010	.00075	.00040	.00007	.00265	.00446	.00047
%RSD	14.186	5.7191	24.336	17.979	.89782	12.346	.48377	.88778
#1	1.7598	.00187	.00292	.00242	.00767	.01903	.92440	.05341
#2	1.3298	.00186	.00241	.00175	.00754	.02102	.92593	.05257
#3	1.6564	.00169	.00388	.00247	.00763	.02427	.91755	.05336

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.02165	.29592	.00246	.05750	.00700	.00234	.00797	.04981
Stddev	.00054	.00136	.00020	.00103	.00109	.00031	.00021	.00107
%RSD	2.5035	.46022	8.0777	1.7839	15.619	13.229	2.6040	2.1558
#1	.02150	.29526	.00248	.05837	.00814	.00206	.00796	.04947
#2	.02226	.29500	.00226	.05637	.00689	.00267	.00776	.04895
#3	.02120	.29748	.00265	.05775	.00596	.00229	.00818	.05102

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.03733	.00320	.04596	.00608	.00036	.19901	-.00255	.00504
Stddev	.00019	.00026	.00557	.00102	.00052	.00569	.00008	.00183
%RSD	.51293	8.1318	12.125	16.756	144.49	2.8571	3.3172	36.217
#1	.03746	.00319	.05238	.00720	.00096	.20551	-.00261	.00655
#2	.03711	.00295	.04250	.00584	.00004	.19658	-.00245	.00301
#3	.03742	.00347	.04298	.00521	.00008	.19494	-.00258	.00557

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00566	.00513	.70968	.00101	.03793	.90284	.04469
Stddev	.00021	.00028	.19423	.00024	.00099	.00737	.00271
%RSD	3.7365	5.3727	27.368	24.063	2.6216	.81599	6.0705
#1	.00560	.00504	.60388	.00128	.03685	.91134	.04759
#2	.00549	.00490	.59133	.00094	.03815	.89870	.04221
#3	.00590	.00543	.93384	.00081	.03880	.89847	.04427

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: S1 Acquired: 12/23/2024 13:18:52 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S01 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1994.3	25796.	2073.0	1701.0	1804.2
Stddev	2.3	141.	21.0	7.1	2.0
%RSD	.11614	.54656	1.0121	.41528	.11158
#1	1995.1	25948.	2048.8	1708.7	1804.7
#2	1991.7	25670.	2084.1	1699.3	1802.0
#3	1996.2	25769.	2086.1	1694.9	1805.9

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: S2 Acquired: 12/23/2024 13:23:00 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	158.99	.10164	2.1475	.09002	.15981	4.5435	10.636	1.2565
Stddev	.37	.00032	.0028	.00028	.00055	.0064	.006	.0086
%RSD	.23046	.31539	.13124	.31178	.34300	.14045	.05518	.68764
#1	159.39	.10128	2.1460	.09034	.15920	4.5442	10.630	1.2579
#2	158.69	.10180	2.1456	.08981	.15996	4.5495	10.641	1.2644
#3	158.87	.10186	2.1507	.08992	.16027	4.5368	10.637	1.2473

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.6491	3.6213	.93598	.71475	.72761	.80125	1.7676	.61839
Stddev	.0060	.0103	.00165	.00127	.00378	.00255	.0074	.00058
%RSD	.22472	.28298	.17587	.17787	.51977	.31801	.42008	.09348
#1	2.6492	3.6234	.93787	.71414	.72559	.80337	1.7630	.61772
#2	2.6431	3.6304	.93488	.71389	.73198	.80196	1.7762	.61871
#3	2.6550	3.6102	.93518	.71621	.72528	.79842	1.7638	.61874

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.58379	.07718	.24801	.05999	.11951	.97697	.12551	.86591
Stddev	.00038	.00010	.00538	.00099	.00132	.00265	.00040	.00654
%RSD	.06489	.13203	2.1677	1.6422	1.1022	.27128	.32171	.75540
#1	.58423	.07715	.24468	.05951	.11938	.97990	.12510	.86834
#2	.58359	.07709	.24514	.06112	.11826	.97628	.12552	.87090
#3	.58356	.07729	.25421	.05933	.12089	.97473	.12591	.85851

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.60628	.06124	2.8193	.17628	.47221	11.058	1.3130
Stddev	.00011	.00028	.0787	.00067	.00222	.041	.0042
%RSD	.01876	.45521	2.7902	.38221	.47057	.36902	.32260
#1	.60640	.06154	2.8989	.17665	.47041	11.026	1.3090
#2	.60625	.06100	2.8175	.17550	.47469	11.104	1.3175
#3	.60618	.06118	2.7416	.17669	.47153	11.043	1.3125

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: S2 Acquired: 12/23/2024 13:23:00 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S02 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1942.5	25366.	2090.0	1658.5	1702.8
Stddev	.6	94.	8.9	15.3	3.3
%RSD	.03338	.37229	.42678	.92523	.19305
#1	1943.2	25320.	2083.9	1654.1	1704.0
#2	1941.9	25474.	2085.8	1675.5	1705.4
#3	1942.3	25302.	2100.2	1645.8	1699.1

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: S3 Acquired: 12/23/2024 13:26:51 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	315.81	.20508	4.3345	.18300	.32512	9.1077	21.304	2.4911
Stddev	.86	.00088	.0013	.00053	.00089	.0345	.056	.0315
%RSD	.27376	.42785	.03034	.29159	.27326	.37839	.26325	1.2643
#1	315.23	.20471	4.3330	.18273	.32492	9.1275	21.345	2.5272
#2	315.40	.20445	4.3348	.18265	.32434	9.0679	21.240	2.4693
#3	316.81	.20609	4.3356	.18361	.32609	9.1278	21.326	2.4768

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5.3317	7.1963	1.8499	1.4316	1.4386	1.5977	3.5204	1.2339
Stddev	.0104	.0349	.0019	.0014	.0044	.0062	.0166	.0055
%RSD	.19541	.48478	.10272	.09480	.30774	.38553	.47243	.44765
#1	5.3229	7.2193	1.8509	1.4321	1.4435	1.5997	3.5281	1.2368
#2	5.3289	7.1562	1.8512	1.4301	1.4351	1.5909	3.5013	1.2276
#3	5.3432	7.2136	1.8478	1.4327	1.4371	1.6027	3.5317	1.2374

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.1816	.15524	.48216	.12046	.24408	1.8969	.26197	1.7251
Stddev	.0013	.00061	.00355	.00127	.00407	.0060	.00065	.0261
%RSD	.11356	.39321	.73629	1.0509	1.6686	.31505	.24916	1.5135
#1	1.1801	.15491	.48506	.12178	.23946	1.8999	.26121	1.7552
#2	1.1820	.15595	.48322	.12033	.24715	1.8900	.26231	1.7099
#3	1.1827	.15487	.47820	.11926	.24562	1.9008	.26238	1.7101

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.2349	.12514	4.7808	.35774	.94479	22.302	2.6084
Stddev	.0022	.00018	.0638	.00041	.00514	.084	.0062
%RSD	.17641	.14180	1.3340	.11411	.54430	.37712	.23831
#1	1.2332	.12522	4.8544	.35786	.95057	22.390	2.6122
#2	1.2340	.12494	4.7431	.35729	.94305	22.222	2.6013
#3	1.2373	.12526	4.7449	.35808	.94074	22.293	2.6118

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: S3 Acquired: 12/23/2024 13:26:51 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S03 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1892.2	25131.	2092.8	1617.5	1650.8
Stddev	1.4	133.	15.7	10.9	1.0
%RSD	.07322	.53051	.74986	.67645	.05805
#1	1893.8	25257.	2074.7	1630.0	1650.1
#2	1891.1	24991.	2101.3	1610.1	1650.5
#3	1891.9	25146.	2102.4	1612.2	1651.9

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: S4 Acquired: 12/23/2024 13:30:38 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	612.29	.39682	8.4889	.35987	.64746	18.214	42.596	4.8787
Stddev	.38	.00066	.0103	.00104	.00151	.292	.742	.0992
%RSD	.06242	.16642	.12111	.28870	.23301	1.6027	1.7413	2.0330
#1	612.51	.39738	8.4947	.36104	.64597	18.417	43.137	4.9660
#2	611.85	.39698	8.4771	.35904	.64741	18.345	42.901	4.8993
#3	612.52	.39609	8.4950	.35955	.64899	17.880	41.751	4.7709

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	10.316	14.252	3.5511	2.7573	2.8593	3.1543	6.9331	2.4455
Stddev	.011	.216	.0051	.0055	.0360	.0544	.1298	.0475
%RSD	.10672	1.5159	.14407	.19861	1.2607	1.7237	1.8714	1.9425
#1	10.327	14.403	3.5483	2.7636	2.8801	3.1929	7.0322	2.4782
#2	10.305	14.349	3.5480	2.7534	2.8801	3.1779	6.9808	2.4673
#3	10.316	14.005	3.5570	2.7549	2.8176	3.0921	6.7862	2.3910

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.2960	.30445	.95112	.23818	.49517	3.7506	.52301	3.3715
Stddev	.0027	.00130	.01336	.00372	.00399	.0695	.00056	.0684
%RSD	.11915	.42771	1.4044	1.5621	.80573	1.8522	.10730	2.0284
#1	2.2990	.30546	.95979	.24022	.49402	3.8009	.52365	3.4209
#2	2.2936	.30298	.95783	.24043	.49188	3.7796	.52273	3.4002
#3	2.2956	.30492	.93574	.23389	.49961	3.6713	.52264	3.2935

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.4482	.24976	9.0232	.69839	1.8896	44.815	5.1796
Stddev	.0016	.00029	.1674	.00177	.0274	.548	.0777
%RSD	.06614	.11809	1.8549	.25346	1.4480	1.2234	1.5000
#1	2.4478	.25007	9.1503	.69980	1.9079	45.173	5.2234
#2	2.4468	.24948	9.0856	.69640	1.9026	45.089	5.2255
#3	2.4500	.24971	8.8336	.69897	1.8581	44.184	5.0899

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: S4 Acquired: 12/23/2024 13:30:38 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S04 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1840.7	25059.	2069.3	1564.5	1617.1
Stddev	1.1	19.	41.5	1.4	.4
%RSD	.06219	.07559	2.0037	.09139	.02169
#1	1842.0	25080.	2037.6	1566.1	1616.9
#2	1839.8	25044.	2054.2	1563.6	1617.5
#3	1840.2	25052.	2116.2	1563.8	1617.0

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: S5 Acquired: 12/23/2024 13:34:24 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1191.1	.81192	17.865	.76128	1.4187	37.356	86.627	9.6829
Stddev	2.7	.00198	.055	.00176	.0027	.034	.094	.0384
%RSD	.22715	.24340	.30602	.23065	.19361	.09097	.10811	.39675
#1	1189.7	.81146	17.832	.76107	1.4183	37.352	86.709	9.6835
#2	1194.2	.81021	17.835	.75964	1.4161	37.325	86.525	9.7210
#3	1189.4	.81408	17.928	.76313	1.4216	37.392	86.648	9.6441

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	21.326	28.453	7.2381	5.7137	5.7760	6.2779	13.812	4.9340
Stddev	.065	.037	.0179	.0220	.0116	.0117	.007	.0143
%RSD	.30403	.13090	.24678	.38437	.20035	.18647	.04965	.28965
#1	21.298	28.447	7.2357	5.7008	5.7646	6.2666	13.809	4.9261
#2	21.279	28.418	7.2216	5.7012	5.7757	6.2771	13.807	4.9255
#3	21.400	28.492	7.2571	5.7390	5.7877	6.2900	13.820	4.9505

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.7687	.63740	1.9394	.48388	1.1050	7.6624	1.1143	6.6221
Stddev	.0094	.00084	.0052	.00044	.0068	.0128	.0037	.0084
%RSD	.19647	.13236	.26806	.09192	.61653	.16680	.33344	.12630
#1	4.7638	.63758	1.9428	.48343	1.1024	7.6560	1.1142	6.6151
#2	4.7627	.63648	1.9334	.48432	1.0999	7.6540	1.1106	6.6197
#3	4.7795	.63814	1.9420	.48388	1.1128	7.6771	1.1180	6.6313

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5.3540	.53139	17.668	1.4670	3.8144	89.908	10.547
Stddev	.0106	.00141	.027	.0043	.0054	.078	.033
%RSD	.19809	.26491	.15534	.29500	.14160	.08658	.31474
#1	5.3570	.53101	17.681	1.4665	3.8133	89.880	10.561
#2	5.3423	.53022	17.685	1.4629	3.8097	89.847	10.510
#3	5.3629	.53295	17.636	1.4715	3.8203	89.996	10.571

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: S5 Acquired: 12/23/2024 13:34:24 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S05 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1634.7	23577.	2036.8	1373.0	1480.6
Stddev	7.0	32.	6.9	5.4	6.2
%RSD	.42581	.13406	.33647	.39292	.42003
#1	1631.9	23549.	2035.5	1369.6	1480.6
#2	1642.6	23611.	2030.6	1379.2	1486.8
#3	1629.5	23570.	2044.2	1370.2	1474.3

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: S6 Acquired: 12/23/2024 13:38:17 Type: Cal
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: IR Corr. Factor: 1.000000
User: Kareem Custom ID1: S06 Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Ca3736	Fe2598	Mg2790	Na8183
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	96.525	45.574	16.243	7.8074	5.1815
Stddev	.559	.315	.095	.0410	.0403
%RSD	.57887	.69185	.58431	.52533	.77686
#1	96.948	45.768	16.294	7.8359	5.2229
#2	95.892	45.210	16.134	7.7604	5.1425
#3	96.736	45.744	16.302	7.8259	5.1791

Int. Std.	Y_3710
Units	Cts/S
Avg	1999.3
Stddev	14.5
%RSD	.72647
#1	1983.3
#2	2011.7
#3	2003.0

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: ICV003 Acquired: 12/23/2024 13:56:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV003 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.096451	1.009504	.9904277	.9805424	.9066308	2.443882
Stddev	.005127	.004636	.0032467	.0029034	.0033667	.025575
%RSD	.4676347	.4592311	.3278049	.2960991	.3713419	1.046477
#1	1.095831	1.014729	.9927212	.9798775	.9029474	2.435952
#2	1.101861	1.007902	.9918492	.9780292	.9095491	2.423212
#3	1.091662	1.005881	.9867127	.9837206	.9073958	2.472483

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5206880	.5265912	.5121546	10.21306	.5547057	.5097208
Stddev	.0039120	.0046471	.0002879	.05874	.0013900	.0009832
%RSD	.7513106	.8824801	.0562055	.5751161	.2505833	.1928990
#1	.5192724	.5261751	.5119337	10.17669	.5554431	.5095012
#2	.5176810	.5221661	.5124802	10.18168	.5555716	.5107953
#3	.5251108	.5314323	.5120500	10.28082	.5531023	.5088660

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5028334	10.58304	.5318669	6.327666	.5215067	.2448318
Stddev	.0142278	.03737	.0072838	.218736	.0004380	.0013944
%RSD	2.829521	.3531366	1.369473	3.456821	.0839888	.5695332
#1	.5011987	10.54076	.5237633	6.147006	.5215685	.2435138
#2	.4894936	10.59672	.5339685	6.265134	.5219106	.2462917
#3	.5178079	10.61165	.5378688	6.570858	.5210411	.2446898

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.650437	.5109738	.9078910	F 8.866641	F .0027338	F .0016169
Stddev	.401675	.0016811	.0070661	.091244	.0008418	.0015939
%RSD	4.162245	.3290068	.7783022	1.029065	30.79337	98.58114
#1	10.08316	.5113681	.9159174	8.782866	.0034030	.0024636
#2	9.57866	.5124228	.9051480	8.963861	.0017886	.0026087
#3	9.28949	.5091306	.9026077	8.853196	.0030097	-.000222

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: ICV003 Acquired: 12/23/2024 13:56:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV003 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0009926	F .0055932	F -.012064	F .0014148	F .0003059	F -.009186
Stddev	.0006746	.0021417	.000981	.0020685	.0012174	.000113
%RSD	67.95988	38.29081	8.130862	146.2025	397.9983	1.227982
#1	.0015541	.0031306	-.011971	.0022120	.0016757	-.009073
#2	.0011794	.0070209	-.013088	.0029662	-.000105	-.009298
#3	.0002443	.0066280	-.011133	-.000934	-.000653	-.009186

Elem	Li6707
Units	ppm
Avg	F .0037256
Stddev	.0059965
%RSD	160.9541
#1	.0058862
#2	.0083423
#3	-.003052

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2029.388	26343.11	2140.188	1740.604	1822.592
Stddev	1.217	67.48	23.552	10.265	1.560
%RSD	.0599480	.2561403	1.100465	.5897588	.0856190
#1	2029.951	26418.49	2140.669	1740.891	1820.855
#2	2030.222	26288.36	2163.496	1750.722	1823.047
#3	2027.992	26322.48	2116.399	1730.198	1823.875

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: ICB003 Acquired: 12/23/2024 14:00:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB003 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.009027	-.001601	-.001366	.0048692	.0006039	.0370921	-.001654
Stddev	.008183	.000820	.001181	.0013263	.0021066	.0263886	.001975
%RSD	90.64624	51.24100	86.50156	27.23961	348.8074	71.14333	119.4467
#1	-.015267	-.002537	-.000033	.0047871	-.001803	.0488166	.000296
#2	.000237	-.001258	-.002285	.0035858	.001501	.0555868	-.001604
#3	-.012052	-.001008	-.001779	.0062346	.002113	.0068730	-.003654

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000002	-.000029	-.016150	-.000513	-.000190	-.003490	-.003411
Stddev	.000016	.000123	.037108	.000715	.000167	.010339	.058460
%RSD	686.6488	432.6773	229.7738	139.5119	87.68182	296.2715	1713.859
#1	-.000017	-.000077	-.019499	-.000879	-.000318	-.014298	-.068760
#2	.000015	.000112	-.051469	-.000971	-.000250	.006304	.014609
#3	-.000005	-.000120	.022519	.000312	-.000002	-.002475	.043917

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011009	-.001647	.0008901	-.000403	-.231366	-.004941	-.002365
Stddev	.0007370	.103436	.0003304	.001992	.184844	.003898	.009515
%RSD	66.94802	6279.909	37.11793	494.2401	79.89251	78.89524	402.3559
#1	.0004190	-.102843	.0005669	-.002354	-.426916	-.005804	.007280
#2	.0010008	.103892	.0008761	.001628	-.207669	-.000683	-.011744
#3	.0018828	-.005990	.0012272	-.000483	-.059513	-.008335	-.002630

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.490042	-.002035	-.000443	.0006349	-.006083	-.017388	.0000172
Stddev	.039956	.001447	.002643	.0003115	.006338	.000991	.0010353
%RSD	8.153624	71.07581	596.7517	49.06358	104.2011	5.699089	6022.351
#1	-.448229	-.001815	-.003235	.0009291	-.008127	-.018300	-.000420
#2	-.494059	-.003579	-.000115	.0003086	-.011147	-.016333	.001199
#3	-.527838	-.000711	.002021	.0006671	.001025	-.017530	-.000727

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: ICB003 Acquired: 12/23/2024 14:00:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB003 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0007898	.0002543	.0057534
Stddev	.0028597	.0000156	.0010639
%RSD	362.0821	6.129717	18.49102
#1	.0039038	.0002373	.0069385
#2	-.001719	.0002679	.0054412
#3	.000184	.0002576	.0048806

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2021.490	26277.58	2113.547	1737.924	1820.832
Stddev	1.896	91.96	4.502	5.628	2.351
%RSD	.0937862	.3499554	.2130264	.3238464	.1291343
#1	2019.376	26171.50	2109.568	1731.425	1819.942
#2	2022.054	26334.72	2118.434	1741.212	1823.499
#3	2023.040	26326.53	2112.640	1741.134	1819.056

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: ICSA003 Acquired: 12/23/2024 14:04:46 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA003 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001818	-.010812	.0055747	.0244191	.0238240	236.4366
Stddev	.001990	.004417	.0014368	.0078781	.0011857	.9851
%RSD	109.4270	40.85655	25.77368	32.26220	4.976829	.4166594
#1	-.003517	-.015680	.0051257	.0165621	.0249401	235.4856
#2	-.002309	-.007058	.0044160	.0323182	.0239527	237.4526
#3	.000371	-.009697	.0071824	.0243770	.0225793	236.3715

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028451	.0020196	.0010455	242.1648	.0521193	.0364007
Stddev	.0026461	.0001208	.0000499	1.2307	.0006230	.0003283
%RSD	93.00402	5.982478	4.769726	.5081931	1.195302	.9018821
#1	.0027269	.0018898	.0010579	241.2717	.0517763	.0362282
#2	.0002602	.0021288	.0010879	243.5686	.0528384	.0361947
#3	.0055484	.0020402	.0009905	241.6541	.0517432	.0367793

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001171	100.7543	.0123397	257.1051	.0038986	F .0128458
Stddev	.006184	.1511	.0014035	.8350	.0002715	.0007424
%RSD	528.2150	.1499542	11.37420	.3247538	6.964331	5.779052
#1	-.003578	100.5890	.0139189	256.1442	.0039558	.0130625
#2	.005855	100.8852	.0118654	257.6543	.0036031	.0134556
#3	-.005790	100.7888	.0112348	257.5167	.0041370	.0120191

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.84089	.0089735	-.016083	-.855043	-.001025	F -.011812
Stddev	.65846	.0158117	.002118	.131253	.001462	.003901
%RSD	35.76858	176.2040	13.16780	15.35046	142.7257	33.02341
#1	-2.17277	.0171335	-.018110	-.995124	-.002578	-.010715
#2	-1.08253	.0190383	-.013885	-.835106	-.000821	-.008578
#3	-2.26737	-.009251	-.016254	-.734899	.000325	-.016144

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: ICSA003 Acquired: 12/23/2024 14:04:46 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA003 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035359	.0200226	-.026184	F .0129833	-.004881	.0015312
Stddev	.0008416	.0010926	.000930	.0009306	.002391	.0006983
%RSD	23.80170	5.456612	3.552547	7.167600	48.97955	45.60576
#1	.0038233	.0188216	-.025751	.0130218	-.002560	.0018082
#2	.0025883	.0209575	-.025550	.0120341	-.004747	.0020484
#3	.0041962	.0202887	-.027252	.0138941	-.007336	.0007369

Elem	Li6707
Units	ppm
Avg	.0084396
Stddev	.0016651
%RSD	19.72960
#1	.0103596
#2	.0073926
#3	.0075665

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1929.079	24812.76	2093.846	1646.319	1647.136
Stddev	1.737	100.46	2.577	7.764	.803
%RSD	.0900649	.4048901	.1230788	.4716181	.0487221
#1	1931.046	24858.16	2093.584	1644.090	1648.062
#2	1927.754	24882.51	2096.545	1654.954	1646.650
#3	1928.437	24697.61	2091.411	1639.913	1646.694

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: ICSAB003 Acquired: 12/23/2024 14:08:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB003 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1073406	.0831045	.0572344	.0693546	.5832036	236.9457
Stddev	.0069085	.0101188	.0023294	.0035492	.0044597	2.2810
%RSD	6.436028	12.17602	4.069987	5.117508	.7646963	.9626512
#1	.1007915	.0823399	.0560167	.0671594	.5791173	238.7269
#2	.1145596	.0733897	.0599203	.0734493	.5879608	237.7354
#3	.1066707	.0935840	.0557662	.0674551	.5825328	234.3749

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5258380	.5251327	1.019382	242.5419	.5961679	.5307926
Stddev	.0049631	.0048217	.003271	2.5055	.0018312	.0020734
%RSD	.9438458	.9181903	.3208646	1.033031	.3071629	.3906261
#1	.5285457	.5283708	1.016827	244.2667	.5969659	.5292143
#2	.5288584	.5274360	1.018252	243.6910	.5974646	.5300226
#3	.5201100	.5195913	1.023068	239.6679	.5940731	.5331408

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4788955	101.3140	.5265784	258.1679	1.016280	.1927686
Stddev	.0042526	1.1393	.0073320	2.6874	.004354	.0009627
%RSD	.8879930	1.124525	1.392392	1.040942	.4284452	.4993890
#1	.4806117	102.0543	.5324628	259.7154	1.014028	.1937126
#2	.4820218	101.8857	.5289078	259.7234	1.013512	.1928049
#3	.4740530	100.0021	.5183647	255.0648	1.021298	.1917883

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.944968	.5172710	.9304637	-1.24301	-.002438	F -.011429
Stddev	.925273	.0113762	.0175196	.22769	.002183	.004662
%RSD	97.91576	2.199266	1.882886	18.31793	89.54633	40.79375
#1	-.387888	.5221363	.9343428	-1.17258	-.004937	-.013747
#2	-.433966	.5042713	.9457185	-1.05886	-.000904	-.006062
#3	-2.01305	.5254055	.9113296	-1.49760	-.001473	-.014479

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: ICSAB003 Acquired: 12/23/2024 14:08:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB003 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0042221	.0162405	-.029529	F .0130058	-.006371	.0013206
Stddev	.0015429	.0018697	.000671	.0033935	.001406	.0003761
%RSD	36.54334	11.51262	2.273004	26.09247	22.07108	28.48045
#1	.0024482	.0146393	-.028756	.0166358	-.005125	.0008904
#2	.0052518	.0157868	-.029865	.0124688	-.006092	.0015871
#3	.0049665	.0182952	-.029966	.0099128	-.007895	.0014843

Elem	Li6707
Units	ppm
Avg	.0071303
Stddev	.0013110
%RSD	18.38596
#1	.0080136
#2	.0056240
#3	.0077532

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1923.948	24876.11	2110.058	1648.195	1649.141
Stddev	6.458	91.79	12.560	7.017	6.484
%RSD	.3356581	.3690069	.5952391	.4257640	.3931609
#1	1929.337	24923.63	2104.831	1651.352	1655.745
#2	1925.718	24934.41	2100.957	1653.079	1648.893
#3	1916.790	24770.30	2124.388	1640.154	1642.784

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCV021 Acquired: 12/23/2024 14:12:44 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV021 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.034148	4.860599	24.94315	5.001554	4.953275	403.6886	10.16410
Stddev	.027446	.006987	.07643	.029779	.003855	4.5583	.10684
%RSD	.5451948	.1437556	.3064262	.5953896	.0778284	1.129150	1.051169
#1	5.064263	4.858332	24.87374	5.000786	4.957560	404.7458	10.20522
#2	5.010541	4.855026	24.93064	4.972166	4.950089	398.6946	10.04280
#3	5.027641	4.868438	25.02506	5.031709	4.952175	407.6253	10.24426

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5155738	2.503588	410.4360	15.79103	2.526658	15.21268	413.3318
Stddev	.0069292	.006451	4.2911	.04763	.007530	.18976	4.6911
%RSD	1.343973	.2576859	1.045510	.3016516	.2980340	1.247365	1.134956
#1	.5137668	2.499709	411.0921	15.84344	2.520650	15.24028	414.4449
#2	.5097272	2.500018	405.8546	15.75037	2.524218	15.01064	408.1843
#3	.5232275	2.511035	414.3614	15.77927	2.535106	15.38713	417.3663

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.06966	408.3939	2.533485	1.331584	404.7655	2.533295	15.09754
Stddev	.15941	4.5774	.004572	.003985	4.2368	.009711	.11644
%RSD	1.057812	1.120819	.1804656	.2992772	1.046718	.3833256	.7712613
#1	15.09623	410.1387	2.532527	1.335637	406.7292	2.542490	15.21287
#2	14.89863	403.2008	2.529468	1.327671	399.9032	2.523140	15.09972
#3	15.21411	411.8423	2.538460	1.331445	407.6641	2.534256	14.98002

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	153.1964	5.043375	4.994342	4.916126	5.035171	4.936523	5.066555
Stddev	1.5133	.010945	.076278	.012741	.010884	.068101	.017358
%RSD	.9877856	.2170197	1.527284	.2591630	.2161681	1.379534	.3425956
#1	153.4537	5.038795	4.982612	4.920150	5.022996	4.919038	5.054688
#2	151.5711	5.035464	4.924609	4.901859	5.038558	4.878869	5.058500
#3	154.5646	5.055866	5.075806	4.926369	5.043960	5.011662	5.086477

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCV021 Acquired: 12/23/2024 14:12:44 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV021 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.055174	4.832406	5.113268
Stddev	.050991	.056893	.057730
%RSD	1.008689	1.177331	1.129021
#1	5.046159	4.825273	5.131326
#2	5.009291	4.779416	5.048668
#3	5.110071	4.892530	5.159810

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1757.337	23869.46	2053.477	1497.352	1533.736
Stddev	6.884	122.32	23.871	8.652	8.212
%RSD	.3917553	.5124659	1.162486	.5778446	.5354069
#1	1763.377	23730.69	2052.914	1489.283	1542.133
#2	1758.793	23916.07	2077.625	1496.284	1533.350
#3	1749.841	23961.63	2029.893	1506.488	1525.724

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCB021 Acquired: 12/23/2024 14:16:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB021 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003434	.0012033	.0036605	.0022437	-.000066	.0378423	-.000999
Stddev	.002379	.0027323	.0023915	.0047833	.002072	.0462896	.001053
%RSD	69.27000	227.0678	65.33412	213.1937	3161.328	122.3222	105.3644
#1	-.002070	-.001499	.0047063	.0057142	-.001379	.0020892	-.001494
#2	-.002051	.003965	.0053509	.0042296	.002323	.0901283	.000210
#3	-.006181	.001144	.0009241	-.003213	-.001141	.0213095	-.001713

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000053	-.000054	.0018350	.0003506	-.000032	.0083635	.0330278
Stddev	.000092	.000051	.0068233	.0002243	.000240	.0097983	.0279130
%RSD	174.7336	93.98517	371.8346	63.97844	746.8645	117.1554	84.51380
#1	-.000076	.000001	.0017088	.0005087	.000216	.0098373	.0335555
#2	-.000131	-.000064	.0087205	.0000939	-.000264	-.002088	.0048546
#3	.000049	-.000099	-.004924	.0004494	-.000048	.017341	.0606732

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015270	.1197950	.0009785	.0008450	-.110412	.0081163	-.007293
Stddev	.0012417	.0279895	.0002351	.0009903	.490852	.0045776	.007041
%RSD	81.31457	23.36450	24.02574	117.2027	444.5638	56.39959	96.54236
#1	.0009140	.1062140	.0012217	.0015421	-.040363	.0109801	-.015403
#2	.0007110	.1519839	.0009612	.0012814	-.632526	.0105320	-.002737
#3	.0029560	.1011870	.0007525	-.000289	.341652	.0028369	-.003739

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.497514	-.001293	.0126564	.0006421	-.001531	-.034101	.0016355
Stddev	.106479	.001161	.0002901	.0004300	.004945	.001152	.0013538
%RSD	21.40219	89.79830	2.292122	66.97069	323.0139	3.377829	82.77380
#1	-.401480	-.000179	.0129475	.0001496	.000647	-.033500	.0022749
#2	-.479040	-.001203	.0126544	.0008337	.001951	-.033374	.0025512
#3	-.612020	-.002495	.0123673	.0009430	-.007190	-.035429	.0000805

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCB021 Acquired: 12/23/2024 14:16:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB021 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	-.002682	.0003368	.0137388
Stddev	.002457	.0003157	.0049226
%RSD	91.62129	93.72576	35.83009
#1	-.000289	.0003768	.0141281
#2	-.002558	.0006306	.0184552
#3	-.005199	.0000031	.0086330

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2039.177	26411.95	2124.655	1747.132	1835.178
Stddev	6.115	166.23	26.214	6.429	4.564
%RSD	.2998608	.6293683	1.233788	.3680006	.2486739
#1	2036.919	26220.01	2114.761	1739.810	1836.437
#2	2046.100	26508.37	2104.828	1751.857	1838.981
#3	2034.513	26507.48	2154.376	1749.729	1830.117

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5033-04DLX2 Acquired: 12/23/2024 14:28:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK96 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0225509	.0015843	.0967704	.0108569	.0157128	27.98752	.4098541
Stddev	.0020264	.0048151	.0039473	.0046679	.0022530	.09991	.0010734
%RSD	8.985976	303.9283	4.079081	42.99461	14.33855	.3569716	.2619049
#1	.0202405	.0031102	.1002274	.0122511	.0145192	28.06200	.4107968
#2	.0233851	-.003809	.0976146	.0146689	.0183115	27.87399	.4086858
#3	.0240271	.005452	.0924693	.0056508	.0143077	28.02658	.4100797

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028621	.0015438	518.5643	.0452803	.0863384	.1030168	75.14285
Stddev	.0000973	.0000555	2.9479	.0008518	.0002785	.0143462	.33207
%RSD	3.399787	3.592972	.5684711	1.881137	.3225240	13.92607	.4419160
#1	.0029082	.0015262	520.8992	.0462589	.0862617	.0916435	75.42370
#2	.0027503	.0014993	515.2518	.0448764	.0861063	.0982728	74.77635
#3	.0029279	.0016060	519.5418	.0447056	.0866472	.1191341	75.22850

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.375428	85.12960	.0893618	.0022448	-1.45629	.0619682	.2544435
Stddev	.016630	.46639	.0008427	.0011614	.11314	.0031410	.0115419
%RSD	.4926813	.5478544	.9429967	51.73555	7.769249	5.068746	4.536140
#1	3.389644	84.94112	.0886647	.0009045	-1.58662	.0615064	.2653029
#2	3.357140	84.78695	.0891224	.0029542	-1.39894	.0590836	.2557049
#3	3.379499	85.66073	.0902983	.0028756	-1.38331	.0653145	.2423227

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.072825	2.918575	.0139432	.0045159	.8867764	4.970236	.0157657
Stddev	.173509	.006818	.0029766	.0004357	.0124083	.077247	.0008414
%RSD	5.646575	.2336007	21.34826	9.647462	1.399256	1.554197	5.336884
#1	3.074881	2.920230	.0135529	.0047274	.8898991	5.047162	.0150254
#2	2.898297	2.911081	.0170956	.0048054	.8731051	4.892672	.0166808
#3	3.245297	2.924412	.0111809	.0040148	.8973251	4.970874	.0155911

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5033-04DLX2 Acquired: 12/23/2024 14:28:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK96 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3927391	.3931578	.0727012
Stddev	.0069193	.0011924	.0019639
%RSD	1.761796	.3032739	2.701282
#1	.3963474	.3935260	.0706844
#2	.3847615	.3918248	.0728117
#3	.3971084	.3941227	.0746075

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2067.811	26933.92	2260.024	1771.166	1633.616
Stddev	5.926	207.25	26.236	16.888	4.490
%RSD	.2866022	.7694621	1.160865	.9534794	.2748446
#1	2061.296	26946.58	2232.075	1772.105	1628.439
#2	2072.883	26720.64	2284.121	1753.829	1635.967
#3	2069.254	27134.55	2263.877	1787.565	1636.443

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5033-12DLX2 Acquired: 12/23/2024 14:32:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKA2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0685572	-.007129	.3279795	.0247713	.0228690	40.27653	.5503356
Stddev	.0024173	.003066	.0027664	.0012352	.0015264	.18870	.0026067
%RSD	3.525982	43.00628	.8434687	4.986572	6.674709	.4685138	.4736558
#1	.0695690	-.008162	.3281848	.0246228	.0242659	40.13950	.5476945
#2	.0703042	-.009544	.3306375	.0260740	.0231014	40.49176	.5529065
#3	.0657984	-.003680	.3251161	.0236169	.0212397	40.19834	.5504058

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043265	.0034828	485.2011	.0718956	.0922161	4.972718	104.4086
Stddev	.0001382	.0000279	1.8880	.0007118	.0006207	.022594	.5301
%RSD	3.195107	.7998045	.3891209	.9900394	.6731489	.4543660	.5076793
#1	.0041753	.0034519	483.3545	.0710738	.0916216	4.946804	103.9214
#2	.0044464	.0034906	487.1280	.0723170	.0928602	4.988292	104.9730
#3	.0043578	.0035060	485.1209	.0722960	.0921665	4.983058	104.3315

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.632948	80.50361	.1082767	.0044035	-.833074	.0877204	1.614655
Stddev	.030613	.46196	.0013918	.0009811	.449729	.0045909	.026128
%RSD	.4615281	.5738351	1.285386	22.27928	53.98428	5.233588	1.618171
#1	6.613998	80.37664	.1071184	.0050511	-.313827	.0876500	1.643314
#2	6.668266	81.01578	.1078910	.0032747	-1.09928	.0923461	1.608490
#3	6.616582	80.11842	.1098206	.0048845	-1.08611	.0831651	1.592161

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.948969	3.591317	.0289138	.0034962	1.238999	5.290007	.0401240
Stddev	.059543	.014479	.0020456	.0003115	.004655	.019833	.0015784
%RSD	.8568560	.4031616	7.074859	8.909209	.3757200	.3749179	3.933899
#1	6.924454	3.575829	.0265733	.0037229	1.240827	5.278913	.0383538
#2	6.905597	3.604513	.0303599	.0031410	1.242463	5.278204	.0406335
#3	7.016856	3.593609	.0298083	.0036248	1.233708	5.312905	.0413848

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5033-12DLX2 Acquired: 12/23/2024 14:32:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKA2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4297152	.3487660	.0839816
Stddev	.0022779	.0007799	.0042315
%RSD	.5300873	.2236265	5.038620
#1	.4283641	.3481212	.0792208
#2	.4284364	.3485438	.0854097
#3	.4323451	.3496329	.0873143

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2175.155	28345.97	2378.325	1855.985	1655.674
Stddev	7.730	165.57	2.001	13.960	4.677
%RSD	.3553836	.5841216	.0841480	.7521438	.2824668
#1	2177.674	28210.65	2376.805	1844.238	1658.041
#2	2181.312	28296.65	2377.578	1852.300	1658.694
#3	2166.480	28530.59	2380.593	1871.418	1650.287

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5033-13DLX2 Acquired: 12/23/2024 14:36:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKA3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0170614	.0086901	.1110210	-.004688	.0114631	27.20762	.3449406
Stddev	.0026694	.0019361	.0032133	.001580	.0038816	.15917	.0030894
%RSD	15.64581	22.27964	2.894268	33.69923	33.86215	.5850138	.8956408
#1	.0154059	.0079394	.1106485	-.003979	.0117245	27.38523	.3484385
#2	.0156374	.0108891	.1080103	-.006498	.0074573	27.07789	.3437983
#3	.0201408	.0072417	.1144043	-.003587	.0152074	27.15972	.3425849

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030642	.0014239	593.5666	.0480336	.0741249	.1473819	64.21548
Stddev	.0002328	.0000959	2.3498	.0017720	.0006748	.0021805	.42670
%RSD	7.598406	6.737580	.3958820	3.689107	.9103957	1.479477	.6644747
#1	.0031586	.0013134	596.2646	.0462669	.0744958	.1457198	64.65024
#2	.0027990	.0014722	592.4673	.0498109	.0745328	.1465751	63.79733
#3	.0032350	.0014861	591.9679	.0480230	.0733459	.1498508	64.19889

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.188343	57.18041	.0708181	.0029453	-.609537	.0542027	.2813171
Stddev	.020175	.42621	.0008111	.0003769	.540099	.0064759	.0184335
%RSD	.6327814	.7453856	1.145347	12.79823	88.60807	11.94757	6.552569
#1	3.210695	57.67053	.0715681	.0027844	-1.17807	.0600855	.2873333
#2	3.182853	56.89670	.0709290	.0026755	-.54727	.0552590	.2959908
#3	3.171482	56.97400	.0699573	.0033760	-.10327	.0472636	.2606271

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.737038	1.798972	.0444419	.0030749	1.209467	4.737006	.0152007
Stddev	.111546	.012552	.0004256	.0002749	.006838	.034029	.0003777
%RSD	1.655719	.6977531	.9576425	8.940638	.5654096	.7183560	2.484581
#1	6.614106	1.798860	.0447570	.0032188	1.205273	4.750888	.0149306
#2	6.831798	1.811580	.0439578	.0032481	1.217359	4.698231	.0150392
#3	6.765209	1.786476	.0446110	.0027579	1.205770	4.761900	.0156323

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5033-13DLX2 Acquired: 12/23/2024 14:36:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKA3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1428217	.4526459	.0639584
Stddev	.0026572	.0010219	.0046635
%RSD	1.860523	.2257704	7.291411
#1	.1426804	.4537068	.0586079
#2	.1455468	.4525628	.0671598
#3	.1402379	.4516680	.0661076

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2059.757	26897.91	2240.570	1764.765	1624.485
Stddev	7.384	85.02	9.672	11.027	7.548
%RSD	.3584653	.3160739	.4316841	.6248388	.4646519
#1	2053.291	26888.06	2231.324	1759.168	1617.385
#2	2058.177	26818.24	2250.619	1757.659	1623.656
#3	2067.802	26987.42	2239.767	1777.468	1632.413

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5034-03DLX2 Acquired: 12/23/2024 14:40:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKB6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0913763	-.015451	.3342841	.0587225	.0241963	43.46176	1.023358
Stddev	.0044129	.003258	.0014848	.0014166	.0010895	.05516	.002245
%RSD	4.829389	21.08776	.4441741	2.412298	4.502941	.1269146	.2193443
#1	.0951338	-.015517	.3334173	.0573751	.0247594	43.52374	1.024415
#2	.0865168	-.018675	.3334365	.0601993	.0248892	43.41804	1.020780
#3	.0924781	-.012160	.3359986	.0585930	.0229405	43.44351	1.024879

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040685	.0059184	122.8441	.0679909	.0968196	.1552627	122.1707
Stddev	.0001572	.0000784	.0105	.0010387	.0014970	.0045443	.3028
%RSD	3.863679	1.325380	.0085198	1.527731	1.546144	2.926830	.2478104
#1	.0042388	.0059194	122.8333	.0680584	.0951032	.1506666	122.2351
#2	.0040380	.0058395	122.8449	.0689942	.0978549	.1553682	121.8409
#3	.0039289	.0059963	122.8542	.0669201	.0975006	.1597533	122.4361

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.17656	47.68016	.1092877	.0077402	-.815263	.0989152	.4203638
Stddev	.02675	.33326	.0007741	.0010907	.503830	.0058982	.0112897
%RSD	.1471471	.6989541	.7083317	14.09088	61.79970	5.962930	2.685695
#1	18.17552	47.37241	.1097622	.0080656	-.283585	.0923786	.4207347
#2	18.15035	47.63397	.1083944	.0086311	-1.28563	.1005271	.4314635
#3	18.20381	48.03411	.1097064	.0065239	-.87657	.1038400	.4088933

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.321977	3.506004	.0068564	.0058242	1.327975	6.685938	.0247767
Stddev	.091078	.020252	.0030702	.0006007	.012903	.039520	.0030377
%RSD	2.741690	.5776478	44.77896	10.31429	.9716606	.5910847	12.26046
#1	3.401966	3.485904	.0088213	.0062131	1.313717	6.715834	.0271278
#2	3.222851	3.505703	.0084294	.0061272	1.331362	6.641133	.0258556
#3	3.341113	3.526406	.0033184	.0051323	1.338848	6.700848	.0213468

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5034-03DLX2 Acquired: 12/23/2024 14:40:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKB6 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2260622	.0028587	.0490084
Stddev	.0036854	.0002350	.0031843
%RSD	1.630257	8.220947	6.497533
#1	.2231597	.0028719	.0526043
#2	.2248183	.0026174	.0478753
#3	.2302086	.0030868	.0465455

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2364.691	30717.03	2526.814	2027.673	1759.972
Stddev	10.631	148.15	18.743	13.781	10.524
%RSD	.4495663	.4823135	.7417806	.6796378	.5979589
#1	2375.413	30636.43	2507.484	2020.151	1770.188
#2	2364.505	30626.65	2544.910	2019.290	1760.564
#3	2354.154	30888.01	2528.047	2043.578	1749.165

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5034-04DLX2 Acquired: 12/23/2024 14:44:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKB6D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0949371	-.015931	.3331671	.0575795	.0228122	44.14331	1.035129
Stddev	.0089612	.001231	.0001360	.0012995	.0037237	.16217	.001652
%RSD	9.439047	7.728332	.0408068	2.256861	16.32325	.3673652	.1596219
#1	.0979759	-.017185	.3330277	.0590540	.0205683	44.11291	1.033412
#2	.1019837	-.015882	.3332994	.0566013	.0271105	44.31853	1.036709
#3	.0848517	-.014725	.3331741	.0570832	.0207576	43.99849	1.035265

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040808	.0058577	123.6537	.0681909	.0970610	.1516273	123.5096
Stddev	.0000473	.0001092	.5156	.0008108	.0003779	.0024672	.5012
%RSD	1.157931	1.863801	.4169534	1.188999	.3893069	1.627123	.4058359
#1	.0040619	.0059216	123.5345	.0685584	.0974434	.1539265	123.3657
#2	.0041345	.0057316	124.2185	.0672614	.0966879	.1519346	124.0671
#3	.0040459	.0059199	123.2083	.0687528	.0970518	.1490210	123.0961

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.36340	48.11956	.1095808	.0068832	-1.09421	.0980086	.3964953
Stddev	.07764	.19554	.0010852	.0020425	.21900	.0076312	.0056487
%RSD	.4227876	.4063525	.9903154	29.67443	20.01432	7.786296	1.424666
#1	18.33302	48.13184	.1108326	.0061075	-.91241	.1027065	.3901238
#2	18.45163	48.30866	.1089058	.0091999	-1.03288	.0892034	.3984724
#3	18.30554	47.91817	.1090040	.0053421	-1.33733	.1021159	.4008897

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.283067	3.517788	.0123863	.0061984	1.324999	7.042350	.0223670
Stddev	.162526	.006957	.0014244	.0004509	.002103	.036295	.0029960
%RSD	4.950437	.1977727	11.49949	7.274362	.1587127	.5153772	13.39475
#1	3.095449	3.522064	.0140252	.0064955	1.326588	7.058704	.0192264
#2	3.373063	3.509760	.0114476	.0056796	1.322614	7.067589	.0226808
#3	3.380688	3.521540	.0116861	.0064202	1.325794	7.000755	.0251938

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5034-04DLX2 Acquired: 12/23/2024 14:44:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKB6D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2417732	.0026123	.0475375
Stddev	.0057566	.0002234	.0059253
%RSD	2.380992	8.553533	12.46451
#1	.2364273	.0024964	.0541340
#2	.2478673	.0024706	.0458126
#3	.2410249	.0028699	.0426661

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2333.127	30203.68	2475.487	2002.694	1738.367
Stddev	1.789	123.54	14.257	14.727	2.591
%RSD	.0766853	.4090364	.5759199	.7353577	.1490663
#1	2332.568	30260.58	2476.851	2000.128	1738.334
#2	2335.129	30061.94	2460.597	1989.419	1740.976
#3	2331.684	30288.52	2489.013	2018.536	1735.793

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5034-03LDLX10 Acquired: 12/23/2024 14:48:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKB6L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0149961	-.000043	.0676067	.0065681	.0048629	9.893973	.2300490
Stddev	.0032764	.005534	.0025452	.0004418	.0042014	.038846	.0020520
%RSD	21.84816	12738.54	3.764779	6.726772	86.39835	.3926185	.8919670
#1	.0182010	-.004666	.0694798	.0069865	.0042441	9.853286	.2289762
#2	.0116527	-.001552	.0686315	.0061061	.0010051	9.930669	.2287557
#3	.0151346	.006088	.0647088	.0066118	.0093394	9.897963	.2324149

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009116	.0010301	27.97978	.0144381	.0274655	.0372169	27.92818
Stddev	.0001665	.0000545	.15100	.0008136	.0001099	.0017663	.07924
%RSD	18.26792	5.293761	.5396816	5.635136	.4002674	4.746035	.2837120
#1	.0008676	.0009920	27.86609	.0148430	.0273580	.0377095	27.91811
#2	.0010957	.0010057	28.15112	.0135015	.0274608	.0386847	28.01197
#3	.0007715	.0010926	27.92214	.0149697	.0275778	.0352566	27.85446

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.172565	11.04984	.0212191	.0013163	-1.78878	.0261593	.0802138
Stddev	.014864	.05356	.0005015	.0010658	.94026	.0049255	.0245343
%RSD	.3562406	.4847085	2.363232	80.96868	52.56435	18.82870	30.58611
#1	4.158574	11.01241	.0210230	.0002057	-2.35016	.0209083	.1083949
#2	4.188171	11.02591	.0217889	.0023308	-2.31290	.0306769	.0686328
#3	4.170951	11.11119	.0208453	.0014125	-.70327	.0268927	.0636136

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1613107	.6891325	.0021971	.0026400	.2565638	1.558592	.0047072
Stddev	.0490577	.0032152	.0032372	.0008581	.0008291	.021355	.0020565
%RSD	30.41196	.4665583	147.3394	32.50401	.3231480	1.370124	43.68955
#1	.1321083	.6855681	.0013025	.0030743	.2562729	1.538846	.0062496
#2	.1338753	.6918140	.0057876	.0031941	.2559194	1.581255	.0023723
#3	.2179486	.6900155	-.000499	.0016516	.2574991	1.555674	.0054996

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5034-03LDLX10 Acquired: 12/23/2024 14:48:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKB6L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0523613	.0004488	.0119954
Stddev	.0048933	.0002448	.0043832
%RSD	9.345246	54.54919	36.54057
#1	.0477547	.0003661	.0167945
#2	.0574981	.0002560	.0082033
#3	.0518312	.0007243	.0109885

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2105.632	27527.67	2230.203	1819.669	1818.403
Stddev	4.053	150.28	20.751	9.697	.702
%RSD	.1925017	.5459381	.9304671	.5329261	.0386087
#1	2108.944	27356.52	2244.869	1809.965	1819.214
#2	2101.112	27638.06	2206.460	1829.360	1817.999
#3	2106.841	27588.44	2239.281	1819.681	1817.997

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5034-05DLX2 Acquired: 12/23/2024 14:52:07 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKB6S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1372985	.0300452	.3363727	.1308802	.0998256	43.30071	2.654654
Stddev	.0032025	.0032815	.0013230	.0013456	.0022400	.25665	.022931
%RSD	2.332517	10.92189	.3933003	1.028111	2.243900	.5927174	.8637860
#1	.1368991	.0280014	.3357195	.1293432	.0974113	43.03339	2.629715
#2	.1406820	.0338303	.3355034	.1318457	.1002293	43.54516	2.674828
#3	.1343145	.0283039	.3378952	.1314518	.1018363	43.32357	2.659418

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0464084	.0535060	117.4575	.2433279	.5617803	.3506155	118.0658
Stddev	.0004114	.0001079	.8207	.0003713	.0002330	.0142779	1.0316
%RSD	.8865114	.2015956	.6986936	.1525860	.0414668	4.072232	.8737130
#1	.0461189	.0534090	116.6026	.2433427	.5617639	.3355293	116.9921
#2	.0468793	.0534869	118.2390	.2436915	.5615560	.3524001	119.0492
#3	.0462270	.0536222	117.5309	.2429494	.5620210	.3639172	118.1562

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.85743	45.75406	.5891337	.0363584	-1.12716	.5190420	.7708917
Stddev	.16308	.41242	.0010258	.0017955	.60620	.0016054	.0168099
%RSD	.9132266	.9013944	.1741265	4.938249	53.78104	.3092986	2.180584
#1	17.68119	45.37819	.5882358	.0343482	-.54645	.5183683	.7749381
#2	18.00300	46.19524	.5902517	.0378028	-1.07905	.5178833	.7524279
#3	17.88808	45.68875	.5889136	.0369242	-1.75598	.5208745	.7853091

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.982016	3.349533	.0073533	.0051312	1.264832	6.439987	.0207771
Stddev	.139254	.012175	.0027534	.0006550	.003278	.059354	.0009292
%RSD	4.669789	.3634822	37.44523	12.76439	.2591323	.9216418	4.472337
#1	2.992003	3.344813	.0064339	.0047394	1.261679	6.393156	.0197048
#2	2.838038	3.340425	.0051771	.0047668	1.264596	6.506739	.0213458
#3	3.116008	3.363361	.0104488	.0058873	1.268221	6.420067	.0212807

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5034-05DLX2 Acquired: 12/23/2024 14:52:07 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKB6S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2204833	.0016975	.0477828
Stddev	.0014149	.0002463	.0042014
%RSD	.6417048	14.51058	8.792742
#1	.2190034	.0016601	.0509711
#2	.2218226	.0014721	.0430219
#3	.2206238	.0019604	.0493552

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2407.635	31295.87	2575.721	2070.106	1804.561
Stddev	5.629	84.39	23.854	4.136	1.954
%RSD	.2337832	.2696383	.9261060	.1997906	.1082876
#1	2414.114	31369.15	2599.520	2066.089	1806.816
#2	2404.848	31314.84	2551.812	2074.352	1803.505
#3	2403.944	31203.61	2575.831	2069.877	1803.362

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5034-13DLX5 Acquired: 12/23/2024 14:56:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKJ0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010123	.0132804	.0363928	-.011459	.0060540	11.65384	.0884583
Stddev	.0031095	.0032516	.0005693	.001886	.0014995	.00853	.0013012
%RSD	307.1576	24.48444	1.564309	16.46206	24.76947	.0731920	1.470986
#1	.0044659	.0164240	.0366766	-.010913	.0073166	11.66163	.0889005
#2	.0001361	.0099305	.0367644	-.013559	.0064488	11.65516	.0894808
#3	-.001565	.0134867	.0357374	-.009907	.0043965	11.64473	.0869936

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014162	.0006404	206.5279	.0217319	.0460503	.0439594	35.80746
Stddev	.0001915	.0000756	.1720	.0009236	.0004696	.0033948	.10175
%RSD	13.52399	11.80793	.0832849	4.250079	1.019774	7.722677	.2841627
#1	.0015395	.0006656	206.6803	.0209357	.0462750	.0478104	35.91354
#2	.0011955	.0007001	206.3414	.0227445	.0455105	.0413995	35.71067
#3	.0015135	.0005554	206.5620	.0215154	.0463653	.0426683	35.79816

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.775902	42.89046	.0282005	.0011821	-1.03903	.0349418	.0868453
Stddev	.006662	.25181	.0002734	.0009719	.36711	.0089214	.0095669
%RSD	.3751336	.5871063	.9695299	82.22388	35.33248	25.53206	11.01608
#1	1.781462	43.16593	.0278921	.0018574	-.89959	.0411261	.0954074
#2	1.777728	42.83331	.0284133	.0016206	-1.45543	.0247148	.0886094
#3	1.768518	42.67213	.0282960	.0000681	-.76206	.0389846	.0765190

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.253466	1.042007	.0086369	.0042177	.3128784	1.931247	.0090324
Stddev	.032361	.004644	.0027850	.0003042	.0037205	.018620	.0031861
%RSD	2.581717	.4456312	32.24540	7.212130	1.189112	.9641593	35.27373
#1	1.274355	1.045666	.0069424	.0041903	.3129229	1.927248	.0093279
#2	1.216189	1.036783	.0071171	.0045346	.3091359	1.951542	.0057089
#3	1.269854	1.043571	.0118512	.0039281	.3165764	1.914952	.0120605

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5034-13DLX5 Acquired: 12/23/2024 14:56:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKJ0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2888712	.1364957	.0213223
Stddev	.0012916	.0007288	.0029431
%RSD	.4471186	.5338963	13.80275
#1	.2873825	.1359803	.0179666
#2	.2896938	.1361774	.0234648
#3	.2895372	.1373294	.0225355

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2028.446	26731.64	2185.702	1764.496	1703.514
Stddev	5.075	111.36	8.893	4.085	5.682
%RSD	.2502150	.4165784	.4068705	.2314863	.3335386
#1	2022.866	26784.33	2187.923	1765.853	1696.974
#2	2032.788	26603.72	2175.910	1759.906	1707.236
#3	2029.684	26806.89	2193.275	1767.729	1706.331

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5233-03DLX2 Acquired: 12/23/2024 15:00:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28R7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0351538	-.014196	.0974547	.0227531	.0229033	47.06037	.6103552
Stddev	.0021589	.002497	.0022433	.0051715	.0035355	.07746	.0011042
%RSD	6.141236	17.59002	2.301923	22.72878	15.43660	.1646032	.1809163
#1	.0374440	-.015193	.0965043	.0200758	.0191184	46.98072	.6096537
#2	.0331560	-.016040	.0958430	.0287144	.0261208	47.06497	.6097838
#3	.0348613	-.011354	.1000168	.0194692	.0234706	47.13544	.6116280

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048829	.0023868	415.8688	.0925597	.0866079	.0756606	106.6873
Stddev	.0000716	.0000741	.7694	.0006481	.0005397	.0024746	.1847
%RSD	1.466898	3.102671	.1850142	.7002206	.6232003	3.270655	.1731590
#1	.0049346	.0023496	415.2704	.0921711	.0860804	.0777190	106.5229
#2	.0049129	.0024721	415.5992	.0933079	.0871591	.0763477	106.6518
#3	.0048011	.0023389	416.7367	.0922001	.0865843	.0729150	106.8872

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.222240	121.6019	.1439966	.0021310	-.853073	.1229990	.3191396
Stddev	.001993	.4314	.0010357	.0018619	.508568	.0014253	.0116131
%RSD	.0896828	.3547626	.7192675	87.37322	59.61601	1.158790	3.638866
#1	2.220658	121.3623	.1430083	.0034829	-.520183	.1232425	.3238618
#2	2.221583	121.3434	.1439075	.0000073	-.600556	.1214677	.3276477
#3	2.224478	122.0999	.1450740	.0029027	-1.43848	.1242869	.3059093

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.240331	2.063535	.0159257	.0138281	2.930084	5.902586	.0175140
Stddev	.144309	.006600	.0025175	.0007041	.024963	.035304	.0005562
%RSD	2.753818	.3198626	15.80782	5.091602	.8519465	.5981177	3.175882
#1	5.400873	2.064475	.0150227	.0131126	2.931244	5.932486	.0169131
#2	5.121398	2.056515	.0187701	.0138516	2.904562	5.863638	.0180109
#3	5.198721	2.069616	.0139841	.0145201	2.954447	5.911633	.0176181

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5233-03DLX2 Acquired: 12/23/2024 15:00:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28R7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6923031	.7079578	.0893270
Stddev	.0020918	.0016220	.0032964
%RSD	.3021545	.2291157	3.690312
#1	.6901359	.7090778	.0931240
#2	.6924629	.7060977	.0871967
#3	.6943104	.7086978	.0876604

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2088.431	27109.98	2282.484	1781.842	1680.724
Stddev	2.487	176.03	4.246	7.560	3.030
%RSD	.1190735	.6492999	.1860137	.4242556	.1802908
#1	2088.981	27282.24	2282.769	1787.347	1677.414
#2	2085.715	26930.42	2286.579	1773.222	1683.361
#3	2090.597	27117.27	2278.102	1784.956	1681.398

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5233-04DLX2 Acquired: 12/23/2024 15:04:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28R8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056047	.0195158	.1100900	-.010341	.0089329	43.94582	.4122944
Stddev	.0043340	.0066155	.0010979	.003297	.0023513	.24160	.0017016
%RSD	77.32799	33.89802	.9972562	31.88735	26.32202	.5497646	.4127075
#1	.0065148	.0126569	.1103657	-.006966	.0062305	43.81222	.4114635
#2	.0094115	.0200331	.1088805	-.010502	.0100568	43.80052	.4111680
#3	.0008879	.0258575	.1110237	-.013555	.0105114	44.22471	.4142518

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0067967	.0011224	655.4018	.0687353	.0588710	.0515692	45.05707
Stddev	.0001734	.0002160	3.3447	.0004517	.0004727	.0040847	.24932
%RSD	2.550703	19.24230	.5103283	.6572020	.8029381	7.920863	.5533431
#1	.0069344	.0013587	652.7483	.0692100	.0594141	.0476717	44.91770
#2	.0066021	.0010734	654.2983	.0686851	.0586474	.0512173	44.90860
#3	.0068538	.0009351	659.1588	.0683107	.0585517	.0558184	45.34491

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.505404	196.6350	.0439795	.0006567	-.365704	.0665073	.2304782
Stddev	.020615	1.6000	.0004704	.0011427	.879041	.0053382	.0074408
%RSD	.5880973	.8136674	1.069475	173.9916	240.3696	8.026429	3.228442
#1	3.484544	195.3089	.0445017	-.000418	-.987938	.0618658	.2234243
#2	3.505902	196.1840	.0438477	.001857	-.749088	.0653155	.2297568
#3	3.525765	198.4120	.0435891	.000530	.639914	.0723406	.2382534

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.373692	1.016693	.1248064	.0076763	11.76877	5.798905	.0195787
Stddev	.099289	.015236	.0021019	.0004406	.10342	.038671	.0021517
%RSD	4.182888	1.498590	1.684134	5.740054	.8787759	.6668732	10.99009
#1	2.380764	1.031808	.1261477	.0081607	11.83138	5.843020	.0194654
#2	2.271056	1.016932	.1223840	.0075689	11.82552	5.770860	.0174858
#3	2.469256	1.001338	.1258875	.0072993	11.64940	5.782834	.0217847

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5233-04DLX2 Acquired: 12/23/2024 15:04:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28R8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.214214	1.246210	.0581521
Stddev	.001358	.007135	.0037340
%RSD	.1118386	.5725425	6.421159
#1	1.213143	1.242834	.0555629
#2	1.215741	1.241391	.0624325
#3	1.213757	1.254407	.0564610

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2043.187	26655.92	2265.617	1745.639	1623.209
Stddev	10.082	132.94	9.300	1.352	10.561
%RSD	.4934668	.4987421	.4104796	.0774701	.6506520
#1	2033.188	26785.27	2267.795	1746.926	1612.571
#2	2043.021	26662.84	2273.635	1745.761	1623.364
#3	2053.351	26519.65	2255.422	1744.229	1633.692

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5233-06DLX2 Acquired: 12/23/2024 15:08:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0401652	-.009007	.2632828	.0186186	.0209520	41.45703	.3964863
Stddev	.0021924	.001530	.0058293	.0039111	.0041236	.24720	.0011839
%RSD	5.458450	16.98786	2.214097	21.00621	19.68098	.5962750	.2985882
#1	.0393786	-.008404	.2687902	.0229487	.0213686	41.74132	.3977813
#2	.0426424	-.010747	.2571776	.0175646	.0166360	41.29270	.3954597
#3	.0384747	-.007870	.2638805	.0153426	.0248515	41.33707	.3962178

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046504	.0022092	547.2288	.0971208	.0827129	.1386178	97.83961
Stddev	.0001275	.0000601	2.3987	.0003451	.0002201	.0090332	.50364
%RSD	2.741855	2.722002	.4383432	.3553404	.2660506	6.516587	.5147629
#1	.0045032	.0022611	549.9700	.0970724	.0829320	.1288387	98.40458
#2	.0047241	.0022231	546.2022	.0974876	.0827147	.1403650	97.43768
#3	.0047240	.0021433	545.5143	.0968024	.0824919	.1466498	97.67659

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.709253	165.6885	.1389636	.0113648	.0785736	.1320381	.3385397
Stddev	.012451	.8302	.0008425	.0005961	.3945080	.0029904	.0163770
%RSD	.4595830	.5010335	.6062715	5.244941	502.0875	2.264790	4.837528
#1	2.720426	166.6453	.1398494	.0110395	.5336311	.1354810	.3212085
#2	2.695830	165.2602	.1381723	.0120527	-.130829	.1300886	.3406534
#3	2.711504	165.1599	.1388691	.0110021	-.167082	.1305446	.3537571

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.817348	2.122965	.0297802	.0208368	9.323190	6.898028	.0334333
Stddev	.068126	.003149	.0025937	.0003083	.006563	.043728	.0014513
%RSD	1.414181	.1483254	8.709617	1.479466	.0703977	.6339171	4.340877
#1	4.741978	2.119457	.0316752	.0208507	9.316495	6.930905	.0349841
#2	4.874543	2.123894	.0268242	.0211380	9.323463	6.914778	.0332077
#3	4.835523	2.125546	.0308413	.0205219	9.329613	6.848401	.0321080

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5233-06DLX2 Acquired: 12/23/2024 15:08:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28S0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8446866	1.594024	.0661601
Stddev	.0081405	.006781	.0020569
%RSD	.9637362	.4253856	3.109027
#1	.8537753	1.601254	.0639605
#2	.8380650	1.593010	.0680359
#3	.8422195	1.587807	.0664839

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2058.421	26867.61	2251.442	1763.581	1651.196
Stddev	5.138	91.86	16.578	10.856	3.375
%RSD	.2496226	.3418996	.7363222	.6155586	.2043974
#1	2053.588	26765.27	2235.849	1751.273	1648.040
#2	2063.818	26942.95	2249.624	1767.681	1654.754
#3	2057.857	26894.60	2268.854	1771.790	1650.795

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5233-17DLX5 Acquired: 12/23/2024 15:11:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28T1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0567554	-.175448	1.420011	.2329077	.0952291	9.578620	.1548260
Stddev	.0069248	.004915	.002689	.0041844	.0014851	.037760	.0009056
%RSD	12.20118	2.801418	.1893781	1.796584	1.559455	.3942124	.5848874
#1	.0589673	-.169928	1.417301	.2377306	.0939924	9.621468	.1556637
#2	.0623040	-.177067	1.422678	.2302442	.0948187	9.564187	.1538652
#3	.0489948	-.179350	1.420055	.2307483	.0968762	9.550205	.1549491

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0080878	.0125558	139.6329	1.252607	.0518852	.0816227	444.3348
Stddev	.0000200	.0001977	1.1053	.002557	.0004777	.0027486	2.9354
%RSD	.2469386	1.574780	.7915996	.2041744	.9207532	3.367459	.6606318
#1	.0080854	.0123993	140.9009	1.255521	.0519855	.0830949	447.6945
#2	.0081089	.0127781	139.1244	1.251564	.0523049	.0784515	443.0435
#3	.0080691	.0124901	138.8733	1.250735	.0513653	.0833215	442.2664

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.76173	21.94341	.4654375	.0208030	-.145524	.2126545	4.019313
Stddev	.12542	.12392	.0012792	.0007550	.739531	.0074712	.036713
%RSD	.6346637	.5647324	.2748353	3.629131	508.1856	3.513331	.9134181
#1	19.90414	22.08163	.4650990	.0206001	-.307385	.2189590	4.053290
#2	19.71338	21.84223	.4668519	.0216388	.661532	.2044023	4.024280
#3	19.66769	21.90637	.4643617	.0201703	-.790717	.2146021	3.980369

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.038886	1.897070	-.009492	.0249231	1.213727	2.174855	.0526410
Stddev	.048650	.008894	.002002	.0006229	.004056	.005371	.0008626
%RSD	125.1118	.4688135	21.09308	2.499176	.3342054	.2469571	1.638724
#1	-.093796	1.887949	-.011718	.0242493	1.213801	2.179964	.0535327
#2	-.021701	1.905718	-.008923	.0250424	1.217746	2.175346	.0518107
#3	-.001159	1.897541	-.007837	.0254777	1.209634	2.169256	.0525797

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5233-17DLX5 Acquired: 12/23/2024 15:11:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28T1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.9520485	-.297050	.0648387
Stddev	.0091588	.002222	.0072589
%RSD	.9620123	.7480221	11.19525
#1	.9613736	-.299615	.0729723
#2	.9430656	-.295712	.0625254
#3	.9517065	-.295823	.0590185

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2027.270	26399.04	2152.628	1739.994	1813.680
Stddev	6.486	176.47	15.407	14.737	6.646
%RSD	.3199178	.6684631	.7157472	.8469544	.3664451
#1	2034.564	26219.97	2136.513	1728.747	1819.608
#2	2022.153	26404.37	2154.157	1734.558	1806.495
#3	2025.092	26572.79	2167.214	1756.677	1814.936

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5233-19DLX2 Acquired: 12/23/2024 15:15:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28T3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0911012	-.212715	1.748930	.2790690	.1236056	38.66287	.5244850
Stddev	.0034162	.005470	.001466	.0077616	.0045475	.05899	.0003947
%RSD	3.749930	2.571625	.0838262	2.781239	3.679061	.1525635	.0752507
#1	.0942118	-.215482	1.747897	.2781405	.1203523	38.72653	.5248208
#2	.0874450	-.216249	1.748286	.2872530	.1216627	38.65201	.5245839
#3	.0916468	-.206414	1.750608	.2718134	.1288019	38.61007	.5240502

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0126768	.0197000	340.7263	1.623918	.0818104	.1928078	545.0382
Stddev	.0001039	.0000441	.6920	.006177	.0009151	.0053633	.4695
%RSD	.8194668	.2240231	.2030895	.3804072	1.118531	2.781679	.0861345
#1	.0126663	.0196643	340.5044	1.620557	.0808207	.1917668	545.4922
#2	.0127856	.0196864	341.5020	1.631047	.0819849	.1986152	544.5547
#3	.0125786	.0197493	340.1724	1.620149	.0826257	.1880413	545.0678

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.00630	55.39403	.6902394	.0242803	1.070197	.2875560	6.771159
Stddev	.04463	.14280	.0025340	.0020175	.373615	.0049934	.024847
%RSD	.2230696	.2577805	.3671207	8.309299	34.91083	1.736505	.3669584
#1	20.04883	55.45340	.6931223	.0252196	.726698	.2848057	6.798974
#2	20.01025	55.23113	.6883642	.0219644	1.467988	.2845424	6.763347
#3	19.95983	55.49756	.6892319	.0256570	1.015906	.2933199	6.751157

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.127317	3.346313	.0407908	.0370933	5.400600	5.898293	.0848035
Stddev	.096973	.012036	.0052567	.0005395	.009088	.008505	.0034370
%RSD	1.891302	.3596725	12.88695	1.454589	.1682830	.1441869	4.052929
#1	5.069425	3.339463	.0419911	.0366313	5.403878	5.889640	.0868396
#2	5.239270	3.339266	.0453435	.0369622	5.390327	5.898599	.0808353
#3	5.073256	3.360211	.0350377	.0376863	5.407594	5.906641	.0867358

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5233-19DLX2 Acquired: 12/23/2024 15:15:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28T3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.431042	.2168574	.0590920
Stddev	.005094	.0030334	.0067101
%RSD	.3559392	1.398780	11.35529
#1	1.429142	.2139412	.0569528
#2	1.436812	.2199957	.0537124
#3	1.427171	.2166351	.0666109

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2045.733	26662.05	2244.333	1744.728	1750.976
Stddev	2.716	75.27	6.475	9.032	2.907
%RSD	.1327635	.2823253	.2885037	.5176551	.1660228
#1	2043.073	26632.81	2237.360	1734.328	1747.625
#2	2045.626	26605.78	2250.156	1750.609	1752.815
#3	2048.502	26747.56	2245.481	1749.245	1752.488

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5037-12DLX2 Acquired: 12/23/2024 15:29:29 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK75 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0188634	-.004027	.0621240	.0110028	.0140137	32.96734	.3569716
Stddev	.0045072	.004283	.0029956	.0006734	.0024245	.14936	.0011917
%RSD	23.89380	106.3450	4.822045	6.119964	17.30069	.4530666	.3338253
#1	.0219915	.000731	.0655584	.0116305	.0147708	32.81831	.3559918
#2	.0136972	-.005238	.0600500	.0110863	.0113010	33.11704	.3582981
#3	.0209016	-.007574	.0607635	.0102916	.0159692	32.96667	.3566248

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0029983	.0016549	445.7581	.0533893	.0729311	.0574128	79.49569
Stddev	.0000763	.0000442	1.6411	.0008547	.0007677	.0026989	.36547
%RSD	2.544143	2.672831	.3681628	1.600870	1.052569	4.700849	.4597363
#1	.0029269	.0016875	445.3806	.0533571	.0734490	.0551589	79.24077
#2	.0029892	.0016726	447.5550	.0525511	.0720492	.0566759	79.91441
#3	.0030787	.0016045	444.3386	.0542596	.0732952	.0604036	79.33190

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.810866	62.58761	.0856332	.0011348	-1.25217	.0703549	.1990824
Stddev	.015849	.41985	.0002530	.0011219	.65355	.0088637	.0190997
%RSD	.8752423	.6708215	.2954394	98.85935	52.19353	12.59849	9.593880
#1	1.795790	62.44009	.0856709	.0023793	-1.31027	.0715657	.1878157
#2	1.827390	63.06131	.0858651	.0002009	-.57151	.0785509	.2211352
#3	1.809420	62.26142	.0853634	.0008244	-1.87473	.0609481	.1882964

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.996817	3.327001	-.001460	.0033984	.8066062	5.270851	.0163056
Stddev	.153326	.003574	.001273	.0005005	.0050569	.012923	.0003137
%RSD	7.678526	.1074213	87.15459	14.72604	.6269329	.2451791	1.923573
#1	1.941195	3.331031	-.002831	.0028619	.8026696	5.285772	.0166669
#2	1.879065	3.324215	-.000316	.0038526	.8048395	5.263555	.0161464
#3	2.170191	3.325757	-.001234	.0034807	.8123094	5.263225	.0161035

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5037-12DLX2 Acquired: 12/23/2024 15:29:29 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK75 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.5153909	.2768400	.0761942
Stddev	.0064741	.0009085	.0033084
%RSD	1.256154	.3281815	4.342022
#1	.5111499	.2774161	.0746604
#2	.5228429	.2773113	.0739311
#3	.5121800	.2757927	.0799911

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2073.052	26909.98	2260.721	1764.538	1680.224
Stddev	2.252	108.60	5.139	5.933	2.589
%RSD	.1086115	.4035602	.2273342	.3362214	.1540618
#1	2070.456	27032.96	2265.251	1770.445	1677.240
#2	2074.470	26869.69	2255.136	1758.580	1681.861
#3	2074.230	26827.28	2261.776	1764.588	1681.572

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5037-20DLX2 Acquired: 12/23/2024 15:33:29 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKG7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0267489	.0094735	.1812382	.0017300	.0135034	24.79956	.1427899
Stddev	.0031958	.0009258	.0031869	.0032960	.0017096	.09950	.0005253
%RSD	11.94732	9.772530	1.758408	190.5232	12.66056	.4012008	.3678954
#1	.0304374	.0105322	.1782683	.0037626	.0149520	24.68803	.1422188
#2	.0248093	.0090721	.1808414	.0035002	.0116176	24.87921	.1432524
#3	.0249999	.0088161	.1846049	-.002073	.0139404	24.83143	.1428987

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022970	.0022401	629.2614	.0407779	.0801947	.2152272	68.91455
Stddev	.0000824	.0001476	2.4539	.0010261	.0004647	.0070688	.33670
%RSD	3.587439	6.587456	.3899581	2.516396	.5794489	3.284343	.4885813
#1	.0022589	.0022298	626.8470	.0417944	.0802358	.2233606	68.58337
#2	.0023915	.0023926	631.7529	.0397424	.0806374	.2117553	68.90375
#3	.0022405	.0020980	629.1843	.0407968	.0797108	.2105657	69.25652

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.521039	83.19612	.0776823	.0011469	-.853488	.0581245	.2661666
Stddev	.029205	.67269	.0006112	.0010381	.557059	.0071449	.0179917
%RSD	.5289706	.8085555	.7868213	90.51079	65.26850	12.29250	6.759543
#1	5.492620	82.66683	.0769896	.0001421	-1.32790	.0533965	.2839543
#2	5.550970	83.95310	.0781457	.0022153	-.99246	.0663438	.2665678
#3	5.519526	82.96842	.0779116	.0010834	-.24010	.0546331	.2479778

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.939867	5.052917	.0085980	.0040785	.6813906	4.834214	.0160406
Stddev	.197113	.004868	.0012847	.0008735	.0045213	.027897	.0012388
%RSD	5.003048	.0963440	14.94141	21.41649	.6635326	.5770769	7.723049
#1	3.761318	5.049653	.0078467	.0047103	.6846222	4.829907	.0169864
#2	3.906895	5.058513	.0078660	.0044434	.6762238	4.864014	.0146383
#3	4.151387	5.050587	.0100814	.0030817	.6833256	4.808721	.0164972

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5037-20DLX2 Acquired: 12/23/2024 15:33:29 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKG7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4875103	.4468275	.0552302
Stddev	.0043246	.0027574	.0044499
%RSD	.8870759	.6170986	8.056949
#1	.4898188	.4444417	.0563611
#2	.4825213	.4498463	.0503240
#3	.4901908	.4461944	.0590055

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2136.853	27872.23	2348.170	1828.121	1653.077
Stddev	6.381	35.59	14.523	3.807	1.995
%RSD	.2986205	.1276843	.6184620	.2082474	.1206765
#1	2130.102	27893.22	2358.502	1832.273	1651.388
#2	2142.786	27831.13	2331.566	1827.298	1655.278
#3	2137.670	27892.32	2354.443	1824.793	1652.565

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5028-01DLX2 Acquired: 12/23/2024 15:37:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK34 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0163755	.0226201	.4181767	-.006794	.0060534	16.36175	.2403742
Stddev	.0030667	.0038375	.0015784	.002093	.0043102	.02843	.0021464
%RSD	18.72738	16.96490	.3774384	30.80842	71.20254	.1737635	.8929566
#1	.0190132	.0268771	.4179704	-.007395	.0093765	16.37380	.2381453
#2	.0130105	.0215569	.4198481	-.008521	.0011832	16.32927	.2405498
#3	.0171027	.0194263	.4167117	-.004466	.0076005	16.38216	.2424274

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018859	.0022983	595.1550	.0353136	.0620658	.0708749	50.60425
Stddev	.0001097	.0000814	.6956	.0015574	.0004708	.0066744	.05483
%RSD	5.817574	3.540576	.1168833	4.410080	.7585565	9.417151	.1083409
#1	.0017652	.0023370	595.5423	.0360766	.0616329	.0672553	50.57857
#2	.0019797	.0023531	594.3519	.0363423	.0625670	.0785772	50.56697
#3	.0019128	.0022048	595.5708	.0335218	.0619976	.0667922	50.66720

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.021823	285.0778	.0436538	.0024640	-.936904	.0501545	.4580016
Stddev	.010651	.3151	.0001932	.0002753	.028913	.0047297	.0038952
%RSD	.2648198	.1105363	.4425496	11.17167	3.086019	9.430159	.8504668
#1	4.015845	285.3390	.0436047	.0027800	-.968545	.0552391	.4538488
#2	4.034120	284.7278	.0438668	.0023355	-.911858	.0458861	.4585820
#3	4.015504	285.1665	.0434898	.0022764	-.930308	.0493383	.4615740

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.058842	3.106323	.0436722	.0039673	11.85081	3.745284	.0188528
Stddev	.047472	.010924	.0011926	.0002920	.01824	.027397	.0017354
%RSD	1.169599	.3516758	2.730847	7.359130	.1539159	.7315040	9.205272
#1	4.031274	3.116022	.0424835	.0042243	11.84078	3.776916	.0182137
#2	4.031595	3.108459	.0448687	.0036499	11.87187	3.729049	.0175276
#3	4.113658	3.094489	.0436642	.0040278	11.83979	3.729887	.0208172

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5028-01DLX2 Acquired: 12/23/2024 15:37:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK34 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2234811	.2971427	.0277512
Stddev	.0024395	.0017897	.0009298
%RSD	1.091594	.6022985	3.350512
#1	.2241748	.2989757	.0276582
#2	.2207698	.2970526	.0268714
#3	.2254985	.2953997	.0287241

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1996.187	26142.28	2201.655	1700.952	1612.197
Stddev	5.326	254.44	19.497	14.569	6.505
%RSD	.2668310	.9733037	.8855615	.8565311	.4034971
#1	2001.350	25986.82	2180.076	1689.490	1618.961
#2	1990.711	26004.10	2206.883	1696.018	1605.985
#3	1996.499	26435.92	2218.004	1717.347	1611.646

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5028-02DLX2 Acquired: 12/23/2024 15:41:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK35 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0468603	.0009497	.8856487	-.000983	.0150330	29.26238	.5068133
Stddev	.0008729	.0036231	.0025963	.002847	.0030816	.28448	.0052301
%RSD	1.862684	381.5199	.2931467	289.6401	20.49906	.9721581	1.031953
#1	.0478564	-.002907	.8870849	-.002358	.0122802	28.95443	.5014601
#2	.0464955	.001473	.8872096	.002290	.0144566	29.51536	.5119109
#3	.0462290	.004283	.8826517	-.002881	.0183621	29.31735	.5070690

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031350	.0042886	576.3378	.0556746	.0758277	.1380335	77.07323
Stddev	.0001570	.0000899	4.7398	.0002874	.0003059	.0149074	.87395
%RSD	5.007600	2.096609	.8223995	.5161239	.4034302	10.79988	1.133927
#1	.0029582	.0043710	570.9930	.0560056	.0755475	.1232225	76.19925
#2	.0032581	.0043022	580.0302	.0554893	.0757816	.1530356	77.94716
#3	.0031887	.0041927	577.9902	.0555290	.0761541	.1378423	77.07328

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.110212	244.1238	.0746664	.0039481	-.305440	.0758214	.8351000
Stddev	.065317	2.3215	.0004474	.0006443	.650099	.0074776	.0212498
%RSD	1.068987	.9509685	.5991563	16.31944	212.8406	9.862073	2.544585
#1	6.045155	241.6793	.0743841	.0040254	-.943778	.0813815	.8345621
#2	6.175787	246.2988	.0744329	.0045503	-.328355	.0673205	.8566136
#3	6.109694	244.3932	.0751822	.0032687	.355815	.0787622	.8141242

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.363118	3.430597	.0299642	.0088773	7.825870	4.741508	.0334921
Stddev	.141086	.006014	.0034771	.0001646	.012887	.007060	.0043907
%RSD	3.233604	.1753025	11.60415	1.853813	.1646759	.1489076	13.10964
#1	4.234551	3.435233	.0259553	.0090638	7.828313	4.736328	.0334683
#2	4.340753	3.432757	.0321608	.0087525	7.837361	4.749550	.0291134
#3	4.514051	3.423802	.0317765	.0088157	7.811936	4.738646	.0378947

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5028-02DLX2 Acquired: 12/23/2024 15:41:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK35 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3528922	.3129170	.0477139
Stddev	.0058608	.0020658	.0017898
%RSD	1.660789	.6601824	3.751057
#1	.3461768	.3105422	.0494755
#2	.3569759	.3139096	.0458972
#3	.3555238	.3142992	.0477692

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2049.530	26903.08	2252.208	1761.060	1619.822
Stddev	4.764	76.72	9.873	.659	3.715
%RSD	.2324620	.2851669	.4383497	.0374128	.2293766
#1	2054.385	26989.81	2262.507	1761.742	1623.909
#2	2049.344	26875.36	2242.826	1760.428	1616.647
#3	2044.862	26844.07	2251.290	1761.009	1618.912

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5009-21DLX2 Acquired: 12/23/2024 15:45:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJZ3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0310893	.0126268	.1105465	-.001562	.0086559	21.36778	.3013883
Stddev	.0023501	.0024541	.0023861	.000658	.0032944	.18578	.0031276
%RSD	7.559181	19.43602	2.158446	42.13528	38.06002	.8694422	1.037745
#1	.0327213	.0104881	.1130234	-.002203	.0121556	21.37010	.3018086
#2	.0283957	.0120859	.1082630	-.000887	.0081972	21.18085	.2980717
#3	.0321509	.0153062	.1103532	-.001597	.0056148	21.55239	.3042845

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023535	.0012433	705.2887	.0366832	.0751149	.1029151	62.69448
Stddev	.0000265	.0001656	6.7271	.0007661	.0005477	.0082124	.57114
%RSD	1.126138	13.31689	.9538131	2.088346	.7291705	7.979751	.9109966
#1	.0023838	.0013846	705.4105	.0369968	.0757319	.0946580	62.96031
#2	.0023424	.0010611	698.5014	.0372427	.0749267	.1030053	62.03887
#3	.0023344	.0012842	711.9541	.0358101	.0746861	.1110820	63.08426

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.183012	92.43127	.0532260	.0042685	-1.03467	.0574682	.2689804
Stddev	.067017	1.05816	.0003406	.0005343	.39304	.0052067	.0135159
%RSD	1.083887	1.144808	.6399547	12.51823	37.98642	9.060220	5.024860
#1	6.187272	92.67607	.0536191	.0048106	-.99210	.0604376	.2539500
#2	6.113967	91.27217	.0530198	.0042528	-.66466	.0514561	.2728561
#3	6.247798	93.34558	.0530390	.0037422	-1.44726	.0605108	.2801350

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.395309	3.541662	.0253063	.0039375	2.426365	5.491851	.0163962
Stddev	.026654	.006051	.0010752	.0002398	.012521	.057148	.0018291
%RSD	.6064168	.1708521	4.248641	6.090600	.5160221	1.040600	11.15559
#1	4.366551	3.538583	.0240851	.0036610	2.430326	5.534987	.0180429
#2	4.419183	3.548633	.0257232	.0040893	2.412343	5.427035	.0167182
#3	4.400193	3.537770	.0261106	.0040621	2.436426	5.513530	.0144275

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5009-21DLX2 Acquired: 12/23/2024 15:45:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJZ3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3423601	.5687549	.0446350
Stddev	.0031724	.0043384	.0028208
%RSD	.9266406	.7627919	6.319644
#1	.3428046	.5677076	.0475171
#2	.3389888	.5650360	.0418798
#3	.3452868	.5735211	.0445080

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2102.691	27479.27	2293.514	1790.876	1644.412
Stddev	1.176	167.77	22.062	10.262	2.893
%RSD	.0559499	.6105182	.9619311	.5730008	.1759165
#1	2103.208	27286.61	2276.678	1780.986	1646.584
#2	2103.520	27593.08	2318.489	1801.473	1641.128
#3	2101.344	27558.13	2285.374	1790.167	1645.523

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4984-08DLX5 Acquired: 12/23/2024 15:49:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJT5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004934	.0231649	.0946688	-.025313	.0026818	3.392508	.0334925
Stddev	.004728	.0040558	.0007924	.001597	.0016974	.036293	.0004745
%RSD	95.83581	17.50856	.8369832	6.310103	63.29431	1.069789	1.416592
#1	-.007796	.0266570	.0943428	-.023471	.0009908	3.379910	.0329918
#2	.000524	.0241213	.0955722	-.026322	.0043856	3.433422	.0335500
#3	-.007530	.0187163	.0940914	-.026145	.0026688	3.364194	.0339355

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005715	.0017217	351.3308	.0110466	.0415777	.0158378	19.94774
Stddev	.0000794	.0000971	1.0137	.0001583	.0008655	.0029046	.04502
%RSD	13.88542	5.637897	.2885245	1.433396	2.081647	18.33981	.2256688
#1	.0005368	.0017737	350.4365	.0111633	.0410641	.0191918	19.99912
#2	.0006623	.0016097	352.4319	.0111102	.0410920	.0141434	19.92882
#3	.0005154	.0017817	351.1239	.0108663	.0425769	.0141784	19.91527

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.139994	201.9476	.0144007	-.000318	-1.07556	.0170438	.3597119
Stddev	.006967	.8276	.0004961	.001266	.74918	.0070971	.0187595
%RSD	.3255789	.4098286	3.444652	398.4051	69.65513	41.64012	5.215141
#1	2.136269	202.2441	.0141631	-.000461	-.98607	.0208170	.3382365
#2	2.148032	202.5861	.0149709	.001014	-1.86546	.0088572	.3679951
#3	2.135681	201.0125	.0140681	-.001505	-.37514	.0214573	.3729040

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.110425	.5803411	.0170862	.0032693	3.737683	1.639552	.0067370
Stddev	.145241	.0062533	.0006441	.0003656	.032497	.009381	.0017241
%RSD	13.07973	1.077522	3.769684	11.18366	.8694382	.5721584	25.59164
#1	.957261	.5732729	.0169329	.0036190	3.705625	1.630879	.0047546
#2	1.127844	.5851536	.0177931	.0028896	3.736822	1.649509	.0078865
#3	1.246172	.5825967	.0165325	.0032994	3.770602	1.638269	.0075700

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4984-08DLX5 Acquired: 12/23/2024 15:49:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJT5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0393104	.0940777	.0112296
Stddev	.0019203	.0004765	.0017569
%RSD	4.884967	.5064540	15.64483
#1	.0373880	.0935322	.0114577
#2	.0412286	.0944124	.0093699
#3	.0393147	.0942885	.0128614

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1962.657	25740.75	2136.820	1682.692	1663.240
Stddev	15.363	87.30	19.484	9.842	12.681
%RSD	.7827578	.3391393	.9118135	.5849181	.7624233
#1	1979.414	25664.88	2149.641	1674.893	1677.624
#2	1949.238	25721.21	2114.399	1679.432	1653.676
#3	1959.317	25836.16	2146.420	1693.751	1658.421

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4983-20DLX5 Acquired: 12/23/2024 15:53:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJH0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005135	.0312685	.0422828	-.030817	.0014044	4.067683	.0481763
Stddev	.001956	.0046109	.0007382	.002536	.0042751	.013986	.0023402
%RSD	38.08330	14.74631	1.745814	8.228557	304.4156	.3438391	4.857589
#1	-.004524	.0259926	.0422413	-.030477	.0063251	4.083668	.0490037
#2	-.007323	.0332862	.0430409	-.033506	-.001397	4.061684	.0455347
#3	-.003558	.0345266	.0415663	-.028469	-.000715	4.057698	.0499903

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004490	.0006282	654.1922	.0078547	.0485784	.0321812	15.58177
Stddev	.0001616	.0000550	.9367	.0003466	.0001804	.0025583	.05397
%RSD	35.99084	8.749609	.1431807	4.412664	.3714398	7.949646	.3463869
#1	.0003949	.0006462	655.2725	.0074716	.0487620	.0297716	15.63890
#2	.0006307	.0005665	653.6069	.0079459	.0484013	.0348659	15.53164
#3	.0003214	.0006720	653.6971	.0081465	.0485718	.0319061	15.57475

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.952326	43.51719	.0131892	-.000461	-.965114	.0119867	.1031453
Stddev	.007419	.08663	.0002793	.000777	.577729	.0062541	.0013329
%RSD	.2512962	.1990813	2.117350	168.4451	59.86125	52.17527	1.292225
#1	2.949557	43.54618	.0128709	-.001065	-.970746	.0056472	.1036453
#2	2.946690	43.41977	.0133931	-.000733	-1.54001	.0121611	.1041558
#3	2.960731	43.58561	.0133035	.000415	-.38459	.0181518	.1016347

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3624774	.6679291	.0076609	.0025518	.8024161	1.898233	.0084816
Stddev	.0244771	.0036219	.0017353	.0003469	.0008384	.012595	.0005433
%RSD	6.752715	.5422535	22.65145	13.59217	.1044900	.6635205	6.405015
#1	.3883974	.6702652	.0067384	.0029081	.8018462	1.912684	.0087176
#2	.3397583	.6697652	.0096626	.0025322	.8033788	1.892429	.0078603
#3	.3592763	.6637569	.0065817	.0022152	.8020232	1.889587	.0088670

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4983-20DLX5 Acquired: 12/23/2024 15:53:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJH0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0495131	.4773864	.0099081
Stddev	.0053356	.0013887	.0042008
%RSD	10.77609	.2908990	42.39708
#1	.0483483	.4786581	.0141706
#2	.0448562	.4759046	.0097820
#3	.0553349	.4775966	.0057719

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1968.607	25749.77	2140.505	1675.822	1658.423
Stddev	3.393	74.80	14.102	9.853	.776
%RSD	.1723413	.2904823	.6588053	.5879222	.0467787
#1	1964.733	25727.50	2124.432	1686.148	1657.541
#2	1970.040	25688.63	2146.287	1666.524	1659.001
#3	1971.048	25833.17	2150.798	1674.794	1658.727

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCV022 Acquired: 12/23/2024 15:57:19 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV022 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.061502	4.899265	24.97157	4.987082	4.940864	405.5304	10.23573
Stddev	.025083	.024881	.17605	.038422	.029250	3.4500	.06766
%RSD	.4955560	.5078509	.7049918	.7704388	.5919927	.8507463	.6610630
#1	5.039703	4.870760	24.76846	4.943029	4.907875	401.5573	10.15768
#2	5.055888	4.910412	25.06577	5.004554	4.951086	407.7693	10.27792
#3	5.088916	4.916624	25.08047	5.013664	4.963630	407.2646	10.27158

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5105178	2.502524	410.2599	15.60108	2.510902	15.25956	416.1910
Stddev	.0041844	.015879	2.5778	.00562	.017865	.10823	3.0072
%RSD	.8196326	.6345308	.6283296	.0360546	.7114905	.7092520	.7225453
#1	.5070475	2.484230	407.2911	15.60163	2.490338	15.13483	412.7187
#2	.5151644	2.510604	411.5580	15.60642	2.522595	15.31529	417.9389
#3	.5093416	2.512738	411.9306	15.59521	2.519773	15.32857	417.9155

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.19655	411.6973	2.537109	1.331954	412.0913	2.559870	15.31654
Stddev	.12310	3.3915	.014989	.003386	.6536	.033993	.13515
%RSD	.8100589	.8237775	.5907773	.2542323	.1586165	1.327930	.8823784
#1	15.05810	407.9145	2.519810	1.329818	411.3460	2.521181	15.20609
#2	15.29366	414.4661	2.545285	1.335858	412.3602	2.573476	15.27627
#3	15.23789	412.7113	2.546232	1.330185	412.5675	2.584952	15.46724

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	153.7266	5.046465	4.888562	4.927000	5.010294	4.813658	5.051284
Stddev	1.4771	.041757	.051462	.032940	.041263	.046623	.030427
%RSD	.9608886	.8274552	1.052708	.6685578	.8235653	.9685543	.6023690
#1	152.0270	4.998291	4.836405	4.889950	4.962658	4.775421	5.016192
#2	154.7008	5.068784	4.939300	4.938076	5.033237	4.865597	5.067323
#3	154.4520	5.072320	4.889981	4.952975	5.034987	4.799957	5.070336

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCV022 Acquired: 12/23/2024 15:57:19 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV022 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.019106	4.788957	5.134688
Stddev	.032055	.031375	.034863
%RSD	.6386611	.6551428	.6789654
#1	4.982170	4.752747	5.094432
#2	5.039661	4.808063	5.154604
#3	5.035487	4.806061	5.155026

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1764.042	24166.14	2093.303	1511.083	1541.178
Stddev	8.956	100.61	9.815	5.816	8.250
%RSD	.5076974	.4163227	.4688556	.3848831	.5353081
#1	1774.342	24128.66	2103.215	1515.747	1550.538
#2	1759.696	24280.11	2083.589	1512.934	1534.962
#3	1758.088	24089.65	2093.103	1504.566	1538.035

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCB022 Acquired: 12/23/2024 16:10:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB022 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005214	-.002804	-.001236	.0060497	-.000822	.0317602
Stddev	.000649	.001197	.001660	.0022278	.002024	.0167543
%RSD	12.44632	42.67198	134.3278	36.82538	246.0323	52.75258
#1	-.005498	-.002068	.000368	.0036139	-.003046	.0399975
#2	-.005672	-.004185	-.002947	.0065510	.000911	.0124818
#3	-.004471	-.002160	-.001128	.0079841	-.000332	.0428013

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001339	.0001989	.0001321	.0178254	-.001020	.0001203
Stddev	.000135	.0001218	.0000411	.0113203	.001149	.0000819
%RSD	10.08905	61.22026	31.11125	63.50642	112.6440	68.06381
#1	-.001352	.0001129	.0000973	.0198928	-.000381	.0002012
#2	-.001467	.0003382	.0001775	.0279695	-.000333	.0000375
#3	-.001198	.0001456	.0001217	.0056139	-.002346	.0001222

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002941	.0262826	.0022393	.0647686	.0006934	.0007233
Stddev	.008780	.0646474	.0011820	.0359613	.0005680	.0005377
%RSD	298.4879	245.9700	52.78194	55.52276	81.92185	74.34028
#1	-.009071	-.008160	.0016978	.1055329	.0012498	.0006040
#2	-.006870	-.013851	.0035950	.0375365	.0001144	.0002552
#3	.007117	.100859	.0014252	.0512364	.0007158	.0013106

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.861025	.0024722	.0035927	-.095416	-.000577	-.003280
Stddev	.870854	.0098272	.0103203	.132710	.002718	.003127
%RSD	101.1416	397.5135	287.2564	139.0853	471.1086	95.35714
#1	-1.18358	-.004513	.0123356	-.016407	-.001425	-.006045
#2	-1.52458	.013709	-.007792	-.248632	.002464	.000114
#3	.12509	-.001780	.006234	-.021210	-.002770	-.003908

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCB022 Acquired: 12/23/2024 16:10:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB022 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006665	-.006644	-.075099	.0002908	-.002364	.0002221
Stddev	.0002604	.007360	.000301	.0002049	.000720	.0001038
%RSD	39.07541	110.7791	.4013442	70.45988	30.47799	46.70800
#1	.0009448	-.000775	-.074779	.0003066	-.003074	.0002659
#2	.0006260	-.004255	-.075377	.0004873	-.001633	.0002968
#3	.0004287	-.014902	-.075142	.0000784	-.002384	.0001037

Elem	Li6707
Units	ppm
Avg	F .0150740
Stddev	.0008735
%RSD	5.794380
#1	.0142623
#2	.0159982
#3	.0149616

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2028.530	26477.48	2132.566	1743.862	1837.385
Stddev	.217	130.99	7.592	9.920	2.984
%RSD	.0106911	.4947061	.3559882	.5688783	.1624095
#1	2028.639	26485.50	2137.420	1748.676	1839.874
#2	2028.670	26604.27	2136.461	1750.456	1834.077
#3	2028.280	26342.66	2123.818	1732.453	1838.203

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5039-07DLX2 Acquired: 12/23/2024 16:14:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKJ7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0284620	.0042006	.0996210	.0027436	.0136285	21.85918	.3232399
Stddev	.0032811	.0045708	.0009909	.0028909	.0021512	.07911	.0018717
%RSD	11.52788	108.8145	.9946495	105.3656	15.78443	.3619152	.5790460
#1	.0267303	.0012868	.0984968	-.000324	.0125104	21.82864	.3253638
#2	.0322461	.0018463	.1003675	.005417	.0122667	21.94901	.3225247
#3	.0264095	.0094686	.0999987	.003138	.0161085	21.79990	.3218313

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024458	.0016976	483.1678	.0355096	.0699030	.1456843	71.01772
Stddev	.0001159	.0001744	.9245	.0013996	.0001786	.0063226	.26476
%RSD	4.739154	10.27115	.1913429	3.941324	.2554999	4.339944	.3728110
#1	.0025612	.0015150	483.1808	.0338990	.0701004	.1444618	70.71270
#2	.0024468	.0018624	484.0858	.0364301	.0698560	.1525290	71.15237
#3	.0023294	.0017154	482.2369	.0361995	.0697525	.1400623	71.18810

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.139241	99.98588	.0585420	.0027369	-.749720	.0623934	.2163983
Stddev	.018898	.67862	.0007635	.0009630	.457078	.0028459	.0048901
%RSD	.4565454	.6787192	1.304238	35.18416	60.96654	4.561162	2.259782
#1	4.120033	99.23654	.0588113	.0016635	-.227953	.0614649	.2111857
#2	4.157812	100.5590	.0576803	.0035248	-.941756	.0601277	.2208848
#3	4.139880	100.1621	.0591343	.0030225	-1.07945	.0655875	.2171242

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.359786	3.831682	.0147508	.0035776	1.002381	5.361440	.0151970
Stddev	.147253	.010958	.0019807	.0001464	.002208	.032980	.0007239
%RSD	4.382805	.2859720	13.42803	4.091326	.2202551	.6151312	4.763717
#1	3.289083	3.825213	.0146076	.0034399	1.004108	5.396509	.0143709
#2	3.261218	3.825500	.0167992	.0035615	1.003143	5.356764	.0157210
#3	3.529056	3.844334	.0128455	.0037313	.999894	5.331048	.0154990

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5039-07DLX2 Acquired: 12/23/2024 16:14:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKJ7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6829972	.3930667	.0453415
Stddev	.0122013	.0012200	.0012268
%RSD	1.786432	.3103769	2.705622
#1	.6964332	.3939612	.0445812
#2	.6799500	.3935619	.0446866
#3	.6726082	.3916770	.0467568

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2192.107	28755.36	2398.793	1879.894	1708.314
Stddev	5.398	154.95	14.867	13.991	2.768
%RSD	.2462604	.5388610	.6197791	.7442360	.1620279
#1	2185.881	28907.79	2382.080	1885.638	1705.120
#2	2194.965	28598.01	2403.754	1863.946	1709.810
#3	2195.476	28760.27	2410.545	1890.100	1710.012

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5039-08DLX2 Acquired: 12/23/2024 16:18:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKJ7D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0322509	.0032954	.0987396	.0042298	.0113530	22.16409	.3282991
Stddev	.0039795	.0005150	.0019602	.0011560	.0056097	.07545	.0022535
%RSD	12.33915	15.62672	1.985242	27.32997	49.41141	.3404272	.6864026
#1	.0361771	.0029609	.1008625	.0052661	.0177827	22.24067	.3290748
#2	.0323554	.0030369	.0969981	.0044402	.0074580	22.08982	.3257603
#3	.0282202	.0038884	.0983581	.0029830	.0088182	22.16178	.3300623

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024883	.0016442	489.7892	.0357826	.0719836	.1391883	72.15277
Stddev	.0000878	.0000448	2.6685	.0001703	.0001441	.0012188	.32644
%RSD	3.528450	2.727889	.5448302	.4759151	.2002016	.8756616	.4524299
#1	.0025541	.0015940	492.4362	.0358272	.0718189	.1403478	72.41282
#2	.0025222	.0016585	489.8319	.0355944	.0720865	.1379178	72.25906
#3	.0023886	.0016802	487.0997	.0359261	.0720455	.1392994	71.78643

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.209847	101.8578	.0592873	.0023248	-1.00241	.0589461	.2349280
Stddev	.024214	.5308	.0010220	.0000955	.66207	.0047271	.0097593
%RSD	.5751832	.5211129	1.723880	4.107497	66.04764	8.019303	4.154175
#1	4.234407	102.1663	.0581301	.0022278	-.42257	.0595786	.2298732
#2	4.209140	102.1621	.0596652	.0023279	-1.72381	.0539345	.2461779
#3	4.185994	101.2449	.0600666	.0024187	-.86085	.0633250	.2287329

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.477463	3.913771	.0165987	.0030531	1.018662	5.405328	.0138068
Stddev	.076988	.009243	.0051727	.0001513	.001300	.077188	.0009397
%RSD	2.213916	.2361590	31.16307	4.955342	.1276240	1.427992	6.806020
#1	3.564185	3.904536	.0222112	.0031951	1.019942	5.475551	.0127929
#2	3.417172	3.913754	.0120230	.0030702	1.017343	5.417750	.0146485
#3	3.451033	3.923021	.0155618	.0028940	1.018700	5.322683	.0139791

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5039-08DLX2 Acquired: 12/23/2024 16:18:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKJ7D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6849268	.3979761	.0466362
Stddev	.0050469	.0031962	.0051408
%RSD	.7368470	.8031038	11.02320
#1	.6903775	.4011389	.0437016
#2	.6804159	.3980418	.0525722
#3	.6839868	.3947476	.0436349

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2153.610	28312.61	2366.731	1849.690	1673.916
Stddev	2.788	37.12	26.451	7.457	4.996
%RSD	.1294769	.1311100	1.117617	.4031278	.2984446
#1	2156.439	28305.24	2343.241	1845.258	1678.289
#2	2153.528	28352.87	2361.570	1845.512	1674.988
#3	2150.864	28279.74	2395.382	1858.298	1668.472

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5039-07LDLX10 Acquired: 12/23/2024 16:21:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKJ7L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004573	.0179097	.0252990	-.016129	.0039052	4.776188	.0681277
Stddev	.001619	.0025234	.0013827	.008844	.0040828	.026250	.0009337
%RSD	35.39457	14.08935	5.465549	54.83611	104.5483	.5495998	1.370456
#1	-.005110	.0168246	.0252149	-.026313	-.000377	4.793808	.0686612
#2	-.002754	.0207942	.0267219	-.010374	.007754	4.788736	.0686723
#3	-.005855	.0161105	.0239603	-.011700	.004339	4.746019	.0670497

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006242	.0002591	106.6016	.0068141	.0343526	.0281447	15.86352
Stddev	.0000364	.0000425	.1591	.0010690	.0007435	.0062553	.04184
%RSD	5.832975	16.40513	.1492680	15.68763	2.164409	22.22554	.2637357
#1	.0006228	.0002247	106.6146	.0076523	.0347173	.0267725	15.81607
#2	.0005885	.0003066	106.7538	.0071797	.0334971	.0226894	15.87939
#3	.0006613	.0002460	106.4364	.0056103	.0348434	.0349722	15.89509

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9265396	22.46782	.0108530	.0006561	-.688947	.0203117	.0530476
Stddev	.0032421	.10227	.0003861	.0000811	.638038	.0082817	.0103898
%RSD	.3499129	.4551669	3.557661	12.36155	92.61071	40.77319	19.58578
#1	.9300144	22.49289	.0111235	.0006987	-.155771	.0167402	.0413562
#2	.9235958	22.35535	.0104108	.0005626	-1.39586	.0297798	.0565627
#3	.9260085	22.55523	.0110248	.0007070	-.51521	.0144149	.0612238

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4238861	.7438014	.0012507	.0029254	.2082101	1.164588	.0038115
Stddev	.1304924	.0063761	.0025047	.0003506	.0062002	.008381	.0010104
%RSD	30.78478	.8572343	200.2649	11.98416	2.977875	.7196949	26.50891
#1	.5715776	.7495537	-.000349	.0028873	.2153603	1.168807	.0048478
#2	.3241814	.7369455	-.000036	.0032935	.2049499	1.154935	.0037575
#3	.3758992	.7449050	.004137	.0025954	.2043201	1.170022	.0028292

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5039-07LDLX10 Acquired: 12/23/2024 16:21:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKJ7L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1483325	.0853950	.0103239
Stddev	.0023435	.0003033	.0008943
%RSD	1.579894	.3551279	8.662536
#1	.1478736	.0852697	.0106461
#2	.1462523	.0857409	.0093132
#3	.1508714	.0851745	.0110125

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2073.812	27157.06	2215.861	1786.295	1802.150
Stddev	10.540	89.32	19.023	11.650	10.237
%RSD	.5082320	.3289183	.8584879	.6521821	.5680468
#1	2062.012	27054.34	2197.276	1773.059	1790.329
#2	2077.135	27216.48	2235.293	1794.991	1808.001
#3	2082.290	27200.36	2215.014	1790.836	1808.119

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5039-09DLX2 Acquired: 12/23/2024 16:26:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKJ7S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0727572	.0452282	.1141201	.0818997	.0931026	24.03185	2.093733
Stddev	.0040285	.0021335	.0011500	.0008133	.0000691	.20683	.014432
%RSD	5.536859	4.717241	1.007690	.9930847	.0742333	.8606459	.6892751
#1	.0771322	.0445936	.1131005	.0828387	.0931304	23.81025	2.078684
#2	.0719382	.0434840	.1138931	.0814456	.0930239	24.21978	2.107455
#3	.0692011	.0476070	.1153666	.0814148	.0931536	24.06552	2.095059

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0474865	.0496811	482.3594	.2221336	.5399411	.3560184	71.87935
Stddev	.0002444	.0001172	2.5379	.0006354	.0015479	.0022996	.41629
%RSD	.5146223	.2358532	.5261485	.2860471	.2866761	.6459317	.5791570
#1	.0474711	.0495994	479.4732	.2225004	.5415352	.3533637	71.40685
#2	.0477382	.0496285	484.2421	.2225004	.5384440	.3573980	72.19214
#3	.0472502	.0498153	483.3631	.2213999	.5398442	.3572936	72.03905

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.582487	100.3670	.5438631	.0345403	-.739294	.5134417	.6437337
Stddev	.036691	.9641	.0011036	.0002689	.513837	.0173974	.0060992
%RSD	.8006828	.9605324	.2029106	.7786395	69.50378	3.388383	.9474771
#1	4.540522	99.3078	.5444361	.0347565	-.382079	.5000446	.6493063
#2	4.608510	101.1933	.5425909	.0342391	-.507625	.5071766	.6372178
#3	4.598430	100.5998	.5445623	.0346253	-1.32818	.5331039	.6446770

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.483210	3.855071	.0151044	.0028704	1.000903	5.771222	.0138711
Stddev	.107777	.009648	.0024996	.0003366	.005204	.029261	.0014169
%RSD	3.094178	.2502562	16.54889	11.72561	.5199042	.5070157	10.21498
#1	3.551845	3.860322	.0139516	.0025000	1.004349	5.778979	.0130204
#2	3.538796	3.860954	.0133892	.0029539	1.003442	5.795822	.0130862
#3	3.358988	3.843937	.0179724	.0031574	.994917	5.738864	.0155068

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5039-09DLX2 Acquired: 12/23/2024 16:26:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKJ7S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7021624	.3907131	.0438329
Stddev	.0063198	.0014870	.0041187
%RSD	.9000449	.3805837	9.396418
#1	.6961035	.3890081	.0467368
#2	.7016695	.3917414	.0456427
#3	.7087142	.3913897	.0391191

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2182.621	28657.01	2394.483	1870.379	1694.721
Stddev	5.619	80.31	10.743	.744	2.730
%RSD	.2574534	.2802478	.4486514	.0397674	.1611057
#1	2179.063	28638.78	2392.364	1870.975	1691.726
#2	2189.099	28587.38	2384.958	1869.545	1697.071
#3	2179.702	28744.87	2406.128	1870.616	1695.367

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5039-16DLX2 Acquired: 12/23/2024 16:29:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKL8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0283264	-.000631	.1108515	.0126707	.0169476	23.56466	.2942591
Stddev	.0017278	.003689	.0017858	.0033106	.0056175	.03466	.0009652
%RSD	6.099720	584.2709	1.611011	26.12820	33.14619	.1470842	.3279984
#1	.0264761	.003302	.1121109	.0096060	.0210414	23.58602	.2949029
#2	.0298978	-.001180	.1088077	.0122241	.0192580	23.58330	.2947249
#3	.0286052	-.004016	.1116358	.0161819	.0105433	23.52467	.2931493

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030781	.0013843	526.5025	.0390683	.0709183	.0911562	87.63542
Stddev	.0000889	.0000505	1.6423	.0007268	.0008461	.0021142	.10983
%RSD	2.887070	3.644818	.3119313	1.860366	1.193010	2.319341	.1253278
#1	.0030684	.0014226	528.3204	.0382560	.0718156	.0900675	87.74169
#2	.0029945	.0014032	526.0610	.0396571	.0701351	.0935929	87.64223
#3	.0031715	.0013271	525.1260	.0392917	.0708043	.0898081	87.52235

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.697793	238.2402	.0577228	.0035725	-.589211	.0836824	.3433279
Stddev	.007218	.6465	.0009597	.0002206	.630902	.0093237	.0028883
%RSD	.1952072	.2713588	1.662526	6.175934	107.0757	11.14182	.8412714
#1	3.705893	238.9607	.0579875	.0038260	-1.12375	.0809385	.3400202
#2	3.692043	237.7111	.0585222	.0034240	-.75058	.0940702	.3446123
#3	3.695442	238.0487	.0566585	.0034675	.10670	.0760385	.3453513

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.929945	3.606482	.0189812	.0040694	.9178695	5.712012	.0165653
Stddev	.071865	.006626	.0024011	.0004620	.0041557	.012182	.0018779
%RSD	2.452791	.1837298	12.64992	11.35240	.4527573	.2132687	11.33627
#1	2.951065	3.613145	.0167987	.0042222	.9150356	5.725810	.0185404
#2	2.849886	3.599893	.0215532	.0035503	.9159328	5.702746	.0163526
#3	2.988884	3.606407	.0185916	.0044355	.9226400	5.707479	.0148028

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5039-16DLX2 Acquired: 12/23/2024 16:29:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKL8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3363689	.1813580	.0468555
Stddev	.0004485	.0006347	.0034431
%RSD	.1333386	.3499715	7.348430
#1	.3360970	.1820842	.0429857
#2	.3368866	.1810803	.0495803
#3	.3361231	.1809094	.0480004

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2158.235	28262.32	2368.034	1845.029	1678.282
Stddev	7.133	87.02	12.035	5.788	5.040
%RSD	.3304952	.3078925	.5082412	.3137182	.3003346
#1	2154.644	28239.64	2354.137	1839.762	1672.848
#2	2153.611	28188.89	2374.984	1844.098	1679.191
#3	2166.450	28358.43	2374.981	1851.226	1682.805

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5180-01DLX4 Acquired: 12/23/2024 16:33:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYW9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2612144	-.133731	.1278111	.1853724	.0626960	54.39113	.8458765
Stddev	.0039434	.003118	.0007845	.0024162	.0035519	.27432	.0060197
%RSD	1.509657	2.331243	.6138101	1.303444	5.665233	.5043386	.7116486
#1	.2583783	-.135208	.1279584	.1863195	.0585984	54.63645	.8520120
#2	.2657176	-.135835	.1269634	.1826261	.0648960	54.44201	.8456377
#3	.2595473	-.130149	.1285115	.1871716	.0645937	54.09494	.8399798

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059447	.0024989	22.52062	.1335551	.1196720	.1832151	319.8103
Stddev	.0000824	.0001314	.07477	.0008170	.0008795	.0033892	1.1317
%RSD	1.386105	5.259915	.3320069	.6117063	.7349168	1.849848	.3538712
#1	.0060358	.0024089	22.59433	.1328456	.1190639	.1793320	320.9031
#2	.0058753	.0024381	22.52270	.1344483	.1192716	.1847346	319.8846
#3	.0059228	.0026498	22.44483	.1333714	.1206804	.1855786	318.6433

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.60374	33.80252	.1202556	.0118167	-.878976	.3559816	.3436356
Stddev	.08162	.14295	.0008965	.0007034	.528021	.0083500	.0054810
%RSD	.4636311	.4228996	.7454727	5.952364	60.07226	2.345639	1.594999
#1	17.69316	33.91086	.1195824	.0124660	-1.20523	.3636090	.3384452
#2	17.58479	33.64050	.1212732	.0110695	-.26978	.3572757	.3430947
#3	17.53326	33.85619	.1199112	.0119146	-1.16192	.3470600	.3493670

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.074464	2.595960	-.052552	-.000069	.2021095	2.538028	.0257577
Stddev	.175401	.005530	.002621	.000161	.0060684	.020082	.0018118
%RSD	2.172299	.2130407	4.988322	232.2024	3.002509	.7912306	7.033988
#1	8.275386	2.590592	-.055256	-.000244	.1951457	2.550899	.0237858
#2	7.996109	2.595649	-.050022	.000073	.2049177	2.548297	.0261386
#3	7.951899	2.601639	-.052376	-.000037	.2062651	2.514888	.0273489

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5180-01DLX4 Acquired: 12/23/2024 16:33:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYW9 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.5620164	-.184522	.0534683
Stddev	.0052233	.000599	.0021718
%RSD	.9293853	.3244110	4.061940
#1	.5680474	-.185169	.0554426
#2	.5589442	-.184410	.0511419
#3	.5590577	-.183988	.0538202

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2161.655	28058.93	2285.119	1854.031	1868.857
Stddev	4.354	152.40	29.200	15.109	2.196
%RSD	.2014081	.5431406	1.277850	.8149426	.1175030
#1	2156.714	27994.12	2270.230	1838.228	1866.711
#2	2163.324	27949.65	2266.363	1855.529	1871.100
#3	2164.928	28233.02	2318.763	1868.335	1868.761

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5180-03DLX4 Acquired: 12/23/2024 16:37:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3684136	-.130532	.1173124	.1790445	.0618933	71.36608	1.188434
Stddev	.0047431	.000610	.0010879	.0040255	.0021061	.10988	.002089
%RSD	1.287430	.4672985	.9273529	2.248310	3.402762	.1539737	.1757514
#1	.3629446	-.131129	.1176056	.1750247	.0621363	71.34457	1.190389
#2	.3708943	-.130557	.1161079	.1790331	.0638674	71.26854	1.186233
#3	.3714018	-.129910	.1182236	.1830756	.0596763	71.48513	1.188680

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056599	.0027002	20.38726	.2432190	.1502870	.3436109	306.5915
Stddev	.0000575	.0001610	.04295	.0010421	.0007687	.0066431	.2719
%RSD	1.015450	5.964134	.2106804	.4284732	.5115116	1.933331	.0886734
#1	.0056466	.0026274	20.43009	.2436303	.1494598	.3508322	306.5296
#2	.0056102	.0028847	20.38752	.2439927	.1504215	.3377595	306.3559
#3	.0057228	.0025883	20.34418	.2420340	.1509795	.3422410	306.8890

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.62396	48.67022	.1753824	.0100385	-.228645	.5403198	.2929230
Stddev	.04464	.18162	.0003311	.0004807	.258600	.0043518	.0149439
%RSD	.2532750	.3731583	.1888043	4.788089	113.1014	.8054138	5.101646
#1	17.57589	48.60261	.1750090	.0101577	-.442800	.5385234	.2924962
#2	17.63188	48.53211	.1754981	.0104483	.058647	.5371537	.3080757
#3	17.66410	48.87595	.1756403	.0095094	-.301781	.5452822	.2781970

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.301398	2.006593	-.057653	-.000151	.1804981	2.885376	.0248911
Stddev	.039398	.002834	.003515	.000214	.0038117	.020035	.0022271
%RSD	.4235742	.1412127	6.097181	141.9101	2.111744	.6943497	8.947351
#1	9.293670	2.009797	-.054366	-.000224	.1845021	2.890052	.0231984
#2	9.344088	2.005564	-.057234	-.000318	.1800789	2.863418	.0274140
#3	9.266436	2.004418	-.061359	.000090	.1769134	2.902660	.0240607

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5180-03DLX4 Acquired: 12/23/2024 16:37:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7105369	-.170852	.0609448
Stddev	.0079630	.000413	.0031500
%RSD	1.120705	.2417045	5.168572
#1	.7137693	-.170550	.0576394
#2	.7014659	-.171322	.0612829
#3	.7163754	-.170683	.0639121

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2138.273	27681.83	2262.610	1831.689	1832.524
Stddev	1.997	94.78	14.754	6.068	2.374
%RSD	.0933754	.3423765	.6520787	.3312524	.1295531
#1	2137.686	27681.77	2255.862	1825.467	1835.265
#2	2136.635	27587.09	2279.532	1832.011	1831.169
#3	2140.497	27776.64	2252.437	1837.589	1831.137

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5180-04DLX5 Acquired: 12/23/2024 16:41:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1244900	-.119189	.1971117	.1736406	.0608865	27.48356	1.217853
Stddev	.0062969	.002388	.0011972	.0011248	.0030191	.10816	.005244
%RSD	5.058141	2.003443	.6073880	.6477977	4.958621	.3935620	.4305774
#1	.1175095	-.117820	.1959788	.1726645	.0587829	27.60839	1.223500
#2	.1297425	-.121946	.1969920	.1733866	.0643459	27.42495	1.216921
#3	.1262180	-.117801	.1983642	.1748707	.0595307	27.41736	1.213138

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0045475	.0036008	15.46486	.0597382	.0993300	.2382965	293.4298
Stddev	.0002470	.0000547	.07642	.0007572	.0004393	.0018634	1.0742
%RSD	5.430440	1.519992	.4941673	1.267538	.4422837	.7819589	.3660870
#1	.0046783	.0035439	15.55310	.0605962	.0988396	.2362218	294.0715
#2	.0042627	.0036056	15.41979	.0594549	.0996877	.2388401	294.0282
#3	.0047015	.0036530	15.42169	.0591636	.0994626	.2398277	292.1897

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	21.63119	16.94451	.0714074	.0433326	-.376543	.1457444	.4347215
Stddev	.07841	.16125	.0006938	.0015208	.217153	.0018157	.0164692
%RSD	.3624679	.9516441	.9716151	3.509629	57.67003	1.245817	3.788445
#1	21.71495	16.93767	.0721897	.0420406	-.563031	.1478410	.4513907
#2	21.61906	16.78679	.0711659	.0450086	-.428462	.1446840	.4184599
#3	21.55955	17.10908	.0708667	.0429486	-.138137	.1447083	.4343140

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.152403	1.797810	-.061936	-.000750	.2043205	1.577892	.0226679
Stddev	.124578	.006225	.004769	.000354	.0050718	.010416	.0008753
%RSD	1.741765	.3462531	7.699764	47.26282	2.482289	.6600907	3.861510
#1	7.023888	1.803839	-.067435	-.000437	.1985607	1.583004	.0220339
#2	7.272631	1.791406	-.058943	-.000677	.2081178	1.565908	.0236666
#3	7.160689	1.798186	-.059429	-.001135	.2062831	1.584764	.0223033

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5180-04DLX5 Acquired: 12/23/2024 16:41:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3994755	-.172553	.0348150
Stddev	.0043761	.001446	.0025443
%RSD	1.095462	.8380483	7.308097
#1	.4006122	-.173050	.0324043
#2	.3946433	-.173685	.0374747
#3	.4031712	-.170924	.0345661

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2128.047	27536.73	2227.524	1818.539	1883.058
Stddev	4.897	54.36	12.292	5.029	4.614
%RSD	.2301209	.1974209	.5518167	.2765214	.2450008
#1	2133.647	27522.36	2217.222	1821.491	1888.075
#2	2125.922	27491.00	2241.130	1821.394	1882.099
#3	2124.571	27596.84	2224.219	1812.733	1878.999

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5180-05DLX8 Acquired: 12/23/2024 16:45:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1727602	-.064109	.0908377	.0934835	.0311365	27.56073	.5781977
Stddev	.0017545	.006830	.0008186	.0032748	.0017452	.28713	.0067827
%RSD	1.015553	10.65384	.9011547	3.503032	5.605054	1.041791	1.173080
#1	.1744279	-.070721	.0914036	.0902859	.0331516	27.60324	.5809773
#2	.1729225	-.064525	.0898991	.0968303	.0301202	27.82422	.5831490
#3	.1709302	-.057080	.0912104	.0933342	.0301375	27.25471	.5704667

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025967	.0019653	10.65234	.0816324	.0634173	.1726193	152.3868
Stddev	.0001414	.0000850	.12073	.0006477	.0003848	.0040469	1.7292
%RSD	5.446026	4.323841	1.133334	.7933877	.6067205	2.344389	1.134712
#1	.0027059	.0019480	10.76816	.0821592	.0634567	.1679985	152.9943
#2	.0024370	.0018903	10.66162	.0818288	.0637809	.1755323	153.7302
#3	.0026472	.0020576	10.52724	.0809093	.0630144	.1743272	150.4359

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.32144	18.61084	.0719617	.0054263	-.719999	.1943084	.1598083
Stddev	.09723	.23206	.0010056	.0005148	.758926	.0152989	.0165327
%RSD	.9420454	1.246884	1.397358	9.487354	105.4066	7.873506	10.34531
#1	10.35666	18.80943	.0714921	.0049504	-.832899	.2076506	.1788863
#2	10.39616	18.66733	.0712769	.0059728	-1.41615	.1976646	.1508623
#3	10.21151	18.35575	.0731162	.0053559	.08905	.1776101	.1496763

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.435059	.8831737	-.029875	.0012313	.1492220	1.511695	.0121970
Stddev	.050047	.0039190	.002348	.0000715	.0008950	.020893	.0009355
%RSD	2.055258	.4437427	7.858124	5.806133	.5997978	1.382077	7.670076
#1	2.414148	.8787241	-.028684	.0013048	.1490050	1.512574	.0120530
#2	2.398859	.8861123	-.032580	.0012270	.1484554	1.532134	.0113419
#3	2.492170	.8846846	-.028362	.0011620	.1502055	1.490376	.0131962

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5180-05DLX8 Acquired: 12/23/2024 16:45:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3397215	-.081704	.0263092
Stddev	.0024942	.001227	.0036552
%RSD	.7341967	1.501269	13.89312
#1	.3376484	-.081962	.0221169
#2	.3424895	-.082780	.0279826
#3	.3390264	-.080368	.0288280

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2115.768	27412.43	2248.225	1810.742	1868.404
Stddev	3.450	114.95	30.708	18.153	2.686
%RSD	.1630641	.4193501	1.365876	1.002508	.1437507
#1	2112.942	27317.33	2242.983	1790.054	1865.592
#2	2119.613	27379.77	2220.476	1818.163	1870.942
#3	2114.750	27540.17	2281.217	1824.008	1868.679

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5180-06DLX8 Acquired: 12/23/2024 16:49:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1338164	-.069488	.0795642	.0983636	.0340737	27.34383	.6591959
Stddev	.0070003	.001799	.0009183	.0029191	.0018525	.14453	.0037951
%RSD	5.231312	2.588435	1.154112	2.967667	5.436795	.5285622	.5757165
#1	.1305250	-.069944	.0785640	.0971598	.0323117	27.29023	.6578629
#2	.1290683	-.071014	.0797593	.1016921	.0339043	27.50750	.6634776
#3	.1418558	-.067505	.0803692	.0962389	.0360051	27.23375	.6562471

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0029002	.0015044	8.359636	.0713879	.0603482	.1518770	168.2251
Stddev	.0002388	.0000150	.039949	.0005351	.0002782	.0051163	.6889
%RSD	8.234285	.9946625	.4778815	.7496136	.4609070	3.368707	.4095280
#1	.0029672	.0015088	8.397528	.0717970	.0600707	.1558434	167.8995
#2	.0026350	.0015166	8.317906	.0715845	.0606269	.1461021	169.0165
#3	.0030984	.0014877	8.363474	.0707823	.0603469	.1536856	167.7593

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.53022	18.95879	.0627185	.0053574	-.467783	.2044779	.1992833
Stddev	.03659	.16073	.0002392	.0008506	.812001	.0044193	.0081915
%RSD	.3173152	.8478084	.3813435	15.87745	173.5847	2.161251	4.110485
#1	11.52923	18.92655	.0625452	.0043911	.000885	.2040409	.1898333
#2	11.56730	19.13321	.0629914	.0056879	.001166	.2090994	.2036547
#3	11.49414	18.81663	.0626190	.0059932	-1.40540	.2002933	.2043618

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.362809	1.043820	-.032875	-.000401	.0522989	1.057526	.0117763
Stddev	.105281	.002612	.002223	.000453	.0019033	.002805	.0005899
%RSD	1.963172	.2502733	6.761804	112.8759	3.639180	.2652083	5.008993
#1	5.484213	1.041447	-.030310	-.000604	.0505792	1.057446	.0124574
#2	5.307585	1.046619	-.034240	.000118	.0543438	1.054762	.0114255
#3	5.296630	1.043394	-.034076	-.000717	.0519737	1.060369	.0114461

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5180-06DLX8 Acquired: 12/23/2024 16:49:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3293643	-.110852	.0278099
Stddev	.0057244	.000414	.0051803
%RSD	1.738017	.3736351	18.62733
#1	.3308278	-.110799	.0325249
#2	.3342148	-.111291	.0222647
#3	.3230502	-.110467	.0286401

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2098.390	27320.37	2208.407	1805.975	1853.427
Stddev	2.692	98.55	2.844	3.848	3.622
%RSD	.1283003	.3607021	.1287806	.2130844	.1954330
#1	2095.570	27425.79	2209.004	1810.109	1851.449
#2	2098.666	27230.57	2205.312	1802.497	1851.225
#3	2100.934	27304.76	2210.906	1805.319	1857.608

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5180-07DLX8 Acquired: 12/23/2024 16:53:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0808820	-.080155	.1149807	.1179792	.0381783	17.32849	.4943321
Stddev	.0016256	.004411	.0023504	.0056538	.0010023	.88167	.0260633
%RSD	2.009848	5.503242	2.044139	4.792223	2.625184	5.087980	5.272422
#1	.0827390	-.084822	.1144704	.1232028	.0393337	18.20871	.5213368
#2	.0801912	-.079588	.1129273	.1119761	.0375433	16.44537	.4693253
#3	.0797160	-.076055	.1175442	.1187588	.0376580	17.33140	.4923340

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031631	.0017696	9.169349	.0303136	.0610327	.1433330	189.8767
Stddev	.0002695	.0001672	.428010	.0003541	.0003952	.0062347	9.0312
%RSD	8.521060	9.446994	4.667838	1.168042	.6475695	4.349816	4.756349
#1	.0034736	.0015927	9.611473	.0299259	.0609653	.1503724	199.2999
#2	.0029897	.0017911	8.757008	.0306198	.0614573	.1385067	181.2967
#3	.0030259	.0019249	9.139567	.0303952	.0606756	.1411199	189.0335

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.86184	9.727909	.0428747	.0078409	-1.81959	.0805264	.2043424
Stddev	.59104	.467250	.0009073	.0005817	.93038	.0146651	.0184524
%RSD	4.982741	4.803187	2.116188	7.419348	51.13120	18.21159	9.030135
#1	12.48547	10.15088	.0433781	.0081961	-.94048	.0924947	.1830357
#2	11.30993	9.22635	.0434187	.0071695	-2.79391	.0641675	.2150909
#3	11.79012	9.80650	.0418273	.0081570	-1.72436	.0849170	.2149006

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.653189	1.092703	-.033682	-.000362	.1301649	.9565983	.0147130
Stddev	.316516	.002103	.003919	.000600	.0039938	.0415864	.0022047
%RSD	11.92965	.1924812	11.63473	165.8674	3.068265	4.347325	14.98490
#1	2.970510	1.090360	-.029259	-.000921	.1259266	1.001483	.0168568
#2	2.337484	1.093320	-.036721	.000271	.1338582	.919376	.0148303
#3	2.651572	1.094429	-.035065	-.000435	.1307098	.948936	.0124520

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5180-07DLX8 Acquired: 12/23/2024 16:53:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1460185	-.133099	.0246778
Stddev	.0102487	.005850	.0064275
%RSD	7.018765	4.395180	26.04563
#1	.1571537	-.139070	.0303381
#2	.1369807	-.127378	.0176903
#3	.1439212	-.132850	.0260049

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2092.215	27242.88	2179.648	1806.287	1860.934
Stddev	5.625	82.31	81.259	6.322	6.763
%RSD	.2688561	.3021213	3.728059	.3500008	.3634265
#1	2087.512	27259.58	2090.574	1799.036	1855.491
#2	2098.446	27153.50	2249.726	1809.185	1868.505
#3	2090.687	27315.55	2198.643	1810.641	1858.805

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5180-08DLX8 Acquired: 12/23/2024 16:57:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1214305	-.062212	.0787288	.0948772	.0296667	27.96856	.5096963
Stddev	.0043938	.002473	.0009439	.0049579	.0029277	.09803	.0032500
%RSD	3.618352	3.974871	1.198893	5.225614	9.868720	.3505163	.6376356
#1	.1166113	-.059363	.0795205	.0892379	.0330464	27.85584	.5084820
#2	.1252138	-.063799	.0789818	.0985508	.0280498	28.01594	.5133786
#3	.1224663	-.063475	.0776843	.0968431	.0279041	28.03391	.5072283

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027222	.0012656	10.30301	.0666501	.0617868	.1279810	157.1514
Stddev	.0001342	.0000621	.02291	.0004009	.0004947	.0012020	.4547
%RSD	4.930522	4.909271	.2223756	.6014722	.8006788	.9391834	.2893405
#1	.0026325	.0011954	10.29411	.0662762	.0612202	.1289174	156.6863
#2	.0026576	.0013136	10.32904	.0666009	.0620073	.1284000	157.5949
#3	.0028765	.0012877	10.28589	.0670734	.0621330	.1266256	157.1729

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.48573	18.03338	.0616511	.0045555	-.787005	.1706052	.2043660
Stddev	.03450	.08704	.0002442	.0007762	.881106	.0066887	.0042138
%RSD	.3290578	.4826730	.3961214	17.03968	111.9568	3.920585	2.061881
#1	10.44900	17.97678	.0619280	.0042911	-1.40117	.1640261	.2066180
#2	10.51746	17.98975	.0614665	.0054294	.22254	.1703912	.1995047
#3	10.49074	18.13361	.0615587	.0039460	-1.18238	.1773984	.2069753

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.602760	1.127083	-.029900	-.000231	.1402103	1.293490	.0126086
Stddev	.079865	.003813	.006469	.000238	.0087205	.004246	.0020289
%RSD	1.735145	.3382994	21.63462	103.0010	6.219582	.3282759	16.09119
#1	4.622118	1.130143	-.028759	-.000309	.1431092	1.293277	.0129990
#2	4.671165	1.122812	-.024078	-.000420	.1304095	1.289353	.0144138
#3	4.514995	1.128294	-.036864	.000036	.1471120	1.297838	.0104128

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5180-08DLX8 Acquired: 12/23/2024 16:57:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX6 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3604452	-.089599	.0279636
Stddev	.0043570	.000821	.0013883
%RSD	1.208777	.9160866	4.964675
#1	.3644887	-.088679	.0269091
#2	.3610159	-.090257	.0295365
#3	.3558310	-.089862	.0274451

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2110.757	27301.83	2213.829	1806.323	1864.888
Stddev	8.569	81.62	14.059	5.649	6.767
%RSD	.4059773	.2989574	.6350646	.3127417	.3628598
#1	2100.863	27237.83	2211.190	1801.793	1857.099
#2	2115.624	27393.75	2229.020	1812.653	1869.323
#3	2115.785	27273.92	2201.276	1804.524	1868.243

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5180-09DLX8 Acquired: 12/23/2024 17:01:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0679677	-.079278	.0903220	.1128582	.0400173	19.09742	.5494827
Stddev	.0027153	.003745	.0008835	.0064350	.0004436	.06832	.0017801
%RSD	3.995002	4.723519	.9781842	5.701805	1.108493	.3577270	.3239530
#1	.0710732	-.077766	.0909215	.1188588	.0400978	19.02103	.5495020
#2	.0667889	-.083542	.0893073	.1060627	.0404151	19.11857	.5476930
#3	.0660409	-.076526	.0907370	.1136530	.0395390	19.15266	.5512530

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032363	.0013669	9.591860	.0319174	.0594046	.0939794	189.3162
Stddev	.0001213	.0001173	.039620	.0010779	.0004906	.0035032	.4859
%RSD	3.747326	8.579208	.4130598	3.377109	.8258274	3.727608	.2566729
#1	.0031023	.0014591	9.605252	.0306773	.0595497	.0899823	189.3012
#2	.0032683	.0014066	9.547280	.0326297	.0588579	.0965162	188.8380
#3	.0033385	.0012349	9.623049	.0324451	.0598063	.0954396	189.8095

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.84537	11.45370	.0454767	.0070553	-1.00402	.0797815	.2176015
Stddev	.02587	.09283	.0004033	.0015651	.65543	.0074571	.0036271
%RSD	.2384896	.8104400	.8867159	22.18296	65.28115	9.346921	1.666831
#1	10.81928	11.34680	.0451599	.0076969	-1.21359	.0854905	.2183836
#2	10.84583	11.51382	.0453396	.0081977	-.26943	.0825095	.2207737
#3	10.87100	11.50050	.0459306	.0052714	-1.52904	.0713445	.2136472

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.859870	1.066586	-.039715	-.000313	.0980994	1.042594	.0130365
Stddev	.211577	.002361	.007038	.000349	.0019207	.002586	.0003372
%RSD	4.353559	.2213300	17.72043	111.5754	1.957956	.2480301	2.586840
#1	4.621614	1.063984	-.034522	-.000582	.0991498	1.043513	.0134174
#2	5.025799	1.068591	-.047725	.000082	.0992660	1.044595	.0127761
#3	4.932198	1.067182	-.036897	-.000439	.0958826	1.039674	.0129159

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5180-09DLX8 Acquired: 12/23/2024 17:01:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3062632	-.129388	.0255977
Stddev	.0039898	.000645	.0025480
%RSD	1.302732	.4983927	9.953841
#1	.3017159	-.129322	.0235798
#2	.3078965	-.128779	.0284609
#3	.3091771	-.130064	.0247525

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2108.682	27373.60	2214.943	1806.069	1874.644
Stddev	6.975	77.83	7.013	15.695	6.219
%RSD	.3307760	.2843358	.3166430	.8690362	.3317429
#1	2103.261	27456.64	2222.949	1806.188	1870.188
#2	2106.234	27361.84	2211.996	1821.705	1871.996
#3	2116.551	27302.31	2209.883	1790.315	1881.749

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5180-10DLX10 Acquired: 12/23/2024 17:05:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0734615	-.061408	.1146291	.0897823	.0257612	14.40760	.7965419
Stddev	.0028255	.001039	.0005781	.0017497	.0011327	.02295	.0021756
%RSD	3.846261	1.691599	.5043512	1.948852	4.396783	.1592701	.2731301
#1	.0764455	-.060661	.1147779	.0896957	.0270018	14.39253	.7989032
#2	.0731120	-.060969	.1151183	.0915738	.0247823	14.43401	.7961036
#3	.0708270	-.062594	.1139911	.0880775	.0254995	14.39626	.7946188

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0021555	.0017530	6.781638	.0331413	.0483335	.1625546	143.5123
Stddev	.0001401	.0000556	.025049	.0002834	.0000567	.0038139	.3684
%RSD	6.502177	3.173383	.3693600	.8552261	.1172099	2.346232	.2566889
#1	.0021125	.0017567	6.807290	.0328843	.0482880	.1667604	143.1179
#2	.0023121	.0016956	6.780384	.0334453	.0483155	.1615828	143.8474
#3	.0020419	.0018067	6.757240	.0330942	.0483970	.1593206	143.5718

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.65582	9.702485	.0403853	.0067543	-1.35788	.0858879	.1991685
Stddev	.02175	.034280	.0007222	.0002500	.34073	.0029893	.0103043
%RSD	.2040832	.3533126	1.788182	3.702029	25.09286	3.480488	5.173640
#1	10.63117	9.740960	.0404605	.0065019	-1.07571	.0824713	.1978969
#2	10.67231	9.675193	.0396285	.0070019	-1.26151	.0871705	.2100496
#3	10.66396	9.691301	.0410669	.0067592	-1.73641	.0880219	.1895591

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.768568	.7905719	-.031693	-.000285	.0471137	.6451860	.0090122
Stddev	.055199	.0040664	.003648	.000780	.0041983	.0054542	.0015725
%RSD	1.993766	.5143661	11.51144	273.5009	8.911003	.8453621	17.44841
#1	2.799820	.7862651	-.034672	.000566	.0453110	.6489522	.0079001
#2	2.801050	.7911055	-.027624	-.000966	.0519123	.6389314	.0083252
#3	2.704834	.7943453	-.032782	-.000456	.0441178	.6476743	.0108113

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5180-10DLX10 Acquired: 12/23/2024 17:05:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYX8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1816231	-.093450	.0182110
Stddev	.0019798	.000169	.0040877
%RSD	1.090063	.1803705	22.44619
#1	.1834869	-.093257	.0159201
#2	.1818376	-.093568	.0229304
#3	.1795447	-.093525	.0157826

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2087.463	27126.05	2200.538	1793.840	1861.005
Stddev	5.911	93.60	11.609	9.849	4.995
%RSD	.2831568	.3450427	.5275430	.5490480	.2683777
#1	2093.813	27038.56	2188.429	1783.687	1865.364
#2	2086.458	27114.85	2211.572	1794.478	1862.096
#3	2082.120	27224.75	2201.614	1803.354	1855.556

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5181-10DLX4 Acquired: 12/23/2024 17:09:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYY8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0750166	-.085997	.1097178	.1264466	.0422131	34.17853	.6450045
Stddev	.0018881	.001271	.0018304	.0036097	.0021424	.23090	.0025368
%RSD	2.516910	1.477975	1.668254	2.854693	5.075154	.6755780	.3933038
#1	.0759375	-.084568	.1081803	.1257551	.0439071	34.02920	.6429670
#2	.0762676	-.086423	.1092305	.1232328	.0398048	34.06192	.6442007
#3	.0728448	-.087000	.1117425	.1303520	.0429274	34.44449	.6478459

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035129	.0015836	15.13341	.0538030	.0889977	.1405305	210.6339
Stddev	.0000324	.0000218	.09456	.0006966	.0010246	.0062274	.7431
%RSD	.9226171	1.375021	.6248567	1.294660	1.151263	4.431329	.3528107
#1	.0034885	.0015859	15.04764	.0530616	.0878528	.1380005	209.9534
#2	.0035497	.0015607	15.11777	.0544439	.0893121	.1476247	210.5216
#3	.0035006	.0016041	15.23482	.0539034	.0898283	.1359664	211.4269

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.09411	20.83357	.0650005	.0099781	-1.45490	.1108992	.3648029
Stddev	.08255	.12914	.0003479	.0016164	.47527	.0020006	.0036436
%RSD	.4829249	.6198639	.5351489	16.19974	32.66654	1.803986	.9987887
#1	17.04269	20.90893	.0647790	.0090349	-1.58261	.1111746	.3643010
#2	17.05030	20.68445	.0648211	.0118446	-1.85327	.1087751	.3686714
#3	17.18933	20.90732	.0654015	.0090549	-.92883	.1127478	.3614362

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.506589	1.714550	-.045575	-.001230	.1323273	2.545351	.0140175
Stddev	.087037	.005214	.006843	.000378	.0076657	.008746	.0004918
%RSD	1.580590	.3041263	15.01497	30.73566	5.792999	.3435986	3.508305
#1	5.449548	1.708533	-.042015	-.000793	.1365534	2.535254	.0145817
#2	5.463449	1.717367	-.053464	-.001446	.1369497	2.550248	.0137907
#3	5.606769	1.717751	-.041245	-.001451	.1234786	2.550552	.0136800

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5181-10DLX4 Acquired: 12/23/2024 17:09:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCYY8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4562823	-.093644	.0468352
Stddev	.0060293	.000313	.0029136
%RSD	1.321397	.3340141	6.220892
#1	.4513905	-.093996	.0501797
#2	.4544382	-.093398	.0448467
#3	.4630183	-.093538	.0454793

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2123.695	27496.56	2216.300	1812.718	1866.032
Stddev	1.506	130.62	6.296	3.073	.853
%RSD	.0709320	.4750524	.2840881	.1695475	.0457338
#1	2122.689	27390.32	2217.803	1809.224	1866.768
#2	2125.427	27642.40	2221.709	1815.003	1866.230
#3	2122.970	27456.95	2209.389	1813.928	1865.096

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5184-20DLX2 Acquired: 12/23/2024 17:13:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6954414	-.196860	.4792039	.2317101	.0941987	199.2449	.4042972
Stddev	.0014519	.002515	.0029620	.0016383	.0014296	.3953	.0019824
%RSD	.2087758	1.277443	.6181107	.7070474	1.517611	.1983838	.4903387
#1	.6969288	-.194270	.4817315	.2306718	.0958417	199.3974	.4059568
#2	.6953677	-.199292	.4799356	.2335987	.0935155	199.5412	.4048328
#3	.6940277	-.197017	.4759446	.2308597	.0932389	198.7961	.4021020

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0091432	.0176197	37.39181	.8627625	.2867155	2.105859	421.4394
Stddev	.0001749	.0001354	.09150	.0022348	.0009482	.021018	.7425
%RSD	1.913355	.7684253	.2447186	.2590321	.3306988	.9980680	.1761846
#1	.0092684	.0175624	37.37052	.8627652	.2857758	2.119749	421.9232
#2	.0092180	.0175223	37.49208	.8649960	.2876719	2.116150	421.8105
#3	.0089433	.0177743	37.31282	.8605263	.2866988	2.081679	420.5845

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.712818	151.7260	.5239538	.0090086	-.902012	1.145599	1.114674
Stddev	.027132	.3918	.0007208	.0015423	.624398	.012690	.002978
%RSD	.3517747	.2582298	.1375769	17.12040	69.22276	1.107752	.2671212
#1	7.724165	151.2740	.5232796	.0072817	-.635402	1.130996	1.114537
#2	7.732434	151.9683	.5247136	.0094953	-1.61546	1.151854	1.117717
#3	7.681855	151.9357	.5238681	.0102489	-.45518	1.153949	1.111767

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.450128	2.042734	-.085894	-.000519	.3771516	8.257168	.0377393
Stddev	.094076	.002784	.006329	.000851	.0034110	.070375	.0002698
%RSD	3.839625	.1362984	7.368474	164.0211	.9044142	.8522872	.7149501
#1	2.349910	2.045219	-.078619	-.000805	.3755489	8.191958	.0379558
#2	2.463939	2.039725	-.090136	.000438	.3748371	8.331765	.0378250
#3	2.536534	2.043260	-.088926	-.001191	.3810688	8.247780	.0374370

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5184-20DLX2 Acquired: 12/23/2024 17:13:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	2.991602	-.315423	.0974277
Stddev	.009527	.000629	.0016568
%RSD	.3184476	.1994316	1.700510
#1	2.998492	-.315883	.0955162
#2	2.995584	-.315680	.0984512
#3	2.980730	-.314706	.0983156

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2165.605	28040.49	2330.818	1856.019	1793.109
Stddev	4.156	28.04	10.794	3.702	3.471
%RSD	.1918988	.0999895	.4630799	.1994357	.1935778
#1	2164.937	28027.66	2337.948	1851.860	1792.129
#2	2170.054	28021.17	2318.400	1857.246	1796.964
#3	2161.824	28072.65	2336.107	1858.952	1790.233

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5184-21DLX2 Acquired: 12/23/2024 17:17:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6943300	-.200631	.4792459	.2369211	.0936122	199.3883	.4051442
Stddev	.0060069	.003282	.0024059	.0041462	.0028427	.2608	.0003919
%RSD	.8651425	1.635862	.5020186	1.750049	3.036655	.1307870	.0967216
#1	.6940472	-.198092	.4789807	.2417085	.0968454	199.6775	.4054316
#2	.6884695	-.204337	.4769836	.2344836	.0915051	199.1712	.4046979
#3	.7004734	-.199463	.4817735	.2345713	.0924862	199.3161	.4053032

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092522	.0178849	38.03537	.8570622	.2854444	2.108289	422.1619
Stddev	.0001464	.0000874	.07076	.0020759	.0003189	.001358	.5294
%RSD	1.582606	.4887710	.1860347	.2422050	.1117031	.0644138	.1253987
#1	.0093558	.0179664	38.05605	.8589161	.2850938	2.109828	422.5986
#2	.0093162	.0177926	38.09349	.8548194	.2855223	2.107257	422.3140
#3	.0090847	.0178959	37.95658	.8574512	.2857170	2.107783	421.5731

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.734838	152.1305	.5251936	.0092437	-.853355	1.153548	1.114304
Stddev	.005648	.3621	.0010215	.0011086	.631948	.016141	.008422
%RSD	.0730213	.2380218	.1944915	11.99304	74.05460	1.399239	.7558410
#1	7.737760	152.5280	.5240338	.0094705	-1.36354	1.161611	1.119206
#2	7.738425	152.0440	.5255876	.0080392	-.14644	1.134964	1.104579
#3	7.728327	151.8195	.5259594	.0102214	-1.05009	1.164069	1.119127

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.680641	2.045144	-.092862	-.000961	.3803747	8.228447	.0385543
Stddev	.225435	.010894	.007131	.000996	.0054394	.121312	.0010341
%RSD	8.409725	.5326938	7.679590	103.6375	1.430021	1.474299	2.682198
#1	2.881683	2.039876	-.100029	-.000933	.3780128	8.361457	.0389183
#2	2.436916	2.037884	-.092791	.000021	.3865959	8.199992	.0373874
#3	2.723325	2.057671	-.085766	-.001970	.3765155	8.123892	.0393572

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5184-21DLX2 Acquired: 12/23/2024 17:17:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	2.993035	-.316374	.1007593
Stddev	.005889	.000190	.0020427
%RSD	.1967674	.0601098	2.027309
#1	2.999129	-.316166	.0986642
#2	2.987375	-.316539	.1008685
#3	2.992601	-.316415	.1027452

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2161.381	27955.20	2324.495	1858.987	1789.166
Stddev	8.422	29.63	25.122	3.190	5.593
%RSD	.3896638	.1059859	1.080755	.1716173	.3126132
#1	2156.945	27961.49	2295.893	1859.629	1787.778
#2	2171.093	27981.18	2334.603	1855.524	1795.323
#3	2156.103	27922.93	2342.988	1861.807	1784.398

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5184-20LDLX10 Acquired: 12/23/2024 17:21:36 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1403471	-.042219	.0962286	.0534637	.0192447	41.26289	.0811405
Stddev	.0020237	.002747	.0008372	.0020790	.0028389	.18579	.0015263
%RSD	1.441937	6.506650	.8700493	3.888546	14.75131	.4502670	1.881058
#1	.1424273	-.039368	.0971676	.0558097	.0211424	41.14210	.0828609
#2	.1402290	-.042441	.0959583	.0527316	.0206107	41.16973	.0799490
#3	.1383850	-.044849	.0955599	.0518498	.0159811	41.47683	.0806117

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019141	.0033163	7.867051	.1787464	.0579384	.4480010	89.07893
Stddev	.0000399	.0000432	.036812	.0006607	.0003059	.0089732	.38434
%RSD	2.084889	1.303106	.4679210	.3696559	.5280546	2.002945	.4314580
#1	.0019181	.0033651	7.861573	.1792131	.0582508	.4583617	89.33451
#2	.0018724	.0033007	7.833285	.1779903	.0579251	.4427212	88.63693
#3	.0019519	.0032830	7.906294	.1790358	.0576394	.4429201	89.26534

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.630126	31.56182	.1055011	.0023790	-.477682	.2405072	.2322672
Stddev	.009829	.04676	.0008935	.0003545	.619741	.0039473	.0125923
%RSD	.6029671	.1481662	.8468699	14.90042	129.7392	1.641243	5.421458
#1	1.631632	31.55593	.1065323	.0020165	-.820656	.2397536	.2381533
#2	1.619630	31.61125	.1050123	.0023956	-.850121	.2369911	.2178098
#3	1.639115	31.51828	.1049586	.0027249	.237731	.2447770	.2408385

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1880743	.3960599	-.024155	-.000180	.0682980	1.710983	.0067111
Stddev	.0700760	.0019443	.002398	.000206	.0045913	.017387	.0036856
%RSD	37.25973	.4909015	9.928303	114.7251	6.722476	1.016224	54.91845
#1	.1538340	.3938419	-.026881	-.000086	.0711165	1.730830	.0106742
#2	.1417017	.3968677	-.023215	-.000037	.0630000	1.703680	.0033864
#3	.2686874	.3974700	-.022369	-.000416	.0707775	1.698438	.0060725

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5184-20LDLX10 Acquired: 12/23/2024 17:21:36 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6214004	-.066833	.0222586
Stddev	.0038022	.000646	.0011012
%RSD	.6118816	.9670119	4.947148
#1	.6176953	-.067476	.0230709
#2	.6252928	-.066184	.0210053
#3	.6212133	-.066839	.0226996

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2079.273	27276.30	2214.291	1807.198	1845.263
Stddev	1.078	72.24	24.132	4.696	1.665
%RSD	.0518344	.2648450	1.089828	.2598236	.0902235
#1	2080.168	27231.71	2186.808	1802.425	1846.042
#2	2079.574	27237.54	2224.048	1807.356	1846.396
#3	2078.077	27359.64	2232.017	1811.812	1843.351

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5184-22DLX2 Acquired: 12/23/2024 17:25:37 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7826231	-.105078	.5134099	.4101163	.2567519	202.0671	4.172040
Stddev	.0088778	.002601	.0049933	.0078938	.0017993	.4195	.008671
%RSD	1.134362	2.474977	.9725776	1.924770	.7007766	.2076215	.2078413
#1	.7725245	-.102228	.5079007	.4016441	.2579647	201.6094	4.162454
#2	.7861466	-.107322	.5176376	.4172643	.2576065	202.4335	4.179337
#3	.7891982	-.105683	.5146912	.4114404	.2546847	202.1583	4.174331

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1037165	.1124486	37.82483	1.229664	1.204470	2.556892	423.4686
Stddev	.0006697	.0004839	.19766	.001516	.002626	.009820	1.1756
%RSD	.6456589	.4303244	.5225789	.1233008	.2179959	.3840630	.2776021
#1	.1031837	.1119170	37.73537	1.231219	1.202122	2.560223	422.2802
#2	.1044682	.1125652	38.05141	1.228190	1.203984	2.564614	424.6309
#3	.1034975	.1128635	37.68771	1.229582	1.207305	2.545840	423.4947

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.641239	151.8190	1.474048	.0783212	-.545199	2.112856	1.979916
Stddev	.034575	.6333	.001896	.0020547	.314251	.017952	.026904
%RSD	.4001127	.4171419	.1286045	2.623437	57.63970	.8496531	1.358840
#1	8.613975	151.1067	1.471942	.0759675	-.217569	2.108737	1.997926
#2	8.680128	152.0318	1.474583	.0792397	-.573930	2.132509	1.948990
#3	8.629614	152.3185	1.475618	.0797565	-.844099	2.097322	1.992833

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.535564	2.003198	-.103746	-.001009	.3644163	8.455370	.0385475
Stddev	.051639	.002794	.003634	.000408	.0057699	.058200	.0011476
%RSD	2.036596	.1394633	3.503146	40.43049	1.583333	.6883163	2.977171
#1	2.514173	1.999985	-.104837	-.001481	.3634203	8.458971	.0397019
#2	2.498058	2.005048	-.106710	-.000764	.3592093	8.511685	.0374067
#3	2.594462	2.004562	-.099691	-.000784	.3706194	8.395453	.0385340

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5184-22DLX2 Acquired: 12/23/2024 17:25:37 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZF8S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	2.990251	-.318053	.0984763
Stddev	.003277	.001439	.0056976
%RSD	.1096003	.4524727	5.785774
#1	2.988931	-.316516	.0970863
#2	2.993982	-.319368	.0936024
#3	2.987839	-.318276	.1047404

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2170.296	28449.08	2328.519	1879.598	1805.649
Stddev	2.146	96.73	13.696	2.266	.683
%RSD	.0988579	.3399990	.5881895	.1205788	.0378529
#1	2172.710	28337.46	2325.386	1877.343	1806.429
#2	2169.574	28508.33	2316.660	1881.876	1805.153
#3	2168.605	28501.45	2343.510	1879.573	1805.365

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5154-09DLX5 Acquired: 12/23/2024 17:29:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28P7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.008548	.0260760	.0131877	-.033446	.0001750	1.969984	.0377696
Stddev	.002694	.0055211	.0022567	.002070	.0022788	.028878	.0013360
%RSD	31.51931	21.17306	17.11199	6.188094	1302.558	1.465879	3.537166
#1	-.009346	.0220479	.0120332	-.033834	.0021854	1.939961	.0384687
#2	-.010752	.0323694	.0157880	-.035295	.0006399	1.972432	.0386110
#3	-.005545	.0238107	.0117418	-.031210	-.002300	1.997560	.0362292

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003049	.0000529	344.7415	.0084752	.0387342	.0081387	5.613802
Stddev	.0001055	.0001024	.1701	.0007561	.0008793	.0053020	.029738
%RSD	34.58609	193.6541	.0493528	8.921740	2.270001	65.14528	.5297250
#1	.0001846	-.000058	344.6201	.0088407	.0378772	.0133282	5.641818
#2	.0003813	.000074	344.6686	.0089792	.0386914	.0083569	5.616989
#3	.0003488	.000143	344.9360	.0076058	.0396341	.0027310	5.582599

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2012718	196.5844	.0131976	-.000130	-2.03743	.0149904	.0393325
Stddev	.0009585	.4590	.0005080	.000865	.54650	.0040533	.0071826
%RSD	.4762430	.2334973	3.849377	665.2576	26.82284	27.03943	18.26130
#1	.2008880	196.0579	.0126518	-.001126	-2.66393	.0119620	.0467935
#2	.2023628	196.7951	.0132845	.000297	-1.65877	.0134142	.0324651
#3	.2005647	196.9003	.0136566	.000439	-1.78959	.0195951	.0387389

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.564093	.1327785	.0038955	.0048353	2.027742	.7085349	.0073012
Stddev	.086098	.0034277	.0023325	.0003688	.017947	.0059231	.0015420
%RSD	15.26299	2.581527	59.87666	7.627120	.8850676	.8359678	21.11906
#1	-.516118	.1299349	.0041597	.0051574	2.007521	.7056437	.0060351
#2	-.663490	.1318161	.0014421	.0049154	2.033929	.7046126	.0090184
#3	-.512671	.1365846	.0060846	.0044330	2.041777	.7153484	.0068503

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5154-09DLX5 Acquired: 12/23/2024 17:29:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ME28P7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0673118	.2690500	.0046572
Stddev	.0046836	.0004047	.0053353
%RSD	6.958075	.1504164	114.5600
#1	.0633571	.2694928	.0016891
#2	.0660944	.2686993	.0108166
#3	.0724839	.2689580	.0014660

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1979.654	26218.78	2150.411	1710.980	1699.295
Stddev	13.363	137.76	5.454	13.203	14.613
%RSD	.6750140	.5254066	.2536352	.7716818	.8599620
#1	1988.115	26181.19	2156.649	1703.245	1707.265
#2	1986.599	26103.73	2146.540	1703.469	1708.190
#3	1964.249	26371.43	2148.044	1726.225	1682.429

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCV023 Acquired: 12/23/2024 17:33:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV023 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.031209	4.876313	24.55670	4.919828	4.836937	402.8975	10.19142
Stddev	.019348	.011818	.03609	.003849	.009578	2.1291	.06572
%RSD	.3845601	.2423632	.1469495	.0782373	.1980152	.5284424	.6448955
#1	5.020219	4.862667	24.51742	4.916864	4.847975	400.6052	10.12058
#2	5.019858	4.883041	24.56431	4.918441	4.830829	404.8130	10.25041
#3	5.053549	4.883230	24.58838	4.924178	4.832006	403.2744	10.20327

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5106427	2.465840	412.6283	15.32674	2.444707	15.21692	418.1073
Stddev	.0003608	.001323	1.2762	.01737	.000731	.06519	2.4364
%RSD	.0706593	.0536581	.3092777	.1133330	.0299176	.4283954	.5827225
#1	.5109487	2.464818	411.3390	15.31628	2.444423	15.17352	415.6169
#2	.5102448	2.465368	413.8909	15.31715	2.445538	15.29188	420.4859
#3	.5107346	2.467335	412.6550	15.34679	2.444161	15.18536	418.2191

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.19965	412.9929	2.493083	1.325568	410.9113	2.579388	15.38914
Stddev	.08150	3.7268	.005915	.004530	3.4489	.007990	.00904
%RSD	.5362181	.9023784	.2372382	.3417341	.8393329	.3097805	.0587587
#1	15.11475	408.7403	2.486414	1.321128	406.9649	2.573967	15.37882
#2	15.27727	415.6896	2.497693	1.330183	412.4213	2.588565	15.39293
#3	15.20692	414.5488	2.495142	1.325392	413.3477	2.575633	15.39566

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	153.1191	4.958277	4.828743	4.886634	4.884942	4.779598	4.992196
Stddev	.8883	.006178	.006100	.008321	.005708	.006835	.003273
%RSD	.5801304	.1246053	.1263314	.1702756	.1168419	.1430059	.0655605
#1	152.3570	4.958688	4.823054	4.891025	4.880448	4.787332	4.988421
#2	154.0947	4.951904	4.827990	4.877037	4.891364	4.774370	4.994233
#3	152.9057	4.964240	4.835184	4.891839	4.883015	4.777092	4.993935

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCV023 Acquired: 12/23/2024 17:33:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV023 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.031683	4.767840	5.139188
Stddev	.003203	.018420	.027029
%RSD	.0636563	.3863465	.5259363
#1	5.035206	4.748403	5.109508
#2	5.030896	4.785039	5.162388
#3	5.028946	4.770079	5.145669

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1775.359	24213.95	2078.386	1520.141	1551.678
Stddev	3.076	77.40	.927	.280	2.984
%RSD	.1732782	.3196437	.0446066	.0184348	.1923342
#1	1774.776	24299.75	2079.452	1520.446	1553.243
#2	1772.616	24192.71	2077.772	1520.081	1548.237
#3	1778.685	24149.40	2077.933	1519.896	1553.555

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCB023 Acquired: 12/23/2024 17:37:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB023 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002657	-.000934	.0036794	-.000031	.0008841	.0282710	-.001586
Stddev	.003573	.001695	.0005344	.001457	.0031621	.0199779	.000793
%RSD	134.4859	181.4575	14.52348	4696.976	357.6730	70.66578	50.00289
#1	.000106	-.000190	.0040590	-.001175	.0011279	.0269005	-.000673
#2	-.001385	-.002874	.0039109	.001610	-.002393	.0090136	-.001986
#3	-.006691	.000262	.0030683	-.000529	.003917	.0488989	-.002100

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000024	-.000097	-.017206	-.001129	-.000075	.0010175	.0313354
Stddev	.000161	.000075	.014359	.000161	.000348	.0095611	.0132398
%RSD	681.4487	77.86731	83.45583	14.29846	467.1849	939.6308	42.25184
#1	.000162	-.000154	-.006980	-.001303	.000085	-.008561	.0212438
#2	-.000128	-.000011	-.011016	-.001100	.000165	.010561	.0463266
#3	-.000105	-.000126	-.033622	-.000985	-.000474	.001053	.0264357

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009898	.0833795	.0007016	-.000059	-.933045	.0042170	-.003391
Stddev	.0017550	.2035665	.0004961	.001869	.277235	.0091686	.015630
%RSD	177.3015	244.1447	70.70384	3188.625	29.71294	217.4192	460.8938
#1	.0030006	.3175460	.0001436	-.001308	-1.22586	.0101922	-.020859
#2	-.000233	-.015988	.0008687	.002090	-.67459	-.006339	.001413
#3	.000202	-.051419	.0010926	-.000958	-.89868	.008798	.009273

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.596801	-.000858	.0088214	.0002806	-.004628	-.079119	-.000431
Stddev	.172052	.000408	.0009502	.0005114	.004581	.000533	.000151
%RSD	28.82902	47.59734	10.77149	182.2624	98.98175	.6730664	34.97596
#1	-.795032	-.001329	.0098633	.0008274	-.008839	-.079614	-.000476
#2	-.486275	-.000619	.0080025	-.000186	-.005293	-.079188	-.000555
#3	-.509096	-.000625	.0085984	.000200	.000249	-.078556	-.000263

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCB023 Acquired: 12/23/2024 17:37:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB023 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0010029	.0000461	.0098546
Stddev	.0038583	.0001172	.0051057
%RSD	384.6973	254.0990	51.81000
#1	.0051450	.0000530	.0039789
#2	.0003527	.0001597	.0123739
#3	-.002489	-.000074	.0132110

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2041.148	26763.73	2144.952	1765.502	1853.001
Stddev	7.810	82.66	8.996	8.447	8.758
%RSD	.3826111	.3088554	.4193992	.4784387	.4726512
#1	2044.618	26697.27	2155.166	1760.693	1860.544
#2	2032.205	26737.62	2138.205	1760.557	1843.395
#3	2046.621	26856.29	2141.487	1775.255	1855.062

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4978-05DLX5 Acquired: 12/23/2024 17:41:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ51 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003821	.0309689	.0861474	-.027126	.0008646	3.371960	.0239011
Stddev	.004219	.0062980	.0015451	.000922	.0008403	.041784	.0011488
%RSD	110.4113	20.33648	1.793513	3.398446	97.18788	1.239158	4.806402
#1	-.007923	.0265122	.0867270	-.026972	.0015525	3.384626	.0250177
#2	-.004047	.0381740	.0873189	-.028115	-.000072	3.325308	.0227226
#3	.000506	.0282204	.0843963	-.026291	.001113	3.405945	.0239629

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004722	.0029437	418.9507	.0106571	.0432386	.0096347	18.82457
Stddev	.0000733	.0000442	3.7380	.0006255	.0010247	.0067898	.14339
%RSD	15.53369	1.501655	.8922379	5.869198	2.369869	70.47304	.7617434
#1	.0004107	.0029791	419.3433	.0100942	.0437150	.0018769	18.73330
#2	.0005534	.0028941	415.0318	.0113305	.0439385	.0144957	18.75055
#3	.0004524	.0029578	422.4768	.0105467	.0420625	.0125314	18.98984

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.064912	237.4983	.0134111	.0020067	-1.57852	.0178885	.6033808
Stddev	.021015	2.1437	.0004384	.0010054	.04235	.0087793	.0047402
%RSD	1.017701	.9026064	3.268886	50.10185	2.682617	49.07793	.7855981
#1	2.065828	237.8786	.0138818	.0027603	-1.52963	.0280172	.6038733
#2	2.043454	235.1900	.0130145	.0023946	-1.60393	.0124587	.5984136
#3	2.085453	239.4264	.0133368	.0008651	-1.60198	.0131896	.6078555

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9096959	.2709356	.0238398	.0030010	4.140861	1.734917	.0070800
Stddev	.2049333	.0024197	.0004014	.0008144	.009135	.012821	.0022090
%RSD	22.52767	.8930856	1.683905	27.13889	.2206008	.7390107	31.20017
#1	.8333067	.2688151	.0242176	.0020700	4.130314	1.743880	.0045537
#2	1.141852	.2735714	.0238834	.0035818	4.146024	1.720231	.0080378
#3	.753929	.2704202	.0234183	.0033512	4.146246	1.740641	.0086484

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4978-05DLX5 Acquired: 12/23/2024 17:41:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ51 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0303081	.1147723	.0176824
Stddev	.0035732	.0016355	.0032300
%RSD	11.78939	1.425032	18.26662
#1	.0273642	.1149297	.0171015
#2	.0292767	.1130637	.0147822
#3	.0342836	.1163234	.0211634

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1924.206	25321.03	2128.440	1647.106	1629.145
Stddev	7.349	42.46	16.658	4.400	5.219
%RSD	.3819182	.1676693	.7826360	.2671127	.3203497
#1	1920.534	25355.09	2113.443	1642.482	1627.362
#2	1919.416	25273.47	2146.369	1651.240	1625.051
#3	1932.667	25334.54	2125.508	1647.596	1635.022

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4978-06DLX5 Acquired: 12/23/2024 17:45:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ52 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002504	.0260888	.0752226	-.024735	.0045171	2.562454	.0277576
Stddev	.005448	.0056078	.0034941	.001979	.0026487	.107310	.0014122
%RSD	217.5739	21.49497	4.645070	8.000291	58.63759	4.187787	5.087718
#1	.002747	.0197602	.0732401	-.027019	.0034345	2.512519	.0262179
#2	-.002129	.0280665	.0792571	-.023528	.0075357	2.685632	.0280624
#3	-.008130	.0304398	.0731707	-.023658	.0025812	2.489212	.0289925

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004375	.0018072	407.5088	.0079349	.0407561	.0125088	17.82947
Stddev	.0001438	.0001491	12.7206	.0008382	.0012695	.0064963	.54785
%RSD	32.85354	8.250723	3.121547	10.56295	3.114884	51.93405	3.072741
#1	.0004792	.0018849	402.6409	.0087189	.0410226	.0069120	17.58107
#2	.0005558	.0019015	421.9444	.0070515	.0418713	.0196327	18.45752
#3	.0002776	.0016353	397.9411	.0080343	.0393746	.0109818	17.44982

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.408923	229.7196	.0108464	-.000225	-1.48422	.0073251	.3699886
Stddev	.088443	7.1822	.0007922	.001452	.45494	.0026492	.0028772
%RSD	3.671464	3.126497	7.303607	644.8352	30.65192	36.16571	.7776310
#1	2.369333	226.0332	.0116987	-.001662	-1.45413	.0075341	.3685584
#2	2.510245	237.9964	.0107078	-.000256	-1.04507	.0098636	.3681068
#3	2.347191	225.1291	.0101327	.001242	-1.95346	.0045776	.3733006

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4521901	.2230720	.0194171	.0016706	3.661340	1.320003	.0076941
Stddev	.1000913	.0072073	.0012732	.0004792	.100662	.036213	.0021187
%RSD	22.13479	3.230912	6.557113	28.68509	2.749320	2.743411	27.53673
#1	.3368615	.2286733	.0200773	.0019164	3.726881	1.310142	.0089218
#2	.5033158	.2256018	.0179494	.0011184	3.711702	1.360126	.0089128
#3	.5163931	.2149409	.0202247	.0019772	3.545436	1.289742	.0052476

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4978-06DLX5 Acquired: 12/23/2024 17:45:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ52 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0135876	.1116848	.0106762
Stddev	.0054173	.0038759	.0024214
%RSD	39.86962	3.470425	22.68021
#1	.0077684	.1099450	.0096893
#2	.0184848	.1161258	.0134352
#3	.0145096	.1089836	.0089042

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2022.349	26299.19	2124.211	1709.006	1716.986
Stddev	51.079	81.42	57.270	4.091	46.954
%RSD	2.525733	.3095989	2.696057	.2393984	2.734654
#1	1990.493	26229.07	2137.219	1710.524	1686.270
#2	1995.289	26280.00	2061.556	1704.372	1693.653
#3	2081.265	26388.49	2173.859	1712.121	1771.036

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4978-07DLX5 Acquired: 12/23/2024 17:49:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ53 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005354	.0278520	.0771317	-.032949	.0017851	2.345101	.0140194
Stddev	.002269	.0030296	.0005159	.004254	.0021761	.041293	.0021234
%RSD	42.38406	10.87742	.6688316	12.91110	121.8989	1.760814	15.14578
#1	-.006009	.0249922	.0765546	-.029044	.0042973	2.360212	.0145593
#2	-.002829	.0275370	.0772924	-.032320	.0005725	2.298381	.0116782
#3	-.007224	.0310268	.0775480	-.037482	.0004856	2.376710	.0158207

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003714	.0009490	400.8446	.0073948	.0415993	.0110587	17.29286
Stddev	.0000746	.0001083	7.2844	.0003023	.0008809	.0037218	.28510
%RSD	20.09122	11.41450	1.817253	4.087734	2.117584	33.65493	1.648670
#1	.0003299	.0008516	404.8368	.0077415	.0416155	.0094582	17.40139
#2	.0003267	.0009297	392.4369	.0072567	.0407104	.0084049	16.96943
#3	.0004575	.0010657	405.2600	.0071862	.0424719	.0153131	17.50776

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.965943	227.9986	.0103937	.0014398	-1.08785	.0078807	.1940119
Stddev	.054911	4.0461	.0007578	.0017181	.66629	.0011159	.0171994
%RSD	1.851387	1.774619	7.291362	119.3282	61.24788	14.15937	8.865106
#1	2.993249	230.3145	.0107266	.0026405	-.33779	.0065938	.2027096
#2	2.902732	223.3266	.0109280	-.000528	-1.31457	.0084700	.2051253
#3	3.001849	230.3546	.0095263	.002207	-1.61119	.0085784	.1742008

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5639713	.2217980	.0145611	.0021088	3.460601	1.328545	.0073534
Stddev	.1594761	.0017509	.0019083	.0004043	.004444	.026634	.0003324
%RSD	28.27735	.7893895	13.10514	19.17138	.1284249	2.004739	4.520360
#1	.7202709	.2235068	.0138074	.0016874	3.461640	1.352742	.0071324
#2	.4014980	.2200079	.0131448	.0021455	3.455730	1.300008	.0071921
#3	.5701449	.2218792	.0167311	.0024935	3.464434	1.332886	.0077357

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4978-07DLX5 Acquired: 12/23/2024 17:49:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ53 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0082863	.1020759	.0073491
Stddev	.0015418	.0015925	.0011768
%RSD	18.60672	1.560071	16.01267
#1	.0065293	.1028159	.0072049
#2	.0094135	.1002481	.0062510
#3	.0089162	.1031638	.0085913

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1956.787	25915.93	2157.506	1685.425	1656.706
Stddev	2.180	54.13	43.054	5.381	2.199
%RSD	.1113876	.2088812	1.995550	.3192462	.1327625
#1	1954.327	25861.37	2122.994	1685.619	1654.413
#2	1958.478	25916.80	2205.752	1690.706	1658.798
#3	1957.557	25969.62	2143.773	1679.949	1656.908

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4979-14DLX2 Acquired: 12/23/2024 17:53:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJA2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0374797	.0082313	.2322187	.0157902	.0127943	25.46199	.3943019
Stddev	.0011633	.0029273	.0028288	.0009837	.0009640	.15635	.0010786
%RSD	3.103834	35.56268	1.218142	6.229868	7.534535	.6140537	.2735554
#1	.0361837	.0111501	.2307462	.0154860	.0121700	25.28337	.3942361
#2	.0378218	.0082480	.2354800	.0149945	.0139045	25.52863	.3954119
#3	.0384336	.0052957	.2304300	.0168901	.0123083	25.57399	.3932577

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025531	.0025353	527.5334	.0473093	.0737200	.2207117	77.94114
Stddev	.0000433	.0000712	1.6253	.0010182	.0003768	.0040502	.29512
%RSD	1.695915	2.808253	.3080977	2.152126	.5110752	1.835073	.3786411
#1	.0025767	.0024538	525.6711	.0463133	.0739762	.2166506	77.60192
#2	.0025032	.0025665	528.2629	.0483483	.0738965	.2247509	78.13890
#3	.0025795	.0025856	528.6662	.0472664	.0732874	.2207336	78.08259

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.51816	19.06584	.0713243	.0044529	-1.03695	.0628346	.3042279
Stddev	.03091	.15878	.0011933	.0017036	.73002	.0053993	.0122325
%RSD	.2683810	.8328102	1.673132	38.25929	70.40124	8.592959	4.020842
#1	11.48472	18.88268	.0711161	.0064096	-1.87991	.0639490	.3102653
#2	11.52405	19.16468	.0702488	.0036508	-.61407	.0675897	.3122679
#3	11.54570	19.15015	.0726081	.0032983	-.61687	.0569650	.2901504

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.877915	4.427597	-.002759	.0090856	.8590088	4.837912	.0200951
Stddev	.171639	.006209	.002782	.0005703	.0084221	.039310	.0021203
%RSD	9.139877	.1402329	100.8379	6.276571	.9804435	.8125385	10.55149
#1	2.021660	4.422621	-.003567	.0093964	.8521025	4.792850	.0178323
#2	1.924207	4.425616	-.005048	.0094329	.8683914	4.865166	.0220362
#3	1.687877	4.434555	.000338	.0084274	.8565325	4.855721	.0204167

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4979-14DLX2 Acquired: 12/23/2024 17:53:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJA2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.3187857	.3129050	.0318472
Stddev	.0037745	.0009627	.0020612
%RSD	1.184025	.3076598	6.472275
#1	.3146715	.3119197	.0317594
#2	.3195970	.3138433	.0339510
#3	.3220885	.3129520	.0298313

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2206.078	28981.97	2420.074	1889.548	1705.760
Stddev	1.156	87.32	22.766	7.405	.929
%RSD	.0524121	.3012932	.9407145	.3918860	.0544843
#1	2204.766	29077.22	2446.251	1897.476	1705.577
#2	2206.518	28963.00	2404.895	1888.356	1704.935
#3	2206.949	28905.70	2409.076	1882.811	1706.766

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4979-16DLX5 Acquired: 12/23/2024 17:57:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJA4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009327	.0177450	.0528372	-.016856	.0026297	5.702700	.1320265
Stddev	.0006755	.0017242	.0037121	.002135	.0022007	.053151	.0020531
%RSD	72.42323	9.716261	7.025494	12.66747	83.68655	.9320351	1.555046
#1	.0002650	.0163215	.0546134	-.018455	.0018752	5.720586	.1318812
#2	.0016158	.0196621	.0553275	-.014431	.0009055	5.744601	.1341484
#3	.0009174	.0172512	.0485708	-.017681	.0051084	5.642913	.1300500

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006667	.0005538	391.1175	.0103351	.0471602	.0641508	30.42196
Stddev	.0000444	.0000103	3.8141	.0005763	.0006831	.0029734	.30555
%RSD	6.657854	1.854769	.9751825	5.576417	1.448441	4.635022	1.004363
#1	.0006511	.0005547	390.1156	.0097760	.0479443	.0664220	30.15482
#2	.0007168	.0005636	395.3326	.0109272	.0468426	.0607853	30.75512
#3	.0006323	.0005431	387.9043	.0103020	.0466938	.0652450	30.35595

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.093490	6.989529	.0188217	.0033202	-1.14070	.0116487	.0746953
Stddev	.053928	.194578	.0005313	.0010813	.74686	.0039331	.0132093
%RSD	1.058755	2.783843	2.822674	32.56754	65.47364	33.76480	17.68426
#1	5.082765	7.017865	.0193081	.0039629	-.31458	.0071390	.0797692
#2	5.151975	7.168385	.0189022	.0020718	-1.76810	.0143691	.0846155
#3	5.045732	6.782337	.0182547	.0039259	-1.33943	.0134379	.0597014

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.025897	1.263697	-.006095	.0044129	.2535802	2.083267	.0073320
Stddev	.132980	.003655	.002724	.0002320	.0045061	.019112	.0023356
%RSD	513.4862	.2892300	44.69568	5.258004	1.776987	.9174286	31.85536
#1	-.146146	1.264601	-.009173	.0041614	.2566861	2.091219	.0100161
#2	.116924	1.259675	-.003996	.0044585	.2484121	2.097119	.0062179
#3	-.048470	1.266815	-.005116	.0046187	.2556426	2.061462	.0057621

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4979-16DLX5 Acquired: 12/23/2024 17:57:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJA4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0644568	.1957536	.0028274
Stddev	.0014886	.0017271	.0061235
%RSD	2.309471	.8822750	216.5751
#1	.0642472	.1958648	.0030606
#2	.0660391	.1974224	.0088311
#3	.0630841	.1939736	-.003409

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2060.239	26882.11	2214.338	1761.711	1757.176
Stddev	9.033	88.49	16.213	10.535	4.860
%RSD	.4384374	.3291716	.7321845	.5980063	.2765797
#1	2053.796	26958.34	2217.106	1768.250	1752.804
#2	2070.564	26902.92	2196.918	1767.326	1762.409
#3	2056.357	26785.07	2228.988	1749.558	1756.314

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4980-03DLX5 Acquired: 12/23/2024 18:01:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ72 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057370	.0273425	.1641073	-.021582	.0024640	4.692069	.0442297
Stddev	.0010654	.0018230	.0015959	.006052	.0008477	.064492	.0017201
%RSD	18.57021	6.667179	.9724882	28.04120	34.40270	1.374492	3.889081
#1	.0046292	.0258511	.1650609	-.028487	.0017561	4.757707	.0441225
#2	.0058275	.0293747	.1622648	-.017203	.0034034	4.689713	.0460008
#3	.0067542	.0268017	.1649961	-.019055	.0022325	4.628788	.0425656

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007219	.0026029	387.1262	.0134872	.0426225	.0339332	23.04519
Stddev	.0001195	.0002101	4.8409	.0005856	.0006636	.0051505	.30104
%RSD	16.55369	8.071074	1.250472	4.341902	1.556939	15.17831	1.306307
#1	.0006412	.0028223	390.7082	.0139598	.0433455	.0335852	23.15006
#2	.0008592	.0024036	389.0516	.0128320	.0424811	.0289656	23.27976
#3	.0006653	.0025828	381.6189	.0136697	.0420411	.0392489	22.70573

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.782077	217.7175	.0218890	.0009018	-1.74912	.0150784	.5913069
Stddev	.035281	2.0756	.0005475	.0012701	.70239	.0073192	.0120487
%RSD	1.268154	.9533657	2.501132	140.8356	40.15678	48.54094	2.037639
#1	2.808799	218.7227	.0218923	.0020888	-2.30944	.0234124	.5776510
#2	2.795348	219.0992	.0224349	-.000438	-1.97678	.0096952	.5958311
#3	2.742085	215.3306	.0213400	.001054	-.96114	.0121276	.6004388

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8623212	.6205152	.0115607	.0028469	4.888891	1.852058	.0164072
Stddev	.0668927	.0025199	.0011744	.0005251	.007890	.019058	.0008413
%RSD	7.757283	.4060994	10.15820	18.44387	.1613857	1.029019	5.127464
#1	.7883014	.6176063	.0123812	.0023179	4.887477	1.857377	.0164928
#2	.9184475	.6220299	.0120856	.0028550	4.881803	1.867892	.0155264
#3	.8802148	.6219095	.0102155	.0033679	4.897392	1.830906	.0172024

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4980-03DLX5 Acquired: 12/23/2024 18:01:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ72 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0631361	.1084760	.0104651
Stddev	.0047579	.0020535	.0036918
%RSD	7.535903	1.893083	35.27692
#1	.0590341	.1104928	.0083025
#2	.0683522	.1085477	.0083650
#3	.0620221	.1063876	.0147279

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2003.054	26435.72	2153.862	1722.984	1693.400
Stddev	3.755	163.03	24.835	5.561	2.063
%RSD	.1874838	.6167024	1.153037	.3227272	.1218425
#1	2001.878	26268.91	2131.793	1718.716	1692.853
#2	2007.256	26594.68	2149.039	1729.272	1695.682
#3	2000.027	26443.57	2180.755	1720.965	1691.666

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4980-10DLX5 Acquired: 12/23/2024 18:05:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ86 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0605850	.0228003	.1700087	-.023223	.0049516	6.103151	.1350925
Stddev	.0035335	.0061664	.0055074	.004359	.0006976	.031139	.0003332
%RSD	5.832281	27.04520	3.239468	18.77012	14.08815	.5102078	.2466549
#1	.0630040	.0219210	.1669661	-.024793	.0055355	6.123395	.1347280
#2	.0622211	.0293592	.1666939	-.026580	.0051403	6.118763	.1353814
#3	.0565300	.0171208	.1763661	-.018297	.0041791	6.067294	.1351682

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008278	.0055968	339.4136	.0145827	.0440914	.0371306	26.49095
Stddev	.0002196	.0002049	.9030	.0006718	.0003974	.0037912	.07979
%RSD	26.52605	3.660715	.2660499	4.606708	.9013330	10.21056	.3011813
#1	.0008093	.0058111	338.5178	.0140318	.0436611	.0327854	26.41786
#2	.0010561	.0055764	340.3236	.0143851	.0441682	.0397645	26.57607
#3	.0006181	.0054028	339.3993	.0153311	.0444447	.0388418	26.47893

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.257891	181.8377	.0233745	.0010669	-.817469	.0232840	1.286003
Stddev	.007942	.6696	.0007933	.0005653	.479359	.0070472	.020421
%RSD	.3517393	.3682195	3.393798	52.98266	58.63938	30.26644	1.587918
#1	2.249948	181.2897	.0224617	.0016440	-.402360	.0214743	1.283503
#2	2.265832	182.5840	.0238976	.0010423	-1.34212	.0310597	1.266948
#3	2.257895	181.6394	.0237642	.0005143	-.70793	.0173181	1.307559

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7307005	.5939440	.0072030	.0039002	4.424863	2.260749	.0093082
Stddev	.0980866	.0034440	.0020497	.0005297	.025745	.015985	.0014886
%RSD	13.42364	.5798470	28.45667	13.58188	.5818235	.7070712	15.99215
#1	.6383791	.5901499	.0054680	.0045095	4.395136	2.279194	.0076302
#2	.7200409	.5968729	.0094646	.0036413	4.439535	2.252122	.0104700
#3	.8336816	.5948092	.0066763	.0035497	4.439918	2.250931	.0098244

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4980-10DLX5 Acquired: 12/23/2024 18:05:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ86 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0794060	.1092927	.0107353
Stddev	.0034369	.0002632	.0025799
%RSD	4.328298	.2407930	24.03204
#1	.0825856	.1090344	.0094238
#2	.0798728	.1092833	.0090746
#3	.0757595	.1095604	.0137075

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2003.986	26420.89	2179.962	1718.547	1696.632
Stddev	4.296	109.25	14.107	5.232	2.817
%RSD	.2143683	.4134977	.6471170	.3044147	.1660054
#1	2008.892	26521.69	2171.885	1723.220	1699.878
#2	2002.168	26304.80	2171.751	1712.896	1694.832
#3	2000.899	26436.18	2196.251	1719.526	1695.187

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4980-16DLX5 Acquired: 12/23/2024 18:09:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ90 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016155	.0211714	.1555485	-.019017	.0039210	9.235031	.1018236
Stddev	.0019151	.0013817	.0001157	.001919	.0032595	.070679	.0008791
%RSD	118.5441	6.526176	.0743937	10.09296	83.13156	.7653352	.8633669
#1	.0037472	.0195780	.1554206	-.016894	.0065176	9.183153	.1009831
#2	.0000401	.0218984	.1556459	-.020630	.0049822	9.315532	.1027368
#3	.0010592	.0220378	.1555790	-.019528	.0002630	9.206409	.1017508

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013633	.0059101	336.7644	.0162205	.0481439	.0444994	30.29759
Stddev	.0000766	.0001187	1.2856	.0003119	.0002583	.0041049	.03985
%RSD	5.617471	2.008162	.3817440	1.922648	.5365787	9.224553	.1315377
#1	.0012933	.0058616	335.3695	.0163963	.0483783	.0398221	30.25915
#2	.0014451	.0058234	337.9017	.0164047	.0478669	.0475029	30.33872
#3	.0013516	.0060454	337.0220	.0158604	.0481864	.0461732	30.29489

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.498647	154.5052	.0309664	.0018769	-1.58886	.0247675	.7513950
Stddev	.009064	1.0598	.0004783	.0007780	.61519	.0130789	.0064878
%RSD	.6048197	.6859180	1.544644	41.45096	38.71920	52.80643	.8634345
#1	1.488752	153.2946	.0311134	.0013923	-1.98556	.0342968	.7510515
#2	1.506549	155.2651	.0304318	.0014642	-.88018	.0301493	.7580477
#3	1.500640	154.9560	.0313539	.0027743	-1.90083	.0098564	.7450857

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.160694	.7325710	.0135246	.0033142	3.731418	2.387808	.0238188
Stddev	.125238	.0047748	.0018085	.0001006	.002914	.027596	.0023195
%RSD	10.78991	.6517885	13.37213	3.035644	.0780872	1.155700	9.738045
#1	1.061862	.7304731	.0115277	.0032457	3.728057	2.379831	.0264502
#2	1.118684	.7292044	.0139938	.0032673	3.733238	2.418513	.0220709
#3	1.301536	.7380356	.0150523	.0034297	3.732959	2.365078	.0229353

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4980-16DLX5 Acquired: 12/23/2024 18:09:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ90 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1201139	.1589147	.0168434
Stddev	.0063104	.0004581	.0041914
%RSD	5.253663	.2882676	24.88435
#1	.1155655	.1585003	.0187751
#2	.1273181	.1588373	.0197206
#3	.1174581	.1594066	.0120345

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2005.387	26515.53	2188.316	1729.365	1691.741
Stddev	4.340	81.99	17.618	7.062	1.818
%RSD	.2164014	.3092223	.8051069	.4083861	.1074621
#1	2009.543	26453.39	2188.277	1734.765	1693.680
#2	2000.884	26608.45	2170.718	1731.958	1690.074
#3	2005.732	26484.73	2205.954	1721.373	1691.470

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4980-17DLX5 Acquired: 12/23/2024 18:13:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001144	.0218834	.1001292	-.022716	.0022613	4.694074	.0365601
Stddev	.003528	.0023040	.0005341	.005653	.0052613	.037639	.0019672
%RSD	308.2995	10.52848	.5333613	24.88635	232.6688	.8018367	5.380812
#1	-.004009	.0198849	.0995302	-.016826	-.003540	4.710262	.0358332
#2	-.002220	.0213618	.1005555	-.028098	.006725	4.720910	.0387874
#3	.002796	.0244034	.1003020	-.023224	.003598	4.651049	.0350598

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006381	.0011312	453.5277	.0125897	.0456604	.0333369	25.31832
Stddev	.0001096	.0000461	4.8618	.0004144	.0003140	.0021044	.19989
%RSD	17.17987	4.079410	1.071993	3.291473	.6876604	6.312580	.7895250
#1	.0005707	.0011809	458.6917	.0130682	.0458158	.0355571	25.47026
#2	.0005791	.0010896	452.8526	.0123559	.0458665	.0330822	25.39283
#3	.0007646	.0011231	449.0387	.0123452	.0452991	.0313714	25.09187

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.553243	243.9532	.0208744	.0008310	-1.48101	.0059413	.2274061
Stddev	.021844	2.7829	.0003145	.0006356	.78607	.0046389	.0040053
%RSD	.8555356	1.140771	1.506611	76.48530	53.07642	78.07925	1.761307
#1	2.567509	246.5519	.0212014	.0009943	-.64340	.0028093	.2319359
#2	2.564123	244.2911	.0208474	.0001297	-2.20266	.0037440	.2243330
#3	2.528095	241.0168	.0205742	.0013690	-1.59698	.0112706	.2259494

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.408243	.4405781	.0181419	.0026596	5.664354	2.327144	.0103617
Stddev	.214565	.0023266	.0024663	.0009996	.014326	.024283	.0004377
%RSD	15.23639	.5280814	13.59417	37.58608	.2529139	1.043457	4.224607
#1	1.652706	.4392965	.0198757	.0031594	5.657618	2.344134	.0099948
#2	1.251126	.4391742	.0153185	.0015086	5.654638	2.337967	.0102440
#3	1.320898	.4432638	.0192316	.0033107	5.680806	2.299332	.0108462

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4980-17DLX5 Acquired: 12/23/2024 18:13:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJB0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0314786	.1514442	.0100129
Stddev	.0035091	.0019775	.0012568
%RSD	11.14772	1.305745	12.55177
#1	.0349694	.1536218	.0095305
#2	.0279514	.1509505	.0114394
#3	.0315152	.1497604	.0090687

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1976.700	26005.64	2169.342	1695.912	1651.054
Stddev	1.664	108.81	27.407	5.694	1.254
%RSD	.0842010	.4183925	1.263372	.3357429	.0759382
#1	1977.364	25888.18	2143.030	1689.547	1651.362
#2	1977.929	26102.99	2167.270	1697.668	1652.125
#3	1974.806	26025.75	2197.726	1700.521	1649.675

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4982-05DLX5 Acquired: 12/23/2024 18:17:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ37 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0226031	.0209468	.3716582	-.018030	.0060458	5.897618	.1377004
Stddev	.0086974	.0019438	.0024688	.003669	.0014482	.026967	.0014637
%RSD	38.47890	9.279559	.6642547	20.34997	23.95419	.4572523	1.062948
#1	.0326283	.0188573	.3742495	-.020741	.0047539	5.869512	.1361416
#2	.0170741	.0212820	.3713915	-.019493	.0057722	5.923279	.1379140
#3	.0181069	.0227013	.3693336	-.013855	.0076113	5.900062	.1390455

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009900	.0019697	334.3900	.0132414	.0446768	.0478666	25.80582
Stddev	.0001259	.0001366	1.1263	.0012027	.0005665	.0052376	.09185
%RSD	12.71462	6.933928	.3368253	9.082489	1.268061	10.94200	.3559151
#1	.0008487	.0018749	333.1206	.0143392	.0441764	.0536627	25.74587
#2	.0010310	.0021263	335.2699	.0134290	.0445620	.0434733	25.76002
#3	.0010902	.0019080	334.7794	.0119560	.0452919	.0464638	25.91156

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.316658	40.63615	.0235315	.0016276	-1.63794	.0188023	.8472718
Stddev	.003623	.03281	.0004348	.0009550	.32030	.0015145	.0160977
%RSD	.1563776	.0807452	1.847572	58.67430	19.55535	8.055100	1.899943
#1	2.317792	40.60807	.0238742	.0023691	-1.29554	.0185101	.8550156
#2	2.319578	40.67222	.0236777	.0019637	-1.93025	.0204416	.8287657
#3	2.312604	40.62817	.0230424	.0005500	-1.68802	.0174551	.8580342

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.015824	.6131991	-.002831	.0041346	.7665672	1.609571	.0098603
Stddev	.121805	.0003460	.000828	.0013735	.0066971	.011187	.0010655
%RSD	769.7650	.0564208	29.25961	33.21997	.8736491	.6950179	10.80621
#1	.097826	.6135969	-.002966	.0056981	.7592319	1.600022	.0105108
#2	-.144408	.6130317	-.001944	.0031224	.7723554	1.621879	.0086306
#3	-.000889	.6129685	-.003584	.0035833	.7681144	1.606812	.0104395

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4982-05DLX5 Acquired: 12/23/2024 18:17:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJ37 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1198300	.1746341	.0037550
Stddev	.0057349	.0012565	.0002215
%RSD	4.785838	.7195249	5.898616
#1	.1157418	.1731856	.0040102
#2	.1173626	.1752848	.0036421
#3	.1263856	.1754317	.0036128

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2065.326	27221.26	2221.234	1791.741	1766.403
Stddev	2.873	75.84	7.483	6.546	3.689
%RSD	.1390962	.2785986	.3368961	.3653631	.2088619
#1	2068.463	27159.25	2229.593	1784.359	1770.020
#2	2062.823	27305.81	2215.157	1794.026	1762.646
#3	2064.692	27198.72	2218.952	1796.839	1766.543

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4982-15DLX5 Acquired: 12/23/2024 18:21:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJE9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.006336	.0255890	.0239070	-.022070	.0039486	7.279945	.1139026
Stddev	.004903	.0030226	.0012878	.003073	.0039360	.026499	.0013753
%RSD	77.38642	11.81200	5.386596	13.92610	99.68098	.3640032	1.207393
#1	-.006623	.0260230	.0249155	-.019658	.0083670	7.273431	.1142989
#2	-.011090	.0283711	.0243491	-.025530	.0008171	7.309093	.1123727
#3	-.001296	.0223729	.0224564	-.021021	.0026617	7.257310	.1150361

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005279	.0004352	348.0983	.0110267	.0447438	.0323766	24.10949
Stddev	.0000680	.0000965	.4110	.0007535	.0006305	.0040193	.09009
%RSD	12.87663	22.18240	.1180817	6.832937	1.409170	12.41405	.3736502
#1	.0004512	.0003881	347.7725	.0118131	.0448591	.0361934	24.04856
#2	.0005807	.0003712	347.9624	.0109558	.0440636	.0327547	24.06695
#3	.0005518	.0005462	348.5601	.0103112	.0453088	.0281817	24.21297

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.183944	15.72498	.0190209	.0020932	-1.13400	.0196697	.0453291
Stddev	.002629	.01052	.0004018	.0008179	.46225	.0071874	.0084383
%RSD	.0825548	.0669187	2.112405	39.07310	40.76246	36.54047	18.61567
#1	3.185233	15.72453	.0193786	.0016900	-.75652	.0250094	.0438379
#2	3.180920	15.73572	.0185862	.0015552	-.99594	.0114976	.0544137
#3	3.185678	15.71469	.0190980	.0030344	-1.64955	.0225019	.0377358

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1618295	.8982922	-.001056	.0018135	.2264604	1.865390	.0047267
Stddev	.0596994	.0037460	.001761	.0005357	.0063049	.009365	.0016946
%RSD	36.89031	.4170129	166.7972	29.53853	2.784099	.5020465	35.85155
#1	.1932370	.8980732	-.001474	.0023549	.2318357	1.854640	.0053545
#2	.0929826	.8946604	-.002571	.0012837	.2280248	1.871778	.0060178
#3	.1992689	.9021428	.000877	.0018020	.2195205	1.869753	.0028078

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4982-15DLX5 Acquired: 12/23/2024 18:21:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJE9 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1336103	.1877428	.0045604
Stddev	.0025151	.0005535	.0044469
%RSD	1.882434	.2948125	97.51124
#1	.1357562	.1877865	-.000452
#2	.1308426	.1871687	.008030
#3	.1342321	.1882731	.006103

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2054.576	26926.17	2208.888	1768.536	1766.309
Stddev	2.007	211.81	5.146	10.813	1.845
%RSD	.0976608	.7866444	.2329512	.6113850	.1044293
#1	2056.319	26759.54	2205.955	1767.359	1767.012
#2	2055.025	27164.54	2214.829	1779.889	1767.699
#3	2052.382	26854.43	2205.879	1758.360	1764.216

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4982-16DLX5 Acquired: 12/23/2024 18:24:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011489	.0231043	.0906633	-.022388	.0055530	8.664271	.1426636
Stddev	.0060340	.0009636	.0030849	.000592	.0029060	.048648	.0009306
%RSD	525.2159	4.170529	3.402582	2.643681	52.33179	.5614725	.6522683
#1	.0063828	.0235678	.0873997	-.022932	.0081954	8.677331	.1427698
#2	.0025148	.0219965	.0935314	-.021757	.0024406	8.610427	.1416844
#3	-.005451	.0237485	.0910586	-.022475	.0060231	8.705056	.1435364

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006892	.0006221	545.5678	.0123917	.0521600	.0261224	29.53548
Stddev	.0000434	.0001063	1.5207	.0004670	.0005052	.0041996	.04830
%RSD	6.297997	17.08707	.2787336	3.768783	.9686165	16.07666	.1635249
#1	.0007387	.0005702	546.6087	.0128501	.0522642	.0218745	29.58910
#2	.0006575	.0005517	543.8227	.0124083	.0526050	.0302719	29.49539
#3	.0006715	.0007443	546.2721	.0119166	.0516108	.0262207	29.52195

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.814508	24.22157	.0218252	.0011876	-1.76879	.0161265	.0678452
Stddev	.023787	.20716	.0005138	.0004005	.29092	.0070007	.0114030
%RSD	.4940793	.8552577	2.353960	33.72211	16.44763	43.41142	16.80732
#1	4.833459	24.38887	.0219429	.0012519	-1.44355	.0096620	.0731672
#2	4.787813	23.98986	.0222699	.0015520	-1.85860	.0235621	.0547542
#3	4.822252	24.28598	.0212628	.0007589	-2.00423	.0151554	.0756142

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2235889	1.108999	-.004211	.0020056	.3098742	1.871246	.0103254
Stddev	.1269002	.002092	.000564	.0007247	.0027718	.004652	.0008936
%RSD	56.75602	.1886127	13.39276	36.13518	.8945018	.2485946	8.654610
#1	.0798386	1.107164	-.004389	.0017907	.3068597	1.876552	.0113551
#2	.2708562	1.108558	-.004664	.0014126	.3123130	1.867868	.0097530
#3	.3200719	1.111277	-.003579	.0028135	.3104499	1.869319	.0098681

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P4982-16DLX5 Acquired: 12/23/2024 18:24:59 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJF0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1524840	.2716635	.0062823
Stddev	.0030215	.0007260	.0051675
%RSD	1.981498	.2672346	82.25474
#1	.1527913	.2719379	.0003187
#2	.1493206	.2722122	.0090934
#3	.1553400	.2708403	.0094350

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2054.959	26931.27	2232.617	1769.306	1720.552
Stddev	3.967	95.57	9.154	8.508	1.359
%RSD	.1930634	.3548645	.4099979	.4808794	.0789640
#1	2057.128	26839.62	2222.112	1761.231	1720.827
#2	2050.380	26923.88	2238.880	1768.498	1719.077
#3	2057.369	27030.33	2236.860	1778.190	1721.752

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5008-02DLX5 Acquired: 12/23/2024 18:28:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJJ1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.006893	.0264219	.1036589	-.022874	.0012420	2.581575	.0292457
Stddev	.004469	.0029227	.0027456	.005176	.0034332	.007291	.0013540
%RSD	64.83191	11.06176	2.648660	22.62966	276.4203	.2824228	4.629769
#1	-.010482	.0288619	.1010295	-.017229	.0001943	2.574070	.0304199
#2	-.001888	.0272211	.1065075	-.023994	.0050770	2.582023	.0277646
#3	-.008310	.0231827	.1034397	-.027398	-.001545	2.588631	.0295526

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004618	.0020878	369.3511	.0088495	.0417532	.0134405	18.00434
Stddev	.0000880	.0001190	1.5519	.0012960	.0006105	.0108501	.06258
%RSD	19.06043	5.700875	.4201697	14.64475	1.462179	80.72706	.3475752
#1	.0003625	.0022230	370.9368	.0097862	.0415588	.0010116	18.05875
#2	.0004926	.0019991	367.8353	.0073705	.0424372	.0210210	17.93596
#3	.0005303	.0020412	369.2813	.0093919	.0412635	.0182888	18.01832

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.169048	211.2909	.0126973	.0008239	-1.39631	.0132469	.4506616
Stddev	.010796	1.0545	.0012656	.0009390	1.03705	.0036682	.0101771
%RSD	.4977083	.4990629	9.967737	113.9659	74.27103	27.69120	2.258259
#1	2.181413	212.4012	.0122120	.0019069	-2.50151	.0110788	.4415446
#2	2.164229	210.3030	.0141338	.0002368	-1.24292	.0111798	.4487988
#3	2.161501	211.1684	.0117462	.0003280	-.44449	.0174822	.4616414

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4554634	.3325242	.0090548	.0026794	3.399589	1.532068	.0177411
Stddev	.1021573	.0010877	.0015911	.0006932	.002072	.009750	.0010457
%RSD	22.42930	.3271126	17.57141	25.87115	.0609434	.6364031	5.893955
#1	.5554976	.3337761	.0076815	.0029705	3.400306	1.541652	.0187741
#2	.3513078	.3319860	.0107984	.0018881	3.397254	1.522160	.0166832
#3	.4595847	.3318105	.0086845	.0031796	3.401208	1.532391	.0177660

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5008-02DLX5 Acquired: 12/23/2024 18:28:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJJ1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0215785	.0982554	.0034053
Stddev	.0068394	.0001775	.0031597
%RSD	31.69549	.1806926	92.78749
#1	.0194054	.0981370	.0001185
#2	.0160896	.0981697	.0036769
#3	.0292404	.0984596	.0064204

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1980.491	26243.33	2141.887	1708.454	1682.653
Stddev	7.437	174.24	12.501	13.373	3.027
%RSD	.3755091	.6639214	.5836414	.7827751	.1799154
#1	1983.758	26277.47	2130.056	1709.931	1683.198
#2	1971.980	26054.55	2140.641	1694.403	1679.391
#3	1985.735	26397.97	2154.964	1721.027	1685.372

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5008-03DLX5 Acquired: 12/23/2024 18:32:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJJ3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006588	.0239341	.0831343	-.027282	.0048211	2.092789	.0515776
Stddev	.0025659	.0028377	.0020080	.001557	.0020763	.013461	.0010544
%RSD	389.4796	11.85624	2.415333	5.707520	43.06622	.6431880	2.044257
#1	-.000925	.0239403	.0848069	-.029075	.0071875	2.093727	.0526407
#2	-.000717	.0210934	.0809074	-.026265	.0033051	2.078884	.0515600
#3	.003619	.0267688	.0836886	-.026507	.0039706	2.105756	.0505321

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005163	.0011742	406.4793	.0068278	.0427413	.0202370	18.44085
Stddev	.0000813	.0001988	1.3190	.0005156	.0004960	.0047089	.03997
%RSD	15.74160	16.93308	.3244830	7.551236	1.160389	23.26899	.2167640
#1	.0004235	.0009865	404.9678	.0072002	.0433050	.0254309	18.39674
#2	.0005749	.0011535	407.3968	.0062393	.0425467	.0190335	18.45115
#3	.0005505	.0013825	407.0734	.0070439	.0423721	.0162466	18.47467

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.333547	230.2255	.0118840	.0008289	-.737505	.0055717	.2468732
Stddev	.008605	.6767	.0003246	.0008820	.747251	.0126021	.0127078
%RSD	.3687699	.2939333	2.731000	106.4024	101.3214	226.1807	5.147499
#1	2.332657	229.4583	.0117803	-.000188	-.971743	.0187854	.2533689
#2	2.325421	230.4808	.0116241	.001285	.098803	.0042434	.2550203
#3	2.342563	230.7375	.0122478	.001389	-1.33958	-.006314	.2322306

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4504427	.2353978	.0082981	.0028320	3.831516	1.329660	.0068418
Stddev	.2572071	.0023870	.0011284	.0003046	.003180	.004212	.0006967
%RSD	57.10095	1.014046	13.59874	10.75670	.0829892	.3168014	10.18359
#1	.1661581	.2334686	.0094793	.0025148	3.834729	1.324892	.0076364
#2	.6670308	.2346576	.0081840	.0031223	3.828371	1.331210	.0065534
#3	.5181392	.2380673	.0072311	.0028588	3.831447	1.332878	.0063356

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5008-03DLX5 Acquired: 12/23/2024 18:32:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJJ3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0131964	.1083045	-.001472
Stddev	.0037222	.0003315	.002711
%RSD	28.20582	.3060529	184.1502
#1	.0174416	.1079375	.001302
#2	.0116553	.1083939	-.004116
#3	.0104923	.1085821	-.001603

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1962.389	25827.64	2131.022	1683.279	1664.981
Stddev	2.605	46.39	7.927	2.632	2.711
%RSD	.1327591	.1796185	.3719745	.1563615	.1628178
#1	1959.384	25799.22	2128.625	1681.107	1662.001
#2	1964.016	25802.54	2124.571	1682.524	1667.300
#3	1963.766	25881.18	2139.871	1686.206	1665.642

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5008-04DLX5 Acquired: 12/23/2024 18:36:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJJ4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005392	.0284961	.3428788	-.027982	.0019532	1.849447	.0169262
Stddev	.003198	.0099637	.0003997	.003763	.0023027	.044669	.0011402
%RSD	59.30839	34.96516	.1165861	13.44914	117.8941	2.415248	6.736368
#1	-.006055	.0236701	.3426340	-.023933	.0003828	1.832293	.0170806
#2	-.008207	.0218643	.3433401	-.028640	.0008802	1.815898	.0179814
#3	-.001915	.0399538	.3426623	-.031373	.0045966	1.900150	.0157167

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003907	.0021180	400.9978	.0060913	.0415626	.0140085	19.11426
Stddev	.0001774	.0001023	1.6440	.0009120	.0006374	.0059930	.06186
%RSD	45.41367	4.831638	.4099824	14.97232	1.533624	42.78135	.3236367
#1	.0002095	.0020740	399.6815	.0054139	.0410097	.0072886	19.05477
#2	.0005640	.0020451	402.8406	.0071283	.0414183	.0187997	19.17825
#3	.0003985	.0022350	400.4714	.0057316	.0422597	.0159372	19.10976

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.434269	226.7441	.0104844	.0009095	-1.68723	.0157431	.4024766
Stddev	.009964	.7858	.0006136	.0015893	.16661	.0085271	.0025201
%RSD	.4093367	.3465602	5.852137	174.7575	9.874993	54.16403	.6261503
#1	2.425023	226.2362	.0106273	-.000898	-1.49798	.0183129	.4052008
#2	2.444823	227.6492	.0098121	.002089	-1.75188	.0062266	.4020005
#3	2.432962	226.3468	.0110140	.001538	-1.81183	.0226897	.4002285

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4038307	.2047228	.0060053	.0022968	4.996913	1.208607	.0061608
Stddev	.1237583	.0007154	.0025671	.0009255	.004010	.009544	.0015689
%RSD	30.64608	.3494618	42.74638	40.29541	.0802538	.7896987	25.46615
#1	.4391596	.2049742	.0059355	.0024116	4.992363	1.200362	.0045142
#2	.5060829	.2039157	.0086066	.0013193	4.998442	1.219063	.0063298
#3	.2662496	.2052787	.0034739	.0031597	4.999934	1.206396	.0076384

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5008-04DLX5 Acquired: 12/23/2024 18:36:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJJ4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0080596	.1036663	-.001116
Stddev	.0037114	.0004663	.004007
%RSD	46.04919	.4498189	358.9712
#1	.0113432	.1031356	-.005108
#2	.0088029	.1040105	-.001148
#3	.0040329	.1038529	.002907

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1967.820	25909.71	2144.393	1685.646	1665.735
Stddev	3.498	56.83	16.036	9.275	2.406
%RSD	.1777674	.2193468	.7478331	.5502290	.1444689
#1	1964.583	25895.73	2154.954	1676.623	1664.339
#2	1971.531	25861.18	2125.940	1685.162	1668.514
#3	1967.347	25972.23	2152.285	1695.154	1664.352

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5008-05DLX5 Acquired: 12/23/2024 18:40:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJJ5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001754	.0292548	.0714621	-.027320	.0052688	1.966409	.0165149
Stddev	.007529	.0015165	.0054422	.006557	.0007328	.025391	.0020055
%RSD	429.2260	5.183803	7.615546	24.00119	13.90860	1.291212	12.14343
#1	.000986	.0302044	.0694556	-.022657	.0056176	1.993899	.0150441
#2	.004021	.0300543	.0776227	-.024486	.0057621	1.943838	.0157012
#3	-.010270	.0275059	.0673080	-.034818	.0044268	1.961490	.0187993

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003757	.0186755	418.7312	.0068313	.0423623	.0194529	18.92598
Stddev	.0000860	.0000826	.7962	.0006851	.0004296	.0108785	.13553
%RSD	22.88863	.4423436	.1901445	10.02908	1.014055	55.92205	.7161005
#1	.0002850	.0186403	419.6488	.0075885	.0421014	.0070307	18.90387
#2	.0003859	.0186164	418.3216	.0066513	.0421274	.0240495	19.07121
#3	.0004561	.0187699	418.2231	.0062542	.0428581	.0272786	18.80287

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.454974	234.9157	.0098374	.0012096	-1.59853	.0028560	3.852280
Stddev	.009342	.9821	.0007622	.0013931	.56441	.0166762	.029183
%RSD	.3805497	.4180559	7.748197	115.1664	35.30825	583.8986	.7575629
#1	2.465439	235.9520	.0106580	-.000121	-2.24376	-.000013	3.833072
#2	2.452010	234.7963	.0097026	.001092	-1.19643	.020781	3.885862
#3	2.447473	233.9988	.0091515	.002658	-1.35539	-.012200	3.837906

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3193399	.2093327	.0089925	.0036428	5.622400	1.260976	.0100429
Stddev	.0758014	.0022090	.0007031	.0006370	.021818	.003038	.0021429
%RSD	23.73690	1.055261	7.818540	17.48653	.3880619	.2408983	21.33741
#1	.4059523	.2089887	.0086966	.0039530	5.599235	1.264182	.0087107
#2	.2869681	.2073159	.0097952	.0029101	5.642560	1.258141	.0089031
#3	.2650992	.2116936	.0084857	.0040652	5.625406	1.260604	.0125148

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5008-05DLX5 Acquired: 12/23/2024 18:40:49 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJJ5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0138904	.1115539	-.002674
Stddev	.0026093	.0004794	.002096
%RSD	18.78460	.4297054	78.35603
#1	.0117930	.1119952	-.001472
#2	.0130658	.1110439	-.001457
#3	.0168123	.1116226	-.005094

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1932.187	25410.79	2099.174	1655.376	1631.970
Stddev	4.890	15.80	11.434	7.251	4.875
%RSD	.2530689	.0621869	.5447029	.4380303	.2987094
#1	1936.924	25405.59	2086.600	1655.929	1636.259
#2	1927.157	25398.24	2108.949	1647.864	1626.668
#3	1932.481	25428.54	2101.973	1662.334	1632.983

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5008-06DLX5 Acquired: 12/23/2024 18:44:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJJ6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.008676	.0226404	.0944708	-.032731	.0021269	4.451889	.0811229
Stddev	.004714	.0059048	.0018119	.005391	.0019453	.041038	.0016150
%RSD	54.33664	26.08070	1.917927	16.47145	91.45956	.9218180	1.990773
#1	-.010056	.0203426	.0962458	-.038853	.0043041	4.405148	.0793247
#2	-.003426	.0293487	.0926242	-.028692	.0005597	4.482014	.0815942
#3	-.012547	.0182300	.0945425	-.030648	.0015170	4.468503	.0824498

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005323	.0014468	399.9398	.0089355	.0415246	.0185599	17.95015
Stddev	.0000474	.0002024	2.1771	.0011417	.0003250	.0068211	.14571
%RSD	8.907792	13.98858	.5443664	12.77704	.7825879	36.75210	.8117479
#1	.0005868	.0012689	397.4531	.0084091	.0416618	.0133035	17.78353
#2	.0005003	.0016670	401.5027	.0081520	.0411535	.0262680	18.01316
#3	.0005098	.0014046	400.8637	.0102455	.0417584	.0161082	18.05374

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.460626	191.5481	.0117640	.0007527	-1.25869	.0102571	.3186947
Stddev	.023361	1.0303	.0003556	.0011149	.54851	.0009830	.0106128
%RSD	.9494059	.5378594	3.022784	148.1298	43.57795	9.583704	3.330077
#1	2.435356	190.3601	.0120467	.0017663	-1.36521	.0113863	.3115157
#2	2.465088	192.1959	.0118805	-.000441	-1.74612	.0095923	.3308852
#3	2.481435	192.0883	.0113648	.000933	-.66473	.0097928	.3136831

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1885476	.3389806	.0069871	.0030204	3.309096	2.238938	.0063669
Stddev	.0725911	.0008056	.0005738	.0007197	.014024	.010114	.0024087
%RSD	38.50017	.2376667	8.212196	23.82799	.4237999	.4517257	37.83221
#1	.2536585	.3389422	.0074085	.0024546	3.323988	2.234036	.0083473
#2	.1102767	.3398047	.0063336	.0038304	3.296141	2.250569	.0036854
#3	.2017075	.3381948	.0072192	.0027762	3.307161	2.232210	.0070679

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5008-06DLX5 Acquired: 12/23/2024 18:44:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJJ6 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1147140	.2399615	-.000647
Stddev	.0000620	.0014461	.004746
%RSD	.0540509	.6026351	733.7122
#1	.1146845	.2382998	-.004653
#2	.1146722	.2409346	.004595
#3	.1147852	.2406502	-.001883

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1961.832	25979.67	2144.821	1689.362	1665.091
Stddev	5.606	76.02	10.513	6.033	3.010
%RSD	.2857545	.2926277	.4901435	.3571164	.1807778
#1	1957.912	26062.96	2146.123	1696.135	1662.100
#2	1968.253	25962.05	2133.717	1684.564	1668.120
#3	1959.331	25914.01	2154.621	1687.387	1665.053

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5183-20ADLX2 Acquired: 12/23/2024 18:48:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZD8A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4622246	-.125572	.3200555	.2386648	.1061540	183.9073	.3382911
Stddev	.0028728	.003315	.0008298	.0033250	.0012954	.3021	.0016271
%RSD	.6215253	2.640221	.2592740	1.393178	1.220323	.1642690	.4809657
#1	.4597157	-.121746	.3191407	.2414436	.1047973	184.2495	.3376592
#2	.4653585	-.127583	.3207597	.2349810	.1062868	183.6778	.3370749
#3	.4615997	-.127389	.3202662	.2395700	.1073780	183.7945	.3401394

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0091249	.0107177	45.45790	2.233864	.3046100	5.353763	420.1484
Stddev	.0000772	.0001011	.15928	.006527	.0008565	.032041	1.0481
%RSD	.8458250	.9432726	.3503807	.2921972	.2811899	.5984833	.2494526
#1	.0090454	.0106028	45.64096	2.240609	.3041272	5.388692	421.2781
#2	.0091299	.0107933	45.38176	2.227579	.3041038	5.325733	419.2077
#3	.0091995	.0107569	45.35099	2.233404	.3055989	5.346864	419.9594

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.456250	139.1851	.5066699	.0087880	-.829030	1.012571	.7079383
Stddev	.019180	1.0326	.0005655	.0007269	.561301	.016202	.0106370
%RSD	.2572323	.7418801	.1116098	8.271586	67.70575	1.600115	1.502535
#1	7.477531	140.3548	.5072918	.0079991	-.861620	1.017054	.7085648
#2	7.440299	138.8008	.5065313	.0094306	-.252144	.994599	.6970019
#3	7.450920	138.3998	.5061867	.0089344	-1.37333	1.026060	.7182483

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6703665	2.177076	-.079826	-.000822	.3330764	7.326280	.0462852
Stddev	.1277364	.005174	.004894	.001054	.0056440	.028637	.0010134
%RSD	19.05471	.2376515	6.130385	128.2659	1.694518	.3908864	2.189557
#1	.5427411	2.178425	-.076121	-.000012	.3324964	7.355264	.0455108
#2	.6701450	2.171362	-.085373	-.000439	.3389881	7.325573	.0474322
#3	.7982136	2.181442	-.077984	-.002013	.3277448	7.298002	.0459127

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5183-20ADLX2 Acquired: 12/23/2024 18:48:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MYCZD8A Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	6.569096	-.277067	.0696705
Stddev	.022876	.000249	.0020130
%RSD	.3482440	.0897404	2.889298
#1	6.594770	-.277314	.0676762
#2	6.561643	-.276816	.0696337
#3	6.550876	-.277072	.0717016

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2209.135	28921.21	2385.876	1901.142	1844.768
Stddev	3.491	149.41	16.091	5.571	2.815
%RSD	.1580306	.5165957	.6744416	.2930466	.1526060
#1	2207.209	28754.55	2368.431	1896.206	1844.178
#2	2213.165	29043.14	2389.059	1900.036	1847.832
#3	2207.031	28965.93	2400.138	1907.183	1842.295

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5009-04A Acquired: 12/23/2024 18:52:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJQ3A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0692813	.0130976	.1886873	.1476454	.0299546	66.99090
Stddev	.0019867	.0049091	.0029220	.0068575	.0038345	.21676
%RSD	2.867542	37.48095	1.548608	4.644593	12.80086	.3235722
#1	.0673447	.0148292	.1867491	.1479207	.0343770	66.76110
#2	.0713145	.0169063	.1872645	.1543611	.0275565	67.01988
#3	.0691848	.0075574	.1920482	.1406543	.0279304	67.19171

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7823254	.0053926	.0069907	231.7730	.1135590	.1302838
Stddev	.0017531	.0000602	.0001570	.7668	.0013025	.0006049
%RSD	.2240886	1.116881	2.245248	.3308621	1.146976	.4643172
#1	.7805054	.0054534	.0068154	231.3378	.1150009	.1304758
#2	.7824681	.0053914	.0071180	231.3227	.1124677	.1307695
#3	.7840029	.0053329	.0070388	232.6584	.1132085	.1296062

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4081013	154.2592	12.07134	94.91377	.2084822	.0054240
Stddev	.0114847	.3507	.02191	.10022	.0009122	.0010219
%RSD	2.814171	.2273565	.1815161	.1055856	.4375493	18.84041
#1	.4119879	153.9318	12.07703	94.99411	.2090392	.0045911
#2	.3951776	154.2165	12.04714	94.80147	.2089778	.0065643
#3	.4171384	154.6294	12.08984	94.94572	.2074294	.0051166

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.368396	.1677963	1.805927	7.607620	F 11.58929	.0045136
Stddev	.321640	.0052534	.030858	.049560	.00932	.0021253
%RSD	87.30817	3.130800	1.708716	.6514494	.0804156	47.08652
#1	-.714905	.1626056	1.808810	7.564221	11.59081	.0037846
#2	-.079379	.1731101	1.773728	7.661624	11.57930	.0028487
#3	-.310905	.1676731	1.835242	7.597015	11.59775	.0069074

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5009-04A Acquired: 12/23/2024 18:52:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHJQ3A Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049444	1.939975	8.477367	.0280806	1.359144	.0862852
Stddev	.0001221	.006495	.059182	.0035640	.004462	.0005818
%RSD	2.469035	.3348099	.6981203	12.69205	.3282989	.6742190
#1	.0049874	1.939115	8.512747	.0246943	1.361166	.0856329
#2	.0048067	1.946857	8.510312	.0277486	1.354029	.0867504
#3	.0050392	1.933952	8.409044	.0317991	1.362237	.0864723

Elem	Li6707
Units	ppm
Avg	.1147043
Stddev	.0033077
%RSD	2.883636
#1	.1159101
#2	.1172399
#3	.1109629

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2475.371	32462.53	2690.801	2115.998	1719.197
Stddev	7.232	162.59	20.131	9.359	2.746
%RSD	.2921628	.5008653	.7481368	.4423203	.1597477
#1	2469.697	32363.45	2683.509	2108.460	1716.606
#2	2472.902	32373.96	2675.333	2113.059	1718.907
#3	2483.515	32650.18	2713.562	2126.474	1722.076

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5028-07A Acquired: 12/23/2024 18:56:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK40A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1795409	-.078437	1.137132	.1788945	.0467682	103.0509	.7920809
Stddev	.0037665	.006947	.005839	.0024412	.0012444	.8388	.0056524
%RSD	2.097865	8.856630	.5134479	1.364599	2.660851	.8139732	.7136081
#1	.1804175	-.070839	1.136677	.1816549	.0473657	102.2228	.7857364
#2	.1754134	-.080009	1.143185	.1770197	.0453377	103.0300	.7939268
#3	.1827919	-.084464	1.131534	.1780089	.0476012	103.9000	.7965796

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0096993	.0081117	85.44023	.1526382	.1595219	.2967148	236.1313
Stddev	.0000646	.0000954	.56159	.0003751	.0005814	.0069019	1.7849
%RSD	.6657112	1.176535	.6572862	.2457245	.3644430	2.326108	.7558931
#1	.0096308	.0081481	84.85558	.1530625	.1601307	.2984551	234.1641
#2	.0097080	.0080034	85.48962	.1523507	.1594623	.3025800	236.5825
#3	.0097591	.0081836	85.97549	.1525015	.1589726	.2891093	237.6473

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.34341	33.54203	.2030754	.0087099	-.735231	.2286230	1.104654
Stddev	.11722	.15741	.0009069	.0005016	1.162032	.0046776	.021903
%RSD	.7172089	.4692783	.4466020	5.759194	158.0499	2.045973	1.982799
#1	16.22376	33.36147	.2030452	.0089176	-1.99239	.2324092	1.120067
#2	16.34844	33.61427	.2039971	.0081378	-.51284	.2233940	1.079582
#3	16.45803	33.65034	.2021840	.0090743	.29953	.2300657	1.114315

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.136192	3.651235	-.012288	.0062380	1.535114	11.85546	.0436749
Stddev	.126574	.012801	.002448	.0003201	.010950	.11726	.0011499
%RSD	2.464359	.3505830	19.92379	5.131180	.7133196	.9890806	2.632744
#1	5.076262	3.639415	-.013500	.0065953	1.530566	11.72914	.0445724
#2	5.281601	3.664831	-.013894	.0061413	1.547605	11.96083	.0423788
#3	5.050713	3.649459	-.009470	.0059774	1.527170	11.87643	.0440735

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5028-07A Acquired: 12/23/2024 18:56:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK40A Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7919357	-.014884	.0877152
Stddev	.0033345	.000544	.0024420
%RSD	.4210625	3.656071	2.784039
#1	.7933823	-.014288	.0905091
#2	.7881222	-.015010	.0859879
#3	.7943027	-.015355	.0866486

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2740.530	35584.75	2872.882	2359.523	1859.512
Stddev	7.988	107.57	12.351	15.059	9.372
%RSD	.2914716	.3022998	.4299292	.6382343	.5039976
#1	2739.606	35463.14	2886.790	2342.958	1860.714
#2	2733.045	35667.47	2863.194	2372.387	1849.597
#3	2748.940	35623.63	2868.661	2363.222	1868.225

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCV024 Acquired: 12/23/2024 19:00:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV024 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.019509	4.821603	24.42597	4.875769	4.851593	399.7338	10.08989
Stddev	.023783	.005401	.06830	.006974	.009453	1.7724	.03393
%RSD	.4738149	.1120076	.2796274	.1430278	.1948371	.4433912	.3362843
#1	4.993833	4.815518	24.34717	4.868180	4.843200	398.2401	10.06685
#2	5.023908	4.823466	24.46265	4.881895	4.849748	399.2690	10.07397
#3	5.040785	4.825825	24.46810	4.877232	4.861833	401.6923	10.12885

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5057061	2.454921	407.7454	15.31886	2.452838	15.08147	411.9755
Stddev	.0074066	.006038	1.7317	.02561	.005936	.05396	2.5316
%RSD	1.464598	.2459713	.4247025	.1671833	.2419997	.3578049	.6145055
#1	.4972752	2.448134	406.2024	15.34740	2.446440	15.05890	409.8047
#2	.5086780	2.459699	407.4154	15.31126	2.458166	15.04246	411.3653
#3	.5111651	2.456929	409.6183	15.29790	2.453908	15.14306	414.7564

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.00170	407.0850	2.479428	1.308057	404.3539	2.534611	15.47284
Stddev	.03900	1.8423	.003329	.002040	3.2269	.006036	.13283
%RSD	.2599990	.4525540	.1342604	.1559213	.7980417	.2381519	.8584841
#1	14.97020	405.4680	2.475659	1.310111	402.2385	2.535253	15.61449
#2	14.98956	406.6964	2.481969	1.306032	402.7551	2.528280	15.45297
#3	15.04533	409.0906	2.480655	1.308029	408.0680	2.540301	15.35106

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	150.8999	4.926005	4.829114	4.868374	4.889106	4.762549	4.962740
Stddev	.4358	.011972	.054141	.011856	.012509	.056815	.014097
%RSD	.2888269	.2430299	1.121136	.2435240	.2558560	1.192963	.2840483
#1	150.5456	4.915963	4.772093	4.863841	4.875045	4.697926	4.951286
#2	150.7676	4.939253	4.835426	4.859454	4.898998	4.785071	4.978483
#3	151.3866	4.922798	4.879822	4.881828	4.893275	4.804651	4.958451

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCV024 Acquired: 12/23/2024 19:00:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV024 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	4.999172	4.743997	5.064694
Stddev	.024382	.015818	.024304
%RSD	.4877159	.3334417	.4798645
#1	4.986671	4.728339	5.043354
#2	4.983577	4.743682	5.059579
#3	5.027269	4.759971	5.091148

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1786.292	24327.61	2090.581	1520.345	1562.435
Stddev	4.359	114.93	19.237	8.998	3.347
%RSD	.2440284	.4724192	.9201594	.5918565	.2142006
#1	1781.259	24210.58	2112.768	1514.151	1561.257
#2	1788.881	24331.92	2078.555	1516.218	1559.837
#3	1788.736	24440.31	2080.422	1530.667	1566.212

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCB024 Acquired: 12/23/2024 19:03:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB024 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003056	.0010860	.0031785	.0048141	-.000613	.0611703	-.003997
Stddev	.003019	.0010582	.0006492	.0022029	.001990	.0118890	.002086
%RSD	98.79424	97.43986	20.42649	45.75841	324.6471	19.43588	52.18499
#1	-.002564	.0020620	.0031994	.0023437	-.001589	.0611508	-.003033
#2	-.000313	.0012347	.0025190	.0055246	-.001927	.0730691	-.006390
#3	-.006291	-.000039	.0038170	.0065740	.001677	.0492911	-.002567

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000885	-.000005	-.007757	-.000276	-.000150	.0089116	.0442300
Stddev	.0001850	.000023	.004700	.000610	.000194	.0139967	.0400063
%RSD	208.9664	486.3816	60.58704	220.9081	129.4071	157.0615	90.45069
#1	.0002824	.000022	-.013180	-.000285	-.000362	.0024689	.0214768
#2	-.000086	-.000022	-.004854	.000338	.000021	-.000704	.0207895
#3	.000069	-.000014	-.005238	-.000881	-.000110	.024970	.0904236

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019632	.0218244	.0007121	.0000181	-1.81516	.0003220	-.005952
Stddev	.0014355	.0230076	.0005021	.0006979	.23617	.0034703	.014331
%RSD	73.11929	105.4216	70.50619	3856.876	13.01087	1077.631	240.7758
#1	.0005056	.0161650	.0011655	-.000269	-2.08690	.0043286	-.010350
#2	.0020084	.0471335	.0007984	-.000491	-1.65949	-.001740	-.017568
#3	.0033755	.0021745	.0001725	.000814	-1.69908	-.001623	.010062

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.618107	.0003385	.0035311	.0010287	-.006932	-.080831	.0003060
Stddev	.210034	.0008145	.0025715	.0002541	.003160	.001023	.0010054
%RSD	33.98020	240.6078	72.82475	24.69505	45.58359	1.265557	328.5235
#1	-.722772	.0011327	.0031289	.0012449	-.010551	-.081843	.0004107
#2	-.376306	-.000495	.0011844	.0010925	-.004717	-.079797	.0012550
#3	-.755243	.000378	.0062801	.0007489	-.005529	-.080854	-.000748

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCB024 Acquired: 12/23/2024 19:03:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB024 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0034276	.0001392	.0052659
Stddev	.0033304	.0003006	.0022124
%RSD	97.16518	215.9678	42.01407
#1	.0009325	.0003213	.0036034
#2	.0021409	.0003040	.0044174
#3	.0072094	-.000208	.0077770

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2021.713	26570.15	2133.116	1751.389	1832.215
Stddev	5.537	98.23	12.034	12.238	3.680
%RSD	.2738572	.3696827	.5641562	.6987471	.2008499
#1	2019.378	26457.34	2119.485	1737.274	1828.230
#2	2017.726	26636.78	2137.591	1759.025	1832.932
#3	2028.034	26616.32	2142.271	1757.868	1835.485

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5033-05A Acquired: 12/23/2024 19:07:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK97A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0895516	-.028352	3.079321	.1060495	.0307467	60.95800	1.504281
Stddev	.0053409	.005313	.006260	.0043019	.0024214	.83729	.016520
%RSD	5.964053	18.73935	.2032931	4.056541	7.875237	1.373553	1.098227
#1	.0839286	-.034400	3.078769	.1025294	.0335300	61.07491	1.503954
#2	.0945567	-.026219	3.073355	.1108448	.0295853	60.06840	1.487927
#3	.0901694	-.024437	3.085838	.1047742	.0291247	61.73069	1.520963

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0061985	.0086854	251.9745	.1258857	.1018306	.2968220	134.2558
Stddev	.0001544	.0001050	2.3108	.0008408	.0007723	.0074194	1.2818
%RSD	2.490104	1.209191	.9170580	.6679300	.7584093	2.499614	.9547158
#1	.0062445	.0087992	251.7522	.1258777	.1011653	.2910020	134.2387
#2	.0060263	.0085922	249.7830	.1250490	.1016491	.2942874	132.9826
#3	.0063245	.0086647	254.3884	.1267306	.1026775	.3051765	135.5460

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.407109	52.17221	.1796557	.0061953	-1.02146	.1464662	5.119983
Stddev	.067614	.55118	.0005724	.0002984	.28295	.0017759	.030509
%RSD	.8042506	1.056471	.3185991	4.816704	27.70006	1.212487	.5958872
#1	8.413126	52.28793	.1794967	.0058760	-1.21130	.1453483	5.086927
#2	8.336688	51.57236	.1802907	.0062426	-.69626	.1455364	5.125961
#3	8.471514	52.65635	.1791796	.0064672	-1.15683	.1485139	5.147061

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.484868	9.974494	.0361069	.0087592	5.078736	12.02594	.1054463
Stddev	.232588	.023658	.0051643	.0004610	.006902	.14358	.0008803
%RSD	2.741204	.2371885	14.30280	5.262533	.1359036	1.193960	.8348615
#1	8.350385	9.991460	.0351803	.0082341	5.076145	12.10541	.1055418
#2	8.350782	9.947468	.0314686	.0089462	5.073504	11.86019	.1045221
#3	8.753436	9.984554	.0416717	.0090973	5.086559	12.11221	.1062750

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5033-05A Acquired: 12/23/2024 19:07:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK97A Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.9618752	.1750105	.0868977
Stddev	.0268661	.0020659	.0058600
%RSD	2.793095	1.180439	6.743562
#1	.9567947	.1747968	.0926419
#2	.9379121	.1730598	.0809284
#3	.9909188	.1771750	.0871227

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2308.894	30103.05	2509.856	1980.811	1757.731
Stddev	5.743	103.22	25.323	7.782	5.316
%RSD	.2487434	.3428822	1.008953	.3928733	.3024293
#1	2311.752	30118.53	2496.758	1972.762	1759.149
#2	2312.648	30197.65	2539.046	1988.296	1762.195
#3	2302.283	29992.96	2493.765	1981.375	1751.850

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5034-03A Acquired: 12/23/2024 19:11:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKB6A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1838558	-.032666	.6060495	.1540490	.0406267	74.14206	1.704705
Stddev	.0012436	.003468	.0019441	.0011131	.0037216	.30705	.010286
%RSD	.6764103	10.61704	.3207814	.7225730	9.160592	.4141382	.6033977
#1	.1825638	-.034840	.6040830	.1531999	.0387583	74.23768	1.708703
#2	.1850446	-.034491	.6079704	.1553092	.0382094	74.38993	1.712391
#3	.1839591	-.028666	.6060950	.1536381	.0449123	73.79858	1.693020

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0066429	.0115538	204.1658	.1109638	.1564067	.6593535	202.0175
Stddev	.0002392	.0000492	.5845	.0007841	.0011276	.0065484	.5731
%RSD	3.601280	.4262699	.2863095	.7065972	.7209506	.9931564	.2836934
#1	.0066810	.0115685	204.5520	.1104142	.1572614	.6663113	202.2023
#2	.0068608	.0115940	204.4520	.1106155	.1551287	.6584385	202.4754
#3	.0063869	.0114989	203.4933	.1118617	.1568300	.6533108	201.3748

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	29.92919	78.94244	.2030820	.0135347	-1.91960	.1618923	1.627571
Stddev	.11952	.15529	.0013346	.0011112	.29304	.0061667	.017763
%RSD	.3993442	.1967133	.6571611	8.210061	15.26589	3.809148	1.091379
#1	29.96398	78.81661	.2045341	.0137614	-1.90685	.1622191	1.627590
#2	30.02745	79.11599	.2019091	.0145151	-1.63314	.1555687	1.645325
#3	29.79613	78.89472	.2028029	.0123277	-2.21881	.1678891	1.609799

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.277154	6.513537	.0099884	.0076622	2.432752	12.25286	.0401213
Stddev	.076410	.012747	.0031553	.0004838	.007812	.06873	.0015387
%RSD	1.217265	.1957002	31.58994	6.313941	.3211311	.5609112	3.835153
#1	6.270524	6.527097	.0071105	.0082165	2.441427	12.19383	.0384695
#2	6.356663	6.501798	.0094922	.0074452	2.430558	12.32831	.0403803
#3	6.204276	6.511717	.0133624	.0073249	2.426271	12.23644	.0415140

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5034-03A Acquired: 12/23/2024 19:11:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKB6A Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4549454	.0074127	.0772608
Stddev	.0029873	.0005324	.0014608
%RSD	.6566244	7.182479	1.890688
#1	.4534589	.0080010	.0757909
#2	.4529931	.0072733	.0772791
#3	.4583844	.0069639	.0787123

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2749.992	35758.17	2948.892	2357.128	1808.717
Stddev	7.279	188.94	22.657	7.069	8.853
%RSD	.2646864	.5283752	.7683130	.2998948	.4894617
#1	2750.969	35654.72	2923.268	2349.009	1809.329
#2	2756.733	35976.24	2957.135	2360.456	1817.248
#3	2742.274	35643.54	2966.273	2361.919	1799.574

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5037-06A Acquired: 12/23/2024 19:15:39 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKC0A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1252823	-.020386	4.418269	.1020320	.0295335	55.45297	2.095251
Stddev	.0084094	.003597	.009990	.0027026	.0025746	1.41237	.060228
%RSD	6.712392	17.64551	.2261121	2.648754	8.717683	2.546975	2.874479
#1	.1273158	-.017412	4.407847	.1002705	.0270333	55.34872	2.094686
#2	.1160426	-.024384	4.419196	.1006818	.0293907	54.09561	2.035308
#3	.1324886	-.019361	4.427763	.1051436	.0321766	56.91458	2.155759

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056242	.0142737	374.2223	.1118203	.1130004	.2950655	129.0334
Stddev	.0001979	.0002469	9.6624	.0010529	.0005615	.0100832	3.2509
%RSD	3.518216	1.729621	2.582004	.9415708	.4969021	3.417285	2.519408
#1	.0056150	.0141107	374.0631	.1127394	.1128135	.3022836	128.7952
#2	.0054311	.0145578	364.6404	.1106716	.1125562	.2835447	125.9082
#3	.0058265	.0141527	383.9633	.1120500	.1136315	.2993683	132.3969

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.20659	38.53603	.1391310	.0071720	-1.40235	.1527004	1.903602
Stddev	.27430	1.08309	.0010347	.0003673	.39734	.0050885	.027609
%RSD	2.687527	2.810586	.7437178	5.121879	28.33369	3.332359	1.450333
#1	10.21545	38.51667	.1380778	.0073154	-1.14056	.1480442	1.912513
#2	9.92796	37.46275	.1401463	.0067545	-1.20694	.1581322	1.872639
#3	10.47636	39.62866	.1391688	.0074459	-1.85956	.1519248	1.925655

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.364597	9.813293	.0084765	.0067388	2.518190	8.746439	.1844302
Stddev	.134409	.021918	.0011758	.0008230	.007390	.211963	.0029389
%RSD	3.079523	.2233538	13.87134	12.21307	.2934677	2.423418	1.593513
#1	4.263148	9.793942	.0071624	.0072639	2.510948	8.743355	.1855168
#2	4.313602	9.808840	.0094290	.0071621	2.517902	8.536035	.1811027
#3	4.517041	9.837095	.0088382	.0057903	2.525720	8.959927	.1866711

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5037-06A Acquired: 12/23/2024 19:15:39 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKC0A Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8859397	.4542531	.0840731
Stddev	.0279075	.0126782	.0071449
%RSD	3.150041	2.791002	8.498493
#1	.8839879	.4545320	.0818349
#2	.8590594	.4414377	.0783152
#3	.9147719	.4667896	.0920692

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2273.219	29658.51	2532.568	1949.206	1700.323
Stddev	5.252	53.61	60.723	5.435	2.995
%RSD	.2310263	.1807515	2.397702	.2788382	.1761328
#1	2269.835	29692.83	2535.467	1943.481	1697.843
#2	2270.552	29596.73	2591.791	1949.841	1699.477
#3	2279.269	29685.96	2470.448	1954.295	1703.650

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5039-07A Acquired: 12/23/2024 19:19:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKJ7A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0622393	-.019953	.1773905	.0863554	.0220181	43.27141
Stddev	.0015841	.005277	.0029881	.0013766	.0044501	.26655
%RSD	2.545148	26.44683	1.684471	1.594129	20.21098	.6159966
#1	.0628530	-.021859	.1773963	.0857876	.0184615	43.49174
#2	.0634247	-.024012	.1803756	.0879251	.0205845	43.34736
#3	.0604402	-.013988	.1743995	.0853534	.0270082	42.97513

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6019376	.0045223	.0035789	F 876.2210	.0651266	.1080883
Stddev	.0036415	.0000768	.0001334	3.8437	.0009797	.0008233
%RSD	.6049689	1.698938	3.726408	.4386707	1.504276	.7616777
#1	.6052547	.0045952	.0034760	879.7493	.0659803	.1072348
#2	.6025170	.0045298	.0035311	876.7888	.0640569	.1088776
#3	.5980411	.0044421	.0037295	872.1250	.0653425	.1081526

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2560611	128.4156	7.423799	181.5877	.1148427	.0044392
Stddev	.0010083	.8552	.052851	.8980	.0011613	.0008549
%RSD	.3937760	.6659901	.7119114	.4945052	1.011203	19.25752
#1	.2571035	129.0564	7.463898	182.2305	.1145484	.0050317
#2	.2559888	128.7460	7.443590	181.9708	.1161228	.0048268
#3	.2550908	127.4445	7.363909	180.5617	.1138569	.0034592

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.987113	.1191154	.4434657	7.806863	7.690899	.0393707
Stddev	.495727	.0041885	.0187912	.110167	.012941	.0021507
%RSD	50.21986	3.516345	4.237351	1.411153	.1682575	5.462809
#1	-1.33982	.1144159	.4598961	7.927377	7.691336	.0387036
#2	-.42032	.1204754	.4229769	7.781878	7.677746	.0417760
#3	-1.20120	.1224549	.4475241	7.711335	7.703616	.0376326

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5039-07A Acquired: 12/23/2024 19:19:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKJ7A Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031023	2.009900	12.71023	.0276434	1.433235	.7211283
Stddev	.0001479	.009733	.01322	.0017040	.023124	.0019898
%RSD	4.766122	.4842671	.1039942	6.164223	1.613389	.2759239
#1	.0029952	2.017789	12.72517	.0274053	1.459933	.7233110
#2	.0030408	1.999023	12.70544	.0294540	1.419602	.7206583
#3	.0032710	2.012888	12.70007	.0260710	1.420168	.7194156

Elem	Li6707
Units	ppm
Avg	.0801764
Stddev	.0020770
%RSD	2.590579
#1	.0801315
#2	.0822755
#3	.0781222

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2330.376	30730.04	2581.427	2007.936	1635.929
Stddev	2.998	56.28	20.098	7.836	2.514
%RSD	.1286376	.1831412	.7785613	.3902560	.1536818
#1	2327.061	30694.38	2560.098	2011.276	1634.952
#2	2332.895	30700.82	2584.171	1998.983	1638.785
#3	2331.173	30794.92	2600.013	2013.548	1634.049

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5042-01A Acquired: 12/23/2024 19:23:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKB0A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1237090	-.039323	1.860006	.1213649	.0306554	58.06873	1.296948
Stddev	.0057471	.003564	.006099	.0018551	.0041260	.08422	.001216
%RSD	4.645684	9.063444	.3278884	1.528546	13.45919	.1450290	.0937610
#1	.1300419	-.037917	1.865234	.1220845	.0344231	58.06936	1.298352
#2	.1222603	-.043376	1.853306	.1227524	.0262463	58.15263	1.296265
#3	.1188249	-.036677	1.861478	.1192578	.0312968	57.98420	1.296227

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0064697	.0077133	112.7685	.0956309	.1090573	.4310138	147.5337
Stddev	.0001140	.0001252	.2618	.0006338	.0006626	.0073699	.4593
%RSD	1.762030	1.622708	.2321412	.6627895	.6075513	1.709897	.3113305
#1	.0065648	.0078578	112.6996	.0961370	.1095182	.4388540	147.7706
#2	.0063434	.0076428	113.0578	.0949200	.1082980	.4299596	147.8263
#3	.0065011	.0076394	112.5480	.0958358	.1093556	.4242277	147.0043

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.29344	29.64629	.1457972	.0097201	-.930578	.1510662	1.386141
Stddev	.05694	.07885	.0003400	.0002755	.583941	.0025562	.018196
%RSD	.5042174	.2659563	.2331979	2.834250	62.75030	1.692087	1.312729
#1	11.33094	29.69771	.1454313	.0099148	-.256303	.1540119	1.370233
#2	11.32147	29.68564	.1461034	.0098406	-1.26895	.1494326	1.405982
#3	11.22792	29.55551	.1458568	.0094049	-1.26648	.1497539	1.382209

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.255800	6.762122	.0087733	.0079743	2.016102	10.82792	.0999692
Stddev	.046265	.006857	.0011613	.0004565	.003632	.02450	.0010440
%RSD	.6376310	.1014005	13.23650	5.724540	.1801570	.2262428	1.044306
#1	7.303980	6.769104	.0074470	.0074639	2.017297	10.85416	.1003505
#2	7.211723	6.761864	.0096077	.0083437	2.018986	10.80566	.1007689
#3	7.251697	6.755398	.0092651	.0081151	2.012023	10.82395	.0987882

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5042-01A Acquired: 12/23/2024 19:23:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKB0A Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6830946	.8118526	.0670102
Stddev	.0013460	.0033605	.0022921
%RSD	.1970443	.4139258	3.420461
#1	.6822351	.8082681	.0646137
#2	.6824029	.8123580	.0691811
#3	.6846458	.8149318	.0672357

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2450.339	32044.32	2597.224	2110.470	1826.655
Stddev	1.426	2.36	8.620	7.453	.752
%RSD	.0582085	.0073603	.3318814	.3531524	.0411446
#1	2450.738	32042.88	2587.272	2102.583	1826.427
#2	2448.756	32043.03	2602.103	2117.396	1827.494
#3	2451.524	32047.04	2602.298	2111.432	1826.044

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-01 Acquired: 12/23/2024 19:27:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM14 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1187166	-.031187	.2868859	.0604723	.0292297	56.89192
Stddev	.0048245	.002683	.0003106	.0025406	.0045540	.08509
%RSD	4.063834	8.602371	.1082537	4.201293	15.58022	.1495651
#1	.1223617	-.030012	.2867592	.0576959	.0255855	56.96118
#2	.1205424	-.029292	.2866587	.0610400	.0343350	56.91763
#3	.1132457	-.034257	.2872398	.0626811	.0277685	56.79693

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5945447	.0062381	.0049253	720.9335	.0879267	.1367082
Stddev	.0015282	.0001270	.0000473	1.2956	.0008250	.0002817
%RSD	.2570401	2.036481	.9599167	.1797080	.9382721	.2060339
#1	.5958391	.0063810	.0048709	721.7701	.0872978	.1369282
#2	.5949362	.0061379	.0049565	721.5892	.0888608	.1363908
#3	.5928589	.0061953	.0049485	719.4411	.0876215	.1368057

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5069373	164.6179	10.67744	132.9904	.1856282	.0063547
Stddev	.0045546	.2846	.02574	.3947	.0010979	.0005882
%RSD	.8984580	.1728921	.2411002	.2967516	.5914547	9.255977
#1	.5103749	164.6599	10.70486	133.4245	.1843721	.0069128
#2	.5017715	164.8792	10.67366	132.8934	.1864046	.0064108
#3	.5086656	164.3147	10.65380	132.6533	.1861080	.0057404

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.705134	.1380297	.4805664	8.979762	F 11.35886	.0247774
Stddev	.560184	.0014034	.0115206	.071890	.03675	.0019946
%RSD	79.44353	1.016726	2.397292	.8005773	.3235102	8.049940
#1	-1.35198	.1391654	.4840194	8.912860	11.32442	.0227201
#2	-.38127	.1364608	.4677142	8.970655	11.35461	.0267026
#3	-.38215	.1384629	.4899656	9.055772	11.39754	.0249095

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-01 Acquired: 12/23/2024 19:27:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM14 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034810	1.762356	4.556958	.0294942	.6518835	.5066223
Stddev	.0003507	.009711	.027936	.0011397	.0075282	.0010994
%RSD	10.07578	.5510335	.6130465	3.864008	1.154839	.2169999
#1	.0033370	1.751851	4.567964	.0282105	.6529687	.5071273
#2	.0032252	1.764210	4.577714	.0303870	.6588101	.5073784
#3	.0038809	1.771006	4.525194	.0298850	.6438715	.5053611

Elem	Li6707
Units	ppm
Avg	.1084141
Stddev	.0014626
%RSD	1.349051
#1	.1083091
#2	.1070069
#3	.1099264

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2503.256	32791.90	2758.664	2149.588	1663.336
Stddev	2.260	31.27	10.047	1.370	2.587
%RSD	.0902770	.0953677	.3642118	.0637262	.1555433
#1	2500.941	32782.95	2749.696	2151.136	1663.064
#2	2505.456	32766.09	2756.774	2149.095	1666.048
#3	2503.370	32826.68	2769.522	2148.532	1660.895

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-02 Acquired: 12/23/2024 19:31:07 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM15 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1013409	-.043997	2.083816	.0744636	.0329566	64.03967
Stddev	.0051796	.001466	.015170	.0029477	.0055137	.22563
%RSD	5.111091	3.332037	.7279732	3.958614	16.73031	.3523298
#1	.0954942	-.043167	2.066304	.0771951	.0272267	63.84568
#2	.1031733	-.045690	2.092243	.0748565	.0382252	64.28728
#3	.1053552	-.043135	2.092902	.0713391	.0334178	63.98605

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.039386	.0061273	.0074620	125.0461	.2927634	.1112299
Stddev	.002926	.0001572	.0000974	.2652	.0008100	.0011976
%RSD	.2814924	2.565015	1.305125	.2121102	.2766851	1.076657
#1	1.039646	.0063055	.0074474	124.9932	.2936637	.1098485
#2	1.042172	.0060086	.0073727	125.3338	.2920935	.1118663
#3	1.036338	.0060678	.0075659	124.8113	.2925330	.1119749

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4087683	148.9661	8.868040	34.62251	.2489860	.0080421
Stddev	.0060751	.6634	.031961	.06039	.0019574	.0002329
%RSD	1.486186	.4453394	.3604021	.1744287	.7861497	2.895980
#1	.4078443	148.6051	8.863455	34.62642	.2471387	.0080142
#2	.4032082	149.7317	8.902046	34.56026	.2487819	.0078244
#3	.4152524	148.5616	8.838620	34.68086	.2510375	.0082877

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.12196	.1620632	1.839903	7.231924	F 13.65551	.0226659
Stddev	.77151	.0003194	.013429	.102632	.12128	.0015942
%RSD	68.76475	.1971172	.7298609	1.419157	.8881735	7.033492
#1	-.72188	.1617073	1.831120	7.243415	13.51874	.0243592
#2	-.63266	.1621573	1.855361	7.328328	13.69781	.0224446
#3	-2.01133	.1623250	1.833228	7.124030	13.74997	.0211940

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-02 Acquired: 12/23/2024 19:31:07 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM15 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0136467	5.669478	4.063768	.0915150	.8222798	.0827174
Stddev	.0001629	.039196	.022312	.0014871	.0028007	.0004423
%RSD	1.193640	.6913537	.5490474	1.625018	.3406079	.5346880
#1	.0137834	5.624333	4.045115	.0899385	.8240999	.0827183
#2	.0134665	5.689256	4.088485	.0928927	.8190546	.0822747
#3	.0136902	5.694845	4.057705	.0917139	.8236848	.0831592

Elem	Li6707
Units	ppm
Avg	.0879730
Stddev	.0049078
%RSD	5.578766
#1	.0889071
#2	.0826652
#3	.0923466

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2481.841	32545.20	2642.359	2132.212	1846.097
Stddev	19.674	47.85	10.336	4.979	15.577
%RSD	.7927070	.1470213	.3911741	.2335046	.8437558
#1	2504.545	32506.76	2647.297	2133.691	1863.566
#2	2469.809	32598.79	2630.480	2136.284	1833.654
#3	2471.170	32530.04	2649.300	2126.661	1841.070

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-03 Acquired: 12/23/2024 19:34:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM16 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1123266	-.047954	2.310999	.0750970	.0344215	62.16879
Stddev	.0027289	.000581	.003170	.0035551	.0011898	1.57935
%RSD	2.429394	1.210872	.1371852	4.733955	3.456596	2.540428
#1	.1139324	-.048619	2.310171	.0710042	.0348754	60.35313
#2	.1091758	-.047552	2.308325	.0768691	.0353175	62.92872
#3	.1138716	-.047690	2.314502	.0774177	.0330715	63.22453

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9396039	.0060861	.0071737	74.35208	.1905902	.1002285
Stddev	.0249474	.0000449	.0001325	1.86551	.0005188	.0004897
%RSD	2.655094	.7379376	1.846402	2.509024	.2722167	.4885464
#1	.9109675	.0060424	.0073016	72.20061	.1911829	.1000848
#2	.9512128	.0060837	.0071824	75.33541	.1903694	.0998268
#3	.9566313	.0061321	.0070371	75.52021	.1902182	.1007739

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2966614	143.2558	7.864141	30.18935	.2051535	.0061205
Stddev	.0132943	3.5110	.194807	.76870	.0003003	.0003111
%RSD	4.481288	2.450827	2.477159	2.546262	.1463937	5.082526
#1	.2890467	139.2029	7.639197	29.30711	.2049112	.0063849
#2	.2889253	145.1958	7.976436	30.54599	.2054895	.0061989
#3	.3120121	145.3687	7.976789	30.71495	.2050597	.0057777

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.965513	.1645243	1.402517	5.250367	F 11.75500	.0187571
Stddev	.599441	.0051271	.034726	.280348	.01548	.0026034
%RSD	62.08529	3.116330	2.475988	5.339594	.1316752	13.87951
#1	-.430323	.1684428	1.377836	4.929740	11.74068	.0170985
#2	-1.61325	.1587217	1.387489	5.449331	11.75291	.0174152
#3	-.85296	.1664085	1.442226	5.372029	11.77142	.0217577

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-03 Acquired: 12/23/2024 19:34:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM16 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0101208	3.581614	3.929294	.0742985	.9045762	.0161415
Stddev	.0002382	.010671	.062766	.0016133	.0223964	.0005475
%RSD	2.353897	.2979270	1.597377	2.171317	2.475896	3.391753
#1	.0103956	3.570601	3.857538	.0729229	.8787371	.0155101
#2	.0099936	3.591906	3.956351	.0760741	.9184197	.0164289
#3	.0099731	3.582334	3.973993	.0738986	.9165718	.0164853

Elem	Li6707
Units	ppm
Avg	.0823227
Stddev	.0040639
%RSD	4.936530
#1	.0782105
#2	.0863365
#3	.0824210

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2507.488	32829.88	2677.875	2168.815	1864.846
Stddev	2.932	197.19	48.497	8.131	3.752
%RSD	.1169452	.6006312	1.811022	.3749044	.2011779
#1	2510.459	33049.93	2733.772	2178.014	1869.044
#2	2507.409	32770.49	2652.855	2165.844	1861.821
#3	2504.596	32669.21	2646.997	2162.587	1863.674

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-04 Acquired: 12/23/2024 19:38:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM17 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1575959	-.049369	2.367253	.0844578	.0398493	73.85069
Stddev	.0023837	.002591	.002585	.0033567	.0006972	.12687
%RSD	1.512554	5.248254	.1092041	3.974357	1.749642	.1717903
#1	.1566137	-.050499	2.370185	.0825533	.0406509	73.97038
#2	.1558602	-.046405	2.366276	.0824866	.0395130	73.71769
#3	.1603138	-.051203	2.365299	.0883336	.0393840	73.86400

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.162355	.0073404	.0086412	247.4225	.1399014	.1414685
Stddev	.005936	.0002973	.0000885	.8003	.0010188	.0005280
%RSD	.5107141	4.049829	1.023863	.3234650	.7282294	.3732375
#1	1.168688	.0075787	.0085498	248.3129	.1404464	.1420119
#2	1.156918	.0074353	.0086473	246.7631	.1405319	.1409574
#3	1.161458	.0070073	.0087264	247.1915	.1387260	.1414363

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4203225	182.4023	12.28544	59.15284	.2133999	.0084264
Stddev	.0071303	.6381	.04336	.49588	.0014440	.0011773
%RSD	1.696389	.3498473	.3529499	.8383078	.6766620	13.97208
#1	.4122895	183.1388	12.33430	59.64724	.2146560	.0075398
#2	.4259025	182.0533	12.25154	59.15581	.2137214	.0097622
#3	.4227755	182.0148	12.27047	58.65548	.2118222	.0079772

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.39306	.1875861	1.721195	7.372362	F 11.24994	.0066694
Stddev	.34351	.0064892	.008878	.117607	.00956	.0013245
%RSD	24.65885	3.459331	.5158162	1.595246	.0849673	19.85993
#1	-1.70515	.1937435	1.721793	7.468621	11.26020	.0080785
#2	-1.44903	.1808094	1.729758	7.407190	11.24834	.0054498
#3	-1.02500	.1882055	1.712032	7.241274	11.24129	.0064798

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-04 Acquired: 12/23/2024 19:38:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM17 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0085918	2.739953	4.337008	.0825996	.9366015	.0716909
Stddev	.0003827	.003768	.017934	.0017774	.0087330	.0003450
%RSD	4.454477	.1375319	.4135146	2.151823	.9324176	.4812450
#1	.0090092	2.740696	4.356650	.0844695	.9265323	.0714758
#2	.0082573	2.735868	4.321505	.0823972	.9421100	.0720888
#3	.0085089	2.743294	4.332870	.0809320	.9411621	.0715081

Elem	Li6707
Units	ppm
Avg	.1004701
Stddev	.0027112
%RSD	2.698511
#1	.0988802
#2	.0989295
#3	.1036006

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2558.404	33199.32	2740.137	2189.487	1767.830
Stddev	1.125	171.08	19.939	20.141	.244
%RSD	.0439802	.5153146	.7276675	.9199045	.0138058
#1	2559.479	33030.15	2718.738	2175.855	1767.875
#2	2557.234	33195.56	2743.479	2179.985	1767.566
#3	2558.498	33372.25	2758.194	2212.621	1768.048

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-05 Acquired: 12/23/2024 19:42:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM18 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1435189	-.059840	5.476937	.0942742	.0396500	69.29366
Stddev	.0043617	.003101	.005403	.0013843	.0030746	.33029
%RSD	3.039093	5.181448	.0986409	1.468414	7.754444	.4766459
#1	.1423201	-.056866	5.477522	.0958689	.0361035	68.91449
#2	.1398819	-.063053	5.471265	.0933824	.0412812	69.51877
#3	.1483546	-.059602	5.482023	.0935712	.0415654	69.44771

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.547300	.0072033	.0103378	92.28652	.1400667	.1263741
Stddev	.010651	.0000860	.0001046	.38059	.0008855	.0007103
%RSD	.4181372	1.193972	1.012177	.4124044	.6322094	.5620746
#1	2.535024	.0072673	.0103755	91.89558	.1391727	.1265948
#2	2.554082	.0072372	.0102195	92.65585	.1400840	.1255797
#3	2.552794	.0071055	.0104183	92.30812	.1409435	.1269479

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5716014	179.8817	11.55312	26.21185	.1866913	.0097051
Stddev	.0075656	.4506	.03667	.09634	.0009532	.0005988
%RSD	1.323585	.2504926	.3173767	.3675503	.5105594	6.169769
#1	.5633048	179.3769	11.51089	26.10525	.1876748	.0090860
#2	.5781190	180.2433	11.57690	26.29271	.1857717	.0102813
#3	.5733804	180.0249	11.57157	26.23758	.1866275	.0097479

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.32131	.1855647	2.618007	7.732454	F 14.39280	.0146318
Stddev	.36760	.0147818	.023874	.047830	.03986	.0004986
%RSD	27.82065	7.965870	.9119102	.6185625	.2769324	3.407760
#1	-1.67333	.1696141	2.604663	7.733763	14.35117	.0141924
#2	-.93990	.1882781	2.645570	7.683983	14.39662	.0145293
#3	-1.35071	.1988018	2.603788	7.779616	14.43062	.0151737

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-05 Acquired: 12/23/2024 19:42:41 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM18 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0089042	3.361219	4.420208	.1410216	.9001725	.0832608
Stddev	.0005248	.004265	.036069	.0007733	.0030719	.0009153
%RSD	5.894213	.1268829	.8160006	.5483690	.3412561	1.099361
#1	.0088142	3.358259	4.399813	.1412473	.8972075	.0830773
#2	.0084302	3.366107	4.398957	.1401605	.8999689	.0842541
#3	.0094682	3.359290	4.461853	.1416569	.9033412	.0824512

Elem	Li6707
Units	ppm
Avg	.0989337
Stddev	.0042833
%RSD	4.329465
#1	.0942043
#2	.1025519
#3	.1000448

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2590.713	33752.90	2763.642	2230.673	1848.732
Stddev	7.756	150.67	14.668	14.303	5.737
%RSD	.2993586	.4463899	.5307464	.6411764	.3103150
#1	2593.289	33920.45	2779.094	2242.666	1848.895
#2	2596.853	33628.55	2761.920	2214.844	1854.386
#3	2581.997	33709.69	2749.910	2234.510	1842.916

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-06 Acquired: 12/23/2024 19:46:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM19 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1402854	-.041293	1.266073	.0995985	.0394027	81.44420
Stddev	.0008763	.003712	.005236	.0024397	.0046748	.09054
%RSD	.6246291	8.988904	.4135444	2.449519	11.86402	.1111721
#1	.1402363	-.038633	1.267366	.0990421	.0437803	81.38347
#2	.1411853	-.039713	1.260312	.0974850	.0399491	81.54827
#3	.1394348	-.045534	1.270541	.1022683	.0344788	81.40088

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.329947	.0076168	.0086056	91.11246	.1437193	.1407518
Stddev	.002473	.0003619	.0001688	.02216	.0011996	.0003613
%RSD	.1859235	4.751733	1.961648	.0243218	.8346888	.2567039
#1	1.329782	.0072545	.0084513	91.09028	.1431457	.1410218
#2	1.327560	.0076175	.0085795	91.13460	.1450980	.1408922
#3	1.332497	.0079784	.0087859	91.11252	.1429140	.1403414

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3922624	190.1049	14.09901	30.25701	.2130339	.0092645
Stddev	.0025255	.1473	.01532	.09105	.0003819	.0012441
%RSD	.6438400	.0774661	.1086955	.3009174	.1792891	13.42843
#1	.3893905	190.2747	14.11517	30.32310	.2126240	.0090402
#2	.3941374	190.0264	14.08469	30.15315	.2130978	.0106055
#3	.3932591	190.0134	14.09718	30.29477	.2133798	.0081478

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.44070	.1889259	1.241457	7.200578	F 13.42049	.0085051
Stddev	.13489	.0086143	.006637	.066376	.03553	.0012576
%RSD	9.363007	4.559615	.5346448	.9218103	.2647411	14.78635
#1	-1.57343	.1966736	1.239728	7.269506	13.40843	.0099049
#2	-1.30375	.1904545	1.235855	7.195139	13.39256	.0081398
#3	-1.44493	.1796497	1.248787	7.137089	13.46048	.0074706

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-06 Acquired: 12/23/2024 19:46:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM19 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0093495	3.009026	5.385096	.0636575	.9551844	.0327203
Stddev	.0006042	.003330	.026925	.0010718	.0035307	.0007380
%RSD	6.462250	.1106642	.4999992	1.683673	.3696372	2.255444
#1	.0086564	3.010646	5.413268	.0637017	.9560990	.0326286
#2	.0096273	3.005196	5.382398	.0625643	.9581678	.0334998
#3	.0097649	3.011236	5.359620	.0647065	.9512864	.0320324

Elem	Li6707
Units	ppm
Avg	.1268124
Stddev	.0039351
%RSD	3.103090
#1	.1228492
#2	.1268691
#3	.1307188

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2680.202	35046.82	2836.746	2317.749	1844.592
Stddev	5.778	244.53	8.397	20.853	3.479
%RSD	.2155718	.6977180	.2960147	.8997282	.1886281
#1	2680.704	34774.49	2827.545	2294.744	1846.940
#2	2685.712	35247.57	2838.699	2335.410	1846.241
#3	2674.190	35118.40	2843.995	2323.093	1840.595

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-07 Acquired: 12/23/2024 19:50:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM20 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0778295	-.038719	.3335027	.0668320	.0352842	60.23274	.6489582
Stddev	.0039935	.002050	.0028352	.0021435	.0015162	.29218	.0025995
%RSD	5.131037	5.295518	.8501278	3.207297	4.297190	.4850796	.4005635
#1	.0766072	-.037882	.3346013	.0683018	.0341265	60.02681	.6481959
#2	.0822913	-.041056	.3302826	.0643725	.0370004	60.10428	.6468251
#3	.0745901	-.037220	.3356242	.0678217	.0347256	60.56714	.6518536

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054712	.0044923	308.2603	.0937609	.1186668	.1904115	162.8763
Stddev	.0000997	.0000582	1.2481	.0006281	.0006070	.0067715	.6692
%RSD	1.822560	1.295466	.4048910	.6698603	.5115079	3.556218	.4108943
#1	.0054040	.0044514	307.6870	.0943149	.1179909	.1833789	162.4667
#2	.0055858	.0045590	307.4019	.0938891	.1191654	.1968874	162.5137
#3	.0054238	.0044667	309.6921	.0930786	.1188441	.1909682	163.6486

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.01426	57.83524	.1715075	.0055929	-1.17630	.1651764	.5239852
Stddev	.04629	.15562	.0004168	.0004421	.66916	.0076857	.0254792
%RSD	.4622454	.2690700	.2430264	7.904057	56.88660	4.653035	4.862573
#1	9.99282	57.86653	.1716212	.0055314	-1.81504	.1645799	.4946163
#2	9.98256	57.66635	.1718557	.0060625	-1.23345	.1731430	.5401830
#3	10.06738	57.97283	.1710457	.0051848	-.48040	.1578064	.5371563

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.628740	8.149578	-.003681	.0079553	.8735110	4.695047	.0317883
Stddev	.157295	.015246	.002858	.0002314	.0072724	.010242	.0001862
%RSD	3.398227	.1870776	77.64507	2.908764	.8325523	.2181482	.5856938
#1	4.609180	8.158316	-.005061	.0081859	.8653142	4.691922	.0318465
#2	4.482140	8.131974	-.005586	.0079568	.8791897	4.686731	.0315799
#3	4.794901	8.158444	-.000395	.0077231	.8760291	4.706487	.0319384

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-07 Acquired: 12/23/2024 19:50:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM20 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.9869674	.2129705	.0981133
Stddev	.0052317	.0020811	.0017545
%RSD	.5300738	.9771979	1.788252
#1	.9829602	.2108580	.0997360
#2	.9928860	.2130349	.0962515
#3	.9850560	.2150188	.0983523

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2433.204	31716.07	2621.541	2079.101	1800.353
Stddev	7.509	152.36	10.014	16.900	5.241
%RSD	.3086075	.4803854	.3820053	.8128490	.2910984
#1	2441.144	31641.06	2612.329	2078.345	1803.773
#2	2432.253	31891.39	2632.200	2096.366	1802.967
#3	2426.216	31615.76	2620.093	2062.592	1794.319

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-08 Acquired: 12/23/2024 19:54:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM21 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0669002	-.029795	.4000644	.0514632	.0310500	49.57013	.5232404
Stddev	.0044748	.006265	.0037921	.0026723	.0003306	.12347	.0005519
%RSD	6.688839	21.02613	.9478665	5.192633	1.064720	.2490874	.1054852
#1	.0703973	-.031636	.3998898	.0512720	.0309122	49.68039	.5229491
#2	.0684459	-.034932	.4039408	.0488917	.0314272	49.43672	.5228951
#3	.0618574	-.022816	.3963626	.0542260	.0308106	49.59328	.5238770

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052275	.0041402	539.9597	.0849910	.1101595	.2532437	149.5567
Stddev	.0000592	.0000483	1.5913	.0006321	.0002691	.0038730	.0778
%RSD	1.132029	1.165888	.2947012	.7437252	.2442707	1.529362	.0520262
#1	.0052618	.0040845	541.7791	.0852299	.1102320	.2577151	149.4856
#2	.0051592	.0041654	538.8278	.0842743	.1098616	.2510831	149.6398
#3	.0052615	.0041706	539.2721	.0854689	.1103849	.2509330	149.5447

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.743953	88.21216	.1490813	.0057247	-1.65659	.1514307	.5381470
Stddev	.007100	.07132	.0002706	.0006106	.39588	.0087735	.0153435
%RSD	.0916801	.0808533	.1815258	10.66564	23.89733	5.793720	2.851181
#1	7.751131	88.13597	.1488458	.0064177	-1.32594	.1613544	.5549161
#2	7.743794	88.22317	.1493769	.0052658	-2.09527	.1482334	.5347143
#3	7.736934	88.27733	.1490212	.0054906	-1.54855	.1447043	.5248105

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.493744	8.003295	.0113532	.0050525	.9008943	3.146957	.0279458
Stddev	.148654	.010509	.0025036	.0003868	.0083662	.016006	.0014173
%RSD	2.705886	.1313120	22.05213	7.656129	.9286537	.5086225	5.071613
#1	5.494580	8.007948	.0101210	.0051800	.9070524	3.165103	.0277800
#2	5.344673	8.010675	.0097045	.0046180	.8913692	3.134846	.0266187
#3	5.641978	7.991263	.0142341	.0053594	.9042612	3.140921	.0294387

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-08 Acquired: 12/23/2024 19:54:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM21 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7139518	.3920811	.0891769
Stddev	.0061025	.0014011	.0041413
%RSD	.8547528	.3573583	4.643916
#1	.7207732	.3936175	.0936607
#2	.7090106	.3908739	.0883742
#3	.7120716	.3917519	.0854956

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2387.325	31259.99	2613.600	2044.049	1715.959
Stddev	8.965	168.51	13.171	9.528	5.106
%RSD	.3755066	.5390576	.5039416	.4661237	.2975362
#1	2397.059	31277.89	2601.762	2044.970	1718.439
#2	2379.408	31418.84	2627.788	2053.083	1710.087
#3	2385.508	31083.25	2611.250	2034.094	1719.351

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-09 Acquired: 12/23/2024 19:58:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM22 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1824605	-.051796	2.490988	.0816015	.0369453	64.98475
Stddev	.0015598	.007525	.004684	.0036660	.0023227	.13469
%RSD	.8548859	14.52779	.1880563	4.492594	6.286821	.2072573
#1	.1824113	-.055695	2.489639	.0785676	.0342674	65.03408
#2	.1840443	-.043122	2.487125	.0805618	.0381554	64.83235
#3	.1809258	-.056571	2.496198	.0856751	.0384131	65.08781

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.638637	.0068990	.0103320	163.6202	.1848807	.1202882
Stddev	.003754	.0000782	.0000096	.5948	.0008498	.0000976
%RSD	.2290906	1.133641	.0932760	.3635349	.4596340	.0811092
#1	1.639386	.0068926	.0103354	163.5345	.1846464	.1202356
#2	1.634565	.0068242	.0103395	163.0729	.1858230	.1202282
#3	1.641960	.0069802	.0103211	164.2532	.1841726	.1204008

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3790831	170.9787	7.781434	55.95545	.2954767	.0069814
Stddev	.0125489	.2017	.009682	.14617	.0010719	.0003174
%RSD	3.310333	.1179712	.1244303	.2612279	.3627804	4.546632
#1	.3761433	171.0625	7.784609	55.94602	.2953107	.0072532
#2	.3682650	170.7485	7.770563	56.10612	.2944974	.0066326
#3	.3928409	171.1249	7.789131	55.81423	.2966219	.0070583

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.679136	.1768828	2.461482	8.575013	F 15.13471	.0369422
Stddev	.176201	.0020625	.040348	.133004	.04166	.0012294
%RSD	25.94486	1.166051	1.639180	1.551067	.2752728	3.327797
#1	-.517301	.1782659	2.449286	8.452363	15.13207	.0367815
#2	-.653265	.1745121	2.428639	8.716387	15.09443	.0358010
#3	-.866842	.1778703	2.506521	8.556289	15.17763	.0382439

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-09 Acquired: 12/23/2024 19:58:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM22 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0134149	5.688309	3.426039	.1201900	.9188533	.0641522
Stddev	.0005164	.015614	.018175	.0005475	.0011708	.0011370
%RSD	3.849713	.2744905	.5304859	.4555510	.1274174	1.772413
#1	.0133895	5.670280	3.405174	.1196094	.9192248	.0644514
#2	.0139436	5.697405	3.434523	.1206970	.9175418	.0628955
#3	.0129117	5.697241	3.438421	.1202638	.9197933	.0651098

Elem	Li6707
Units	ppm
Avg	.0928382
Stddev	.0027016
%RSD	2.910054
#1	.0913025
#2	.0959577
#3	.0912545

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2488.432	32431.33	2665.313	2145.129	1802.882
Stddev	5.150	46.97	3.285	4.673	7.198
%RSD	.2069745	.1448291	.1232454	.2178304	.3992416
#1	2493.503	32383.34	2666.730	2139.823	1809.555
#2	2488.587	32477.20	2661.557	2146.936	1803.837
#3	2483.205	32433.46	2667.651	2148.629	1795.254

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-10 Acquired: 12/23/2024 20:01:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM23 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3148312	-.089319	2.185079	.1193108	.0535377	63.76070
Stddev	.0033671	.004975	.004680	.0011711	.0014175	.09345
%RSD	1.069486	5.569421	.2141780	.9815438	2.647718	.1465639
#1	.3167949	-.092617	2.183809	.1206629	.0519014	63.85541
#2	.3109433	-.091744	2.181165	.1186182	.0543910	63.75812
#3	.3167555	-.083597	2.190263	.1186512	.0543208	63.66856

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.199761	.0087262	.0105114	180.4676	.1610887	.1191594
Stddev	.001951	.0002406	.0000355	.2884	.0006483	.0006112
%RSD	.1626199	2.757804	.3380272	.1597977	.4024270	.5129585
#1	1.201002	.0087946	.0104988	180.6754	.1604778	.1197796
#2	1.200768	.0089252	.0104839	180.5891	.1617688	.1185575
#3	1.197512	.0084587	.0105515	180.1384	.1610194	.1191411

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3176053	245.7791	7.973342	57.23358	.2766070	.0095305
Stddev	.0069682	.3134	.014403	.16041	.0008929	.0003467
%RSD	2.193985	.1274980	.1806411	.2802810	.3228061	3.637801
#1	.3102213	246.1244	7.988199	57.21829	.2756614	.0093809
#2	.3240656	245.6998	7.959441	57.40110	.2767237	.0092837
#3	.3185291	245.5129	7.972385	57.08136	.2774357	.0099268

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.30637	.2177344	1.814622	6.519849	F 14.00999	.0075628
Stddev	.91909	.0051287	.018528	.140883	.02151	.0038289
%RSD	70.35494	2.355496	1.021030	2.160830	.1535561	50.62832
#1	-.68178	.2120512	1.798619	6.580290	13.99699	.0115724
#2	-2.36173	.2191339	1.810328	6.358831	13.99816	.0039447
#3	-.87559	.2220181	1.834921	6.620427	14.03482	.0071712

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-10 Acquired: 12/23/2024 20:01:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM23 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0121085	3.786406	3.560373	.0980340	.9070800	-.006142
Stddev	.0005469	.008955	.032549	.0009215	.0061829	.000499
%RSD	4.516597	.2365126	.9142086	.9399590	.6816241	8.124159
#1	.0121360	3.787317	3.552567	.0975981	.9095514	-.006326
#2	.0115485	3.777029	3.596115	.0974114	.9116449	-.005577
#3	.0126412	3.794870	3.532436	.0990926	.9000437	-.006522

Elem	Li6707
Units	ppm
Avg	.0865496
Stddev	.0026090
%RSD	3.014477
#1	.0845887
#2	.0895107
#3	.0855494

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2475.776	32301.55	2656.513	2134.898	1800.325
Stddev	2.123	44.75	24.589	9.413	3.879
%RSD	.0857392	.1385355	.9255940	.4409264	.2154431
#1	2475.836	32273.98	2645.275	2128.370	1804.097
#2	2477.867	32353.18	2639.551	2145.689	1800.531
#3	2473.623	32277.49	2684.712	2130.636	1796.347

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-11 Acquired: 12/23/2024 20:05:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM24 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1949189	-.032761	1.408387	.0598040	.0298386	58.08730
Stddev	.0081413	.002565	.007142	.0051367	.0006426	.05476
%RSD	4.176782	7.830393	.5071274	8.589194	2.153681	.0942705
#1	.2042655	-.030609	1.404567	.0644976	.0305704	58.06306
#2	.1911184	-.035600	1.403967	.0605977	.0295790	58.04883
#3	.1893727	-.032075	1.416627	.0543166	.0293663	58.14999

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.023901	.0056738	.0072337	280.9454	.1177344	.1116416
Stddev	.003249	.0001161	.0000228	.4212	.0012419	.0007824
%RSD	.3173395	2.046589	.3152738	.1499229	1.054852	.7007963
#1	1.026948	.0057352	.0072416	281.0385	.1174575	.1124929
#2	1.024273	.0057464	.0072080	280.4855	.1166542	.1109540
#3	1.020482	.0055399	.0072516	281.3123	.1190914	.1114780

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2701267	142.9715	8.935746	63.03490	.2028670	.0052175
Stddev	.0059540	.2986	.024611	.15047	.0000598	.0008101
%RSD	2.204141	.2088280	.2754174	.2387170	.0294812	15.52585
#1	.2633190	143.1496	8.959456	62.99207	.2029359	.0045376
#2	.2726989	142.6268	8.910324	63.20215	.2028283	.0050011
#3	.2743621	143.1382	8.937458	62.91049	.2028368	.0061138

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.84005	.1675457	1.257114	5.774582	F 12.18627	.0222944
Stddev	.60689	.0042580	.010906	.106658	.02522	.0015154
%RSD	32.98206	2.541395	.8675106	1.847026	.2069834	6.797240
#1	-1.24680	.1708162	1.245055	5.652275	12.16905	.0218981
#2	-1.81365	.1627311	1.266284	5.848255	12.17454	.0239686
#3	-2.45971	.1690899	1.260004	5.823215	12.21523	.0210166

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-11 Acquired: 12/23/2024 20:05:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM24 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0077402	2.226879	3.640729	.0571434	.8009584	.1526464
Stddev	.0000332	.005079	.016548	.0012694	.0014067	.0004893
%RSD	.4291164	.2280709	.4545296	2.221453	.1756312	.3205630
#1	.0077138	2.221193	3.645314	.0569721	.8001585	.1525627
#2	.0077292	2.228480	3.622372	.0559684	.8001341	.1522043
#3	.0077775	2.230965	3.654501	.0584898	.8025827	.1531722

Elem	Li6707
Units	ppm
Avg	.0821919
Stddev	.0023575
%RSD	2.868258
#1	.0838980
#2	.0831760
#3	.0795018

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2433.685	31672.16	2639.742	2081.629	1782.717
Stddev	12.111	66.59	11.890	7.500	6.927
%RSD	.4976270	.2102518	.4504358	.3602779	.3885772
#1	2441.725	31668.65	2633.128	2086.739	1787.091
#2	2439.574	31740.44	2653.469	2085.129	1786.330
#3	2419.756	31607.40	2632.630	2073.019	1774.730

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-12 Acquired: 12/23/2024 20:09:39 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM25 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2438699	-.138792	2.134735	.1770303	.0752307	61.97240
Stddev	.0018764	.003226	.006756	.0027215	.0025772	.13384
%RSD	.7694314	2.324516	.3164590	1.537300	3.425776	.2159650
#1	.2426584	-.138820	2.138311	.1738891	.0745743	61.85508
#2	.2429199	-.142004	2.138950	.1786794	.0730451	62.11818
#3	.2460313	-.135552	2.126943	.1785224	.0780726	61.94394

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.459469	.0106693	.0107250	253.4911	.1204812	.1588242
Stddev	.002750	.0001037	.0002599	.1599	.0007843	.0003871
%RSD	.1884242	.9717892	2.423457	.0630641	.6510108	.2437372
#1	1.459389	.0105668	.0110224	253.3622	.1197335	.1592066
#2	1.462258	.0107741	.0105413	253.4412	.1212977	.1584325
#3	1.456759	.0106671	.0106113	253.6700	.1204122	.1588335

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4272444	364.1875	8.958600	42.79135	.2604701	.0144679
Stddev	.0045297	.4443	.003627	.23805	.0005559	.0007276
%RSD	1.060205	.1219857	.0404914	.5563101	.2134196	5.029151
#1	.4324529	363.7222	8.954420	42.53009	.2609647	.0136720
#2	.4242263	364.6071	8.960922	42.84799	.2605771	.0150990
#3	.4250540	364.2333	8.960458	42.99598	.2598685	.0146328

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.778041	.1878052	1.503856	8.560935	F 15.91465	-.002702
Stddev	.611239	.0071848	.012068	.154183	.01964	.008217
%RSD	78.56129	3.825695	.8024797	1.801004	.1233954	304.1493
#1	-.855673	.1960848	1.515944	8.674194	15.92429	-.000203
#2	-.131695	.1841208	1.503816	8.623267	15.92761	-.011878
#3	-1.34676	.1832099	1.491808	8.385345	15.89206	.003976

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-12 Acquired: 12/23/2024 20:09:39 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM25 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0074481	2.735181	3.804057	.1540318	.8959209	-.025843
Stddev	.0007238	.004264	.030683	.0008356	.0027582	.000949
%RSD	9.717528	.1558968	.8065985	.5424863	.3078673	3.672395
#1	.0071331	2.740011	3.791440	.1539475	.8928240	-.024842
#2	.0082760	2.731938	3.839038	.1532415	.8981135	-.025957
#3	.0069352	2.733594	3.781694	.1549063	.8968251	-.026730

Elem	Li6707
Units	ppm
Avg	.0952139
Stddev	.0014240
%RSD	1.495576
#1	.0952556
#2	.0937695
#3	.0966166

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2510.314	32800.96	2728.873	2157.661	1817.759
Stddev	7.279	105.52	7.391	14.022	4.748
%RSD	.2899779	.3217124	.2708624	.6498675	.2611903
#1	2502.324	32682.16	2721.698	2142.019	1812.285
#2	2516.569	32836.87	2728.457	2169.103	1820.743
#3	2512.049	32883.84	2736.464	2161.861	1820.251

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-13 Acquired: 12/23/2024 20:13:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM25D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2391468	-.142135	2.139417	.1785172	.0778098	62.12920
Stddev	.0001431	.004247	.003602	.0048403	.0017369	.14954
%RSD	.0598453	2.987666	.1683590	2.711407	2.232307	.2406892
#1	.2389871	-.144522	2.142175	.1739121	.0758207	62.28784
#2	.2391901	-.137232	2.135342	.1780768	.0790272	61.99084
#3	.2392633	-.144651	2.140734	.1835627	.0785814	62.10893

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.464246	.0108045	.0105825	254.4614	.1197563	.1594454
Stddev	.005144	.0002496	.0002378	.6359	.0006265	.0008569
%RSD	.3513290	2.310313	2.247294	.2499027	.5231423	.5374563
#1	1.469646	.0110695	.0103124	255.1623	.1191526	.1596587
#2	1.459402	.0105739	.0106747	253.9213	.1204034	.1585020
#3	1.463691	.0107701	.0107605	254.3007	.1197130	.1601756

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4309124	365.6136	8.994116	42.87307	.2610668	.0139522
Stddev	.0081316	.9230	.024552	.15365	.0013581	.0007769
%RSD	1.887058	.2524527	.2729741	.3583786	.5202235	5.568053
#1	.4395100	366.4715	9.021116	43.04875	.2603013	.0135568
#2	.4298822	364.6370	8.973130	42.76378	.2602642	.0134526
#3	.4233450	365.7322	8.988101	42.80668	.2626349	.0148472

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.584013	.1852818	1.513822	8.658205	F 15.92833	-.000566
Stddev	.404344	.0095468	.022821	.112261	.02568	.004655
%RSD	69.23548	5.152596	1.507537	1.296584	.1612272	821.9821
#1	-.652363	.1786870	1.487623	8.773658	15.90581	-.005013
#2	-.149850	.1809291	1.529376	8.651523	15.92290	-.000957
#3	-.949826	.1962292	1.524466	8.549435	15.95630	.004272

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-13 Acquired: 12/23/2024 20:13:28 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM25D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0074251	2.733947	3.840677	.1545902	.9021153	-.025591
Stddev	.0005710	.011168	.044617	.0014512	.0015233	.000656
%RSD	7.690347	.4084972	1.161692	.9387523	.1688561	2.561829
#1	.0070009	2.725257	3.891193	.1562659	.9012997	-.025756
#2	.0072000	2.730039	3.824179	.1537464	.9011736	-.024869
#3	.0080743	2.746543	3.806658	.1537582	.9038728	-.026149

Elem	Li6707
Units	ppm
Avg	.0939060
Stddev	.0010699
%RSD	1.139276
#1	.0944374
#2	.0926745
#3	.0946061

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2510.661	32794.34	2709.344	2146.462	1817.679
Stddev	7.202	169.69	27.610	5.022	5.167
%RSD	.2868503	.5174383	1.019059	.2339663	.2842432
#1	2513.168	32914.49	2680.921	2146.401	1819.159
#2	2516.274	32868.30	2736.061	2151.514	1821.944
#3	2502.541	32600.22	2711.051	2141.471	1811.934

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-12LX5 Acquired: 12/23/2024 20:17:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM25L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0496448	-.026337	.4511922	.0356067	.0195510	15.12315	.3512328
Stddev	.0043030	.003920	.0018985	.0021216	.0010790	.01418	.0001098
%RSD	8.667655	14.88411	.4207688	5.958302	5.518719	.0937778	.0312540
#1	.0534454	-.029564	.4515969	.0375156	.0189159	15.12412	.3512884
#2	.0449727	-.021974	.4491240	.0359819	.0207968	15.13683	.3513036
#3	.0505162	-.027472	.4528557	.0333226	.0189403	15.10851	.3511063

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027761	.0017951	61.88720	.0291479	.0476817	.1048205	89.74267
Stddev	.0001498	.0001740	.08026	.0007807	.0008792	.0064263	.09229
%RSD	5.394419	9.693509	.1296889	2.678586	1.843831	6.130734	.1028349
#1	.0029479	.0018588	61.85020	.0284263	.0484583	.1067122	89.84632
#2	.0026729	.0015983	61.83211	.0299767	.0467272	.0976608	89.66942
#3	.0027076	.0019284	61.97929	.0290409	.0478595	.1100886	89.71226

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.197447	10.55330	.0539108	.0024408	-1.91457	.0510399	.3756109
Stddev	.003332	.12561	.0004638	.0013105	.18149	.0107664	.0132496
%RSD	.1516502	1.190258	.8603315	53.68933	9.479387	21.09407	3.527481
#1	2.193689	10.50282	.0542176	.0036530	-2.11148	.0424822	.3663023
#2	2.200041	10.46079	.0533772	.0026192	-1.87823	.0631283	.3907801
#3	2.198612	10.69630	.0541376	.0010503	-1.75400	.0475091	.3697501

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.297155	3.321859	-.001877	.0029684	.5763271	1.101386	.0331605
Stddev	.205273	.008173	.002140	.0012441	.0055043	.008153	.0008714
%RSD	15.82485	.2460249	114.0640	41.90993	.9550582	.7402260	2.627666
#1	1.061561	3.325706	.000581	.0018463	.5824525	1.102659	.0322705
#2	1.392404	3.312473	-.002874	.0043062	.5717958	1.108828	.0331990
#3	1.437500	3.327398	-.003337	.0027528	.5747331	1.092672	.0340119

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-12LX5 Acquired: 12/23/2024 20:17:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM25L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2297916	-.007850	.0185809
Stddev	.0036755	.000176	.0029317
%RSD	1.599493	2.236031	15.77785
#1	.2332974	-.007915	.0196200
#2	.2259672	-.007651	.0208515
#3	.2301103	-.007984	.0152712

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2164.621	28203.38	2285.292	1856.793	1856.260
Stddev	2.380	51.52	11.124	10.402	6.113
%RSD	.1099578	.1826561	.4867718	.5602397	.3293061
#1	2163.294	28145.69	2277.712	1849.908	1850.972
#2	2167.369	28244.79	2280.101	1868.759	1862.953
#3	2163.200	28219.66	2298.063	1851.711	1854.854

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-14 Acquired: 12/23/2024 20:21:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM25S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3269615	-.057947	2.149611	.3158464	.2165847	64.81089
Stddev	.0023886	.004390	.002057	.0040958	.0021715	.15825
%RSD	.7305383	7.576643	.0956934	1.296768	1.002630	.2441776
#1	.3295797	-.053213	2.147504	.3148917	.2141599	64.88008
#2	.3249013	-.058744	2.151614	.3123122	.2172438	64.62983
#3	.3264034	-.061884	2.149714	.3203352	.2183503	64.92277

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.588662	.0885109	.1011164	251.8740	.4514550	1.064684
Stddev	.012097	.0008055	.0002114	.5956	.0022060	.003163
%RSD	.2636284	.9100541	.2090604	.2364770	.4886412	.2970876
#1	4.593383	.0893644	.1013470	252.4681	.4524966	1.063637
#2	4.574916	.0877641	.1009317	251.2769	.4529473	1.062178
#3	4.597686	.0884040	.1010706	251.8770	.4489210	1.068238

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8077551	364.0907	9.695644	42.63968	1.188220	.0711366
Stddev	.0012791	1.2357	.039981	.19106	.001009	.0009699
%RSD	.1583547	.3393946	.4123574	.4480866	.0849156	1.363415
#1	.8070940	364.7537	9.716193	42.67816	1.187860	.0703181
#2	.8092295	362.6650	9.649568	42.43231	1.187441	.0708839
#3	.8069418	364.8535	9.721172	42.80858	1.189360	.0722079

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.469368	.9888225	2.223937	8.654754	F 15.73303	.0025582
Stddev	.446713	.0131410	.007478	.209334	.04450	.0025584
%RSD	95.17348	1.328956	.3362669	2.418719	.2828686	100.0080
#1	-.506355	1.002896	2.228284	8.893338	15.73662	-.000126
#2	-.005310	.976873	2.228225	8.501860	15.68683	.002832
#3	-.896437	.986698	2.215302	8.569065	15.77562	.004969

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-14 Acquired: 12/23/2024 20:21:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM25S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0086761	2.718448	3.969410	.1516837	.8972862	-.029356
Stddev	.0001229	.004985	.043991	.0014065	.0049292	.001456
%RSD	1.416165	.1833903	1.108248	.9272880	.5493488	4.958584
#1	.0088094	2.715070	4.017035	.1522625	.9029691	-.029258
#2	.0085675	2.716099	3.930298	.1500800	.8941699	-.027952
#3	.0086514	2.724174	3.960895	.1527084	.8947196	-.030858

Elem	Li6707
Units	ppm
Avg	.0915415
Stddev	.0019358
%RSD	2.114667
#1	.0907912
#2	.0937401
#3	.0900931

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2517.800	32732.71	2721.678	2151.076	1831.035
Stddev	4.233	95.38	23.898	7.680	1.898
%RSD	.1681280	.2914014	.8780495	.3570366	.1036562
#1	2516.485	32665.93	2695.209	2149.463	1830.826
#2	2522.535	32690.25	2741.668	2144.331	1833.029
#3	2514.381	32841.95	2728.159	2159.435	1829.250

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCV025 Acquired: 12/23/2024 20:28:46 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV025 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.159780	4.910362	25.02693	5.045739	5.022901	408.9924	10.33560
Stddev	.006851	.038895	.21554	.036827	.041304	.5135	.01496
%RSD	.1327839	.7920980	.8612131	.7298545	.8223172	.1255641	.1447449
#1	5.167584	4.880242	24.91082	5.027707	4.999603	408.4201	10.34026
#2	5.154751	4.896572	24.89434	5.021403	4.998510	409.1439	10.31886
#3	5.157006	4.954274	25.27563	5.088106	5.070591	409.4131	10.34768

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5070947	2.511321	415.8605	15.65008	2.520521	15.39919	420.0130
Stddev	.0018793	.020183	1.2943	.03685	.017490	.05002	.7516
%RSD	.3705958	.8036916	.3112284	.2354588	.6938881	.3248275	.1789490
#1	.5073233	2.500588	414.8023	15.64952	2.510491	15.35041	419.8605
#2	.5088492	2.498771	415.4757	15.68721	2.510356	15.39678	419.3494
#3	.5051116	2.534603	417.3036	15.61352	2.540716	15.45037	420.8292

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.37363	414.1956	2.536188	1.332903	409.7135	2.586720	15.73834
Stddev	.02595	.5349	.017556	.002072	.1348	.014676	.12865
%RSD	.1688052	.1291460	.6922389	.1554420	.0329078	.5673455	.8174142
#1	15.34418	414.0206	2.527619	1.330825	409.7236	2.571536	15.59311
#2	15.38356	413.7700	2.524561	1.334969	409.8430	2.600828	15.78394
#3	15.39315	414.7961	2.556383	1.332916	409.5739	2.587794	15.83798

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	153.4859	5.049762	4.884149	5.001478	5.039088	4.767681	5.071718
Stddev	.3297	.048227	.029373	.040881	.031216	.037282	.039475
%RSD	.2147975	.9550326	.6014006	.8173726	.6194728	.7819753	.7783456
#1	153.2418	5.027753	4.891187	4.981844	5.024343	4.775210	5.049826
#2	153.3549	5.016466	4.909363	4.974118	5.017977	4.800623	5.048040
#3	153.8609	5.105067	4.851896	5.048471	5.074945	4.727209	5.117289

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCV025 Acquired: 12/23/2024 20:28:46 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV025 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.097511	4.847694	5.198050
Stddev	.023556	.019809	.010306
%RSD	.4621034	.4086212	.1982600
#1	5.071032	4.827988	5.188019
#2	5.105365	4.847488	5.197522
#3	5.116137	4.867604	5.208610

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1777.644	24356.86	2123.607	1523.036	1557.102
Stddev	13.594	45.05	10.943	9.696	12.096
%RSD	.7647111	.1849723	.5153069	.6366335	.7768461
#1	1788.089	24407.45	2124.945	1531.189	1565.990
#2	1782.569	24321.07	2112.057	1512.314	1561.991
#3	1762.274	24342.07	2133.820	1525.604	1543.327

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCB025 Acquired: 12/23/2024 20:32:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB025 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0039497	-.003589	.0082335	.0047486	-.002280	.0330186	-.002340
Stddev	.0027806	.003269	.0027479	.0025285	.001004	.0165502	.001890
%RSD	70.39965	91.08840	33.37485	53.24735	44.02396	50.12398	80.77258
#1	.0065812	-.003853	.0085231	.0026821	-.002281	.0172784	-.002474
#2	.0010408	-.000196	.0108251	.0039956	-.001276	.0502746	-.000387
#3	.0042272	-.006718	.0053522	.0075681	-.003284	.0315029	-.004160

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000094	.0000936	.0302547	.0009346	-.000186	-.001487	.0670910
Stddev	.000098	.0000827	.0230463	.0005485	.000271	.004799	.0257161
%RSD	103.8601	88.28202	76.17425	58.68507	145.5486	322.6731	38.33013
#1	-.000158	.0000572	.0421500	.0015250	-.000162	-.000739	.0391180
#2	.000018	.0000355	.0449227	.0008379	-.000469	-.006616	.0897058
#3	-.000143	.0001882	.0036913	.0004409	.000072	.002894	.0724492

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036694	.0821107	.0010255	-.000019	-1.96757	-.001392	.0039100
Stddev	.0008552	.0800158	.0005849	.001166	.48332	.010180	.0109061
%RSD	23.30597	97.44873	57.03128	6083.779	24.56407	731.1427	278.9282
#1	.0045716	.0920240	.0011259	-.000666	-1.42101	.010260	.0147754
#2	.0035661	-.002400	.0015537	.001327	-2.33855	-.005876	.0039911
#3	.0028706	.156708	.0003970	-.000719	-2.14316	-.008560	-.007036

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.669626	.0012740	.0122110	.0005538	-.001584	-.081457	.0003149
Stddev	.148945	.0012896	.0015007	.0006461	.002455	.000568	.0017873
%RSD	22.24304	101.2270	12.28982	116.6573	154.9553	.6974268	567.6218
#1	-.541627	.0012477	.0129863	.0010675	-.003998	-.082064	.0017216
#2	-.634142	-.000002	.0131656	-.000172	-.001665	-.081366	.0009192
#3	-.833108	.002577	.0104812	.000766	.000910	-.080939	-.001696

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCB025 Acquired: 12/23/2024 20:32:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB025 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0012721	.0001879	.0137859
Stddev	.0047590	.0002614	.0059651
%RSD	374.1044	139.1386	43.26938
#1	-.004174	.0004428	.0084456
#2	.004630	-.000080	.0126887
#3	.003361	.000200	.0202234

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2073.909	27014.97	2179.339	1778.862	1878.629
Stddev	5.920	123.70	28.636	3.987	3.458
%RSD	.2854391	.4579109	1.313975	.2241121	.1840700
#1	2074.517	26912.82	2164.663	1775.370	1879.054
#2	2067.708	26979.58	2161.017	1778.011	1874.979
#3	2079.501	27152.51	2212.338	1783.206	1881.855

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-15 Acquired: 12/23/2024 20:36:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM26 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2048883	-.062324	2.460097	.0997317	.0393547	71.30043
Stddev	.0032648	.005527	.006287	.0031965	.0007440	.12335
%RSD	1.593443	8.868113	.2555521	3.205069	1.890443	.1729984
#1	.2086081	-.062038	2.453031	.1006231	.0400422	71.43977
#2	.2024985	-.067988	2.462188	.0961841	.0385648	71.25635
#3	.2035583	-.056945	2.465072	.1023878	.0394570	71.20519

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.502669	.0079389	.0086873	72.00514	.1423512	.1220816
Stddev	.002811	.0001384	.0001071	.18038	.0004333	.0007760
%RSD	.1870657	1.743348	1.232344	.2505044	.3044239	.6356589
#1	1.505364	.0078295	.0086032	72.12587	.1427683	.1212215
#2	1.502887	.0078928	.0086509	72.09176	.1419033	.1227292
#3	1.499755	.0080945	.0088078	71.79780	.1423819	.1222941

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4926339	185.1098	10.02280	24.20713	.1733809	.0090855
Stddev	.0102359	.0164	.01166	.12265	.0001266	.0001703
%RSD	2.077797	.0088839	.1163021	.5066614	.0730492	1.874613
#1	.5041826	185.0949	10.03158	24.19713	.1733746	.0092673
#2	.4890380	185.1275	10.02724	24.33448	.1732575	.0090597
#3	.4846811	185.1071	10.00957	24.08980	.1735106	.0089296

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.760879	.1957813	1.462413	8.259980	F 13.43411	.0313554
Stddev	.363635	.0013509	.023882	.100543	.05579	.0022009
%RSD	47.79147	.6900131	1.633077	1.217225	.4152687	7.019307
#1	-.416164	.1947040	1.452268	8.374259	13.37197	.0288398
#2	-.725609	.1972969	1.489693	8.185121	13.45048	.0329262
#3	-1.14086	.1953429	1.445278	8.220559	13.47989	.0323002

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-15 Acquired: 12/23/2024 20:36:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM26 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092220	3.604262	4.231801	.1522254	.7330315	.0410236
Stddev	.0005982	.021434	.042487	.0027713	.0049882	.0007062
%RSD	6.486438	.5946765	1.003992	1.820547	.6804833	1.721456
#1	.0096393	3.579842	4.280846	.1494239	.7281528	.0409917
#2	.0085367	3.619957	4.208311	.1549655	.7381223	.0417452
#3	.0094899	3.612986	4.206245	.1522867	.7328194	.0403338

Elem	Li6707
Units	ppm
Avg	.1113775
Stddev	.0023341
%RSD	2.095661
#1	.1127593
#2	.1086826
#3	.1126906

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2648.554	34520.52	2809.192	2283.169	1859.976
Stddev	3.146	180.69	4.406	24.592	3.248
%RSD	.1187832	.5234182	.1568463	1.077120	.1746363
#1	2648.176	34729.01	2812.737	2311.396	1863.710
#2	2651.873	34423.03	2810.579	2266.369	1858.418
#3	2645.615	34409.52	2804.259	2271.743	1857.801

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-16 Acquired: 12/23/2024 20:40:19 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM27 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1864000	-.052392	1.039742	.0998620	.0392354	71.84897
Stddev	.0055181	.005266	.005734	.0023636	.0021053	.16133
%RSD	2.960334	10.05172	.5515215	2.366851	5.365804	.2245429
#1	.1924716	-.058333	1.043220	.1010564	.0413660	71.82073
#2	.1816908	-.048299	1.033123	.0971395	.0391839	71.70363
#3	.1850375	-.050543	1.042882	.1013899	.0371564	72.02256

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.347285	.0073658	.0080522	101.3551	.1168182	.1438141
Stddev	.003896	.0000930	.0000424	.1204	.0004247	.0014066
%RSD	.2891686	1.263288	.5266797	.1187930	.3635371	.9780582
#1	1.349914	.0074446	.0081010	101.2287	.1172450	.1434266
#2	1.342809	.0073897	.0080243	101.3681	.1168141	.1426419
#3	1.349132	.0072632	.0080313	101.4684	.1163956	.1453739

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3495492	192.5552	13.58552	24.85739	.1803699	.0079021
Stddev	.0018397	.6448	.03511	.15469	.0009563	.0007201
%RSD	.5263033	.3348395	.2584554	.6223062	.5302064	9.112809
#1	.3493848	192.8842	13.60129	24.94635	.1793753	.0071530
#2	.3514656	191.8124	13.54529	24.67877	.1812827	.0079639
#3	.3477973	192.9691	13.60999	24.94704	.1804516	.0085892

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.769520	.1819055	.9309358	5.986904	F 14.45043	.0156371
Stddev	.529741	.0062128	.0209728	.102458	.04217	.0034491
%RSD	68.84042	3.415424	2.252876	1.711362	.2918512	22.05706
#1	-1.35770	.1855225	.9108334	5.925109	14.42550	.0177586
#2	-.32996	.1854623	.9292917	5.930432	14.42668	.0116574
#3	-.62090	.1747316	.9526823	6.105172	14.49913	.0174954

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-16 Acquired: 12/23/2024 20:40:19 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM27 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0115131	2.705687	3.468590	.0888089	.5564339	.0092633
Stddev	.0002334	.015458	.010464	.0017124	.0022280	.0011951
%RSD	2.026990	.5713211	.3016823	1.928218	.4004036	12.90100
#1	.0112634	2.700896	3.480449	.0884469	.5552203	.0083300
#2	.0117256	2.693191	3.464665	.0906734	.5550763	.0106102
#3	.0115503	2.722973	3.460656	.0873064	.5590053	.0088497

Elem	Li6707
Units	ppm
Avg	.1013985
Stddev	.0046476
%RSD	4.583512
#1	.1050200
#2	.1030176
#3	.0961579

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2707.410	35308.43	2896.814	2338.215	1858.681
Stddev	9.062	139.85	6.817	13.825	7.303
%RSD	.3347060	.3960731	.2353403	.5912583	.3928968
#1	2705.229	35447.82	2893.019	2346.110	1859.920
#2	2717.363	35309.35	2892.737	2346.284	1865.284
#3	2699.638	35168.14	2904.684	2322.252	1850.837

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-17 Acquired: 12/23/2024 20:44:11 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM28 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1542921	-.058984	.5335587	.0962515	.0372682	65.25316	1.029088
Stddev	.0093834	.008827	.0021636	.0043768	.0023503	.36617	.006023
%RSD	6.081607	14.96488	.4054944	4.547261	6.306327	.5611545	.5852422
#1	.1486850	-.052745	.5314257	.0946418	.0382191	64.85635	1.022139
#2	.1490665	-.055123	.5357515	.0929074	.0389940	65.32514	1.032342
#3	.1651250	-.069083	.5334988	.1012052	.0345915	65.57800	1.032784

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0064110	.0067423	62.49883	.1037587	.1399069	.3056256	180.8123
Stddev	.0001142	.0000701	.17544	.0007375	.0008057	.0034462	.8521
%RSD	1.781856	1.039128	.2807033	.7107881	.5758786	1.127603	.4712857
#1	.0064943	.0066775	62.29719	.1043607	.1391450	.3028418	179.8937
#2	.0062807	.0067326	62.61651	.1039793	.1398255	.3094801	180.9662
#3	.0064579	.0068167	62.58278	.1029361	.1407502	.3045550	181.5770

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.66430	31.24566	.1964614	.0081997	-1.24779	.1581334	.7381201
Stddev	.10280	.22209	.0009407	.0006303	.16386	.0074455	.0199211
%RSD	.7010159	.7107859	.4788247	7.687312	13.13207	4.708371	2.698900
#1	14.54732	30.98967	.1964212	.0084535	-1.06397	.1631579	.7369278
#2	14.70537	31.38686	.1974216	.0074821	-1.37854	.1495795	.7586105
#3	14.74022	31.36046	.1955415	.0086637	-1.30086	.1616628	.7188218

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.948636	9.011160	.0195006	.0065641	1.473390	2.152415	.0363332
Stddev	.095430	.012424	.0019097	.0004670	.006360	.017554	.0011014
%RSD	1.373365	.1378763	9.792953	7.114500	.4316314	.8155342	3.031296
#1	6.891275	9.017656	.0198010	.0066205	1.469222	2.134008	.0365320
#2	6.895834	8.996834	.0212423	.0060715	1.470237	2.154269	.0351460
#3	7.058797	9.018989	.0174586	.0070004	1.480710	2.168968	.0373216

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-17 Acquired: 12/23/2024 20:44:11 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM28 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.5542776	-.041229	.0980232
Stddev	.0008108	.001115	.0020044
%RSD	.1462823	2.704992	2.044821
#1	.5549994	-.039942	.0996874
#2	.5544329	-.041888	.0985840
#3	.5534003	-.041858	.0957981

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2775.834	36118.67	2954.631	2379.928	1882.307
Stddev	9.069	72.34	27.429	5.392	5.829
%RSD	.3267263	.2002742	.9283296	.2265419	.3096619
#1	2768.170	36176.76	2978.927	2383.886	1876.303
#2	2785.847	36141.59	2960.081	2382.112	1887.943
#3	2773.486	36037.65	2924.887	2373.787	1882.675

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-18 Acquired: 12/23/2024 20:48:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM36 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1383129	-.036495	3.510645	.0663527	.0323310	52.03709
Stddev	.0045387	.005386	.010518	.0038942	.0029899	.19502
%RSD	3.281461	14.75817	.2995983	5.868968	9.247607	.3747743
#1	.1435199	-.040965	3.502630	.0619477	.0307239	51.92761
#2	.1362238	-.030515	3.506751	.0677728	.0357807	51.92140
#3	.1351949	-.038005	3.522555	.0693375	.0304885	52.26225

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.609350	.0058969	.0094204	224.0358	.1554634	.1174513
Stddev	.006142	.0000689	.0001268	.9082	.0004231	.0007517
%RSD	.3816195	1.168116	1.345802	.4053732	.2721593	.6400039
#1	1.608823	.0059160	.0093785	223.4352	.1553133	.1179323
#2	1.603488	.0059542	.0093199	223.5917	.1559411	.1178365
#3	1.615738	.0058204	.0095628	225.0806	.1551358	.1165851

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5172281	154.3739	11.12129	52.35611	.1724526	.0089972
Stddev	.0049101	.7588	.03785	.30415	.0008062	.0008617
%RSD	.9493189	.4915251	.3403263	.5809325	.4675056	9.577819
#1	.5137366	154.0853	11.09706	52.35044	.1719683	.0083288
#2	.5151051	153.8019	11.10189	52.05483	.1733833	.0086931
#3	.5228425	155.2347	11.16490	52.66306	.1720063	.0099698

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.25333	.1484270	4.174698	6.483472	F 14.51619	.0279352
Stddev	.15242	.0038304	.038714	.087841	.01087	.0025275
%RSD	12.16114	2.580668	.9273444	1.354848	.0749049	9.047875
#1	-1.20124	.1451781	4.195527	6.579312	14.51036	.0305714
#2	-1.13378	.1474522	4.198539	6.406792	14.50948	.0277019
#3	-1.42496	.1526506	4.130030	6.464314	14.52874	.0255325

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-18 Acquired: 12/23/2024 20:48:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM36 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0112500	3.706399	3.539988	.2562771	.7423775	.1984418
Stddev	.0004538	.007881	.015798	.0009348	.0021905	.0013371
%RSD	4.033779	.2126429	.4462788	.3647628	.2950636	.6738061
#1	.0117099	3.703093	3.544207	.2572613	.7398508	.1978598
#2	.0112375	3.700710	3.522509	.2554011	.7435418	.1999712
#3	.0108026	3.715395	3.553249	.2561690	.7437400	.1974943

Elem	Li6707
Units	ppm
Avg	.0697644
Stddev	.0024825
%RSD	3.558358
#1	.0707878
#2	.0669338
#3	.0715716

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2449.171	32003.52	2654.407	2101.054	1799.007
Stddev	3.579	99.86	2.381	8.612	2.740
%RSD	.1461244	.3120314	.0896954	.4099119	.1523188
#1	2445.205	31972.86	2651.673	2099.796	1795.910
#2	2450.145	31922.59	2656.018	2093.140	1801.117
#3	2452.161	32115.12	2655.531	2110.227	1799.995

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-19 Acquired: 12/23/2024 20:51:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM37 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0729141	-.029607	.3975476	.0580530	.0297061	58.98646	.7023043
Stddev	.0010626	.006880	.0021756	.0006587	.0022453	.29472	.0029055
%RSD	1.457284	23.23944	.5472556	1.134657	7.558411	.4996350	.4137121
#1	.0731999	-.023223	.3970841	.0587079	.0316631	58.66564	.6998783
#2	.0717378	-.036894	.3956411	.0580607	.0272549	59.04857	.7015104
#3	.0738045	-.028703	.3999176	.0573905	.0302003	59.24518	.7055242

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054433	.0043266	289.8036	.0910991	.1157392	.1999298	147.3483
Stddev	.0000920	.0001098	.9223	.0004997	.0002372	.0058638	.4876
%RSD	1.690127	2.538199	.3182558	.5485123	.2049720	2.932914	.3309043
#1	.0055272	.0043805	288.9581	.0912521	.1155384	.2041332	146.7860
#2	.0054578	.0042002	289.6655	.0905407	.1156783	.2024250	147.6041
#3	.0053449	.0043990	290.7872	.0915043	.1160010	.1932311	147.6548

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.855468	58.19552	.1671924	.0047929	-.915800	.1356714	.6141055
Stddev	.017550	.22424	.0003556	.0005616	.585289	.0030809	.0036463
%RSD	.1780695	.3853169	.2126807	11.71728	63.91008	2.270847	.5937628
#1	9.839876	57.97787	.1670401	.0050114	-.700544	.1391171	.6181419
#2	9.852056	58.18289	.1675987	.0041548	-.468621	.1331823	.6131246
#3	9.874474	58.42581	.1669383	.0052123	-1.57824	.1347147	.6110499

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.043586	8.721177	-.004476	.0069666	1.078071	3.153762	.0208404
Stddev	.211837	.009623	.002436	.0008987	.005204	.016148	.0019353
%RSD	6.960106	.1103395	54.41172	12.90003	.4827063	.5120320	9.286256
#1	2.903361	8.729188	-.002018	.0059302	1.082116	3.137836	.0228709
#2	3.287272	8.710503	-.006889	.0074384	1.079897	3.153327	.0190170
#3	2.940126	8.723839	-.004522	.0075310	1.072200	3.170123	.0206332

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5090-19 Acquired: 12/23/2024 20:51:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM37 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.5011712	.2072247	.0929600
Stddev	.0013497	.0013959	.0038742
%RSD	.2693046	.6736277	4.167587
#1	.4999256	.2056427	.0933738
#2	.5026051	.2082833	.0966107
#3	.5009828	.2077481	.0888956

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2436.084	31856.16	2630.135	2095.627	1814.032
Stddev	4.549	18.70	11.166	5.435	3.355
%RSD	.1867299	.0587147	.4245416	.2593635	.1849265
#1	2440.673	31853.10	2640.627	2090.035	1817.885
#2	2436.001	31839.17	2631.380	2095.956	1812.449
#3	2431.577	31876.20	2618.399	2100.891	1811.761

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: PB165739BL Acquired: 12/23/2024 20:55:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS739 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002557	-.001576	-.000326	.0045462	.0002331	.0431321	-.002698
Stddev	.003570	.001162	.000179	.0031391	.0017762	.0181948	.000694
%RSD	139.5998	73.69160	55.01721	69.04900	762.0680	42.18389	25.71647
#1	.000434	-.000919	-.000445	.0036638	-.001782	.0248211	-.002294
#2	-.001596	-.002917	-.000120	.0080321	.001570	.0612084	-.003499
#3	-.006510	-.000892	-.000413	.0019427	.000912	.0433669	-.002300

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000067	-.000194	.0800225	-.000857	-.000172	-.000401	.0350763
Stddev	.0000873	.000022	.0284752	.000361	.000305	.003101	.0029877
%RSD	1303.086	11.54769	35.58401	42.08867	176.9937	773.9451	8.517618
#1	-.000094	-.000180	.0867199	-.001273	-.000442	.002980	.0316286
#2	.000064	-.000182	.1045521	-.000626	-.000233	-.003112	.0369050
#3	.000049	-.000220	.0487956	-.000673	.000158	-.001069	.0366954

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050832	.0774863	.0008641	-.000885	-1.15865	-.001077	.0089670
Stddev	.0016408	.0204256	.0003850	.000324	.32254	.004003	.0037326
%RSD	32.27849	26.36025	44.54944	36.57353	27.83750	371.5988	41.62626
#1	.0069582	.0540113	.0011661	-.000720	-1.17374	-.005500	.0053086
#2	.0043809	.0872499	.0009955	-.001258	-1.47337	.002299	.0088227
#3	.0039104	.0911978	.0004306	-.000677	-.82883	-.000032	.0127697

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.851404	.0004055	-.007795	.0005029	.0008046	-.082424	-.001221
Stddev	.204673	.0020702	.001863	.0002623	.0031906	.000513	.000531
%RSD	24.03951	510.5792	23.90359	52.15456	396.5244	.6220689	43.49303
#1	-.661333	-.001826	-.005644	.0005931	.0044852	-.082255	-.001514
#2	-.824799	.002263	-.008843	.0007083	-.000896	-.083000	-.000608
#3	-1.06808	.000780	-.008899	.0002075	-.001175	-.082017	-.001542

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: PB165739BL Acquired: 12/23/2024 20:55:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS739 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0015622	.0001640	-.004457
Stddev	.0019018	.0000406	.002827
%RSD	121.7356	24.74752	63.43212
#1	.0035186	.0001559	-.007719
#2	.0014478	.0001281	-.002934
#3	-.000280	.0002080	-.002718

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2047.438	26791.74	2160.473	1766.198	1859.699
Stddev	4.517	176.81	23.145	11.685	6.444
%RSD	.2206272	.6599520	1.071295	.6615773	.3465063
#1	2042.323	26640.41	2182.520	1765.023	1852.370
#2	2050.882	26748.71	2162.533	1755.145	1864.475
#3	2049.109	26986.10	2136.367	1778.426	1862.253

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: PB165739BS Acquired: 12/23/2024 20:59:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS739 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0202038	.0489614	.0200847	.0627576	.1013653	.4375325
Stddev	.0027686	.0013957	.0012913	.0007325	.0038790	.0244860
%RSD	13.70339	2.850643	6.429500	1.167196	3.826798	5.596393
#1	.0232053	.0474323	.0187446	.0634945	.0973825	.4578466
#2	.0196564	.0492849	.0201883	.0627488	.1051315	.4444069
#3	.0177499	.0501669	.0213211	.0620296	.1015817	.4103440

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3919492	.0101304	.0094376	9.700581	.0200846	.0972922
Stddev	.0021746	.0000523	.0000510	.042828	.0004092	.0007043
%RSD	.5548221	.5160524	.5405929	.4415035	2.037211	.7238787
#1	.3917513	.0100731	.0093796	9.690431	.0205567	.0965709
#2	.3898803	.0101427	.0094576	9.663739	.0198336	.0979781
#3	.3942160	.0101755	.0094755	9.747572	.0198634	.0973277

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0527144	.2413658	.0326147	10.23012	.0770102	.0184562
Stddev	.0046978	.0107010	.0020844	.06022	.0004547	.0007953
%RSD	8.911760	4.433505	6.391036	.5886972	.5904220	4.309331
#1	.0528505	.2465009	.0350216	10.17063	.0768070	.0178207
#2	.0479500	.2485315	.0314046	10.22869	.0766925	.0181999
#3	.0573426	.2290652	.0314180	10.29106	.0775311	.0193481

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.405712	.1049919	.1158227	8.595147	.0158491	F -.005050
Stddev	.573794	.0067591	.0090858	.098273	.0007885	.001359
%RSD	6.826235	6.437684	7.844597	1.143356	4.974932	26.90909
#1	7.751355	.1124104	.1053325	8.686929	.0164710	-.003486
#2	8.822904	.1033827	.1209285	8.607044	.0149623	-.005945
#3	8.642876	.0991827	.1212070	8.491466	.0161140	-.005720

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: PB165739BS Acquired: 12/23/2024 20:59:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS739 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0194637	.1732839	F .3764080	.0136311	.1949572	.1970129
Stddev	.0005677	.0009685	.0025846	.0012631	.0055027	.0005125
%RSD	2.916519	.5588791	.6866594	9.266231	2.822509	.2601570
#1	.0189644	.1722606	.3792670	.0124051	.1886159	.1966570
#2	.0200811	.1734050	.3742369	.0135598	.1984756	.1967813
#3	.0193457	.1741861	.3757201	.0149283	.1977800	.1976004

Elem	Li6707
Units	ppm
Avg	.0327911
Stddev	.0021184
%RSD	6.460259
#1	.0309201
#2	.0350912
#3	.0323621

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2074.175	27140.10	2177.389	1788.697	1880.480
Stddev	7.592	129.70	8.789	11.939	6.976
%RSD	.3660263	.4779012	.4036585	.6674476	.3709550
#1	2082.314	27059.47	2169.244	1776.777	1887.644
#2	2072.925	27071.11	2176.217	1788.660	1880.086
#3	2067.285	27289.71	2186.705	1800.654	1873.709

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-01 Acquired: 12/23/2024 21:03:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL28 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1121510	-.017407	1.312513	.0456874	.0288221	53.37227	.9297932
Stddev	.0041399	.001514	.004858	.0026528	.0022715	.03758	.0021423
%RSD	3.691327	8.698364	.3701665	5.806340	7.881105	.0704202	.2304023
#1	.1162170	-.018481	1.306969	.0486706	.0299165	53.41015	.9286359
#2	.1122950	-.015675	1.314540	.0435936	.0303392	53.33498	.9322652
#3	.1079411	-.018064	1.316030	.0447979	.0262106	53.37168	.9284784

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059704	.0084235	607.4345	.1555312	.1084146	.2817473	135.0243
Stddev	.0001523	.0001667	.8437	.0004665	.0012217	.0036463	.0715
%RSD	2.551222	1.978406	.1388968	.2999426	1.126847	1.294164	.0529175
#1	.0057945	.0086144	607.6569	.1550369	.1092428	.2784420	135.0863
#2	.0060564	.0083068	606.5019	.1559637	.1089894	.2811414	134.9461
#3	.0060602	.0083493	608.1448	.1555930	.1070116	.2856586	135.0406

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.321260	342.2526	.2230381	.0057196	-1.43660	.1798836	1.313536
Stddev	.008399	.0858	.0006885	.0007940	.45049	.0044728	.010080
%RSD	.1009367	.0250724	.3086882	13.88132	31.35813	2.486484	.7674301
#1	8.330949	342.2695	.2229270	.0048347	-1.14081	.1820770	1.311436
#2	8.316788	342.3287	.2224120	.0063697	-1.21392	.1828363	1.324501
#3	8.316044	342.1596	.2237755	.0059544	-1.95506	.1747375	1.304671

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.288241	8.941011	.0446239	.0099665	8.556889	8.137782	.1054191
Stddev	.072887	.033885	.0017042	.0004711	.041778	.048350	.0020497
%RSD	.8794048	.3789791	3.818981	4.727368	.4882382	.5941386	1.944363
#1	8.279224	8.903032	.0427355	.0094524	8.512510	8.173597	.1030540
#2	8.365217	8.951853	.0460474	.0100695	8.562701	8.082784	.1066789
#3	8.220281	8.968148	.0450887	.0103776	8.595457	8.156963	.1065245

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-01 Acquired: 12/23/2024 21:03:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL28 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7481940	.1851970	.0677657
Stddev	.0049446	.0015943	.0012876
%RSD	.6608707	.8608760	1.900100
#1	.7533738	.1857174	.0668950
#2	.7435242	.1834075	.0671574
#3	.7476839	.1864661	.0692448

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2246.133	29509.15	2497.060	1918.351	1630.477
Stddev	8.402	111.73	4.982	7.277	6.563
%RSD	.3740507	.3786166	.1995086	.3793564	.4024918
#1	2243.512	29525.97	2491.524	1919.226	1633.483
#2	2239.354	29389.97	2501.183	1910.675	1622.950
#3	2255.533	29611.52	2498.473	1925.151	1634.998

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-02 Acquired: 12/23/2024 21:07:40 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL29 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1602228	-.054730	3.034135	.0835079	.0310522	61.06972	1.015049
Stddev	.0037686	.001492	.005443	.0029393	.0019845	.20020	.001228
%RSD	2.352119	2.726406	.1794039	3.519800	6.390818	.3278268	.1209667
#1	.1579834	-.054254	3.035807	.0802307	.0329479	60.85209	1.014737
#2	.1645738	-.053533	3.028052	.0859112	.0289895	61.11100	1.014007
#3	.1581112	-.056402	3.038546	.0843818	.0312193	61.24607	1.016403

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0071399	.0093062	89.82771	.1919393	.1056366	.3764708	167.3416
Stddev	.0000972	.0000940	.13526	.0011359	.0005724	.0037910	.3359
%RSD	1.361112	1.009986	.1505798	.5918223	.5418078	1.006988	.2007147
#1	.0070346	.0092203	89.79557	.1932320	.1062695	.3806945	166.9762
#2	.0072261	.0092917	89.71142	.1914853	.1054850	.3753546	167.4117
#3	.0071589	.0094066	89.97615	.1911004	.1051553	.3733631	167.6369

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.442184	41.77128	.2680833	.0069752	-.892746	.1814100	1.281259
Stddev	.006466	.20120	.0010423	.0009857	.071545	.0065302	.026495
%RSD	.0765958	.4816649	.3888054	14.13168	8.013995	3.599717	2.067892
#1	8.437522	41.58824	.2678936	.0059549	-.969426	.1879870	1.250971
#2	8.449567	41.98671	.2671489	.0070484	-.827784	.1813153	1.300140
#3	8.439465	41.73890	.2692075	.0079223	-.881026	.1749276	1.292665

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.180606	7.441182	.0129602	.0116168	3.980122	6.697753	1.430090
Stddev	.101123	.023411	.0016217	.0002809	.003335	.048878	.005269
%RSD	1.951961	.3146120	12.51302	2.417746	.0837820	.7297612	.3684118
#1	5.063840	7.449977	.0114301	.0116364	3.976293	6.734411	1.428227
#2	5.238554	7.414648	.0146601	.0118874	3.982390	6.642260	1.426005
#3	5.239424	7.458922	.0127904	.0113267	3.981682	6.716589	1.436036

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-02 Acquired: 12/23/2024 21:07:40 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL29 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8347755	.0095017	.0691765
Stddev	.0033621	.0002580	.0027566
%RSD	.4027566	2.715626	3.984920
#1	.8386571	.0097437	.0660414
#2	.8328940	.0095311	.0712210
#3	.8327754	.0092302	.0702670

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2463.670	31892.93	2621.519	2114.313	1860.274
Stddev	.265	171.98	8.209	10.261	2.991
%RSD	.0107525	.5392336	.3131311	.4853229	.1607996
#1	2463.365	31993.99	2612.042	2122.268	1858.578
#2	2463.844	31694.36	2626.069	2102.731	1863.728
#3	2463.800	31990.45	2626.444	2117.941	1858.517

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-03 Acquired: 12/23/2024 21:11:29 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL30 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1915747	-.074685	1.800088	.1131706	.0454091	74.46856	1.334585
Stddev	.0037633	.002480	.000551	.0024157	.0022868	.27932	.006481
%RSD	1.964404	3.320699	.0306067	2.134581	5.036072	.3750868	.4856161
#1	.1956454	-.073991	1.800723	.1110006	.0457760	74.17986	1.327717
#2	.1882224	-.077439	1.799805	.1157735	.0474903	74.48839	1.335442
#3	.1908562	-.072627	1.799736	.1127378	.0429610	74.73745	1.340594

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0086210	.0091922	63.32443	.1736292	.1255534	.4188760	203.5485
Stddev	.0001250	.0001186	.18884	.0008863	.0010192	.0030306	.9051
%RSD	1.449492	1.290271	.2982050	.5104624	.8117601	.7235115	.4446408
#1	.0084782	.0093239	63.10728	.1735703	.1253351	.4153872	202.6415
#2	.0087105	.0091588	63.41581	.1727738	.1246611	.4203838	203.5526
#3	.0086743	.0090939	63.45019	.1745435	.1266641	.4208569	204.4516

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.67707	35.48434	.2455027	.0084783	-.167968	.2152520	1.203603
Stddev	.05039	.27910	.0009086	.0005613	.261680	.0068594	.017734
%RSD	.4315477	.7865441	.3701089	6.620970	155.7917	3.186661	1.473414
#1	11.63217	35.16793	.2454662	.0082165	.082407	.2228176	1.205135
#2	11.66746	35.69555	.2446129	.0080957	-.439650	.2134993	1.220521
#3	11.73157	35.58954	.2464290	.0091227	-.146661	.2094390	1.185152

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.907094	6.923474	.0056816	.0116279	3.540623	8.730694	.1860367
Stddev	.053750	.016930	.0016931	.0000380	.009813	.071010	.0029888
%RSD	1.095350	.2445322	29.80005	.3267280	.2771661	.8133406	1.606546
#1	4.868638	6.914065	.0038073	.0116712	3.538070	8.745894	.1836848
#2	4.968511	6.913337	.0071002	.0116003	3.532337	8.653315	.1850253
#3	4.884132	6.943018	.0061372	.0116120	3.551460	8.792874	.1893999

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-03 Acquired: 12/23/2024 21:11:29 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL30 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8444768	-.025408	.0894105
Stddev	.0060723	.000567	.0007452
%RSD	.7190572	2.231826	.8334845
#1	.8394774	-.024915	.0891621
#2	.8427189	-.025280	.0888211
#3	.8512340	-.026028	.0902481

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2529.571	32897.54	2682.002	2180.208	1848.023
Stddev	2.246	94.91	6.361	11.119	1.254
%RSD	.0888073	.2885071	.2371644	.5100151	.0678777
#1	2531.865	32893.64	2677.932	2173.345	1848.813
#2	2529.473	32804.65	2689.332	2174.243	1846.576
#3	2527.375	32994.35	2678.742	2193.037	1848.679

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-04 Acquired: 12/23/2024 21:15:19 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL31 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1565397	-.066578	1.172172	.1009085	.0372307	68.90610	1.006068
Stddev	.0029920	.003301	.003644	.0015616	.0007090	.16577	.002056
%RSD	1.911326	4.958488	.3108533	1.547526	1.904376	.2405789	.2043979
#1	.1597250	-.069191	1.171692	.0992308	.0372461	68.71830	1.003799
#2	.1561057	-.067675	1.168792	.1023196	.0379319	68.96793	1.006596
#3	.1537884	-.062867	1.176032	.1011752	.0365141	69.03208	1.007809

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0071456	.0066676	48.03287	.1151653	.1203089	.3504844	183.2546
Stddev	.0001872	.0000435	.17647	.0011453	.0003864	.0035122	.4524
%RSD	2.619537	.6522755	.3673949	.9944663	.3211962	1.002087	.2468772
#1	.0069589	.0066632	47.84212	.1156080	.1199927	.3469278	182.7833
#2	.0071447	.0066265	48.06618	.1160231	.1201944	.3539504	183.6855
#3	.0073333	.0067131	48.19031	.1138647	.1207397	.3505751	183.2949

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.57611	24.43095	.1474166	.0079675	-.776308	.1784868	.6667696
Stddev	.04019	.14412	.0003939	.0002365	.835633	.0061599	.0122382
%RSD	.3196073	.5899200	.2671833	2.968410	107.6419	3.451205	1.835449
#1	12.53876	24.26925	.1473726	.0080198	-1.71457	.1803995	.6779179
#2	12.61865	24.54587	.1470465	.0077093	-.11216	.1715974	.6687161
#3	12.57093	24.47773	.1478306	.0081736	-.50219	.1834635	.6536748

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.122048	5.901242	.0038259	.0102550	2.477313	8.573184	.6203000
Stddev	.162019	.008143	.0014623	.0005718	.004765	.038193	.0030542
%RSD	3.930542	.1379876	38.22017	5.575637	.1923532	.4454885	.4923717
#1	4.113511	5.893231	.0055049	.0107414	2.482814	8.542007	.6237794
#2	4.288167	5.900985	.0028321	.0103985	2.474664	8.615785	.6180622
#3	3.964467	5.909511	.0031405	.0096252	2.474461	8.561760	.6190583

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-04 Acquired: 12/23/2024 21:15:19 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL31 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7022606	-.040887	.0629789
Stddev	.0027439	.000310	.0029146
%RSD	.3907175	.7581752	4.627825
#1	.6996195	-.040951	.0650186
#2	.7050968	-.041160	.0596408
#3	.7020655	-.040550	.0642774

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2591.421	33571.39	2745.206	2221.348	1875.683
Stddev	5.479	60.83	7.412	2.961	4.379
%RSD	.2114269	.1811985	.2700057	.1332968	.2334444
#1	2588.024	33542.66	2750.477	2218.637	1872.399
#2	2597.742	33530.25	2736.731	2220.901	1880.654
#3	2588.497	33641.27	2748.410	2224.508	1873.996

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-05 Acquired: 12/23/2024 21:19:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL32 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1945960	-.078685	.3932220	.1276665	.0437769	83.00866	1.057895
Stddev	.0091971	.000142	.0019520	.0042165	.0017846	.13424	.003418
%RSD	4.726244	.1798594	.4964189	3.302756	4.076490	.1617125	.3230876
#1	.2051986	-.078609	.3954690	.1321823	.0444723	83.12943	1.060853
#2	.1898191	-.078849	.3922531	.1238323	.0417493	82.86413	1.054154
#3	.1887703	-.078599	.3919440	.1269850	.0451091	83.03241	1.058679

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0086988	.0085728	31.44098	.1039930	.1488893	.2268362	220.2076
Stddev	.0000607	.0001295	.07924	.0009370	.0004339	.0042978	.5133
%RSD	.6978970	1.510198	.2520138	.9010382	.2914350	1.894661	.2330907
#1	.0087659	.0084364	31.53229	.1044899	.1493551	.2241723	220.5358
#2	.0086477	.0085881	31.40038	.1045770	.1488163	.2317943	219.6161
#3	.0086827	.0086939	31.39027	.1029122	.1484965	.2245421	220.4710

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.03608	22.13110	.1621867	.0074528	-.406297	.1964153	.4591094
Stddev	.06233	.14512	.0007335	.0003548	.664154	.0042566	.0058083
%RSD	.3887124	.6557439	.4522732	4.760159	163.4651	2.167162	1.265128
#1	16.08525	22.25791	.1626953	.0078531	.188724	.1934500	.4653849
#2	15.96597	21.97283	.1613459	.0071773	-.284805	.1945032	.4580212
#3	16.05701	22.16255	.1625190	.0073280	-1.12281	.2012926	.4539222

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.071415	3.430519	-.015703	.0055711	1.308968	9.084405	.0380408
Stddev	.128573	.008901	.004339	.0004039	.007430	.006937	.0005206
%RSD	4.186129	.2594777	27.63173	7.250766	.5675844	.0763664	1.368639
#1	3.161390	3.428022	-.013841	.0051067	1.305665	9.076696	.0382267
#2	2.924156	3.423133	-.020663	.0057659	1.303761	9.086375	.0384429
#3	3.128700	3.440403	-.012606	.0058408	1.317476	9.090145	.0374527

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-05 Acquired: 12/23/2024 21:19:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL32 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.5694865	-.124431	.0750321
Stddev	.0019961	.000844	.0022699
%RSD	.3505088	.6786939	3.025268
#1	.5675413	-.124497	.0776528
#2	.5715299	-.123555	.0736867
#3	.5693885	-.125240	.0737567

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2972.628	38676.26	3142.903	2544.281	1854.162
Stddev	10.946	212.01	18.518	6.283	7.662
%RSD	.3682194	.5481664	.5892134	.2469466	.4132534
#1	2982.770	38493.71	3122.760	2537.251	1860.994
#2	2974.090	38908.80	3159.189	2549.348	1855.616
#3	2961.025	38626.27	3146.760	2546.244	1845.877

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-06 Acquired: 12/23/2024 21:23:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL33 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1647216	-.062564	.2953788	.1056985	.0396418	74.16846	1.057871
Stddev	.0023281	.001282	.0024249	.0024315	.0003673	.16003	.002505
%RSD	1.413373	2.048725	.8209639	2.300439	.9264303	.2157660	.2367555
#1	.1633114	-.062916	.2936603	.1077083	.0400592	73.98407	1.054994
#2	.1634446	-.063633	.2943234	.1029957	.0393682	74.25021	1.059559
#3	.1674088	-.061143	.2981526	.1063916	.0394980	74.27111	1.059062

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0073844	.0067123	55.14569	.0990820	.1317982	.2146381	196.6848
Stddev	.0001337	.0001988	.19022	.0004607	.0002843	.0047122	.4198
%RSD	1.810430	2.962155	.3449471	.4649890	.2156835	2.195431	.2134167
#1	.0072308	.0066981	54.97577	.0986360	.1321166	.2100564	196.2078
#2	.0074745	.0069179	55.35119	.0995562	.1315698	.2143871	196.9980
#3	.0074479	.0065210	55.11012	.0990538	.1317083	.2194708	196.8485

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.34130	22.82321	.1581516	.0068870	-.434400	.1730539	.4155264
Stddev	.02153	.07327	.0001358	.0005613	.010338	.0057552	.0083808
%RSD	.1317255	.3210410	.0858534	8.150092	2.379946	3.325667	2.016909
#1	16.32166	22.89346	.1580279	.0062762	-.428608	.1694721	.4095842
#2	16.33792	22.74725	.1581301	.0073800	-.428255	.1699972	.4251123
#3	16.36431	22.82892	.1582969	.0070049	-.446336	.1796926	.4118828

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.103287	4.462255	-.004748	.0052136	1.151794	8.008872	.0314606
Stddev	.068725	.007998	.001716	.0002658	.003854	.010712	.0023699
%RSD	2.214598	.1792475	36.14527	5.098336	.3345649	.1337486	7.532905
#1	3.024527	4.453875	-.004558	.0054541	1.147451	8.000126	.0287462
#2	3.151085	4.463083	-.006552	.0049283	1.153128	8.005670	.0325169
#3	3.134248	4.469807	-.003135	.0052585	1.154804	8.020819	.0331186

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-06 Acquired: 12/23/2024 21:23:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL33 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.5698017	-.092766	.1063207
Stddev	.0042229	.000252	.0025243
%RSD	.7411154	.2717436	2.374226
#1	.5698070	-.092875	.1050448
#2	.5655762	-.092478	.1046891
#3	.5740220	-.092946	.1092283

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2981.343	38794.34	3167.111	2560.460	1883.612
Stddev	8.456	180.67	13.784	22.219	5.904
%RSD	.2836148	.4657046	.4352326	.8677721	.3134667
#1	2987.908	38585.72	3151.744	2536.304	1890.389
#2	2971.802	38898.53	3178.387	2565.050	1879.572
#3	2984.320	38898.77	3171.200	2580.025	1880.877

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-07 Acquired: 12/23/2024 21:26:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL34 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0513041	-.008376	.1704528	.0280409	.0235388	42.93649	.4668431
Stddev	.0078972	.004571	.0014969	.0035319	.0020273	.30592	.0028456
%RSD	15.39301	54.57045	.8781952	12.59537	8.612384	.7124833	.6095393
#1	.0584633	-.010922	.1697657	.0320110	.0211980	42.95569	.4652768
#2	.0428331	-.011107	.1694229	.0268638	.0246974	43.23236	.4701278
#3	.0526160	-.003099	.1721699	.0252479	.0247211	42.62143	.4651248

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0041668	.0031811	586.2557	.0702171	.1017701	.1799890	115.9337
Stddev	.0002142	.0001372	4.6156	.0003216	.0003891	.0046294	1.2353
%RSD	5.139512	4.311601	.7873082	.4580336	.3823321	2.572063	1.065507
#1	.0043473	.0032631	584.8617	.0705110	.1021059	.1853074	115.6759
#2	.0042229	.0030228	591.4076	.0702668	.1013437	.1777960	117.2776
#3	.0039302	.0032575	582.4976	.0698736	.1018607	.1768635	114.8477

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.039618	91.15473	.1138209	.0041635	-1.58828	.1038772	.3816393
Stddev	.059584	.83678	.0007259	.0008199	.82977	.0053617	.0072206
%RSD	.6591401	.9179772	.6377935	19.69195	52.24296	5.161579	1.891992
#1	9.026114	90.77780	.1135707	.0049318	-1.37508	.1081048	.3735793
#2	9.104795	92.11368	.1132531	.0042585	-2.50384	.1056804	.3838213
#3	8.987946	90.57271	.1146389	.0033003	-.88592	.0978463	.3875171

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.682888	4.901178	.0179889	.0025652	1.216291	6.328568	.0323111
Stddev	.117868	.013996	.0006524	.0006026	.007189	.065812	.0016355
%RSD	3.200410	.2855732	3.626641	23.49107	.5911004	1.039921	5.061623
#1	3.571163	4.908710	.0185053	.0032607	1.224213	6.350923	.0341845
#2	3.806062	4.885029	.0172557	.0022005	1.210182	6.380290	.0311680
#3	3.671438	4.909797	.0182056	.0022343	1.214478	6.254490	.0315809

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-07 Acquired: 12/23/2024 21:26:51 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL34 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4895648	.3225267	.0732535
Stddev	.0049725	.0027525	.0009666
%RSD	1.015695	.8534239	1.319539
#1	.4943296	.3225448	.0723710
#2	.4899569	.3252700	.0731030
#3	.4844078	.3197651	.0742866

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2393.517	31189.23	2611.935	2042.626	1709.547
Stddev	2.539	65.67	25.524	10.290	2.985
%RSD	.1060945	.2105609	.9772131	.5037618	.1746359
#1	2394.707	31263.02	2604.686	2052.540	1710.480
#2	2395.242	31167.51	2590.820	2043.340	1711.956
#3	2390.601	31137.18	2640.300	2031.997	1706.207

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-08 Acquired: 12/23/2024 21:30:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL34D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0567285	-.011365	.1687958	.0351363	.0188258	42.70046	.4650919
Stddev	.0044916	.000642	.0038198	.0037047	.0008916	.08128	.0025624
%RSD	7.917777	5.646796	2.262992	10.54379	4.735887	.1903395	.5509480
#1	.0582427	-.011847	.1684148	.0394134	.0190917	42.69739	.4642347
#2	.0516755	-.010637	.1651807	.0330672	.0195541	42.78323	.4679730
#3	.0602674	-.011611	.1727918	.0329284	.0178315	42.62077	.4630679

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040927	.0031303	582.0228	.0701014	.1007043	.1762956	115.6978
Stddev	.0000703	.0000640	.6934	.0006576	.0008451	.0014303	.2866
%RSD	1.718497	2.045192	.1191367	.9379926	.8391576	.8113196	.2476736
#1	.0040201	.0032020	582.6019	.0696012	.1016799	.1747111	116.0115
#2	.0041605	.0031101	582.2121	.0708462	.1002309	.1766842	115.4498
#3	.0040975	.0030789	581.2544	.0698569	.1002020	.1774915	115.6321

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.002221	91.12488	.1122986	.0027111	-1.15862	.0993506	.3686747
Stddev	.005568	.21109	.0005734	.0009069	.28619	.0064755	.0151528
%RSD	.0618494	.2316450	.5106122	33.45183	24.70079	6.517796	4.110076
#1	8.996163	90.97726	.1129458	.0017558	-.86913	.1038707	.3558501
#2	9.007115	91.36666	.1118540	.0028170	-1.16536	.0919322	.3647790
#3	9.003383	91.03071	.1120961	.0035603	-1.44139	.1022487	.3853951

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.591741	4.862740	.0178060	.0034157	1.206044	6.288194	.0293829
Stddev	.086170	.014561	.0018239	.0006329	.007083	.056000	.0007239
%RSD	2.399125	.2994464	10.24303	18.52770	.5873130	.8905572	2.463718
#1	3.511459	4.857132	.0199095	.0027869	1.205132	6.351798	.0287151
#2	3.580976	4.851817	.0168420	.0040526	1.199460	6.266489	.0301522
#3	3.682788	4.879272	.0166663	.0034076	1.213539	6.246295	.0292814

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-08 Acquired: 12/23/2024 21:30:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL34D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4838817	.3177825	.0686361
Stddev	.0022327	.0015262	.0013453
%RSD	.4614252	.4802639	1.960017
#1	.4863832	.3191990	.0672078
#2	.4820905	.3161662	.0688213
#3	.4831715	.3179822	.0698791

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2397.579	31288.60	2615.402	2052.367	1714.372
Stddev	2.956	69.83	19.452	3.333	5.221
%RSD	.1232789	.2231707	.7437444	.1624196	.3045720
#1	2398.907	31321.40	2593.280	2052.423	1715.484
#2	2399.638	31336.00	2629.832	2049.005	1718.948
#3	2394.193	31208.42	2623.093	2055.671	1708.684

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-07LX5 Acquired: 12/23/2024 21:34:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL34L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054347	.0110535	.0424366	-.011443	.0073431	10.04971	.1070331
Stddev	.0018193	.0050110	.0016144	.002214	.0017362	.04263	.0018896
%RSD	33.47649	45.33399	3.804272	19.35186	23.64392	.4242258	1.765469
#1	.0038785	.0114986	.0418650	-.010751	.0090454	10.03954	.1056092
#2	.0074350	.0158270	.0411857	-.009657	.0055749	10.01308	.1091769
#3	.0049905	.0058347	.0442590	-.013921	.0074090	10.09651	.1063134

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010173	.0004600	137.0341	.0163019	.0416115	.0434020	27.60142
Stddev	.0000843	.0000833	.5129	.0004371	.0004227	.0036767	.09934
%RSD	8.282659	18.10659	.3742956	2.681483	1.015894	8.471303	.3599054
#1	.0010185	.0005172	136.5123	.0168062	.0416632	.0465174	27.48704
#2	.0011009	.0003645	137.0524	.0160310	.0411653	.0393465	27.66611
#3	.0009324	.0004984	137.5377	.0160685	.0420060	.0443421	27.65110

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.159385	21.79711	.0213235	.0014059	-1.45180	.0229312	.0934111
Stddev	.004191	.14620	.0003422	.0005217	.74469	.0015454	.0156746
%RSD	.1940945	.6707241	1.604763	37.10448	51.29417	6.739397	16.78029
#1	2.155231	21.71987	.0217185	.0008688	-1.38320	.0218798	.1106164
#2	2.159311	21.70573	.0211351	.0014383	-.74379	.0222081	.0799424
#3	2.163613	21.96572	.0211170	.0019107	-2.22842	.0247056	.0896745

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0882757	.9541557	.0005640	.0028004	.2544089	1.659497	.0079192
Stddev	.0410548	.0034158	.0028711	.0007512	.0043888	.004078	.0024814
%RSD	46.50755	.3579957	509.0750	26.82472	1.725105	.2457531	31.33385
#1	.0472475	.9547720	.0031316	.0021915	.2522400	1.662309	.0102379
#2	.1293572	.9504737	.0010965	.0036399	.2594599	1.661363	.0053021
#3	.0882223	.9572214	-.002536	.0025700	.2515268	1.654820	.0082176

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-07LX5 Acquired: 12/23/2024 21:34:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL34L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1230419	.0738315	.0111077
Stddev	.0008982	.0003104	.0007482
%RSD	.7300215	.4203900	6.735588
#1	.1221033	.0738666	.0110439
#2	.1238934	.0735051	.0118857
#3	.1231290	.0741229	.0103934

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2134.304	27792.37	2275.915	1826.672	1815.786
Stddev	2.270	81.95	13.842	12.231	2.849
%RSD	.1063522	.2948586	.6081791	.6695706	.1569072
#1	2132.294	27697.79	2291.608	1814.947	1815.506
#2	2136.766	27842.25	2270.692	1825.718	1818.765
#3	2133.851	27837.08	2265.445	1839.353	1813.087

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-09 Acquired: 12/23/2024 21:38:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL43S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1400788	.0751691	.2085314	.1786946	.1699872	46.27471	3.700109
Stddev	.0053246	.0051686	.0029739	.0049985	.0012673	.05313	.005681
%RSD	3.801158	6.876024	1.426090	2.797249	.7455059	.1148101	.1535380
#1	.1461744	.0746252	.2112675	.1839319	.1687690	46.32528	3.704569
#2	.1363354	.0702939	.2089603	.1739751	.1698941	46.21935	3.702046
#3	.1377265	.0805881	.2053664	.1781767	.1712983	46.27950	3.693713

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0853802	.0971474	579.4429	.4074893	1.032020	.5586823	117.1180
Stddev	.0003624	.0001183	1.6287	.0007688	.004020	.0088246	.2634
%RSD	.4244155	.1217261	.2810722	.1886699	.3895588	1.579536	.2248596
#1	.0853194	.0970466	581.0149	.4081119	1.032984	.5648958	117.4221
#2	.0857692	.0971181	579.5508	.4066300	1.027605	.5625696	116.9598
#3	.0850522	.0972776	577.7630	.4077262	1.035470	.5485814	116.9723

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.759703	90.40423	1.063782	.0615004	-.949249	.9354396	1.160228
Stddev	.023763	.37461	.002137	.0005307	1.178061	.0062109	.000567
%RSD	.2434809	.4143678	.2008408	.8628855	124.1045	.6639601	.0488904
#1	9.786827	90.56093	1.065259	.0620631	-2.29608	.9416167	1.159604
#2	9.742551	90.67504	1.061332	.0614294	-.44122	.9355067	1.160711
#3	9.749730	89.97672	1.064755	.0610089	-.11045	.9291954	1.160370

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.913005	4.857090	.0206096	.0035147	1.215034	6.887420	.0306108
Stddev	.027277	.017432	.0017141	.0005684	.012908	.037975	.0018477
%RSD	.6970925	.3588926	8.317079	16.17216	1.062344	.5513671	6.035981
#1	3.943714	4.861336	.0225724	.0041607	1.225894	6.919777	.0285693
#2	3.903716	4.837927	.0198494	.0032925	1.200763	6.896870	.0321682
#3	3.891585	4.872006	.0194071	.0030910	1.218444	6.845612	.0310950

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-09 Acquired: 12/23/2024 21:38:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL43S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.5254373	.3158500	.0751743
Stddev	.0090653	.0007125	.0055603
%RSD	1.725284	.2255697	7.396533
#1	.5320951	.3159963	.0688253
#2	.5151130	.3164779	.0791761
#3	.5291037	.3150757	.0775215

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2381.441	31148.98	2613.459	2038.309	1705.498
Stddev	3.784	56.94	12.922	2.567	.876
%RSD	.1588768	.1828015	.4944520	.1259592	.0513815
#1	2385.005	31085.29	2602.404	2040.757	1706.385
#2	2377.470	31166.71	2610.307	2035.636	1705.475
#3	2381.848	31194.95	2627.666	2038.532	1704.633

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-10 Acquired: 12/23/2024 21:42:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL77 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1639003	-.072716	.5708849	.1053102	.0382164	72.44815	.7763787
Stddev	.0023124	.002199	.0013142	.0018149	.0035850	.29645	.0006473
%RSD	1.410842	3.023996	.2302000	1.723360	9.380765	.4091855	.0833709
#1	.1627513	-.070272	.5693688	.1067853	.0346340	72.10606	.7757833
#2	.1665621	-.073343	.5716998	.1032835	.0418039	72.60850	.7762853
#3	.1623875	-.074534	.5715860	.1058618	.0382112	72.62989	.7770677

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0081376	.0076024	35.62867	.1173491	.1158397	.2536661	186.4924
Stddev	.0000414	.0001292	.08800	.0004782	.0008431	.0045311	.6630
%RSD	.5081780	1.699779	.2469913	.4074687	.7277771	1.786245	.3555271
#1	.0080922	.0076003	35.53703	.1175786	.1165741	.2485204	185.7667
#2	.0081732	.0074743	35.63648	.1176693	.1160258	.2570587	187.0664
#3	.0081474	.0077327	35.71251	.1167995	.1149191	.2554192	186.6441

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.23032	23.16931	.1820111	.0056685	-1.07028	.2050250	.6900206
Stddev	.02573	.13270	.0005909	.0011216	.36510	.0033801	.0140448
%RSD	.2290779	.5727537	.3246580	19.78654	34.11205	1.648644	2.035420
#1	11.20331	23.03528	.1826604	.0059757	-.88166	.2081092	.6861415
#2	11.25453	23.30065	.1818681	.0044253	-.83808	.2014114	.6783230
#3	11.23312	23.17200	.1815048	.0066045	-1.49111	.2055545	.7055972

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.411720	6.034455	.0138254	.0079196	3.439818	9.898730	.0426938
Stddev	.083522	.011853	.0014521	.0005582	.003280	.019584	.0004215
%RSD	1.126885	.1964245	10.50275	7.048087	.0953401	.1978419	.9872862
#1	7.315291	6.030012	.0124907	.0082257	3.437796	9.891359	.0422078
#2	7.458531	6.025464	.0136139	.0082578	3.443602	9.883902	.0429598
#3	7.461337	6.047887	.0153716	.0072754	3.438057	9.920930	.0429138

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-10 Acquired: 12/23/2024 21:42:18 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL77 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8589104	-.107034	.0682382
Stddev	.0021170	.000271	.0020808
%RSD	.2464771	.2534661	3.049348
#1	.8610414	-.106815	.0658365
#2	.8588822	-.107337	.0693795
#3	.8568076	-.106949	.0694986

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2744.787	35731.49	2892.337	2365.032	1907.489
Stddev	9.344	54.01	11.486	10.739	9.336
%RSD	.3404241	.1511543	.3971052	.4540914	.4894201
#1	2754.174	35746.25	2902.357	2376.726	1914.788
#2	2744.701	35776.58	2894.853	2362.756	1910.710
#3	2735.487	35671.63	2879.802	2355.612	1896.970

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-11 Acquired: 12/23/2024 21:46:07 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL78 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1571554	-.066205	.5572358	.0989933	.0354637	68.70497	.7081660
Stddev	.0046307	.001831	.0010378	.0034026	.0018376	.22930	.0013240
%RSD	2.946542	2.766140	.1862478	3.437225	5.181686	.3337387	.1869671
#1	.1624403	-.064143	.5561644	.1021544	.0374324	68.50787	.7092711
#2	.1552165	-.066831	.5573066	.0994336	.0351650	68.95662	.7085284
#3	.1538093	-.067641	.5582365	.0953920	.0337938	68.65042	.7066985

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0076992	.0068146	47.39715	.1075849	.1104602	.2515758	176.7645
Stddev	.0001019	.0000706	.05418	.0004255	.0006733	.0016983	.7709
%RSD	1.323156	1.036098	.1143075	.3954797	.6095147	.6750740	.4361420
#1	.0076554	.0068826	47.37284	.1071043	.1098849	.2512012	176.1410
#2	.0076265	.0068197	47.45923	.1079134	.1102950	.2534302	177.6265
#3	.0078156	.0067416	47.35939	.1077370	.1112007	.2500961	176.5258

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.39922	26.78748	.1739919	.0048382	-1.34546	.1897211	.6930357
Stddev	.02697	.09440	.0010079	.0006650	.34514	.0027369	.0144786
%RSD	.2593818	.3523863	.5792745	13.74477	25.65202	1.442581	2.089159
#1	10.38420	26.73493	.1745696	.0055616	-1.33324	.1927723	.6839777
#2	10.43036	26.73105	.1728281	.0046994	-1.00660	.1874828	.6853952
#3	10.38310	26.89645	.1745780	.0042535	-1.69655	.1889081	.7097341

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.111581	7.519640	.0148009	.0068374	3.473338	9.848853	.0392533
Stddev	.106203	.019599	.0022640	.0003089	.013490	.024757	.0019959
%RSD	1.493378	.2606415	15.29633	4.518074	.3883834	.2513733	5.084640
#1	6.988971	7.540831	.0172504	.0071710	3.458869	9.829591	.0406496
#2	7.170830	7.502164	.0143671	.0065612	3.475574	9.840190	.0369673
#3	7.174942	7.515925	.0127852	.0067801	3.485570	9.876778	.0401430

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-11 Acquired: 12/23/2024 21:46:07 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL78 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7859585	-.087065	.0671325
Stddev	.0010367	.000886	.0046535
%RSD	.1319044	1.017292	6.931841
#1	.7862545	-.086354	.0620602
#2	.7868150	-.088057	.0712045
#3	.7848060	-.086784	.0681327

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2729.335	35523.12	2857.955	2359.771	1900.565
Stddev	2.281	73.86	6.066	3.585	2.564
%RSD	.0835554	.2079245	.2122553	.1519102	.1349335
#1	2730.536	35465.03	2858.999	2355.825	1899.427
#2	2730.764	35606.25	2863.431	2362.825	1903.501
#3	2726.705	35498.10	2851.434	2360.664	1898.766

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-12 Acquired: 12/23/2024 21:49:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL79 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1708488	-.069143	.5935236	.1081687	.0407601	74.69730	.8145861
Stddev	.0034004	.007750	.0018681	.0021150	.0018477	.19076	.0013737
%RSD	1.990277	11.20904	.3147394	1.955249	4.533128	.2553815	.1686346
#1	.1721855	-.067706	.5913751	.1085058	.0414328	74.52280	.8136203
#2	.1669832	-.062211	.5944327	.1100948	.0386703	74.90097	.8161586
#3	.1733778	-.077511	.5947632	.1059054	.0421772	74.66812	.8139793

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0083216	.0079063	49.74961	.1121825	.1239963	.2577625	196.5887
Stddev	.0001057	.0000814	.20939	.0006422	.0011360	.0076964	.5763
%RSD	1.270076	1.029056	.4208824	.5724899	.9161409	2.985856	.2931405
#1	.0082783	.0078145	49.67346	.1124028	.1231035	.2547948	195.9403
#2	.0082444	.0079349	49.98642	.1114591	.1236104	.2665010	197.0424
#3	.0084421	.0079695	49.58896	.1126855	.1252750	.2519917	196.7832

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.88335	31.90966	.1902789	.0051027	-1.46339	.1997507	.6766318
Stddev	.01979	.06640	.0003575	.0008577	.21384	.0051489	.0062724
%RSD	.1665049	.2081010	.1878679	16.80939	14.61267	2.577640	.9270046
#1	11.87647	31.90155	.1904552	.0042114	-1.64178	.2050683	.6739267
#2	11.90566	31.97975	.1898675	.0059224	-1.22634	.1947890	.6838029
#3	11.86793	31.84769	.1905139	.0051744	-1.52203	.1993947	.6721659

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.291607	5.550870	.0089931	.0057502	2.743703	8.235288	.0402948
Stddev	.195526	.016637	.0031956	.0001241	.015957	.057360	.0005756
%RSD	3.107733	.2997125	35.53370	2.158623	.5815807	.6965207	1.428473
#1	6.278030	5.537910	.0053082	.0056953	2.740418	8.231911	.0396427
#2	6.493569	5.545069	.0110016	.0056629	2.729644	8.179691	.0407322
#3	6.103224	5.569630	.0106696	.0058923	2.761046	8.294263	.0405096

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5063-12 Acquired: 12/23/2024 21:49:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHL79 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7069434	-.110514	.0736502
Stddev	.0024003	.000449	.0011534
%RSD	.3395316	.4059498	1.566107
#1	.7047476	-.110220	.0731518
#2	.7095060	-.110290	.0749690
#3	.7065766	-.111030	.0728298

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2821.139	36767.13	3002.518	2440.923	1880.459
Stddev	9.125	149.83	13.347	9.564	7.039
%RSD	.3234366	.4075003	.4445265	.3918075	.3743469
#1	2831.580	36755.91	3012.771	2449.385	1886.718
#2	2817.139	36623.23	3007.356	2430.547	1881.820
#3	2814.697	36922.25	2987.427	2442.838	1872.838

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCV026 Acquired: 12/23/2024 21:53:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV026 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.986639	4.714978	23.96071	4.811410	4.801980	392.5702	9.919332
Stddev	.012084	.013116	.03690	.018768	.011547	.8412	.028306
%RSD	.2423309	.2781843	.1540153	.3900732	.2404538	.2142803	.2853583
#1	4.980700	4.716845	23.95899	4.811899	4.796935	392.6782	9.942240
#2	4.978675	4.701028	23.92470	4.792402	4.793814	393.3521	9.928068
#3	5.000544	4.727061	23.99845	4.829928	4.815190	391.6802	9.887688

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4896515	2.411255	399.1338	15.06764	2.425948	14.75167	402.3591
Stddev	.0023846	.004137	.6880	.02416	.002740	.07998	1.2551
%RSD	.4869889	.1715776	.1723633	.1603747	.1129389	.5421449	.3119476
#1	.4910772	2.411929	398.7864	15.09471	2.425595	14.66932	402.7672
#2	.4868987	2.406822	399.9262	15.04825	2.423402	14.82904	403.3595
#3	.4909788	2.415014	398.6889	15.05997	2.428848	14.75664	400.9507

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.71092	396.7161	2.429184	1.277168	392.9182	2.475265	14.91834
Stddev	.05266	1.2469	.002044	.002541	1.5219	.014247	.15684
%RSD	.3579514	.3143001	.0841571	.1989614	.3873388	.5755940	1.051295
#1	14.69936	396.0623	2.429535	1.280101	393.4107	2.474607	14.74343
#2	14.76840	398.1539	2.426987	1.275638	394.1329	2.489831	14.96516
#3	14.66501	395.9320	2.431030	1.275765	391.2110	2.461359	15.04643

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	146.1504	4.836513	4.730234	4.780662	4.828685	4.624987	4.862971
Stddev	.8525	.005548	.020722	.017971	.015703	.018883	.011667
%RSD	.5832752	.1147110	.4380673	.3759062	.3251937	.4082884	.2399176
#1	145.9868	4.841983	4.750621	4.772721	4.823946	4.643486	4.859672
#2	147.0729	4.830890	4.709193	4.768029	4.815899	4.605741	4.853309
#3	145.3917	4.836666	4.730889	4.801235	4.846212	4.625735	4.875933

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCV026 Acquired: 12/23/2024 21:53:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV026 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	4.898648	4.663305	4.924516
Stddev	.016261	.011779	.008639
%RSD	.3319412	.2525794	.1754306
#1	4.884945	4.650090	4.925590
#2	4.894384	4.672697	4.932568
#3	4.916616	4.667129	4.915390

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1811.917	24611.68	2132.801	1541.944	1582.189
Stddev	4.171	42.12	8.823	8.543	.978
%RSD	.2301730	.1711268	.4136969	.5540352	.0618058
#1	1811.849	24567.88	2124.822	1544.019	1581.207
#2	1816.122	24651.89	2142.277	1549.258	1583.162
#3	1807.781	24615.27	2131.304	1532.554	1582.198

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCB026 Acquired: 12/23/2024 21:57:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB026 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004902	-.001488	.0050765	.0043473	.0001835	.0405252	-.002226
Stddev	.0035607	.004899	.0014644	.0042841	.0006145	.0338900	.000557
%RSD	726.4180	329.3451	28.84604	98.54860	334.8743	83.62696	25.00630
#1	.0043590	-.006029	.0065616	.0023268	-.000094	.0761137	-.002866
#2	-.002650	-.002138	.0036337	.0014469	.000888	.0368244	-.001848
#3	-.000239	.003704	.0050342	.0092680	-.000243	.0086375	-.001965

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000384	.0000136	-.015477	-.000126	-.000128	.0057395	.0326924
Stddev	.0000969	.0001024	.028309	.000171	.000044	.0015477	.0378230
%RSD	252.0580	755.3984	182.9084	135.8034	34.24447	26.96660	115.6932
#1	-.000047	-.000084	.002756	.000047	-.000101	.0075241	.0195584
#2	.000018	.000005	-.048090	-.000131	-.000104	.0047643	.0753316
#3	.000144	.000120	-.001098	-.000294	-.000178	.0049300	.0031874

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028592	.0143843	.0009074	.0004141	-1.14798	.0001972	-.001337
Stddev	.0018174	.0739891	.0004978	.0007691	.91063	.0056600	.007341
%RSD	63.56418	514.3744	54.85509	185.7318	79.32396	2869.680	549.1115
#1	.0013464	.0385519	.0012418	.0010806	-1.17798	-.006173	.004233
#2	.0048752	-.068667	.0003354	-.000427	-.22273	.004647	.001412
#3	.0023560	.073268	.0011451	.000589	-2.04324	.002118	-.009656

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.898485	.0004903	.0051895	.0003092	-.005433	-.082672	-.000836
Stddev	.088315	.0005126	.0004639	.0004559	.001698	.000801	.001859
%RSD	9.829309	104.5609	8.938371	147.4625	31.26018	.9682977	222.3505
#1	-.999558	.0010708	.0051842	.0001971	-.007080	-.082645	-.001283
#2	-.836217	.0000998	.0056560	-.000080	-.005531	-.083486	.001206
#3	-.859679	.0003002	.0047284	.000811	-.003688	-.081886	-.002430

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCB026 Acquired: 12/23/2024 21:57:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB026 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0000420	.0001857	.0013333
Stddev	.0025925	.0001824	.0010820
%RSD	6178.864	98.21362	81.15081
#1	-.000608	.0003930	.0025762
#2	.002898	.0001138	.0006018
#3	-.002164	.0000502	.0008220

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2009.783	26313.39	2142.092	1742.036	1820.190
Stddev	7.680	101.50	11.343	13.435	7.133
%RSD	.3821138	.3857531	.5295313	.7712432	.3918870
#1	2017.420	26233.10	2155.186	1728.531	1826.477
#2	2009.868	26427.48	2135.813	1755.400	1821.654
#3	2002.061	26279.58	2135.277	1742.178	1812.438

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5071-01 Acquired: 12/23/2024 22:01:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKX5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0703631	-.028155	.3826370	.0401822	.0239615	53.24332
Stddev	.0043954	.002870	.0019111	.0030388	.0015001	.10273
%RSD	6.246785	10.19205	.4994639	7.562630	6.260495	.1929485
#1	.0735025	-.028999	.3824389	.0410960	.0256704	53.16377
#2	.0653398	-.030509	.3808326	.0367914	.0233519	53.20690
#3	.0722472	-.024959	.3846394	.0426593	.0228622	53.35930

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6952261	.0055085	.0037268	231.0478	.0887510	.0795028
Stddev	.0009937	.0001807	.0000662	.3427	.0003927	.0006028
%RSD	.1429374	3.279662	1.775478	.1483202	.4424814	.7581717
#1	.6959519	.0056336	.0036504	231.1246	.0892044	.0797931
#2	.6940935	.0053014	.0037668	230.6733	.0885282	.0788098
#3	.6956329	.0055905	.0037631	231.3456	.0885203	.0799055

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0869335	116.0938	2.708690	92.37181	.0971205	.0027612
Stddev	.0031883	.2729	.004809	.10116	.0006796	.0014737
%RSD	3.667505	.2350944	.1775331	.1095151	.6997852	53.37026
#1	.0851219	115.9951	2.707756	92.39362	.0978106	.0027825
#2	.0906149	115.8840	2.704416	92.26152	.0964518	.0042241
#3	.0850637	116.4024	2.713897	92.46029	.0970992	.0012770

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.973596	.1408360	.5655888	3.840009	F 12.49066	.0188718
Stddev	.629687	.0027213	.0066511	.027587	.05097	.0015515
%RSD	64.67645	1.932214	1.175968	.7184119	.4080471	8.221283
#1	-1.20581	.1380549	.5624402	3.808811	12.49640	.0187189
#2	-.26078	.1434932	.5732296	3.861183	12.43706	.0204942
#3	-1.45420	.1409598	.5610966	3.850033	12.53851	.0174025

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5071-01 Acquired: 12/23/2024 22:01:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKX5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052710	1.770068	7.083483	.0344183	.8415743	.1230710
Stddev	.0003134	.005024	.074821	.0011002	.0012501	.0008162
%RSD	5.946572	.2838510	1.056273	3.196596	.1485484	.6632185
#1	.0049100	1.768073	7.090932	.0356232	.8418813	.1232287
#2	.0054738	1.766348	7.005217	.0341647	.8401993	.1221874
#3	.0054292	1.775784	7.154301	.0334670	.8426424	.1237968

Elem	Li6707
Units	ppm
Avg	.0977170
Stddev	.0030384
%RSD	3.109421
#1	.0972428
#2	.1009646
#3	.0949435

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2525.458	33007.32	2723.751	2163.539	1774.269
Stddev	9.496	71.66	17.025	10.595	9.372
%RSD	.3760301	.2170952	.6250418	.4897255	.5282055
#1	2528.176	32925.50	2724.048	2152.288	1773.794
#2	2533.300	33037.54	2740.625	2165.002	1783.869
#3	2514.899	33058.92	2706.579	2173.327	1765.144

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5071-02 Acquired: 12/23/2024 22:05:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKX5D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0598523	-.026266	.3830238	.0383362	.0248959	52.29370
Stddev	.0022686	.004068	.0034897	.0050783	.0052209	.15147
%RSD	3.790338	15.48572	.9110999	13.24685	20.97081	.2896431
#1	.0585378	-.021924	.3851495	.0422297	.0268006	52.12040
#2	.0585472	-.026888	.3849257	.0401868	.0189901	52.35997
#3	.0624718	-.029988	.3789963	.0325921	.0288969	52.40075

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6848771	.0053894	.0037892	227.6094	.0876550	.0801279
Stddev	.0018326	.0001941	.0001100	.7123	.0002601	.0010620
%RSD	.2675855	3.602243	2.901667	.3129336	.2966788	1.325336
#1	.6830323	.0055412	.0038773	226.7933	.0875741	.0805494
#2	.6866973	.0051707	.0038244	227.9290	.0874450	.0789199
#3	.6849018	.0054564	.0036660	228.1058	.0879459	.0809144

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0869953	114.1100	2.657668	90.52022	.0976035	.0019580
Stddev	.0047482	.3017	.008630	.33378	.0004121	.0009555
%RSD	5.458004	.2644370	.3247211	.3687385	.4222100	48.79825
#1	.0816918	113.8885	2.652397	90.61918	.0971473	.0026880
#2	.0908513	113.9877	2.652979	90.14815	.0977145	.0023094
#3	.0884429	114.4536	2.667627	90.79334	.0979487	.0008766

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.64841	.1410920	.5809434	3.759178	F 12.47309	.0171684
Stddev	.25759	.0091115	.0079388	.093043	.01023	.0024456
%RSD	15.62654	6.457857	1.366532	2.475082	.0820005	14.24490
#1	-1.92185	.1512973	.5737515	3.803578	12.48004	.0187787
#2	-1.61303	.1382049	.5796167	3.652253	12.46135	.0183724
#3	-1.41033	.1337738	.5894619	3.821704	12.47789	.0143542

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5071-02 Acquired: 12/23/2024 22:05:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKX5D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048748	1.774511	7.084397	.0359072	.8449052	.1219775
Stddev	.0006328	.003897	.094783	.0013384	.0048147	.0012334
%RSD	12.98173	.2196060	1.337913	3.727374	.5698454	1.011188
#1	.0043334	1.778128	7.104858	.0364789	.8440996	.1206980
#2	.0055705	1.770384	6.981054	.0368649	.8405441	.1231590
#3	.0047205	1.775022	7.167278	.0343779	.8500718	.1220754

Elem	Li6707
Units	ppm
Avg	.0937619
Stddev	.0050279
%RSD	5.362366
#1	.0883981
#2	.0945199
#3	.0983678

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2529.157	33443.61	2751.127	2199.363	1774.289
Stddev	2.385	131.10	30.497	15.913	2.728
%RSD	.0943073	.3920022	1.108525	.7235396	.1537347
#1	2529.283	33389.38	2744.334	2192.950	1776.664
#2	2531.477	33348.34	2784.448	2187.657	1774.892
#3	2526.711	33593.13	2724.599	2217.482	1771.310

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5071-01LX5 Acquired: 12/23/2024 22:09:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKX5L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050548	.0035223	.0840348	-.001359	.0088921	12.53415	.1628558
Stddev	.0049635	.0005282	.0022781	.002664	.0011667	.03599	.0019561
%RSD	98.19291	14.99531	2.710852	196.0763	13.12053	.2871644	1.201135
#1	.0076273	.0037280	.0866144	-.004414	.0098981	12.50551	.1611789
#2	.0082040	.0029222	.0822989	.000482	.0091653	12.57456	.1650048
#3	-.000667	.0039166	.0831911	-.000144	.0076131	12.52239	.1623836

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013819	.0006409	55.60749	.0215260	.0307906	.0250757	28.02358
Stddev	.0001408	.0001256	.10164	.0004605	.0005055	.0080295	.05097
%RSD	10.18936	19.59612	.1827809	2.139371	1.641737	32.02104	.1818868
#1	.0013268	.0007846	55.66089	.0217697	.0313306	.0159828	27.99810
#2	.0012770	.0005522	55.67131	.0209948	.0303287	.0280529	28.08227
#3	.0015420	.0005859	55.49028	.0218135	.0307126	.0311914	27.99037

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6573115	22.42800	.0183286	.0004518	-1.45632	.0326506	.1499989
Stddev	.0032288	.04809	.0003666	.0006939	.68207	.0050832	.0114279
%RSD	.4912184	.2144041	2.000001	153.5814	46.83536	15.56848	7.618677
#1	.6566116	22.40319	.0186915	.0012425	-1.39073	.0327039	.1430689
#2	.6608328	22.39739	.0179585	-.000056	-2.16881	.0275409	.1631891
#3	.6544899	22.48343	.0183358	.000169	-.80941	.0377069	.1437388

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1846344	2.503676	.0001732	.0029949	.3571559	1.684222	.0090262
Stddev	.1297286	.005274	.0025181	.0003497	.0052596	.007135	.0012438
%RSD	70.26240	.2106688	1454.014	11.67693	1.472621	.4236327	13.77986
#1	.1668430	2.508978	.0029144	.0033948	.3632000	1.681655	.0079930
#2	.0647198	2.498430	-.002037	.0027462	.3536199	1.692285	.0086789
#3	.3223405	2.503620	-.000358	.0028438	.3546477	1.678725	.0104067

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5071-01LX5 Acquired: 12/23/2024 22:09:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKX5L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2023755	.0294995	.0158532
Stddev	.0007007	.0004578	.0033571
%RSD	.3462125	1.551925	21.17597
#1	.2023032	.0293923	.0164620
#2	.2031096	.0300014	.0122335
#3	.2017139	.0291048	.0188643

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2166.112	28197.08	2299.863	1863.519	1839.834
Stddev	1.424	171.98	14.594	10.138	2.426
%RSD	.0657394	.6099224	.6345486	.5440479	.1318667
#1	2167.434	28026.73	2291.198	1852.794	1841.442
#2	2164.604	28370.65	2291.679	1872.945	1837.043
#3	2166.296	28193.86	2316.713	1864.820	1841.018

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5071-03 Acquired: 12/23/2024 22:13:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKX5S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1428578	.0553519	.4143581	.1832370	.1679505	55.34411
Stddev	.0050869	.0046903	.0033042	.0030135	.0016649	.73252
%RSD	3.560781	8.473532	.7974201	1.644570	.9913139	1.323575
#1	.1465743	.0499468	.4142624	.1838350	.1698698	55.85865
#2	.1449387	.0583492	.4111028	.1799693	.1670880	54.50544
#3	.1370604	.0577597	.4177091	.1859066	.1668939	55.66824

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.849473	.0847443	.0988768	227.3017	.4221406	1.019297
Stddev	.053426	.0005563	.0002188	3.1272	.0016598	.003478
%RSD	1.387867	.6564523	.2212636	1.375804	.3931877	.3412647
#1	3.884981	.0853394	.0987531	229.8716	.4220361	1.016001
#2	3.788031	.0846561	.0987480	223.8198	.4205355	1.018957
#3	3.875408	.0842373	.0991294	228.2136	.4238502	1.022933

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4569498	115.8177	3.462931	90.92261	1.054273	.0595713
Stddev	.0101839	1.6099	.056817	1.40172	.002951	.0003951
%RSD	2.228664	1.390035	1.640727	1.541661	.2799157	.6633147
#1	.4662027	117.1661	3.509378	91.82864	1.051711	.0591151
#2	.4460385	114.0353	3.399580	89.30807	1.053609	.0597899
#3	.4586082	116.2517	3.479835	91.63113	1.057500	.0598088

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.14954	.9474573	1.285005	3.810899	F 12.35840	.0165097
Stddev	.49473	.0192107	.022294	.169843	.04264	.0023376
%RSD	43.03742	2.027610	1.734914	4.456780	.3450624	14.15906
#1	-.57830	.9559658	1.281781	3.946895	12.32776	.0191583
#2	-1.43022	.9254616	1.264499	3.620526	12.34033	.0156361
#3	-1.44010	.9609443	1.308735	3.865274	12.40710	.0147347

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5071-03 Acquired: 12/23/2024 22:13:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKX5S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046343	1.760575	7.043156	.0359711	.8412412	.1210393
Stddev	.0003470	.011367	.037781	.0014821	.0172585	.0022857
%RSD	7.488581	.6456256	.5364226	4.120138	2.051551	1.888415
#1	.0043222	1.747650	7.086655	.0368843	.8488779	.1233093
#2	.0050080	1.765064	7.024288	.0342611	.8214819	.1187381
#3	.0045727	1.769012	7.018525	.0367680	.8533639	.1210704

Elem	Li6707
Units	ppm
Avg	.0951593
Stddev	.0032702
%RSD	3.436592
#1	.0952986
#2	.0918216
#3	.0983577

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2527.981	32920.99	2724.207	2159.370	1779.852
Stddev	4.759	257.47	29.089	24.830	4.554
%RSD	.1882610	.7820808	1.067783	1.149877	.2558676
#1	2532.456	32717.70	2691.994	2133.816	1785.004
#2	2522.981	33210.50	2748.553	2183.406	1776.363
#3	2528.507	32834.75	2732.074	2160.887	1778.190

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: PB165507BL Acquired: 12/23/2024 22:16:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS507 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018953	-.000870	-.001124	.0023130	.0012984	.0366520	-.000344
Stddev	.0053429	.002453	.002104	.0053631	.0013777	.0112424	.001338
%RSD	281.9017	282.0044	187.1375	231.8637	106.1071	30.67323	388.5481
#1	.0032988	.001819	-.003353	.0028715	-.000133	.0489649	-.001841
#2	-.004009	-.002987	-.000848	-.003307	.002615	.0340573	.000070
#3	.006396	-.001442	.000828	.007375	.001413	.0269339	.000737

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000097	-.000036	-.018598	-.001101	-.000113	.0029094	.0093647
Stddev	.000101	.000096	.004110	.000681	.000315	.0033623	.0217929
%RSD	103.8330	266.8901	22.09721	61.88179	278.4136	115.5666	232.7133
#1	-.000020	-.000083	-.023322	-.000971	-.000476	.0051584	.0278445
#2	-.000211	.000075	-.015851	-.001837	.000063	-.000956	-.014667
#3	-.000059	-.000099	-.016620	-.000493	.000074	.004526	.014917

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012121	.1083328	.0003694	-.000238	-2.07540	-.001251	.0048528
Stddev	.0009422	.0972520	.0005941	.001285	.33126	.010633	.0194531
%RSD	77.72826	89.77151	160.8499	540.4358	15.96115	850.1150	400.8656
#1	.0006439	.0957637	.0010415	.000429	-1.73281	.001110	.0196769
#2	.0006928	.0179764	-.000086	-.001719	-2.09936	-.012866	-.017175
#3	.0022997	.2112582	.000153	.000577	-2.39403	.008004	.012056

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.07365	.0012655	-.005457	.0005244	-.005896	-.083302	.0005108
Stddev	.14914	.0016492	.000707	.0005531	.008323	.001012	.0010649
%RSD	13.89107	130.3159	12.95380	105.4726	141.1656	1.214433	208.4782
#1	-.99821	.0028530	-.006254	.0010294	-.014093	-.083389	-.000295
#2	-1.24545	.0013826	-.004907	-.000067	.002547	-.084268	.000110
#3	-.97731	-.000439	-.005211	.000611	-.006142	-.082250	.001718

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: PB165507BL Acquired: 12/23/2024 22:16:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS507 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	-.001662	.0002216	-.009862
Stddev	.005314	.0000861	.004909
%RSD	319.7013	38.87254	49.77695
#1	-.000051	.0001394	-.015495
#2	.002660	.0002143	-.007592
#3	-.007596	.0003112	-.006499

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2036.544	26407.48	2178.177	1743.698	1842.638
Stddev	.715	147.48	15.614	9.714	1.668
%RSD	.0351155	.5584661	.7168423	.5570895	.0905104
#1	2037.186	26286.95	2172.367	1734.759	1840.969
#2	2036.672	26363.55	2166.301	1742.301	1842.640
#3	2035.773	26571.93	2195.863	1754.035	1844.304

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: PB165507BS Acquired: 12/23/2024 22:20:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS507 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0237884	.0495025	.0205659	.0646048	.1075513	.4293103
Stddev	.0023950	.0045310	.0023315	.0030916	.0026568	.0187948
%RSD	10.06786	9.152989	11.33689	4.785463	2.470274	4.377917
#1	.0264691	.0534840	.0215122	.0671196	.1102018	.4117428
#2	.0230367	.0504514	.0179100	.0655417	.1048882	.4270584
#3	.0218595	.0445723	.0222755	.0611531	.1075640	.4491296

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3948774	.0099549	.0095630	9.750266	.0198910	.0985489
Stddev	.0017516	.0001497	.0000792	.062650	.0007476	.0012156
%RSD	.4435890	1.503718	.8279763	.6425499	3.758552	1.233473
#1	.3961422	.0100437	.0096428	9.813496	.0204763	.0988696
#2	.3956119	.0100389	.0094845	9.749091	.0190488	.0972051
#3	.3928781	.0097821	.0095617	9.688212	.0201480	.0995720

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0599677	.1955541	.0329945	10.17303	.0768423	.0188064
Stddev	.0082412	.0391766	.0007482	.16249	.0003002	.0007899
%RSD	13.74276	20.03366	2.267668	1.597242	.3906454	4.200121
#1	.0528822	.2055792	.0334492	10.34315	.0771431	.0179723
#2	.0690118	.2287440	.0321310	10.15648	.0765427	.0189036
#3	.0580092	.1523390	.0334034	10.01945	.0768411	.0195431

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.680130	.1124339	.1193152	8.312156	.0183148	F -.007309
Stddev	.463225	.0074058	.0067244	.231145	.0005236	.002568
%RSD	5.336613	6.586815	5.635800	2.780810	2.858941	35.13911
#1	9.049893	.1092377	.1123747	8.562564	.0178263	-.004344
#2	8.160534	.1209010	.1258003	8.266953	.0188676	-.008849
#3	8.829963	.1071628	.1197706	8.106952	.0182505	-.008735

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: PB165507BS Acquired: 12/23/2024 22:20:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS507 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0201737	.1727626	F .3705651	.0112469	.1916281	.1985199
Stddev	.0007217	.0008325	.0032145	.0001455	.0022230	.0009577
%RSD	3.577564	.4818954	.8674542	1.294012	1.160054	.4824132
#1	.0193473	.1721989	.3742755	.0110878	.1937904	.1995175
#2	.0206800	.1723700	.3686251	.0113734	.1893490	.1976079
#3	.0204939	.1737188	.3687946	.0112794	.1917449	.1984343

Elem	Li6707
Units	ppm
Avg	F .0199685
Stddev	.0024945
%RSD	12.49235
#1	.0198127
#2	.0175555
#3	.0225373

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2076.445	26915.20	2199.159	1780.823	1880.402
Stddev	14.625	37.81	15.860	3.652	11.247
%RSD	.7043060	.1404842	.7211863	.2050600	.5980962
#1	2066.184	26872.36	2182.525	1784.245	1872.231
#2	2093.191	26929.33	2200.843	1776.978	1893.229
#3	2069.961	26943.91	2214.111	1781.247	1875.747

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-01 Acquired: 12/23/2024 22:24:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLR0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1991573	-.092151	.3351148	.1142794	.0491053	68.69758
Stddev	.0061374	.002577	.0020614	.0030391	.0014617	.03702
%RSD	3.081685	2.796569	.6151303	2.659343	2.976554	.0538935
#1	.2036965	-.091728	.3342318	.1118831	.0486035	68.66134
#2	.1921745	-.094913	.3336419	.1176978	.0507517	68.73534
#3	.2016010	-.089811	.3374706	.1132574	.0479606	68.69605

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7074925	.0087287	.0042533	123.9754	.1085335	.1798538
Stddev	.0015018	.0000868	.0001274	.0586	.0007828	.0011328
%RSD	.2122703	.9944286	2.995283	.0472664	.7212718	.6298213
#1	.7064573	.0087839	.0044003	124.0252	.1076296	.1797076
#2	.7092149	.0087735	.0041755	123.9902	.1089797	.1788012
#3	.7068053	.0086286	.0041840	123.9109	.1089911	.1810525

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2429292	242.0467	6.255063	46.39509	.2096344	.0064281
Stddev	.0025018	.5422	.013638	.21750	.0016524	.0007143
%RSD	1.029859	.2240074	.2180340	.4688058	.7882316	11.11276
#1	.2400872	241.9373	6.246773	46.15393	.2111827	.0071948
#2	.2439015	242.6353	6.270804	46.57640	.2078946	.0063085
#3	.2447990	241.5676	6.247613	46.45495	.2098259	.0057812

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.999395	.1990357	.5199901	5.148399	F 10.45514	.0102345
Stddev	.475148	.0085940	.0110802	.048840	.03883	.0054884
%RSD	47.54357	4.317839	2.130849	.9486453	.3713563	53.62711
#1	-.911099	.2036757	.5184420	5.126920	10.44351	.0060356
#2	-1.51250	.2043124	.5317630	5.113980	10.42345	.0164449
#3	-.57459	.1891190	.5097654	5.204298	10.49845	.0082230

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-01 Acquired: 12/23/2024 22:24:47 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLR0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0041380	.6846290	4.743947	.0282056	.6187576	-.098345
Stddev	.0004295	.0059145	.037125	.0011492	.0023786	.000385
%RSD	10.37810	.8639001	.7825663	4.074247	.3844161	.3914067
#1	.0040383	.6778087	4.786626	.0286754	.6207888	-.097946
#2	.0037673	.6877336	4.726091	.0268959	.6161409	-.098714
#3	.0046086	.6883448	4.719125	.0290454	.6193431	-.098375

Elem	Li6707
Units	ppm
Avg	.0982951
Stddev	.0011156
%RSD	1.134966
#1	.0988350
#2	.0990381
#3	.0970123

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2755.488	35942.00	2966.175	2367.393	1833.952
Stddev	6.820	81.78	19.822	10.067	6.795
%RSD	.2475023	.2275413	.6682580	.4252291	.3705334
#1	2763.075	35969.91	2943.487	2367.895	1839.802
#2	2753.524	35849.91	2974.908	2357.085	1835.555
#3	2749.866	36006.17	2980.132	2377.200	1826.498

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-02 Acquired: 12/23/2024 22:28:37 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLW6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1046288	-.052309	10.80099	.0718409	.0329838	65.33065
Stddev	.0048170	.002283	.01068	.0042065	.0008384	.21435
%RSD	4.603879	4.363712	.0988910	5.855236	2.541890	.3281033
#1	.1020416	-.053037	10.78950	.0714160	.0322253	65.53296
#2	.1101866	-.049751	10.80283	.0678630	.0328420	65.35298
#3	.1016583	-.054138	10.81063	.0762437	.0338840	65.10601

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9707263	.0076108	.0062404	85.50200	.1188507	.0977174
Stddev	.0007456	.0002138	.0002081	.13968	.0005292	.0002997
%RSD	.0768077	2.808843	3.334603	.1633614	.4452913	.3067418
#1	.9702936	.0078494	.0060054	85.58757	.1192759	.0973739
#2	.9702980	.0075460	.0063146	85.57763	.1182580	.0979260
#3	.9715872	.0074369	.0064013	85.34082	.1190182	.0978523

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3373776	147.0831	4.936566	27.48176	.1895110	.0036242
Stddev	.0032613	.2303	.011175	.04564	.0005286	.0000796
%RSD	.9666530	.1565745	.2263652	.1660871	.2789078	2.196496
#1	.3397935	147.2612	4.949345	27.50689	.1901133	.0035691
#2	.3386712	147.1651	4.928630	27.50932	.1891247	.0037154
#3	.3336679	146.8230	4.931722	27.42908	.1892948	.0035880

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.15776	.1899026	.9587636	8.203483	F 14.93010	.0275719
Stddev	.36136	.0060282	.0116711	.026204	.01835	.0014525
%RSD	31.21223	3.174346	1.217308	.3194242	.1228929	5.268092
#1	-1.42378	.1858521	.9453903	8.185633	14.91782	.0284959
#2	-.74635	.1870254	.9668927	8.233567	14.92128	.0258977
#3	-1.30315	.1968303	.9640079	8.191250	14.95119	.0283222

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-02 Acquired: 12/23/2024 22:28:37 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLW6 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0075694	4.395722	5.741074	.1681193	.7557296	.0612854
Stddev	.0006146	.012267	.083095	.0007587	.0031085	.0008083
%RSD	8.119486	.2790662	1.447370	.4512858	.4113309	1.318964
#1	.0082698	4.391548	5.829865	.1676579	.7552399	.0612123
#2	.0071204	4.386087	5.728174	.1689950	.7590539	.0621277
#3	.0073179	4.409532	5.665185	.1677052	.7528950	.0605160

Elem	Li6707
Units	ppm
Avg	.0846726
Stddev	.0032232
%RSD	3.806662
#1	.0883129
#2	.0821813
#3	.0835237

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2636.837	34571.04	2810.418	2267.299	1886.660
Stddev	1.791	183.52	21.061	10.197	2.024
%RSD	.0679077	.5308393	.7493981	.4497299	.1073039
#1	2636.120	34781.55	2793.106	2278.557	1887.663
#2	2638.876	34444.74	2804.284	2264.656	1887.987
#3	2635.517	34486.83	2833.866	2258.684	1884.330

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-03 Acquired: 12/23/2024 22:32:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLW7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1103508	-.047659	1.199448	.0712493	.0279247	67.27983
Stddev	.0022572	.000586	.004017	.0030254	.0021057	.24549
%RSD	2.045464	1.229497	.3348730	4.246226	7.540776	.3648854
#1	.1117884	-.047831	1.197931	.0696466	.0270506	67.02680
#2	.1077492	-.048140	1.196411	.0747389	.0263968	67.51702
#3	.1115149	-.047007	1.204002	.0693624	.0303267	67.29568

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.033535	.0078470	.0065237	74.65471	.1195705	.0982290
Stddev	.003592	.0001446	.0001440	.25503	.0001338	.0006723
%RSD	.3475004	1.842361	2.207342	.3416171	.1119355	.6843859
#1	1.031259	.0079755	.0066181	74.40957	.1194740	.0988904
#2	1.037675	.0078749	.0063580	74.91860	.1195142	.0975464
#3	1.031672	.0076905	.0065952	74.63597	.1197233	.0982503

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2912880	143.5281	5.043594	26.40968	.1886684	.0036146
Stddev	.0055887	.5248	.009969	.02353	.0001531	.0005347
%RSD	1.918629	.3656697	.1976500	.0890801	.0811511	14.79379
#1	.2938259	143.0304	5.035110	26.38930	.1887453	.0037210
#2	.2951574	144.0764	5.054573	26.43542	.1887678	.0040881
#3	.2848806	143.4774	5.041098	26.40431	.1884921	.0030346

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.56398	.1912313	.9572665	5.753728	F 14.85223	.0159350
Stddev	.54107	.0033866	.0204943	.133063	.01075	.0011891
%RSD	34.59576	1.770927	2.140924	2.312644	.0723841	7.462143
#1	-2.11522	.1892409	.9582974	5.613398	14.85618	.0157876
#2	-1.54305	.1951416	.9362762	5.878081	14.84006	.0148265
#3	-1.03368	.1893115	.9772260	5.769706	14.86045	.0171909

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-03 Acquired: 12/23/2024 22:32:26 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLW7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0071495	3.412164	5.798655	.0827374	.7263435	.0715701
Stddev	.0001937	.010265	.036907	.0008120	.0018234	.0010213
%RSD	2.708853	.3008444	.6364826	.9814262	.2510339	1.426983
#1	.0069678	3.415819	5.831669	.0832086	.7242438	.0704962
#2	.0073532	3.420101	5.805487	.0832037	.7275280	.0716853
#3	.0071275	3.400571	5.758808	.0817997	.7272588	.0725290

Elem	Li6707
Units	ppm
Avg	.0892974
Stddev	.0030006
%RSD	3.360196
#1	.0873084
#2	.0878350
#3	.0927488

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2627.632	34302.98	2790.288	2268.205	1853.740
Stddev	11.175	112.73	19.994	7.455	3.440
%RSD	.4252964	.3286411	.7165398	.3286554	.1855703
#1	2640.038	34310.53	2779.761	2270.961	1857.712
#2	2618.354	34186.65	2777.759	2273.890	1851.707
#3	2624.503	34411.74	2813.346	2259.765	1851.802

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-04 Acquired: 12/23/2024 22:36:14 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLW8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1427876	-.073868	9.653890	.1028361	.0376128	63.73978
Stddev	.0058447	.003991	.021081	.0017979	.0030961	.14695
%RSD	4.093288	5.403183	.2183669	1.748326	8.231433	.2305406
#1	.1424416	-.078060	9.642274	.1037515	.0370669	63.88967
#2	.1487976	-.070114	9.641173	.1007647	.0348261	63.73369
#3	.1371235	-.073430	9.678224	.1039921	.0409456	63.59597

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.062252	.0086302	.0071100	345.7738	.0983754	.1185590
Stddev	.004632	.0000609	.0000469	1.3136	.0006015	.0001184
%RSD	.4360853	.7055158	.6592086	.3798979	.6114192	.0998763
#1	1.063746	.0085890	.0071575	346.5189	.0990582	.1184346
#2	1.065953	.0087001	.0071089	346.5454	.0979240	.1185722
#3	1.057057	.0086014	.0070638	344.2571	.0981439	.1186703

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2788841	229.2055	7.478671	91.19792	.1669571	.0048800
Stddev	.0055808	.4900	.033545	.04047	.0006140	.0010505
%RSD	2.001108	.2137770	.4485413	.0443746	.3677753	21.52752
#1	.2832965	229.5932	7.495966	91.20636	.1674432	.0060159
#2	.2807451	229.3685	7.500038	91.23350	.1662670	.0039434
#3	.2726106	228.6548	7.440008	91.15390	.1671609	.0046806

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-2.13755	.2199551	.6909282	4.849765	F 14.98746	.0120350
Stddev	.57880	.0069843	.0116173	.140796	.03538	.0018389
%RSD	27.07778	3.175323	1.681400	2.903160	.2360430	15.27967
#1	-1.77638	.2223335	.6779350	4.773720	14.96949	.0135870
#2	-2.80514	.2254396	.6945364	5.012232	14.96467	.0125141
#3	-1.83113	.2120923	.7003132	4.763343	15.02821	.0100040

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-04 Acquired: 12/23/2024 22:36:14 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLW8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0085419	2.843080	5.055193	2.487083	.6216371	.2137630
Stddev	.0001672	.005357	.022757	.011794	.0043106	.0016630
%RSD	1.957570	.1884206	.4501620	.4742288	.6934334	.7779825
#1	.0085285	2.839171	5.058179	2.482730	.6243572	.2145300
#2	.0087154	2.840882	5.076309	2.478084	.6238872	.2149042
#3	.0083818	2.849186	5.031091	2.500435	.6166670	.2118549

Elem	Li6707
Units	ppm
Avg	.0920543
Stddev	.0041760
%RSD	4.536439
#1	.0962811
#2	.0879310
#3	.0919506

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2556.973	33364.11	2800.420	2191.437	1769.107
Stddev	5.880	184.00	22.929	18.896	6.342
%RSD	.2299468	.5514874	.8187807	.8622435	.3584884
#1	2557.351	33350.48	2800.837	2188.512	1772.314
#2	2562.654	33187.31	2777.285	2174.174	1773.204
#3	2550.913	33554.55	2823.137	2211.624	1761.802

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-05 Acquired: 12/23/2024 22:40:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLW9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0547842	-.019091	.2674832	.0373978	.0260775	47.74921
Stddev	.0043628	.005914	.0055358	.0027529	.0021887	.29077
%RSD	7.963539	30.97653	2.069583	7.361243	8.392903	.6089516
#1	.0598219	-.014651	.2738732	.0386355	.0269320	47.47532
#2	.0522601	-.025804	.2644334	.0393146	.0235905	47.71797
#3	.0522706	-.016819	.2641430	.0342432	.0277100	48.05434

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6002432	.0050685	.0049021	F 834.7147	.0765877	.1197575
Stddev	.0029964	.0000960	.0000389	4.4547	.0008850	.0017220
%RSD	.4991901	1.894205	.7941181	.5336815	1.155586	1.437937
#1	.5988848	.0049837	.0048571	831.8732	.0769589	.1216417
#2	.5981667	.0051728	.0049239	832.4220	.0772267	.1182652
#3	.6036782	.0050491	.0049252	839.8488	.0755775	.1193657

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2919408	136.6027	8.406909	153.0011	.1536510	.0021935
Stddev	.0119777	1.3196	.055797	.9276	.0013526	.0011351
%RSD	4.102771	.9660174	.6637010	.6062471	.8802984	51.74891
#1	.2978595	135.1679	8.369630	152.1746	.1552123	.0024314
#2	.2781560	136.8760	8.380040	152.8243	.1528343	.0009583
#3	.2998070	137.7643	8.471056	154.0043	.1529064	.0031908

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.64606	.1384090	.5560528	6.232363	7.707822	.0340993
Stddev	.71031	.0059200	.0135482	.246209	.059775	.0021095
%RSD	43.15225	4.277140	2.436487	3.950500	.7755080	6.186282
#1	-2.34318	.1387018	.5712872	6.055732	7.776678	.0348666
#2	-.92325	.1323481	.5515160	6.127752	7.677545	.0357178
#3	-1.67176	.1441771	.5453553	6.513604	7.669245	.0317136

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-05 Acquired: 12/23/2024 22:40:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLW9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0039333	1.390153	4.878501	.0322288	.6347381	.6263464
Stddev	.0004858	.008669	.015941	.0013609	.0062376	.0031212
%RSD	12.35211	.6235991	.3267512	4.222548	.9826997	.4983117
#1	.0037382	1.397901	4.863123	.0313009	.6317688	.6260218
#2	.0044863	1.380790	4.894950	.0315945	.6419056	.6234003
#3	.0035753	1.391767	4.877430	.0337910	.6305398	.6296172

Elem	Li6707
Units	ppm
Avg	.0982341
Stddev	.0026536
%RSD	2.701343
#1	.0961668
#2	.0973091
#3	.1012265

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2314.754	30430.43	2587.219	1988.205	1644.626
Stddev	16.437	42.65	5.058	7.450	11.594
%RSD	.7100899	.1401424	.1955104	.3746951	.7049818
#1	2295.776	30437.08	2588.996	1985.576	1631.277
#2	2324.425	30384.84	2581.512	1982.427	1650.425
#3	2324.062	30469.35	2591.150	1996.613	1652.178

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-06 Acquired: 12/23/2024 22:43:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0771051	-.027045	.2481221	.0501872	.0318950	52.16426
Stddev	.0049754	.003235	.0022216	.0062616	.0005963	.10603
%RSD	6.452740	11.96112	.8953723	12.47646	1.869599	.2032557
#1	.0728428	-.028646	.2480653	.0450067	.0317030	52.19491
#2	.0759002	-.023322	.2503715	.0484093	.0325636	52.25159
#3	.0825723	-.029168	.2459294	.0571454	.0314183	52.04629

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6524105	.0058730	.0059738	F 1021.850	.0932470	.1405423
Stddev	.0027829	.0001656	.0001999	2.263	.0006246	.0008379
%RSD	.4265551	2.819640	3.345519	.2214686	.6698467	.5961816
#1	.6542146	.0058440	.0062044	1022.987	.0938329	.1395993
#2	.6538114	.0057238	.0058673	1023.319	.0925898	.1412011
#3	.6492055	.0060511	.0058498	1019.244	.0933184	.1408265

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3031377	163.8641	10.37709	124.0750	.1980021	.0028085
Stddev	.0053292	.2015	.01005	.0671	.0005728	.0005232
%RSD	1.758007	.1229586	.0968294	.0540553	.2893002	18.62824
#1	.3091176	163.6989	10.38234	123.9975	.1973436	.0022081
#2	.2988904	164.0885	10.38342	124.1140	.1983849	.0030501
#3	.3014052	163.8048	10.36550	124.1133	.1982779	.0031672

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.46431	.1333465	.5163537	8.879077	8.305110	.0477767
Stddev	.21539	.0009995	.0101748	.113469	.006441	.0034204
%RSD	14.70933	.7495771	1.970500	1.277932	.0775575	7.159206
#1	-1.62377	.1340491	.5052498	8.752371	8.299754	.0447045
#2	-1.21929	.1322022	.5185811	8.971314	8.303319	.0514623
#3	-1.54988	.1337881	.5252302	8.913546	8.312257	.0471633

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-06 Acquired: 12/23/2024 22:43:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0041405	1.346977	4.961373	.0335858	.7201781	.7283751
Stddev	.0000513	.002014	.056455	.0007355	.0041951	.0019342
%RSD	1.238850	.1495557	1.137882	2.190039	.5825054	.2655518
#1	.0041894	1.345051	5.019375	.0331180	.7176537	.7286568
#2	.0040871	1.346810	4.906605	.0332058	.7178598	.7301530
#3	.0041452	1.349070	4.958139	.0344336	.7250207	.7263154

Elem	Li6707
Units	ppm
Avg	.1118062
Stddev	.0015624
%RSD	1.397406
#1	.1125127
#2	.1128906
#3	.1100154

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2362.702	30775.65	2646.940	2014.000	1635.840
Stddev	4.843	181.92	20.648	11.451	1.143
%RSD	.2049919	.5911194	.7800658	.5685453	.0698464
#1	2363.736	30747.32	2623.424	2006.938	1635.334
#2	2357.425	30609.56	2662.101	2007.851	1635.038
#3	2366.945	30970.07	2655.296	2027.212	1637.148

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-07 Acquired: 12/23/2024 22:47:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0353452	-.041245	.0965248	.0663590	.0352646	61.70433
Stddev	.0015282	.003652	.0014280	.0028664	.0023426	.17656
%RSD	4.323553	8.855171	1.479362	4.319489	6.643031	.2861359
#1	.0371079	-.043864	.0948759	.0689669	.0378264	61.51592
#2	.0343936	-.037073	.0973573	.0632900	.0347360	61.73110
#3	.0345342	-.042798	.0973411	.0668199	.0332315	61.86597

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5763190	.0071286	.0062714	F 1053.153	.1251488	.1451551
Stddev	.0028093	.0000935	.0000629	2.284	.0003249	.0002925
%RSD	.4874503	1.312122	1.002931	.2168604	.2595971	.2015380
#1	.5741707	.0072067	.0061988	1050.643	.1251323	.1451017
#2	.5752883	.0070250	.0063059	1053.707	.1254816	.1448929
#3	.5794980	.0071542	.0063096	1055.108	.1248325	.1454707

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1716083	183.6615	10.84027	114.2197	.2374864	.0026205
Stddev	.0018069	.5588	.03526	.8070	.0017237	.0001907
%RSD	1.052891	.3042451	.3253007	.7065264	.7258252	7.278132
#1	.1729311	183.0165	10.80472	113.3346	.2357135	.0025057
#2	.1695496	183.9701	10.84085	114.4098	.2391564	.0025152
#3	.1723440	183.9980	10.87524	114.9146	.2375893	.0028407

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-2.39982	.1221693	.4085333	11.71959	7.284650	.0595368
Stddev	.48465	.0119542	.0114707	.12260	.010976	.0012981
%RSD	20.19544	9.784922	2.807773	1.046117	.1506722	2.180372
#1	-2.80950	.1085714	.4196866	11.64404	7.297324	.0593308
#2	-1.86481	.1310236	.3967696	11.65369	7.278195	.0609256
#3	-2.52515	.1269129	.4091437	11.86105	7.278433	.0583540

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-07 Acquired: 12/23/2024 22:47:43 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034409	.9288047	5.184219	.0316070	1.135414	.6966598
Stddev	.0008782	.0077495	.029967	.0007623	.007849	.0014265
%RSD	25.52303	.8343538	.5780402	2.411639	.6912887	.2047575
#1	.0030549	.9285808	5.192077	.0312997	1.141061	.6951788
#2	.0028219	.9211696	5.209473	.0324749	1.126451	.6967762
#3	.0044461	.9366638	5.151105	.0310464	1.138731	.6980245

Elem	Li6707
Units	ppm
Avg	.1500149
Stddev	.0042860
%RSD	2.857053
#1	.1500421
#2	.1457154
#3	.1542873

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2422.785	31652.12	2718.393	2073.322	1636.104
Stddev	7.939	123.73	14.701	11.484	3.327
%RSD	.3276684	.3909026	.5407997	.5538743	.2033471
#1	2424.698	31793.76	2734.333	2086.569	1634.687
#2	2414.065	31597.50	2705.367	2067.215	1633.720
#3	2429.593	31565.10	2715.480	2066.182	1639.905

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-08 Acquired: 12/23/2024 22:51:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0533443	-.031201	.1113599	.0527721	.0319111	54.14490
Stddev	.0018074	.004322	.0020460	.0015237	.0021489	.21920
%RSD	3.388236	13.85086	1.837262	2.887370	6.734104	.4048417
#1	.0522281	-.030065	.1125817	.0532282	.0329205	53.98968
#2	.0523751	-.027561	.1089978	.0540156	.0333694	54.04936
#3	.0554296	-.035977	.1125000	.0510724	.0294433	54.39565

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4064739	.0059809	.0046688	F 895.2444	.1017234	.1284044
Stddev	.0008339	.0000843	.0000994	1.7447	.0005558	.0011319
%RSD	.2051430	1.409905	2.128159	.1948888	.5464071	.8815089
#1	.4055424	.0060439	.0046601	895.5358	.1019931	.1296814
#2	.4067287	.0060138	.0045741	893.3723	.1010842	.1280071
#3	.4071506	.0058851	.0047722	896.8250	.1020929	.1275248

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3003221	161.8912	7.858746	118.1809	.1765127	.0029990
Stddev	.0066833	.9609	.034038	.6683	.0009493	.0012366
%RSD	2.225359	.5935581	.4331192	.5655270	.5377852	41.23327
#1	.2926181	161.4154	7.850300	117.9363	.1774956	.0042308
#2	.3045637	161.2610	7.829726	117.6694	.1764414	.0017577
#3	.3037845	162.9972	7.896211	118.9371	.1756011	.0030084

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-2.03282	.1297553	.3856623	8.745450	8.641663	.0419188
Stddev	.13536	.0082004	.0131619	.066926	.003286	.0036851
%RSD	6.658633	6.319918	3.412808	.7652680	.0380221	8.791066
#1	-1.87668	.1384223	.3713357	8.672748	8.641142	.0383626
#2	-2.10492	.1287249	.3884328	8.804493	8.645179	.0416733
#3	-2.11687	.1221188	.3972184	8.759109	8.638670	.0457206

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-08 Acquired: 12/23/2024 22:51:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX2 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032922	.8762476	4.233210	.0275110	1.232163	.7501889
Stddev	.0006999	.0110156	.014539	.0021829	.009654	.0022336
%RSD	21.26049	1.257136	.3434608	7.934825	.7835140	.2977405
#1	.0025433	.8748261	4.249136	.0269582	1.243197	.7523178
#2	.0034034	.8660117	4.220646	.0256576	1.228025	.7478636
#3	.0039299	.8879049	4.229849	.0299172	1.225268	.7503852

Elem	Li6707
Units	ppm
Avg	.1207158
Stddev	.0017855
%RSD	1.479051
#1	.1215034
#2	.1219720
#3	.1186720

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2368.340	30918.73	2638.407	2029.109	1639.784
Stddev	2.652	48.19	12.650	3.931	1.737
%RSD	.1119943	.1558544	.4794689	.1937122	.1059262
#1	2367.701	30864.16	2625.627	2033.280	1638.287
#2	2371.254	30936.59	2650.924	2025.474	1641.689
#3	2366.065	30955.43	2638.669	2028.573	1639.377

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-09 Acquired: 12/23/2024 22:55:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0730353	-.074087	.3950149	.0920656	.0411038	90.29365	.7107760
Stddev	.0023095	.002303	.0009074	.0030883	.0043557	.17446	.0015457
%RSD	3.162173	3.107933	.2297213	3.354461	10.59692	.1932121	.2174709
#1	.0707073	-.071635	.3943408	.0955057	.0435019	90.09465	.7123111
#2	.0753258	-.076203	.3960467	.0895321	.0437334	90.42026	.7107971
#3	.0730729	-.074422	.3946572	.0911589	.0360760	90.36603	.7092199

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0075486	.0046807	47.56929	.1672687	.1026742	.1433314	177.3441
Stddev	.0000128	.0001274	.07711	.0005455	.0006197	.0044898	.3347
%RSD	.1694748	2.722288	.1620966	.3261319	.6035689	3.132446	.1887176
#1	.0075625	.0045533	47.49361	.1678332	.1020377	.1455098	177.0537
#2	.0075458	.0048081	47.64775	.1672286	.1027092	.1463164	177.2685
#3	.0075374	.0046807	47.56650	.1667444	.1032756	.1381680	177.7101

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.225655	30.17039	.2416497	.0035861	-1.86590	.1977452	.6292569
Stddev	.011606	.05372	.0003685	.0010633	1.00150	.0073657	.0163059
%RSD	.1864276	.1780691	.1525108	29.65191	53.67399	3.724842	2.591293
#1	6.212937	30.11283	.2412408	.0046166	-.82379	.1983841	.6231161
#2	6.228353	30.21921	.2417520	.0024927	-1.95277	.2047707	.6169129
#3	6.235674	30.17912	.2419563	.0036489	-2.82114	.1900809	.6477415

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.912533	9.560969	.0140949	.0110743	3.342920	6.580991	.0382162
Stddev	.063997	.011865	.0039685	.0007209	.011383	.058696	.0012911
%RSD	.6456151	.1240984	28.15550	6.509479	.3405137	.8918973	3.378306
#1	9.849001	9.559269	.0186689	.0103059	3.330713	6.571964	.0384397
#2	9.976985	9.550046	.0120472	.0111812	3.344805	6.643678	.0393810
#3	9.911613	9.573593	.0115684	.0117358	3.353244	6.527333	.0368281

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-09 Acquired: 12/23/2024 22:55:24 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.006871	-.081169	.0928139
Stddev	.006266	.000574	.0025434
%RSD	.6223719	.7070469	2.740355
#1	.999636	-.081179	.0928072
#2	1.010610	-.080590	.0953606
#3	1.010366	-.081738	.0902738

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2335.901	30536.17	2488.502	2011.201	1845.947
Stddev	5.812	80.67	15.136	7.441	1.524
%RSD	.2487959	.2641749	.6082343	.3699928	.0825703
#1	2339.529	30451.65	2488.736	2009.396	1846.002
#2	2329.198	30612.34	2473.251	2019.378	1844.396
#3	2338.976	30544.53	2503.520	2004.828	1847.443

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-10 Acquired: 12/23/2024 22:59:14 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0878537	-.088408	.3894176	.1210713	.0475293	103.4858	.8072429
Stddev	.0021802	.004325	.0052581	.0022543	.0033490	.5542	.0044979
%RSD	2.481642	4.892362	1.350238	1.861968	7.046232	.5355340	.5571968
#1	.0903485	-.083642	.3919825	.1232843	.0490342	102.8577	.8028217
#2	.0863146	-.092083	.3833693	.1187778	.0436918	103.9060	.8118138
#3	.0868978	-.089501	.3929010	.1211518	.0498619	103.6937	.8070931

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0087758	.0053408	37.71669	.1697663	.1155199	.1330901	215.9796
Stddev	.0001612	.0001506	.15631	.0011437	.0002727	.0012694	1.4058
%RSD	1.837390	2.820386	.4144399	.6736895	.2360362	.9537587	.6509051
#1	.0088652	.0055137	37.54088	.1693958	.1153523	.1331556	214.3695
#2	.0085896	.0052701	37.76922	.1688537	.1158345	.1317893	216.9636
#3	.0088725	.0052384	37.83997	.1710493	.1153728	.1343255	216.6057

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.538702	31.09520	.2400843	.0046782	-1.28275	.2407270	.5604998
Stddev	.068341	.22556	.0002097	.0003835	.84573	.0020325	.0043393
%RSD	.7164575	.7253774	.0873599	8.198294	65.93112	.8443171	.7741926
#1	9.461772	30.89823	.2403180	.0049996	-.72305	.2403248	.5646733
#2	9.592391	31.34126	.2399125	.0042536	-2.25565	.2429306	.5608143
#3	9.561944	31.04611	.2400222	.0047814	-.86955	.2389257	.5560117

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.623292	9.514320	.0028015	.0114429	2.391346	6.868437	.0419234
Stddev	.160526	.007856	.0039418	.0004603	.002656	.027348	.0017564
%RSD	2.105733	.0825736	140.7013	4.022315	.1110802	.3981718	4.189556
#1	7.459043	9.520580	-.000030	.0109382	2.393528	6.840064	.0400591
#2	7.631016	9.505504	.001131	.0115508	2.392122	6.894630	.0421638
#3	7.779817	9.516877	.007303	.0118396	2.388388	6.870617	.0435472

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-10 Acquired: 12/23/2024 22:59:14 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	1.033718	-.128041	.1050400
Stddev	.002142	.001579	.0015943
%RSD	.2072096	1.232980	1.517804
#1	1.033013	-.126541	.1068332
#2	1.032017	-.129688	.1037827
#3	1.036124	-.127893	.1045041

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2360.843	30571.09	2495.867	2022.779	1864.086
Stddev	1.754	54.11	15.250	2.863	2.010
%RSD	.0742788	.1769858	.6110185	.1415391	.1078388
#1	2360.355	30633.56	2513.402	2021.620	1862.009
#2	2359.385	30538.94	2488.501	2026.040	1864.225
#3	2362.789	30540.78	2485.698	2020.677	1866.022

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-11 Acquired: 12/23/2024 23:03:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0963772	-.086069	.5014363	.1101824	.0441414	102.2488	.8000357
Stddev	.0052185	.001474	.0036269	.0026246	.0027180	.4473	.0030940
%RSD	5.414638	1.712443	.7233040	2.382077	6.157508	.4375063	.3867374
#1	.0904889	-.085692	.5036164	.1077454	.0465405	102.2871	.7991138
#2	.1004298	-.084820	.4972495	.1129612	.0446943	101.7836	.7975074
#3	.0982128	-.087694	.5034431	.1098406	.0411895	102.6759	.8034859

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0087120	.0053555	41.64867	.1522429	.1247000	.1626553	205.6162
Stddev	.0000722	.0000750	.14508	.0009427	.0001374	.0045604	.7814
%RSD	.8283856	1.400641	.3483531	.6192365	.1101549	2.803739	.3800059
#1	.0087263	.0052842	41.58562	.1516098	.1248582	.1590607	205.4779
#2	.0086337	.0054338	41.54578	.1533264	.1246111	.1611200	204.9133
#3	.0087759	.0053487	41.81461	.1517926	.1246306	.1677853	206.4575

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.190605	33.16122	.2124036	.0045595	-1.67639	.2250567	.6818779
Stddev	.026465	.23375	.0010734	.0005061	1.04219	.0024311	.0018822
%RSD	.3231189	.7048992	.5053771	11.09977	62.16893	1.080217	.2760312
#1	8.199125	33.25572	.2111766	.0051355	-.84865	.2222666	.6801887
#2	8.160929	32.89502	.2131693	.0041860	-2.84677	.2267202	.6815381
#3	8.211760	33.33293	.2128648	.0043570	-1.33376	.2261832	.6839068

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.785812	7.926587	.0012577	.0089981	1.655950	7.270712	.0449818
Stddev	.126577	.002731	.0016623	.0005935	.008715	.050480	.0024809
%RSD	1.865321	.0344565	132.1773	6.595620	.5262960	.6942894	5.515423
#1	6.851908	7.926180	-.000634	.0089072	1.661846	7.310759	.0444165
#2	6.639869	7.924083	.001924	.0084554	1.645940	7.214009	.0428323
#3	6.865658	7.929499	.002483	.0096318	1.660066	7.287369	.0476966

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-11 Acquired: 12/23/2024 23:03:05 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8699301	-.117307	.1004055
Stddev	.0042183	.000258	.0024092
%RSD	.4849040	.2197624	2.399504
#1	.8698967	-.117103	.0982847
#2	.8657286	-.117221	.1030251
#3	.8741651	-.117597	.0999068

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2388.885	31137.61	2547.842	2061.204	1868.381
Stddev	2.033	32.40	24.154	.893	1.393
%RSD	.0851163	.1040526	.9480159	.0433107	.0745484
#1	2388.657	31141.11	2527.691	2061.243	1867.097
#2	2391.022	31168.12	2574.617	2060.292	1868.184
#3	2386.975	31103.61	2541.218	2062.076	1869.862

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-12 Acquired: 12/23/2024 23:06:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1001279	-.047963	.5726876	.0729702	.0378912	71.41938	.7973299
Stddev	.0043021	.003014	.0024217	.0029318	.0008748	.51110	.0034680
%RSD	4.296552	6.285080	.4228599	4.017763	2.308808	.7156311	.4349493
#1	.1012117	-.045063	.5746335	.0757108	.0387854	70.82925	.7934259
#2	.0953876	-.047745	.5734538	.0698788	.0378509	71.72010	.7985097
#3	.1037844	-.051080	.5699756	.0733209	.0370371	71.70879	.8000540

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0069816	.0054391	247.5886	.1282999	.1250098	.2497851	169.3473
Stddev	.0001131	.0000243	1.1049	.0002452	.0007836	.0058864	1.1616
%RSD	1.619586	.4472538	.4462541	.1911490	.6268571	2.356592	.6859485
#1	.0069868	.0054130	246.3540	.1283073	.1252914	.2514117	168.0247
#2	.0070920	.0054432	248.4842	.1285414	.1256137	.2546871	170.2020
#3	.0068660	.0054611	247.9277	.1280511	.1241243	.2432564	169.8152

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.046442	52.76384	.1790385	.0034306	-.934814	.1672522	.6383470
Stddev	.053394	.43683	.0008003	.0014744	.325199	.0074051	.0042889
%RSD	.6635717	.8278935	.4470049	42.97815	34.78758	4.427524	.6718822
#1	7.985637	52.26233	.1799194	.0042641	-.877582	.1749234	.6343943
#2	8.068008	52.96782	.1788398	.0042995	-1.28483	.1601454	.6429074
#3	8.085679	53.06136	.1783562	.0017282	-.64203	.1666878	.6377393

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.826735	9.462802	.0160809	.0066022	1.365753	5.851078	.0581787
Stddev	.057084	.022388	.0001128	.0005971	.002442	.038299	.0012580
%RSD	.9796925	.2365943	.7014392	9.043946	.1788024	.6545673	2.162281
#1	5.864980	9.480587	.0161902	.0062826	1.364101	5.839457	.0568048
#2	5.761120	9.470158	.0160876	.0062330	1.368558	5.893842	.0592742
#3	5.854106	9.437661	.0159649	.0072911	1.364599	5.819936	.0584570

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-12 Acquired: 12/23/2024 23:06:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX6 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6949049	.1411396	.0911832
Stddev	.0065879	.0008973	.0028929
%RSD	.9480277	.6357910	3.172601
#1	.6906495	.1419215	.0878482
#2	.7024933	.1413374	.0926863
#3	.6915719	.1401598	.0930151

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2605.989	33855.51	2796.786	2226.061	1806.464
Stddev	10.014	35.46	15.618	3.441	6.005
%RSD	.3842617	.1047246	.5584183	.1545723	.3324330
#1	2604.811	33884.58	2796.942	2223.039	1805.593
#2	2596.617	33816.01	2781.091	2225.340	1800.942
#3	2616.540	33865.94	2812.325	2229.806	1812.857

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-13 Acquired: 12/23/2024 23:10:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1130518	-.044188	.8929207	.0707811	.0367398	70.82330	.8913011
Stddev	.0070725	.008255	.0038546	.0049061	.0009986	.30398	.0036393
%RSD	6.255939	18.68068	.4316847	6.931370	2.717919	.4292053	.4083160
#1	.1178967	-.036308	.8902416	.0653843	.0375791	70.49131	.8873339
#2	.1049359	-.052772	.8973384	.0719875	.0356355	70.89062	.8920845
#3	.1163226	-.043486	.8911821	.0749715	.0370049	71.08798	.8944850

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0070209	.0059412	262.5442	.1442834	.1283041	.3156986	165.9798
Stddev	.0000648	.0000817	.7195	.0004414	.0001000	.0058829	.8058
%RSD	.9228915	1.374712	.2740469	.3059103	.0779129	1.863443	.4854518
#1	.0069501	.0060247	261.8096	.1447573	.1282321	.3180820	165.0808
#2	.0070353	.0059375	262.5754	.1442089	.1284182	.3089980	166.2214
#3	.0070772	.0058615	263.2475	.1438840	.1282619	.3200157	166.6370

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.224273	61.84611	.1776006	.0041925	-1.65856	.1692122	.7127513
Stddev	.025676	.28249	.0001301	.0010385	.28630	.0054535	.0090290
%RSD	.3121956	.4567707	.0732598	24.77069	17.26204	3.222854	1.266779
#1	8.199937	61.70170	.1776224	.0030155	-1.46624	.1651571	.7221271
#2	8.221777	61.66501	.1774610	.0045823	-1.98759	.1754120	.7041146
#3	8.251106	62.17162	.1777184	.0049798	-1.52185	.1670675	.7120122

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.613849	7.550316	.0172211	.0062468	1.191821	5.844110	.1035330
Stddev	.113942	.008399	.0020477	.0001935	.005525	.082858	.0015808
%RSD	2.029666	.1112382	11.89073	3.096910	.4636015	1.417797	1.526830
#1	5.545370	7.556503	.0190333	.0064557	1.196774	5.784772	.1024030
#2	5.745381	7.540755	.0149997	.0062109	1.185862	5.808783	.1053394
#3	5.550796	7.553690	.0176304	.0060738	1.192828	5.938777	.1028566

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-13 Acquired: 12/23/2024 23:10:45 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6840110	.1490150	.0895263
Stddev	.0035229	.0002240	.0020123
%RSD	.5150395	.1503267	2.247755
#1	.6817862	.1491833	.0916897
#2	.6880728	.1487608	.0877103
#3	.6821740	.1491009	.0891789

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2543.662	33106.55	2751.754	2183.503	1786.160
Stddev	7.625	244.58	16.942	16.897	4.240
%RSD	.2997533	.7387559	.6156666	.7738328	.2373805
#1	2540.339	32925.15	2761.343	2174.960	1784.212
#2	2538.263	33009.79	2761.726	2172.585	1783.244
#3	2552.384	33384.70	2732.193	2202.966	1791.024

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-14 Acquired: 12/23/2024 23:14:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX7D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1051973	-.043341	.8994499	.0647070	.0359378	70.70475	.8883000
Stddev	.0066586	.000616	.0046410	.0011132	.0038340	.24054	.0036879
%RSD	6.329598	1.421402	.5159774	1.720323	10.66828	.3402012	.4151686
#1	.1025972	-.042693	.8948711	.0656741	.0350186	70.43521	.8859659
#2	.1127636	-.043413	.8993280	.0649568	.0401478	70.78146	.8863825
#3	.1002311	-.043918	.9041506	.0634902	.0326471	70.89758	.8925517

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0068883	.0059806	262.3780	.1444198	.1292725	.3142305	165.6493
Stddev	.0000617	.0000734	1.0716	.0004335	.0005565	.0098450	.9407
%RSD	.8951036	1.226798	.4084369	.3001708	.4304577	3.133046	.5678966
#1	.0069155	.0059909	261.4563	.1440477	.1289110	.3030765	164.7395
#2	.0069316	.0060483	262.1237	.1448958	.1299133	.3217086	165.5904
#3	.0068177	.0059026	263.5539	.1443160	.1289933	.3179065	166.6181

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.210890	61.40736	.1784541	.0024461	-1.50736	.1641234	.7213748
Stddev	.031780	.57578	.0006478	.0010269	.42383	.0017827	.0127798
%RSD	.3870424	.9376437	.3629829	41.97989	28.11720	1.086178	1.771586
#1	8.179303	60.75299	.1778354	.0033102	-1.91806	.1649686	.7087465
#2	8.210509	61.63273	.1791274	.0027173	-1.53250	.1653263	.7210771
#3	8.242859	61.83638	.1783996	.0013109	-1.07152	.1620753	.7343009

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.702065	7.577835	.0184782	.0058463	1.202880	5.888700	.1022346
Stddev	.087046	.015356	.0010826	.0006978	.002370	.031838	.0013563
%RSD	1.526573	.2026483	5.858925	11.93622	.1970563	.5406575	1.326645
#1	5.617114	7.576606	.0175283	.0050407	1.204127	5.912551	.1018855
#2	5.698017	7.563130	.0196569	.0062366	1.200147	5.852547	.1037314
#3	5.791065	7.593769	.0182493	.0062616	1.204367	5.901003	.1010870

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-14 Acquired: 12/23/2024 23:14:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX7D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6885892	.1500878	.0877399
Stddev	.0009309	.0010112	.0022147
%RSD	.1351867	.6737398	2.524174
#1	.6880367	.1493522	.0894554
#2	.6896639	.1496702	.0885246
#3	.6880669	.1512409	.0852397

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2552.874	33271.20	2762.903	2187.797	1787.724
Stddev	1.673	46.20	11.243	1.744	3.702
%RSD	.0655502	.1388605	.4069170	.0797095	.2070752
#1	2554.576	33301.38	2754.118	2189.254	1788.809
#2	2551.231	33294.21	2775.573	2188.273	1790.763
#3	2552.817	33218.01	2759.018	2185.865	1783.601

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCV027 Acquired: 12/23/2024 23:18:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV027 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.134247	4.831324	24.73068	4.992627	5.007383	408.2828	10.35343
Stddev	.027762	.008848	.04918	.006287	.009352	5.1234	.13220
%RSD	.5407295	.1831354	.1988426	.1259297	.1867702	1.254876	1.276920
#1	5.102218	4.841540	24.69611	4.985653	5.016253	404.8201	10.28269
#2	5.151427	4.826249	24.70895	4.994368	4.997614	405.8600	10.27164
#3	5.149096	4.826181	24.78698	4.997860	5.008280	414.1683	10.50595

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5068945	2.490818	412.4062	15.57077	2.521134	15.19583	415.1253
Stddev	.0060499	.004434	5.0656	.01722	.001010	.17933	5.2823
%RSD	1.193517	.1780179	1.228293	.1105599	.0400424	1.180144	1.272470
#1	.5025985	2.489304	409.1093	15.58714	2.520594	15.08374	411.5303
#2	.5042717	2.487340	409.8704	15.55282	2.520509	15.10110	412.6555
#3	.5138131	2.495811	418.2389	15.57234	2.522298	15.40267	421.1901

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.30610	410.0791	2.505834	1.312017	406.4521	2.563637	15.25358
Stddev	.19771	5.3061	.004705	.002105	5.6888	.028715	.08240
%RSD	1.291725	1.293930	.1877649	.1604337	1.399621	1.120106	.5402283
#1	15.17772	406.9621	2.502839	1.310195	403.7554	2.544149	15.16306
#2	15.20680	407.0693	2.503406	1.314321	402.6130	2.550148	15.27341
#3	15.53378	416.2057	2.511257	1.311536	412.9877	2.596613	15.32425

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	151.0336	4.992910	4.908480	4.937048	5.027595	4.786693	5.013626
Stddev	1.7537	.006471	.053060	.003736	.006033	.055166	.018508
%RSD	1.161111	.1296049	1.080983	.0756646	.1199916	1.152491	.3691494
#1	149.8822	4.986780	4.870837	4.938755	5.024182	4.744276	5.001812
#2	150.1667	4.992275	4.885438	4.932764	5.024041	4.766744	5.004111
#3	153.0519	4.999675	4.969166	4.939625	5.034560	4.849058	5.034956

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCV027 Acquired: 12/23/2024 23:18:25 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV027 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	5.035468	4.804044	5.124061
Stddev	.048620	.053194	.068207
%RSD	.9655573	1.107272	1.331120
#1	4.997637	4.768996	5.082307
#2	5.018459	4.777885	5.087105
#3	5.090308	4.865253	5.202772

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1801.077	24541.87	2119.487	1531.261	1572.919
Stddev	8.091	56.41	21.953	11.424	6.372
%RSD	.4492459	.2298455	1.035769	.7460646	.4051138
#1	1792.957	24583.48	2141.356	1543.220	1568.027
#2	1809.139	24477.67	2119.656	1520.460	1580.125
#3	1801.134	24564.47	2097.451	1530.104	1570.606

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCB027 Acquired: 12/23/2024 23:22:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB027 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002994	-.000594	.0038945	.0029315	.0003630	.0463184	-.002042
Stddev	.004184	.002179	.0009598	.0036568	.0025037	.0049582	.000985
%RSD	139.7482	367.0749	24.64465	124.7427	689.7233	10.70460	48.25223
#1	-.007715	.000272	.0047535	-.000903	.0008294	.0512545	-.001973
#2	-.001521	-.003072	.0028585	.003318	.0026007	.0463624	-.001092
#3	.000255	.001020	.0040716	.006379	-.002341	.0413384	-.003059

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000294	.0000336	-.006613	.0002847	-.000212	-.001413	.0532717
Stddev	.0000936	.0000910	.013770	.0008141	.000245	.003089	.0486789
%RSD	318.1756	270.5728	208.2313	285.9917	115.4896	218.5403	91.37847
#1	.0000404	.0001042	-.006604	-.000169	-.000348	-.004491	.1049556
#2	.0001171	.0000656	.007153	.001225	-.000359	-.001436	.0465664
#3	-.000069	-.000069	-.020387	-.000202	.000071	.001687	.0082931

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023871	.0337687	.0007117	-.000572	-2.03230	.0022200	.0091044
Stddev	.0002837	.0300558	.0004696	.001958	.89042	.0037584	.0148191
%RSD	11.88347	89.00503	65.98495	342.3143	43.81363	169.2979	162.7698
#1	.0020778	.0293941	.0007881	.001558	-1.83960	.0008413	.0202332
#2	.0024482	.0657720	.0011384	-.002293	-1.25400	.0064730	-.007717
#3	.0026352	.0061398	.0002085	-.000980	-3.00329	-.000654	.014797

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.00189	.0006716	.0055887	.0007563	-.005203	-.084372	.0004271
Stddev	.18743	.0009926	.0036730	.0007823	.003086	.000104	.0013345
%RSD	18.70739	147.7999	65.72227	103.4365	59.30064	.1227271	312.4174
#1	-1.00829	.0017376	.0040423	.0008349	-.007692	-.084257	.0002395
#2	-1.18604	-.000226	.0097821	-.000062	-.001751	-.084458	.0018455
#3	-.81135	.000503	.0029417	.001496	-.006167	-.084402	-.000804

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCB027 Acquired: 12/23/2024 23:22:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB027 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0003098	.0000895	.0001458
Stddev	.0029751	.0002257	.0014647
%RSD	960.4039	252.3096	1004.460
#1	.0021966	-.000169	.0001639
#2	-.003120	.000190	-.001328
#3	.001853	.000247	.001601

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2074.871	26648.28	2180.870	1758.210	1871.116
Stddev	11.281	158.89	35.485	6.572	10.577
%RSD	.5436758	.5962396	1.627099	.3738147	.5652730
#1	2063.942	26803.65	2221.492	1765.598	1860.228
#2	2086.473	26655.09	2155.919	1756.019	1881.351
#3	2074.196	26486.10	2165.198	1753.012	1871.770

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-13LX5 Acquired: 12/23/2024 23:26:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX7L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0135714	-.005786	.1862854	.0105003	.0078271	16.66757	.2093570
Stddev	.0081804	.003286	.0018408	.0019664	.0017973	.02009	.0002629
%RSD	60.27720	56.79292	.9881576	18.72753	22.96199	.1205054	.1255862
#1	.0211493	-.002015	.1842865	.0096138	.0096587	16.68959	.2092095
#2	.0146662	-.007312	.1879108	.0091332	.0060663	16.66285	.2092009
#3	.0048987	-.008033	.1866590	.0127540	.0077562	16.65026	.2096605

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016540	.0010791	62.73071	.0341532	.0413713	.0766804	39.87276
Stddev	.0001073	.0000848	.08373	.0001286	.0003700	.0008047	.17132
%RSD	6.484280	7.861441	.1334828	.3764371	.8943326	1.049409	.4296715
#1	.0016419	.0010661	62.77672	.0342070	.0409599	.0764321	40.02692
#2	.0017669	.0010016	62.63406	.0340065	.0414772	.0760291	39.90305
#3	.0015534	.0011697	62.78135	.0342462	.0416767	.0775800	39.68832

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.969799	14.72037	.0348892	.0000828	-1.93879	.0387857	.1680300
Stddev	.005599	.06122	.0000230	.0010343	.65785	.0037413	.0128646
%RSD	.2842598	.4158713	.0659128	1249.708	33.93080	9.646098	7.656120
#1	1.963854	14.69900	.0349017	.0012765	-2.40480	.0400672	.1541792
#2	1.974972	14.78941	.0349031	-.000482	-1.18628	.0345720	.1703063
#3	1.970573	14.67270	.0348626	-.000546	-2.22530	.0417178	.1796044

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5117025	1.503852	.0037372	.0036574	.2481820	1.444757	.0223886
Stddev	.0826878	.002893	.0007022	.0006029	.0044032	.006829	.0004793
%RSD	16.15936	.1923539	18.78851	16.48293	1.774184	.4726443	2.140609
#1	.5193677	1.500541	.0031440	.0035884	.2431096	1.439214	.0228464
#2	.4254490	1.505128	.0045125	.0042918	.2504167	1.452385	.0224288
#3	.5902909	1.505888	.0035551	.0030921	.2510198	1.442672	.0218905

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-13LX5 Acquired: 12/23/2024 23:26:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX7L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1683348	.0349702	.0206611
Stddev	.0008760	.0002764	.0028565
%RSD	.5203789	.7903014	13.82572
#1	.1673629	.0351727	.0200237
#2	.1690635	.0350825	.0181771
#3	.1685779	.0346554	.0237825

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2190.493	28464.04	2327.053	1876.148	1854.386
Stddev	6.911	17.72	6.835	10.768	3.386
%RSD	.3154915	.0622540	.2937089	.5739473	.1825799
#1	2183.259	28458.16	2328.621	1880.443	1850.548
#2	2191.194	28450.01	2319.570	1884.106	1855.660
#3	2197.027	28483.95	2332.967	1863.895	1856.950

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-15 Acquired: 12/23/2024 23:30:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX7S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1902649	.0427850	.9453593	.2087987	.1801304	74.48413	4.106924
Stddev	.0045859	.0017487	.0076494	.0045877	.0019991	1.08855	.056621
%RSD	2.410259	4.087225	.8091574	2.197210	1.109790	1.461450	1.378664
#1	.1951043	.0427563	.9505193	.2064941	.1781225	73.22799	4.041726
#2	.1859836	.0410509	.9489878	.2058202	.1801481	75.07327	4.135313
#3	.1897069	.0445480	.9365709	.2140819	.1821205	75.15114	4.143735

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0859195	.1021332	264.0802	.4843777	1.097989	.6911348	167.9075
Stddev	.0008169	.0005679	3.3316	.0005728	.006654	.0118018	2.4358
%RSD	.9508230	.5560810	1.261572	.1182647	.6060213	1.707593	1.450689
#1	.0853206	.1025283	260.2334	.4838455	1.104420	.6799688	165.1028
#2	.0855878	.1023889	265.9691	.4843037	1.098414	.6899522	169.1272
#3	.0868501	.1014823	266.0379	.4849840	1.091132	.7034833	169.4925

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.048547	61.68169	1.154778	.0601469	-.906451	.9753235	1.470320
Stddev	.120009	.94339	.007372	.0000553	.822034	.0127641	.018297
%RSD	1.326278	1.529442	.6383892	.0919499	90.68710	1.308708	1.244389
#1	8.910192	60.60529	1.161031	.0601013	-.771942	.9617498	1.473943
#2	9.110978	62.36478	1.156655	.0602084	-1.78744	.9870841	1.486534
#3	9.124472	62.07502	1.146650	.0601311	-.15997	.9771366	1.450483

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.716243	7.627418	.0239255	.0062007	1.208823	6.133679	.1063904
Stddev	.071028	.029075	.0015807	.0002945	.011373	.062092	.0003290
%RSD	1.242561	.3811941	6.606960	4.749559	.9408674	1.012312	.3092472
#1	5.634593	7.646000	.0249788	.0065163	1.214373	6.064897	.1062311
#2	5.750369	7.642343	.0221078	.0059331	1.216357	6.150546	.1067688
#3	5.763768	7.593911	.0246898	.0061529	1.195740	6.185595	.1061714

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-15 Acquired: 12/23/2024 23:30:00 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX7S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7039503	.1516547	.0937198
Stddev	.0156897	.0021520	.0030458
%RSD	2.228814	1.418990	3.249908
#1	.6891470	.1491708	.0905318
#2	.7203971	.1529562	.0966000
#3	.7023069	.1528371	.0940277

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2512.642	32838.25	2732.918	2153.315	1757.723
Stddev	11.651	69.96	24.760	9.119	11.027
%RSD	.4636839	.2130589	.9059864	.4234692	.6273269
#1	2505.591	32899.26	2760.091	2147.675	1751.020
#2	2506.245	32761.88	2727.033	2148.435	1751.700
#3	2526.089	32853.60	2711.632	2163.835	1770.450

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-16 Acquired: 12/23/2024 23:33:46 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0771944	-.033805	.5148124	.0614124	.0341648	63.49179	.7458088
Stddev	.0033420	.001615	.0033809	.0033634	.0007031	.27033	.0042277
%RSD	4.329276	4.776460	.6567201	5.476818	2.057845	.4257748	.5668607
#1	.0739272	-.034505	.5163654	.0583580	.0347744	63.20474	.7416007
#2	.0770495	-.034952	.5171377	.0650171	.0343242	63.74153	.7500558
#3	.0806064	-.031959	.5109340	.0608620	.0333957	63.52910	.7457699

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0061303	.0046537	348.3512	.0977863	.1201596	.2494750	155.8333
Stddev	.0000909	.0000854	1.2666	.0005445	.0009218	.0062167	.7895
%RSD	1.482419	1.835383	.3635924	.5567707	.7671724	2.491910	.5066377
#1	.0061702	.0047420	347.4294	.0978016	.1198851	.2449512	155.3011
#2	.0060263	.0045715	349.7954	.0983230	.1211875	.2565637	156.7404
#3	.0061945	.0046477	347.8288	.0972344	.1194062	.2469100	155.4584

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.128644	64.76375	.1621772	.0019224	-1.54381	.1489358	.5249550
Stddev	.033122	.29729	.0010554	.0007631	.57274	.0025970	.0081458
%RSD	.4074780	.4590442	.6507820	39.69907	37.09897	1.743732	1.551715
#1	8.093206	64.53764	.1631628	.0028029	-1.84138	.1486093	.5321462
#2	8.158822	65.10050	.1623051	.0014522	-.88354	.1516807	.5266100
#3	8.133904	64.65310	.1610636	.0015120	-1.90651	.1465174	.5161088

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.081329	6.100885	.0225430	.0054785	.9957496	5.057933	.0575220
Stddev	.101909	.004079	.0009987	.0006516	.0033041	.000670	.0015766
%RSD	2.005560	.0668621	4.430298	11.89367	.3318170	.0132549	2.740940
#1	4.978776	6.096851	.0227189	.0052425	.9956779	5.058278	.0563869
#2	5.182582	6.100797	.0234420	.0049778	.9924819	5.057160	.0568569
#3	5.082628	6.105008	.0214680	.0062152	.9990889	5.058360	.0593222

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-16 Acquired: 12/23/2024 23:33:46 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7417377	.2662889	.0896884
Stddev	.0098395	.0017275	.0018346
%RSD	1.326543	.6487470	2.045576
#1	.7374078	.2647563	.0904991
#2	.7529996	.2681610	.0909780
#3	.7348058	.2659493	.0875880

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2533.376	33234.46	2759.793	2186.103	1751.747
Stddev	3.589	45.22	6.957	3.272	3.968
%RSD	.1416779	.1360745	.2520855	.1496850	.2265082
#1	2532.377	33243.80	2762.095	2188.683	1750.178
#2	2530.393	33185.30	2751.977	2182.423	1748.804
#3	2537.359	33274.29	2765.307	2187.204	1756.260

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-17 Acquired: 12/23/2024 23:37:36 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0622758	-.032289	.2004435	.0530078	.0273583	60.84724	.6522445
Stddev	.0043982	.004081	.0025312	.0007580	.0013974	.28202	.0043569
%RSD	7.062385	12.63943	1.262794	1.429906	5.107647	.4634815	.6679915
#1	.0651124	-.027619	.2021537	.0530712	.0280227	61.17142	.6569517
#2	.0645056	-.035171	.1975357	.0537320	.0257526	60.65843	.6483532
#3	.0572093	-.034077	.2016410	.0522201	.0282994	60.71186	.6514286

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058842	.0041912	442.3074	.0887788	.1144111	.2291993	145.0795
Stddev	.0001884	.0000823	1.7581	.0003644	.0007137	.0028314	.4689
%RSD	3.200908	1.964330	.3974750	.4104392	.6238000	1.235362	.3232208
#1	.0058176	.0041049	444.3346	.0887494	.1144392	.2314885	145.6175
#2	.0057382	.0041997	441.2010	.0891570	.1151104	.2300763	144.8636
#3	.0060968	.0042689	441.3865	.0884301	.1136838	.2260332	144.7574

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.680761	98.06852	.1460971	.0008927	-2.06698	.1388666	.3767273
Stddev	.022247	.33425	.0003859	.0005851	.25385	.0047837	.0120646
%RSD	.2896490	.3408344	.2641218	65.53762	12.28133	3.444840	3.202476
#1	7.706446	98.44780	.1462691	.0011633	-1.93497	.1408613	.3906251
#2	7.667553	97.94079	.1456551	.0002214	-1.90634	.1334083	.3706108
#3	7.668283	97.81697	.1463671	.0012936	-2.35964	.1423301	.3689459

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.733468	5.785490	.0244095	.0041908	.8539660	4.983425	.0274792
Stddev	.173574	.017128	.0021175	.0002352	.0149541	.031240	.0006836
%RSD	3.666957	.2960538	8.674895	5.611835	1.751133	.6268733	2.487654
#1	4.739107	5.768066	.0226728	.0041384	.8367124	5.018134	.0282677
#2	4.904154	5.786098	.0237874	.0039863	.8619935	4.974578	.0271163
#3	4.557143	5.802307	.0267684	.0044478	.8631922	4.957562	.0270535

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-17 Acquired: 12/23/2024 23:37:36 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLX9 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.7389716	.2706107	.0833107
Stddev	.0044904	.0011918	.0015024
%RSD	.6076527	.4404006	1.803304
#1	.7432600	.2718646	.0819325
#2	.7343034	.2694928	.0849122
#3	.7393514	.2704747	.0830874

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2520.973	32903.34	2764.575	2159.429	1717.983
Stddev	4.468	155.54	19.362	8.561	3.034
%RSD	.1772370	.4727216	.7003694	.3964323	.1766148
#1	2520.595	33051.39	2745.660	2164.091	1718.870
#2	2525.619	32741.26	2763.710	2149.549	1720.475
#3	2516.706	32917.38	2784.356	2164.646	1714.604

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-18 Acquired: 12/23/2024 23:41:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM32 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0727395	-.032820	.2560489	.0557198	.0322565	53.07639
Stddev	.0025398	.001624	.0024015	.0030024	.0026693	.19913
%RSD	3.491612	4.949432	.9379160	5.388393	8.275249	.3751736
#1	.0740861	-.033089	.2571964	.0529582	.0313102	52.86684
#2	.0698100	-.034293	.2532889	.0589157	.0352700	53.26314
#3	.0743224	-.031078	.2576614	.0552855	.0301892	53.09918

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5336426	.0063546	.0058612	F 998.2274	.1059104	.1375067
Stddev	.0025505	.0000649	.0000390	2.8954	.0009067	.0002425
%RSD	.4779483	1.020607	.6658219	.2900532	.8561229	.1763313
#1	.5310653	.0064037	.0058889	995.0366	.1060409	.1372395
#2	.5361655	.0062811	.0058780	1000.687	.1049455	.1375677
#3	.5336969	.0063791	.0058165	998.958	.1067448	.1377128

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2607554	166.2696	9.151748	106.9040	.2008070	.0006685
Stddev	.0034305	.6502	.051463	.3825	.0007334	.0007628
%RSD	1.315606	.3910473	.5623251	.3578284	.3652431	114.1152
#1	.2645913	165.6795	9.103492	106.6583	.2001056	.0012613
#2	.2596936	166.9666	9.205908	107.3447	.2007466	.0009362
#3	.2579813	166.1628	9.145845	106.7090	.2015687	-.000192

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.39189	.1458494	.5022899	8.718238	8.826072	.0600355
Stddev	.85491	.0038901	.0057988	.260400	.020334	.0035405
%RSD	61.42053	2.667186	1.154469	2.986840	.2303846	5.897344
#1	-.45022	.1502294	.5009319	8.449225	8.832652	.0560447
#2	-2.11925	.1427967	.5086472	8.969072	8.803264	.0627992
#3	-1.60620	.1445220	.4972906	8.736417	8.842302	.0612625

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-18 Acquired: 12/23/2024 23:41:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM32 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0042179	1.285832	4.222696	.0307162	.6968246	.7972870
Stddev	.0009611	.004601	.006370	.0027615	.0031585	.0007798
%RSD	22.78651	.3578054	.1508575	8.990348	.4532732	.0978022
#1	.0043415	1.286990	4.219154	.0338133	.6934136	.7966502
#2	.0032010	1.289743	4.218884	.0298245	.6996482	.7970541
#3	.0051113	1.280762	4.230050	.0285107	.6974121	.7981567

Elem	Li6707
Units	ppm
Avg	.1139172
Stddev	.0020772
%RSD	1.823419
#1	.1134782
#2	.1120946
#3	.1161788

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2397.796	31210.51	2680.828	2045.988	1643.529
Stddev	5.894	56.27	10.365	9.472	3.234
%RSD	.2458080	.1802824	.3866158	.4629545	.1967752
#1	2404.601	31264.89	2690.117	2048.195	1647.261
#2	2394.434	31152.53	2669.648	2035.607	1641.542
#3	2394.352	31214.13	2682.718	2054.162	1641.785

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-19 Acquired: 12/23/2024 23:45:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM33 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1348940	-.059929	1.658444	.0847666	.0365731	68.61021	1.160122
Stddev	.0036819	.001903	.003716	.0036062	.0020432	.25673	.004510
%RSD	2.729462	3.175855	.2240678	4.254285	5.586526	.3741933	.3887933
#1	.1317147	-.061509	1.662734	.0880052	.0350902	68.31556	1.155215
#2	.1340391	-.060462	1.656232	.0808805	.0357254	68.72927	1.161066
#3	.1389281	-.057816	1.656365	.0854142	.0389037	68.78581	1.164086

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0071057	.0083224	69.44021	.1499478	.1059093	.3268149	163.6125
Stddev	.0001990	.0000604	.12541	.0007380	.0004071	.0039575	.7953
%RSD	2.800077	.7261891	.1806069	.4921617	.3843936	1.210922	.4860929
#1	.0071347	.0083645	69.31906	.1506997	.1063759	.3313838	162.7089
#2	.0068938	.0082531	69.43209	.1492246	.1056267	.3246038	164.2062
#3	.0072885	.0083494	69.56949	.1499190	.1057253	.3244571	163.9223

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.090133	29.46905	.1862052	.0045978	-1.63335	.1864622	1.516135
Stddev	.047086	.25987	.0016733	.0003571	.29347	.0013266	.012020
%RSD	.5179868	.8818248	.8986059	7.767098	17.96731	.7114344	.7927920
#1	9.036129	29.20873	.1877757	.0043193	-1.47228	.1859697	1.514686
#2	9.122588	29.72846	.1844453	.0050004	-1.97208	.1879646	1.528814
#3	9.111682	29.46997	.1863946	.0044737	-1.45568	.1854523	1.504906

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.647834	9.273048	.0276871	.0079168	3.989227	4.627511	.0726590
Stddev	.195361	.019009	.0039146	.0010356	.005974	.069524	.0026168
%RSD	4.203274	.2049946	14.13854	13.08106	.1497433	1.502404	3.601496
#1	4.503818	9.271092	.0241443	.0089537	3.983235	4.624602	.0756716
#2	4.569475	9.255092	.0318896	.0079144	3.989265	4.559487	.0713552
#3	4.870210	9.292959	.0270273	.0068825	3.995182	4.698443	.0709503

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5084-19 Acquired: 12/23/2024 23:45:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM33 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6867139	-.031584	.0752336
Stddev	.0042480	.000913	.0034310
%RSD	.6185979	2.891006	4.560455
#1	.6869061	-.030530	.0714650
#2	.6908626	-.032118	.0781762
#3	.6823731	-.032104	.0760596

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2516.211	32708.83	2669.117	2149.648	1849.762
Stddev	4.135	117.82	18.575	7.596	2.472
%RSD	.1643409	.3602127	.6959059	.3533533	.1336548
#1	2520.550	32674.44	2666.564	2143.044	1852.191
#2	2512.315	32612.03	2688.836	2147.952	1849.847
#3	2515.769	32840.02	2651.951	2157.949	1847.248

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: PB165713BL Acquired: 12/23/2024 23:49:07 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS713 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.006070	-.000921	-.000533	.0029910	-.000886	.0432311	-.000751
Stddev	.001474	.003209	.003511	.0034392	.003764	.0219231	.000549
%RSD	24.27734	348.3463	659.2770	114.9866	424.9239	50.71151	73.07507
#1	-.004490	.002263	.003492	.0065005	-.004037	.0540056	-.000245
#2	-.006313	-.004155	-.002123	.0028458	-.001903	.0576821	-.001334
#3	-.007408	-.000872	-.002967	-.000373	.003283	.0180056	-.000674

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000452	-.000062	-.041608	-.000825	-.000205	.0072975	.0356184
Stddev	.0001891	.000098	.027730	.000008	.000290	.0057053	.0214346
%RSD	418.6841	156.9756	66.64531	.9191359	141.7357	78.18043	60.17836
#1	-.000102	-.000157	-.016945	-.000820	-.000286	.0033373	.0276691
#2	-.000021	-.000070	-.071625	-.000822	-.000446	.0047183	.0598919
#3	.000258	.000039	-.036255	-.000834	.000117	.0138370	.0192940

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038000	.0693566	.0001695	-.000341	-1.88422	.0040327	-.002348
Stddev	.0008924	.0141617	.0007670	.001363	.30819	.0103215	.013207
%RSD	23.48392	20.41861	452.6166	400.2207	16.35661	255.9440	562.5554
#1	.0046969	.0543769	-.000657	-.001734	-2.21479	.0145374	-.007262
#2	.0037909	.0825262	.000859	-.000276	-1.83306	-.006095	.012612
#3	.0029122	.0711665	.000306	.000989	-1.60480	.003656	-.012393

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.13200	.0021182	-.007279	-.000092	.0000319	-.083721	-.000307
Stddev	.26632	.0014215	.001501	.000904	.0037022	.000986	.000759
%RSD	23.52663	67.10620	20.62599	982.9526	11603.29	1.178176	247.3310
#1	-.89490	.0005533	-.008819	.000942	.0000541	-.083023	-.000983
#2	-1.08096	.0024719	-.005820	-.000485	.0037230	-.083290	-.000452
#3	-1.42016	.0033295	-.007197	-.000732	-.003681	-.084849	.000514

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: PB165713BL Acquired: 12/23/2024 23:49:07 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS713 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	-.000817	-.000104	-.013384
Stddev	.002924	.000369	.005252
%RSD	357.7095	353.6170	39.24132
#1	.001233	-.000503	-.007754
#2	-.004166	.000224	-.014249
#3	.000480	-.000034	-.018151

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2108.166	27360.39	2209.134	1806.810	1905.981
Stddev	7.043	31.64	21.789	6.835	5.400
%RSD	.3340666	.1156310	.9863126	.3783063	.2833296
#1	2106.801	27333.04	2190.498	1809.015	1906.168
#2	2115.791	27353.09	2233.091	1812.271	1911.286
#3	2101.906	27395.04	2203.814	1799.144	1900.490

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: PB165713BS Acquired: 12/23/2024 23:53:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS713 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0181460	.0503202	.0183280	.0656115	.1071733	.4236656
Stddev	.0039299	.0013154	.0024671	.0014838	.0017709	.0286119
%RSD	21.65719	2.614036	13.46054	2.261502	1.652337	6.753403
#1	.0226829	.0501774	.0198301	.0665472	.1065216	.3907894
#2	.0159584	.0490820	.0196733	.0639007	.1091777	.4429330
#3	.0157967	.0517011	.0154808	.0663866	.1058207	.4372743

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3980903	.0099442	.0095014	9.703208	.0197961	.0998525
Stddev	.0022642	.0001787	.0000577	.047865	.0002165	.0006068
%RSD	.5687577	1.797216	.6076132	.4932894	1.093703	.6077142
#1	.3969029	.0100353	.0094576	9.655635	.0200107	.1000041
#2	.3966668	.0100590	.0095668	9.751359	.0195777	.1003692
#3	.4007012	.0097383	.0094796	9.702629	.0198001	.0991843

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0511137	.1964867	.0319909	10.03204	.0773334	.0175865
Stddev	.0029841	.0418305	.0006760	.01218	.0001009	.0011916
%RSD	5.838138	21.28922	2.113017	.1214600	.1305277	6.775629
#1	.0493583	.2078163	.0318690	10.03019	.0773339	.0162107
#2	.0545592	.1501584	.0313841	10.02089	.0774341	.0182583
#3	.0494236	.2314854	.0327195	10.04505	.0772322	.0182905

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.762957	.0974732	.1163384	8.236075	.0210925	F -.004871
Stddev	.321438	.0107268	.0146095	.143177	.0008532	.001108
%RSD	4.140660	11.00488	12.55778	1.738408	4.045098	22.74390
#1	8.112895	.0853349	.1083322	8.166504	.0219695	-.004817
#2	7.480845	.1014070	.1074821	8.140978	.0210429	-.003791
#3	7.695130	.1056777	.1332009	8.400743	.0202652	-.006005

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: PB165713BS Acquired: 12/23/2024 23:53:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS713 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0204589	.1703728	F .3748835	.0123817	.1961875	.1987732
Stddev	.0002185	.0033799	.0022318	.0012174	.0012597	.0009870
%RSD	1.068003	1.983831	.5953376	9.832504	.6420742	.4965237
#1	.0202931	.1716371	.3767546	.0135961	.1947570	.1978036
#2	.0203771	.1729383	.3724132	.0111613	.1966747	.1997766
#3	.0207065	.1665430	.3754826	.0123878	.1971307	.1987394

Elem	Li6707
Units	ppm
Avg	F .0152922
Stddev	.0061973
%RSD	40.52614
#1	.0128718
#2	.0106703
#3	.0223345

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2058.629	26722.09	2158.318	1764.588	1856.947
Stddev	12.417	71.39	8.851	1.515	6.140
%RSD	.6031669	.2671529	.4100856	.0858663	.3306565
#1	2071.844	26639.69	2152.107	1763.914	1864.036
#2	2056.837	26761.17	2154.395	1763.526	1853.529
#3	2047.205	26765.40	2168.452	1766.323	1853.277

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-01 Acquired: 12/23/2024 23:57:07 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLR4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0824564	-.022372	.2922439	.0315016	.0276084	54.95825
Stddev	.0075523	.005105	.0042620	.0031365	.0012555	.05272
%RSD	9.159140	22.81885	1.458373	9.956743	4.547549	.0959188
#1	.0840203	-.020884	.2915079	.0304087	.0278431	54.91041
#2	.0742446	-.018177	.2968260	.0350384	.0262521	55.01476
#3	.0891042	-.028056	.2883978	.0290577	.0287300	54.94959

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7443960	.0058302	.0060878	F 1111.004	.0654220	.1173130
Stddev	.0014847	.0001158	.0001076	2.459	.0004673	.0008958
%RSD	.1994538	1.986697	1.767102	.2213413	.7142138	.7636348
#1	.7432352	.0057023	.0060926	1112.040	.0649508	.1183298
#2	.7438838	.0058603	.0061929	1112.775	.0658852	.1169689
#3	.7460691	.0059280	.0059779	1108.196	.0654300	.1166402

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2037076	139.1522	7.209155	171.1674	.1368889	.0010723
Stddev	.0022056	.4511	.006992	.0870	.0007580	.0004539
%RSD	1.082738	.3241614	.0969936	.0508019	.5537075	42.32580
#1	.2062542	138.9644	7.201813	171.1707	.1361226	.0015390
#2	.2024641	139.6669	7.215736	171.2526	.1376383	.0010456
#3	.2024046	138.8254	7.209915	171.0788	.1369057	.0006324

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1963091	.1656000	.5949802	6.542031	F 11.09294	.0588024
Stddev	.3681860	.0069542	.0024114	.103450	.03282	.0022482
%RSD	187.5542	4.199390	.4052942	1.581314	.2958237	3.823273
#1	-.208358	.1672931	.5970060	6.598806	11.12202	.0611412
#2	.285753	.1579556	.5956216	6.604663	11.09946	.0586086
#3	.511533	.1715513	.5923129	6.422625	11.05736	.0566574

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-01 Acquired: 12/23/2024 23:57:07 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLR4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043773	2.399750	5.045416	.0384824	1.362841	1.408588
Stddev	.0004647	.012216	.002092	.0023102	.005249	.002082
%RSD	10.61580	.5090465	.0414720	6.003246	.3851787	.1478098
#1	.0040075	2.400645	5.043109	.0394003	1.365915	1.410240
#2	.0042254	2.411493	5.047190	.0358543	1.356780	1.409274
#3	.0048988	2.387111	5.045949	.0401926	1.365829	1.406249

Elem	Li6707
Units	ppm
Avg	.1458764
Stddev	.0030365
%RSD	2.081565
#1	.1477101
#2	.1475478
#3	.1423714

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2350.226	30562.20	2620.311	1991.337	1605.184
Stddev	4.382	123.63	2.788	4.970	3.975
%RSD	.1864576	.4045158	.1063809	.2495686	.2476152
#1	2351.722	30516.59	2617.822	1989.286	1604.875
#2	2345.291	30702.15	2623.323	1997.004	1601.374
#3	2353.664	30467.85	2619.786	1987.721	1609.305

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-02 Acquired: 12/24/2024 0:00:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLR5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0703196	-.007619	.2691494	.0324972	.0259742	53.26607
Stddev	.0049908	.001608	.0016555	.0014688	.0018585	.38356
%RSD	7.097353	21.10114	.6150982	4.519609	7.155280	.7200815
#1	.0684243	-.009454	.2674177	.0337234	.0267244	53.69196
#2	.0665541	-.006942	.2693141	.0328987	.0273403	52.94785
#3	.0759805	-.006460	.2707165	.0308694	.0238578	53.15840

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6843722	.0054309	.0051116	F 1126.094	.0777027	.1310485
Stddev	.0059593	.0000712	.0000521	9.670	.0006375	.0008298
%RSD	.8707748	1.311835	1.019508	.8587378	.8204659	.6332315
#1	.6910647	.0053872	.0050795	1134.880	.0774615	.1301504
#2	.6796395	.0055131	.0050836	1115.733	.0784256	.1317869
#3	.6824125	.0053924	.0051718	1127.668	.0772210	.1312082

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2274886	126.9833	8.445188	136.6570	.1615756	.0005742
Stddev	.0048979	1.0428	.098317	1.6752	.0010770	.0005879
%RSD	2.153027	.8211960	1.164176	1.225808	.6665751	102.3857
#1	.2284993	128.1347	8.557508	138.5724	.1617963	.0001485
#2	.2221642	126.1026	8.374731	135.4656	.1604054	.0012450
#3	.2318023	126.7125	8.403326	135.9331	.1625252	.0003291

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.12381	.1205357	.4923414	11.47728	5.303528	.0794774
Stddev	.14541	.0024368	.0061367	.17752	.016181	.0036101
%RSD	12.93877	2.021662	1.246440	1.546727	.3050965	4.542287
#1	-1.09111	.1224660	.4864496	11.67082	5.305009	.0836234
#2	-.99753	.1213436	.4986968	11.32202	5.286658	.0770290
#3	-1.28278	.1177975	.4918777	11.43899	5.318918	.0777798

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-02 Acquired: 12/24/2024 0:00:57 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLR5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032630	1.945610	3.639018	.0292820	1.173009	.9465703
Stddev	.0006347	.003409	.067074	.0005297	.007413	.0103546
%RSD	19.45044	.1752042	1.843181	1.808945	.6319851	1.093902
#1	.0038281	1.942837	3.713390	.0290286	1.174480	.9525917
#2	.0025763	1.944577	3.583110	.0289267	1.164971	.9346140
#3	.0033846	1.949416	3.620553	.0298908	1.179577	.9525052

Elem	Li6707
Units	ppm
Avg	.1168444
Stddev	.0043202
%RSD	3.697372
#1	.1123966
#2	.1171122
#3	.1210245

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2315.179	30151.06	2633.014	1965.448	1603.839
Stddev	12.282	98.94	35.499	9.774	9.724
%RSD	.5304954	.3281590	1.348226	.4973054	.6062723
#1	2320.676	30264.02	2594.819	1976.069	1606.259
#2	2323.752	30109.38	2664.997	1963.442	1612.124
#3	2301.109	30079.77	2639.224	1956.832	1593.134

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-03 Acquired: 12/24/2024 0:04:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLR6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0533090	-.001714	.2310055	.0140014	.0163532	48.09073
Stddev	.0072487	.004714	.0024921	.0039354	.0038165	.09238
%RSD	13.59758	275.0666	1.078791	28.10691	23.33804	.1920955
#1	.0455862	.001541	.2334931	.0176970	.0193369	47.99622
#2	.0543750	.000437	.2310145	.0144435	.0120527	48.18082
#3	.0599656	-.007119	.2285090	.0098636	.0176702	48.09516

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5903255	.0050385	.0036350	F 899.5607	.0677678	.1314757
Stddev	.0010109	.0001811	.0000399	1.9849	.0006938	.0005959
%RSD	.1712448	3.595114	1.098753	.2206486	1.023734	.4532659
#1	.5892593	.0051453	.0036503	901.7238	.0682283	.1309823
#2	.5912702	.0051408	.0035897	899.1352	.0669698	.1313070
#3	.5904470	.0048294	.0036651	897.8231	.0681051	.1321378

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2287050	102.7723	7.518915	121.0301	.1700441	.0010915
Stddev	.0031933	.1681	.013438	.1329	.0013169	.0005805
%RSD	1.396249	.1635443	.1787162	.1097835	.7744151	53.17999
#1	.2272571	102.6796	7.504078	121.1259	.1713233	.0012569
#2	.2323657	102.9663	7.530267	121.0859	.1701166	.0004463
#3	.2264921	102.6710	7.522399	120.8784	.1686926	.0015713

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.22876	.0847496	.4116497	11.71809	4.106572	.0844859
Stddev	.55890	.0027516	.0142058	.05368	.004948	.0041682
%RSD	45.48450	3.246777	3.450936	.4580900	.1204959	4.933570
#1	-1.79307	.0852583	.4266794	11.72570	4.112082	.0847804
#2	-.67544	.0817791	.3984441	11.76755	4.102507	.0884990
#3	-1.21777	.0872114	.4098255	11.66101	4.105127	.0801783

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-03 Acquired: 12/24/2024 0:04:48 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLR6 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027094	1.162262	3.519250	.0212407	.3121353	.7276530
Stddev	.0003912	.005875	.034148	.0029895	.0047853	.0023967
%RSD	14.43830	.5054419	.9703172	14.07454	1.533076	.3293743
#1	.0025014	1.156112	3.523503	.0245966	.3129032	.7303801
#2	.0024661	1.167815	3.551072	.0188624	.3070126	.7258817
#3	.0031606	1.162859	3.483174	.0202631	.3164902	.7266972

Elem	Li6707
Units	ppm
Avg	.1137617
Stddev	.0034891
%RSD	3.067066
#1	.1126313
#2	.1109779
#3	.1176759

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2238.273	29086.20	2493.661	1898.399	1619.101
Stddev	9.210	35.70	20.367	8.048	5.537
%RSD	.4114763	.1227296	.8167405	.4239554	.3419499
#1	2246.209	29052.68	2492.252	1889.126	1621.548
#2	2228.174	29082.20	2474.036	1902.504	1612.762
#3	2240.436	29123.74	2514.696	1903.567	1622.992

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-04 Acquired: 12/24/2024 0:08:38 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLR7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0562234	-.012930	.3019799	.0218873	.0214339	44.66461	.3782434
Stddev	.0022000	.002000	.0016182	.0032772	.0016357	.35432	.0017963
%RSD	3.912999	15.46678	.5358722	14.97290	7.631340	.7933012	.4748993
#1	.0557437	-.014283	.3026751	.0195640	.0229919	45.02470	.3801506
#2	.0543027	-.010633	.3001302	.0256357	.0215796	44.31635	.3765837
#3	.0586236	-.013875	.3031343	.0204621	.0197303	44.65277	.3779960

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049109	.0023511	797.3088	.0761349	.1185925	.3365673	111.9703
Stddev	.0001177	.0000675	5.9071	.0016971	.0002059	.0065295	1.0302
%RSD	2.395999	2.870760	.7408785	2.229118	.1736341	1.940041	.9200479
#1	.0050290	.0023325	803.4908	.0753206	.1186503	.3402317	113.1334
#2	.0047937	.0022949	791.7216	.0749983	.1183639	.3404416	111.1727
#3	.0049099	.0024260	796.7139	.0780857	.1187634	.3290286	111.6048

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.536572	110.3287	.1535729	-.000764	-1.28922	.1241647	.3402198
Stddev	.050448	1.0119	.0004675	.001018	.23562	.0062503	.0174027
%RSD	.9111806	.9171872	.3044365	133.1337	18.27610	5.033915	5.115146
#1	5.592714	111.4893	.1539047	.000045	-1.04149	.1219817	.3201258
#2	5.495044	109.6313	.1530382	-.000432	-1.31569	.1192986	.3504387
#3	5.521959	109.8655	.1537757	-.001906	-1.51049	.1312138	.3500949

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.19005	7.875957	.0817675	.0025037	1.316550	4.066277	.0226474
Stddev	.31879	.029786	.0031529	.0003626	.011677	.031565	.0012763
%RSD	2.848856	.3781834	3.855965	14.48076	.8869107	.7762531	5.635625
#1	11.55567	7.865902	.0852681	.0028480	1.304657	4.083124	.0235835
#2	10.97028	7.852500	.0791510	.0025376	1.316996	4.085845	.0231651
#3	11.04419	7.909469	.0808835	.0021253	1.327997	4.029864	.0211935

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-04 Acquired: 12/24/2024 0:08:38 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLR7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.5799911	.6282807	.0965297
Stddev	.0052003	.0043292	.0032691
%RSD	.8966112	.6890473	3.386591
#1	.5803407	.6321911	.0927590
#2	.5746249	.6236286	.0982623
#3	.5850078	.6290224	.0985678

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2289.848	29812.74	2531.712	1946.071	1693.927
Stddev	2.646	119.94	16.946	4.150	2.537
%RSD	.1155354	.4023110	.6693668	.2132307	.1497958
#1	2287.418	29789.16	2512.567	1950.855	1694.985
#2	2292.666	29942.71	2537.779	1943.453	1695.765
#3	2289.461	29706.33	2544.790	1943.904	1691.032

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-05 Acquired: 12/24/2024 0:12:29 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLR8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1292015	-.058691	4.572706	.0901483	.0633150	61.02034
Stddev	.0032080	.002950	.020232	.0031565	.0016862	.86223
%RSD	2.482915	5.026709	.4424431	3.501438	2.663200	1.413026
#1	.1329057	-.055575	4.568131	.0873299	.0632743	60.57941
#2	.1273679	-.061441	4.555154	.0935589	.0616495	62.01387
#3	.1273310	-.059056	4.594834	.0895561	.0650212	60.46774

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.432460	.0078700	.0205322	192.2749	.1539328	.1157254
Stddev	.035319	.0001513	.0001821	2.5527	.0011196	.0002087
%RSD	1.451975	1.923040	.8868681	1.327619	.7273270	.1803075
#1	2.413779	.0077146	.0205407	190.7141	.1546906	.1157532
#2	2.473197	.0080170	.0203460	195.2208	.1526468	.1155043
#3	2.410406	.0078785	.0207098	190.8899	.1544610	.1159189

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3651733	192.9073	8.339645	43.92933	.2122132	.0028722
Stddev	.0076578	2.9148	.112164	.60213	.0008197	.0001733
%RSD	2.097039	1.510974	1.344944	1.370684	.3862821	6.034627
#1	.3594691	191.0986	8.276645	43.61793	.2117211	.0028363
#2	.3738768	196.2698	8.469144	44.62340	.2117591	.0027197
#3	.3621740	191.3535	8.273145	43.54667	.2131595	.0030607

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.62239	.1600227	5.779642	10.38021	F 20.39585	.0903868
Stddev	.51528	.0033313	.041094	.27520	.09801	.0034324
%RSD	31.76056	2.081757	.7110124	2.651226	.4805580	3.797505
#1	-1.03722	.1633964	5.767544	10.27327	20.40879	.0865812
#2	-2.00823	.1599363	5.745954	10.69283	20.29200	.0913307
#3	-1.82172	.1567355	5.825426	10.17452	20.48674	.0932485

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-05 Acquired: 12/24/2024 0:12:29 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLR8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0124680	5.598139	5.034972	.1162840	.6785404	.1604455
Stddev	.0002950	.025491	.086202	.0012641	.0052334	.0018893
%RSD	2.366335	.4553407	1.712056	1.087095	.7712674	1.177567
#1	.0126647	5.592709	5.024706	.1174048	.6725836	.1605977
#2	.0121288	5.575801	5.125848	.1165333	.6823992	.1622542
#3	.0126106	5.625907	4.954364	.1149137	.6806384	.1584847

Elem	Li6707
Units	ppm
Avg	.0748862
Stddev	.0017227
%RSD	2.300415
#1	.0754673
#2	.0762432
#3	.0729481

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2431.457	31571.74	2611.928	2070.424	1787.694
Stddev	3.740	123.37	32.530	9.620	4.474
%RSD	.1538153	.3907657	1.245443	.4646196	.2502889
#1	2431.771	31568.38	2626.763	2068.443	1786.597
#2	2435.030	31696.76	2574.625	2080.879	1792.614
#3	2427.570	31450.08	2634.397	2061.948	1783.869

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-06 Acquired: 12/24/2024 0:16:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLR9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1237052	-.056330	3.017727	.0819914	.0404871	57.67361
Stddev	.0019310	.001202	.031429	.0027132	.0026418	.40535
%RSD	1.560958	2.133296	1.041491	3.309169	6.525060	.7028333
#1	.1232853	-.054964	2.998147	.0847801	.0374976	57.27887
#2	.1220187	-.057226	3.053979	.0818337	.0414560	57.65316
#3	.1258115	-.056801	3.001053	.0793605	.0425076	58.08880

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.312996	.0073793	.0209710	151.2731	.1476943	.1100831
Stddev	.012010	.0001095	.0002736	.9685	.0010111	.0013109
%RSD	.5192526	1.483573	1.304698	.6402022	.6846004	1.190822
#1	2.303130	.0075053	.0208476	150.4041	.1488084	.1087421
#2	2.309489	.0073073	.0212846	151.0981	.1468348	.1113617
#3	2.326370	.0073255	.0207808	152.3171	.1474397	.1101455

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3293651	177.7476	7.437024	37.95603	.2249453	.0011144
Stddev	.0082379	1.2647	.046300	.50197	.0014130	.0015198
%RSD	2.501146	.7115401	.6225615	1.322516	.6281468	136.3820
#1	.3202860	176.4745	7.390186	37.48145	.2238800	.0003150
#2	.3314468	177.7646	7.438118	37.90510	.2265482	.0028670
#3	.3363625	179.0038	7.482767	38.48152	.2244079	.0001611

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.76886	.1528452	5.937156	9.983453	F 20.13704	.0476089
Stddev	.59516	.0080753	.074468	.166552	.18656	.0025615
%RSD	33.64672	5.283329	1.254271	1.668280	.9264561	5.380358
#1	-1.10773	.1552292	5.897440	10.13176	20.03043	.0477713
#2	-1.93694	.1438463	5.890965	10.01533	20.35246	.0449701
#3	-2.26190	.1594601	6.023063	9.80327	20.02823	.0500855

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-06 Acquired: 12/24/2024 0:16:16 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLR9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0127013	4.620635	4.415555	.1152867	.7448092	.1253888
Stddev	.0008537	.042391	.022324	.0004849	.0061207	.0006686
%RSD	6.721058	.9174175	.5055790	.4206019	.8217834	.5332548
#1	.0136392	4.597715	4.425795	.1149882	.7410554	.1248746
#2	.0119697	4.669551	4.430922	.1158462	.7415000	.1251470
#3	.0124949	4.594640	4.389948	.1150258	.7518721	.1261447

Elem	Li6707
Units	ppm
Avg	.0752311
Stddev	.0025324
%RSD	3.366204
#1	.0759003
#2	.0724313
#3	.0773618

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2445.165	31802.80	2660.773	2089.677	1804.707
Stddev	6.627	205.05	5.396	11.969	9.362
%RSD	.2710428	.6447593	.2028024	.5727524	.5187507
#1	2441.086	31948.96	2663.394	2087.990	1805.646
#2	2441.597	31891.04	2664.358	2102.399	1794.911
#3	2452.812	31568.40	2654.567	2078.641	1813.564

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-07 Acquired: 12/24/2024 0:20:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1614930	-.065061	2.719836	.1005556	.0493150	70.92981
Stddev	.0057502	.001234	.016308	.0087050	.0022084	.30843
%RSD	3.560649	1.897199	.5995989	8.656876	4.478078	.4348340
#1	.1680602	-.066355	2.710255	.0998779	.0510792	70.67880
#2	.1590575	-.063896	2.710587	.0922093	.0468384	71.27411
#3	.1573613	-.064933	2.738666	.1095797	.0500274	70.83652

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.120546	.0086946	.0229786	186.3735	.1459147	.1271292
Stddev	.008529	.0000995	.0002921	.2532	.0014429	.0005593
%RSD	.4021966	1.143998	1.271147	.1358679	.9888509	.4399428
#1	2.111959	.0086392	.0227551	186.0867	.1448538	.1276552
#2	2.129015	.0088094	.0228717	186.5661	.1453326	.1271906
#3	2.120665	.0086351	.0233091	186.4678	.1475577	.1265417

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3284652	213.2131	9.746547	41.19818	.2139985	.0010760
Stddev	.0050685	.5880	.033695	.16838	.0010310	.0008086
%RSD	1.543082	.2757574	.3457118	.4087095	.4818037	75.15293
#1	.3245600	212.5646	9.715173	41.12295	.2147287	.0004756
#2	.3341929	213.7113	9.782162	41.08053	.2128191	.0019955
#3	.3266426	213.3635	9.742306	41.39106	.2144478	.0007569

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.656411	.1892894	5.136889	10.34891	F 26.16212	.0472473
Stddev	.237533	.0050381	.055528	.04437	.15797	.0035626
%RSD	36.18666	2.661613	1.080962	.4287096	.6037952	7.540378
#1	-.929162	.1882794	5.093213	10.35601	26.12463	.0454239
#2	-.494996	.1947561	5.118074	10.38930	26.02627	.0513525
#3	-.545074	.1848328	5.199380	10.30143	26.33546	.0449654

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-07 Acquired: 12/24/2024 0:20:04 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0107017	4.486552	4.268921	.1351998	.6885969	.1460757
Stddev	.0001420	.025262	.013169	.0023263	.0005514	.0009545
%RSD	1.326786	.5630576	.3084895	1.720603	.0800829	.6533920
#1	.0106051	4.473566	4.274723	.1325812	.6889111	.1471372
#2	.0108648	4.470425	4.253847	.1359907	.6879602	.1458017
#3	.0106354	4.515665	4.278192	.1370275	.6889195	.1452882

Elem	Li6707
Units	ppm
Avg	.0996094
Stddev	.0026614
%RSD	2.671835
#1	.1007711
#2	.0965647
#3	.1014925

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2563.684	33552.83	2792.106	2206.211	1808.311
Stddev	8.525	326.52	4.165	24.622	9.727
%RSD	.3325216	.9731451	.1491693	1.116031	.5379220
#1	2568.590	33594.88	2787.772	2211.247	1810.527
#2	2568.622	33856.29	2792.469	2227.925	1816.739
#3	2553.840	33207.32	2796.078	2179.460	1797.667

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-08 Acquired: 12/24/2024 0:23:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS0D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1600988	-.062105	2.712031	.1036113	.0509205	70.86254
Stddev	.0030777	.003359	.011836	.0007715	.0016360	.40216
%RSD	1.922402	5.408575	.4364223	.7445947	3.212823	.5675252
#1	.1629112	-.065948	2.704648	.1029603	.0505174	70.40173
#2	.1568110	-.060634	2.705762	.1034100	.0495238	71.04316
#3	.1605742	-.059731	2.725683	.1044634	.0527204	71.14272

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.126632	.0089417	.0229564	185.8297	.1479149	.1273663
Stddev	.012674	.0000879	.0001073	.4848	.0003137	.0001640
%RSD	.5959812	.9831319	.4673946	.2608736	.2120748	.1287672
#1	2.115442	.0088709	.0230416	185.4849	.1482620	.1273210
#2	2.124057	.0090401	.0228359	185.6202	.1478309	.1272297
#3	2.140396	.0089140	.0229916	186.3840	.1476517	.1275482

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3237946	213.2263	9.768174	41.18578	.2122222	.0020826
Stddev	.0063926	1.1646	.050553	.16008	.0010926	.0010093
%RSD	1.974277	.5462022	.5175239	.3886659	.5148384	48.46472
#1	.3175091	212.2465	9.721525	41.01096	.2111480	.0012855
#2	.3302892	212.9183	9.761109	41.22120	.2133323	.0017449
#3	.3235855	214.5139	9.821887	41.32518	.2121861	.0032176

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.570723	.1864300	5.114339	10.33187	F 26.04169	.0458484
Stddev	.589952	.0050416	.012677	.09567	.03518	.0032474
%RSD	103.3692	2.704293	.2478766	.9260113	.1351066	7.082843
#1	-1.14860	.1850818	5.127838	10.43513	26.03827	.0441319
#2	-.59417	.1920086	5.112495	10.31423	26.00835	.0438195
#3	.03060	.1821995	5.102685	10.24624	26.07846	.0495938

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-08 Acquired: 12/24/2024 0:23:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS0D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0109804	4.462130	4.340355	.1346008	.6907411	.1443005
Stddev	.0007600	.009486	.016168	.0007670	.0042297	.0019267
%RSD	6.921817	.2125915	.3725074	.5698582	.6123470	1.335170
#1	.0115056	4.452633	4.338036	.1346997	.6953396	.1464337
#2	.0113267	4.471605	4.357558	.1337891	.6870167	.1437808
#3	.0101089	4.462153	4.325472	.1353135	.6898671	.1426870

Elem	Li6707
Units	ppm
Avg	.0959839
Stddev	.0019712
%RSD	2.053696
#1	.0948975
#2	.0947950
#3	.0982593

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2563.676	33288.25	2780.893	2194.944	1814.175
Stddev	1.648	175.90	7.508	16.728	.486
%RSD	.0642649	.5284133	.2699786	.7621148	.0267995
#1	2562.325	33108.41	2772.362	2176.937	1814.409
#2	2565.512	33459.93	2783.823	2209.999	1814.501
#3	2563.191	33296.40	2786.494	2197.897	1813.616

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-07LX5 Acquired: 12/24/2024 0:27:39 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS0L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0309707	-.007417	.5636573	.0204112	.0104671	17.31561	.5139572
Stddev	.0050202	.005244	.0028326	.0045416	.0011942	.08254	.0005680
%RSD	16.20938	70.70199	.5025333	22.25042	11.40912	.4766951	.1105202
#1	.0252138	-.001373	.5643168	.0252610	.0097136	17.22116	.5137076
#2	.0344368	-.010756	.5605531	.0162583	.0118440	17.37390	.5135566
#3	.0332616	-.010122	.5661019	.0197144	.0098436	17.35176	.5146072

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022414	.0045629	45.40648	.0363255	.0390063	.0786650	52.25644
Stddev	.0000348	.0001689	.14635	.0006166	.0001574	.0057604	.15432
%RSD	1.551094	3.701789	.3223131	1.697284	.4035349	7.322669	.2953188
#1	.0022748	.0043699	45.28409	.0361291	.0391266	.0744324	52.08674
#2	.0022054	.0046837	45.36675	.0370163	.0390641	.0763377	52.29421
#3	.0022439	.0046352	45.56859	.0358311	.0388281	.0852249	52.38837

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.383681	10.12188	.0432758	.0011367	-1.39743	.0457016	1.230603
Stddev	.006634	.01922	.0002857	.0010317	.34057	.0103654	.019369
%RSD	.2782894	.1898982	.6601573	90.76214	24.37117	22.68051	1.573912
#1	2.376324	10.14322	.0430725	.0020330	-1.01286	.0562175	1.218673
#2	2.385511	10.11651	.0431523	.0013680	-1.66090	.0354936	1.220186
#3	2.389207	10.10592	.0436024	.0000090	-1.51853	.0453936	1.252951

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.618552	5.422096	.0093142	.0038518	.9213848	1.344306	.0293903
Stddev	.070663	.013248	.0009777	.0007268	.0064364	.025642	.0012699
%RSD	4.365787	.2443345	10.49674	18.86953	.6985545	1.907424	4.320801
#1	1.543114	5.422529	.0093717	.0030344	.9286538	1.336955	.0281598
#2	1.629345	5.408636	.0083090	.0040954	.9190911	1.372820	.0306962
#3	1.683197	5.435122	.0102619	.0044254	.9164094	1.323142	.0293150

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-07LX5 Acquired: 12/24/2024 0:27:39 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS0L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.1901318	.0346791	.0169583
Stddev	.0073465	.0002637	.0034721
%RSD	3.863871	.7603701	20.47430
#1	.1817655	.0344513	.0165145
#2	.1931006	.0346181	.0206310
#3	.1955292	.0349679	.0137295

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2173.574	28083.99	2286.888	1842.341	1845.030
Stddev	2.671	106.54	14.301	15.195	3.274
%RSD	.1228752	.3793597	.6253406	.8247594	.1774236
#1	2170.887	27984.77	2270.847	1826.319	1844.211
#2	2173.606	28196.58	2291.513	1856.545	1848.635
#3	2176.229	28070.61	2298.303	1844.161	1842.243

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-09 Acquired: 12/24/2024 0:31:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS0S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2344104	.0198775	2.732257	.2361441	.1945024	74.01272
Stddev	.0034799	.0021723	.005051	.0019530	.0004977	.36487
%RSD	1.484520	10.92860	.1848795	.8270325	.2558844	.4929783
#1	.2323666	.0178170	2.730620	.2347447	.1940804	73.71115
#2	.2324362	.0221467	2.728227	.2383753	.1943757	73.90870
#3	.2384284	.0196689	2.737924	.2353124	.1950513	74.41830

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.276356	.0864286	.1159040	186.1902	.4843770	1.087993
Stddev	.029471	.0002859	.0001246	.4678	.0014385	.002326
%RSD	.5585525	.3308302	.1074875	.2512590	.2969807	.2137593
#1	5.259103	.0866375	.1159811	185.7491	.4842461	1.088848
#2	5.259579	.0865455	.1157603	186.1409	.4830083	1.085360
#3	5.310385	.0861027	.1159707	186.6808	.4858764	1.089770

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6988580	214.4791	10.51731	41.18079	1.165853	.0586769
Stddev	.0100312	1.3766	.05977	.25412	.002085	.0009141
%RSD	1.435365	.6418569	.5683469	.6170803	.1788384	1.557812
#1	.6891508	213.3502	10.46392	41.07601	1.167270	.0578144
#2	.7091844	214.0745	10.50613	40.99581	1.163459	.0585812
#3	.6982388	216.0128	10.58189	41.47054	1.166829	.0596351

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.996302	.9849291	5.900906	10.42497	F 25.90502	.0442504
Stddev	.421650	.0120333	.057156	.04778	.01798	.0043939
%RSD	42.32155	1.221738	.9685910	.4583064	.0694222	9.929682
#1	-1.44812	.9716410	5.835823	10.40328	25.91352	.0393746
#2	-.92750	.9880563	5.923966	10.47975	25.88436	.0454731
#3	-.61328	.9950901	5.942929	10.39189	25.91718	.0479035

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-09 Acquired: 12/24/2024 0:31:32 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS0S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0117284	4.458726	4.432104	.1337900	.6997925	.1459196
Stddev	.0004086	.016457	.018806	.0012940	.0041656	.0011754
%RSD	3.484048	.3691055	.4243149	.9671939	.5952650	.8054820
#1	.0120182	4.475875	4.443057	.1337371	.6999384	.1457618
#2	.0112611	4.443060	4.410389	.1351097	.7038832	.1471658
#3	.0119059	4.457242	4.442866	.1325233	.6955558	.1448310

Elem	Li6707
Units	ppm
Avg	.0981405
Stddev	.0023540
%RSD	2.398550
#1	.1007570
#2	.0974698
#3	.0961946

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2548.156	32969.07	2738.722	2162.771	1806.692
Stddev	2.721	89.49	.909	7.819	2.056
%RSD	.1067739	.2714230	.0331854	.3615468	.1137778
#1	2549.989	33051.27	2737.884	2168.266	1808.847
#2	2545.030	32982.20	2739.688	2166.228	1804.753
#3	2549.448	32873.75	2738.594	2153.819	1806.476

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-10 Acquired: 12/24/2024 0:35:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1262171	-.034306	1.109438	.0689006	.0380579	59.90914
Stddev	.0055968	.001031	.002666	.0030517	.0039620	.41492
%RSD	4.434280	3.004062	.2402799	4.429118	10.41038	.6925780
#1	.1265377	-.033308	1.108178	.0654437	.0370003	59.53461
#2	.1316468	-.035367	1.107636	.0700371	.0347321	59.83766
#3	.1204669	-.034242	1.112500	.0712209	.0424414	60.35516

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.568331	.0067944	.0105654	272.5729	.1137026	.1192628
Stddev	.008457	.0000371	.0001469	1.0888	.0008245	.0002953
%RSD	.5392421	.5464893	1.390265	.3994526	.7251327	.2476017
#1	1.558751	.0067517	.0103959	271.4913	.1130118	.1194087
#2	1.571481	.0068126	.0106539	272.5588	.1134805	.1194567
#3	1.574761	.0068189	.0106465	273.6688	.1146153	.1189229

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1936919	166.7843	10.91664	78.45649	.1540588	.0011963
Stddev	.0081347	.8509	.04104	.34827	.0006191	.0008835
%RSD	4.199788	.5101727	.3759177	.4439007	.4018606	73.84764
#1	.1849765	166.0657	10.87044	78.06334	.1544946	.0022143
#2	.2010835	166.5633	10.93063	78.57978	.1533501	.0006304
#3	.1950156	167.7238	10.94886	78.72634	.1543317	.0007443

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.70677	.1476922	2.005331	7.881883	F 13.69006	.0413719
Stddev	.49831	.0033564	.012185	.148355	.03469	.0028777
%RSD	29.19605	2.272538	.6076062	1.882231	.2534258	6.955711
#1	-2.07887	.1489071	1.991931	8.002641	13.68387	.0444778
#2	-1.14063	.1438975	2.008316	7.716278	13.65888	.0408419
#3	-1.90082	.1502719	2.015745	7.926731	13.72743	.0387961

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-10 Acquired: 12/24/2024 0:35:17 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0090440	2.857433	3.910511	.0617410	.6343163	.1482061
Stddev	.0010954	.007792	.009795	.0029774	.0044061	.0005587
%RSD	12.11208	.2726960	.2504912	4.822412	.6946255	.3769627
#1	.0090766	2.850270	3.906352	.0644688	.6373875	.1478793
#2	.0079326	2.856300	3.903481	.0621893	.6292679	.1478878
#3	.0101227	2.865730	3.921699	.0585648	.6362936	.1488512

Elem	Li6707
Units	ppm
Avg	.0789518
Stddev	.0017009
%RSD	2.154333
#1	.0792135
#2	.0771352
#3	.0805066

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2488.525	32265.58	2710.115	2119.132	1778.808
Stddev	6.057	33.04	9.144	6.978	6.167
%RSD	.2433975	.1024101	.3374013	.3292734	.3467123
#1	2485.259	32229.37	2708.891	2111.205	1775.641
#2	2495.514	32273.26	2719.809	2121.843	1785.916
#3	2484.801	32294.10	2701.644	2124.347	1774.868

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-11 Acquired: 12/24/2024 0:39:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1310211	-.038883	.5225907	.0615733	.0403285	51.94125
Stddev	.0043252	.004394	.0035249	.0030952	.0025798	.37334
%RSD	3.301142	11.30072	.6745090	5.026792	6.397055	.7187818
#1	.1327003	-.038836	.5266319	.0629180	.0373500	51.55724
#2	.1342549	-.043301	.5209899	.0580332	.0418591	51.96357
#3	.1261081	-.034513	.5201502	.0637687	.0417765	52.30293

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.136627	.0061553	.0077175	F 826.9430	.0942055	.1384227
Stddev	.007132	.0001682	.0000661	4.0438	.0016008	.0009266
%RSD	.6274694	2.732984	.8567878	.4890001	1.699214	.6694147
#1	1.128593	.0060291	.0076872	823.3691	.0937063	.1393455
#2	1.139078	.0060905	.0077933	826.1275	.0959964	.1374923
#3	1.142210	.0063463	.0076719	831.3324	.0929139	.1384302

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2008003	185.4969	12.00335	154.0922	.1768541	-.000743
Stddev	.0057192	.9193	.05502	.8216	.0009448	.000581
%RSD	2.848202	.4955987	.4583808	.5331607	.5342323	78.18891
#1	.2013793	184.7066	11.94603	153.3075	.1779236	-.000129
#2	.1948136	185.2782	12.00829	154.0230	.1761329	-.000817
#3	.2062079	186.5058	12.05573	154.9462	.1765057	-.001284

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.794202	.1513595	1.078028	6.525775	F 10.44657	.0517206
Stddev	.180362	.0058079	.012352	.134907	.00390	.0012091
%RSD	22.70988	3.837166	1.145803	2.067287	.0373450	2.337806
#1	-.938389	.1484612	1.092246	6.678430	10.44537	.0504949
#2	-.591962	.1580462	1.069943	6.422574	10.44341	.0517546
#3	-.852256	.1475711	1.071895	6.476322	10.45093	.0529124

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-11 Acquired: 12/24/2024 0:39:06 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS2 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052947	2.186779	3.421778	.0413496	.5463726	.6687324
Stddev	.0001503	.008163	.013169	.0009126	.0039975	.0027502
%RSD	2.838314	.3732999	.3848613	2.207008	.7316372	.4112513
#1	.0051221	2.179093	3.429601	.0402978	.5457612	.6663141
#2	.0053662	2.185897	3.429160	.0418190	.5427160	.6681590
#3	.0053960	2.195348	3.406574	.0419319	.5506405	.6717240

Elem	Li6707
Units	ppm
Avg	.0852256
Stddev	.0018581
%RSD	2.180220
#1	.0830989
#2	.0865346
#3	.0860434

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2361.340	30620.66	2639.147	1998.019	1647.190
Stddev	4.307	275.90	8.177	11.204	2.778
%RSD	.1823944	.9010289	.3098450	.5607383	.1686668
#1	2362.970	30728.17	2648.444	2000.425	1647.073
#2	2364.593	30307.19	2633.070	1985.808	1650.025
#3	2356.456	30826.63	2635.927	2007.824	1644.472

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCV028 Acquired: 12/24/2024 0:42:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV028 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.833373	4.522037	23.25927	4.707081	4.790634	378.2268
Stddev	.010465	.014283	.05463	.008567	.005767	1.6724
%RSD	.2165077	.3158638	.2348826	.1820075	.1203730	.4421569
#1	4.822189	4.505794	23.19643	4.699817	4.784205	380.1117
#2	4.842926	4.527678	23.29548	4.704898	4.792346	376.9209
#3	4.835005	4.532637	23.28590	4.716529	4.795350	377.6478

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.471658	.4664679	2.350764	381.1893	14.80176	2.425777
Stddev	.038480	.0055498	.003586	1.2566	.08911	.006829
%RSD	.4062608	1.189751	.1525599	.3296656	.6020151	.2815290
#1	9.516088	.4723092	2.346715	382.4855	14.71986	2.418078
#2	9.449059	.4612648	2.353538	379.9763	14.78876	2.431103
#3	9.449827	.4658297	2.352040	381.1062	14.89665	2.428150

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.13152	380.8938	13.97037	376.6506	2.355622	1.217750
Stddev	.06085	1.6866	.06997	1.2034	.001053	.003340
%RSD	.4306038	.4428060	.5008575	.3194929	.0446996	.2742626
#1	14.19643	382.8123	14.04573	377.9798	2.354430	1.216296
#2	14.07576	379.6444	13.90745	376.3369	2.356011	1.215383
#3	14.12237	380.2247	13.95794	375.6352	2.356426	1.221570

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	367.3533	2.347560	14.51919	138.2979	4.693571	4.622523
Stddev	1.3231	.004579	.17262	.7271	.006101	.052538
%RSD	.3601766	.1950722	1.188904	.5257386	.1299859	1.136557
#1	368.8731	2.345175	14.32191	139.1362	4.687245	4.680057
#2	366.4579	2.352840	14.59321	137.8381	4.694050	4.577096
#3	366.7290	2.344665	14.64246	137.9195	4.699419	4.610415

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCV028 Acquired: 12/24/2024 0:42:56 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV028 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.679767	4.771636	F 4.484018	4.709468	4.720954	4.541372
Stddev	.003527	.010957	.058100	.002949	.035650	.013719
%RSD	.0753585	.2296192	1.295703	.0626138	.7551486	.3020804
#1	4.676523	4.759058	4.544715	4.706176	4.747873	4.540080
#2	4.683520	4.776746	4.428922	4.711865	4.680523	4.528345
#3	4.679257	4.779104	4.478416	4.710365	4.734466	4.555691

Elem	Li6707
Units	ppm
Avg	4.694557
Stddev	.012954
%RSD	.2759440
#1	4.707535
#2	4.681627
#3	4.694508

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1808.993	24736.79	2166.337	1542.119	1582.822
Stddev	.340	196.70	17.820	14.748	1.392
%RSD	.0188213	.7951707	.8225728	.9563416	.0879509
#1	1808.859	24938.23	2148.775	1556.254	1584.177
#2	1809.380	24726.94	2184.404	1543.278	1581.396
#3	1808.740	24545.20	2165.834	1526.827	1582.893

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCB028 Acquired: 12/24/2024 0:46:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB028 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001535	-.000146	.0042003	.0006272	-.000655	.0201799	.0014779
Stddev	.001647	.000954	.0018702	.0017030	.001522	.0219213	.0014212
%RSD	107.3353	652.8979	44.52599	271.5398	232.5462	108.6293	96.16543
#1	.000358	.000892	.0060526	-.000823	.000443	.0401511	.0008939
#2	-.002643	-.000986	.0042354	.000202	-.002392	.0236632	.0030981
#3	-.002319	-.000344	.0023127	.002502	-.000015	-.003274	.0004417

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000256	.0000051	-.010621	-.000285	-.000235	.0041730	.0383940
Stddev	.0001874	.0001427	.014667	.000394	.000263	.0082535	.0316598
%RSD	730.9129	2793.432	138.0972	138.4672	111.9589	197.7831	82.46023
#1	.0000736	.0000758	-.025830	-.000529	-.000417	-.005270	.0310396
#2	.0001844	.0000986	-.009471	-.000495	-.000355	.010010	.0730838
#3	-.000181	-.000159	.003437	.000170	.000067	.007779	.0110587

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033817	.1994229	.0001039	-.000830	-1.61431	.0048779	-.001678
Stddev	.0018054	.1674289	.0001077	.001047	.11477	.0075397	.009280
%RSD	53.38614	83.95671	103.6142	126.0807	7.109793	154.5690	553.1013
#1	.0053015	.0879696	.0001840	-.000883	-1.73783	.0020720	-.007962
#2	.0031253	.3919563	.0001462	.000242	-1.51096	.0134182	-.006052
#3	.0017183	.1183429	-.000018	-.001849	-1.59413	-.000857	.008981

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.10023	.0013728	.0031711	.0008568	-.005958	-.083912	-.000118
Stddev	.25908	.0005809	.0028892	.0000580	.002302	.000810	.000053
%RSD	23.54801	42.31632	91.10845	6.773061	38.63334	.9651670	44.61273
#1	-1.20608	.0011092	.0060417	.0008985	-.007380	-.083191	-.000163
#2	-1.28963	.0020389	.0002637	.0008813	-.007191	-.083758	-.000131
#3	-.80498	.0009704	.0032081	.0007905	-.003302	-.084789	-.000060

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCB028 Acquired: 12/24/2024 0:46:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB028 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0028068	.0004041	.0029738
Stddev	.0051759	.0001830	.0009751
%RSD	184.4054	45.29889	32.78928
#1	-.002540	.0003352	.0019962
#2	.003168	.0006115	.0029787
#3	.007793	.0002654	.0039464

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2070.984	26792.42	2195.180	1762.489	1864.431
Stddev	2.837	152.20	12.496	19.499	3.218
%RSD	.1369968	.5680879	.5692602	1.106352	.1725955
#1	2071.360	26845.06	2185.961	1769.876	1863.725
#2	2067.978	26620.89	2209.403	1740.376	1861.625
#3	2073.614	26911.32	2190.176	1777.216	1867.943

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-12 Acquired: 12/24/2024 0:50:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1252109	.0024062	.3034841	.0237997	.0227267	34.04063
Stddev	.0063754	.0021651	.0023316	.0016049	.0029675	.42409
%RSD	5.091709	89.98049	.7682769	6.743183	13.05735	1.245841
#1	.1254905	.0048633	.3007946	.0252756	.0201264	33.55136
#2	.1187004	.0007782	.3047226	.0240323	.0259594	34.30303
#3	.1314420	.0015770	.3049351	.0220913	.0220942	34.26750

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7561057	.0038979	.0045055	F 1358.251	.0667397	.1501996
Stddev	.0092556	.0001193	.0001184	24.304	.0012510	.0009012
%RSD	1.224116	3.059244	2.627606	1.789331	1.874499	.5999829
#1	.7455439	.0039097	.0044972	1332.615	.0653250	.1493510
#2	.7628017	.0040108	.0046278	1361.181	.0677002	.1511454
#3	.7599715	.0037731	.0043915	1380.956	.0671939	.1501025

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1900770	123.9102	11.10727	173.9777	.1231174	-.000775
Stddev	.0056289	1.5331	.13224	1.9858	.0010264	.000385
%RSD	2.961396	1.237242	1.190539	1.141416	.8337054	49.69940
#1	.1886136	122.1421	10.95519	171.6853	.1243025	-.001212
#2	.1853243	124.8708	11.19515	175.0773	.1225396	-.000630
#3	.1962931	124.7176	11.17147	175.1704	.1225101	-.000484

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.30958	.0963171	.7604204	6.609928	5.812145	.0681912
Stddev	.79344	.0079368	.0150224	.133423	.018289	.0012336
%RSD	60.58791	8.240305	1.975538	2.018532	.3146605	1.809091
#1	-2.09032	.0871665	.7687478	6.479555	5.791769	.0677030
#2	-.50401	.1013326	.7430785	6.746206	5.817526	.0672765
#3	-1.33439	.1004521	.7694348	6.604024	5.827139	.0695943

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-12 Acquired: 12/24/2024 0:50:35 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS3 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0055787	10.38759	2.965187	.0311022	.4936855	1.124725
Stddev	.0005266	.03101	.062214	.0017173	.0060485	.014261
%RSD	9.439389	.2985140	2.098135	5.521619	1.225162	1.267948
#1	.0050354	10.35574	2.893349	.0298336	.4873060	1.108764
#2	.0060868	10.38937	3.001025	.0304165	.4944134	1.129197
#3	.0056140	10.41768	3.001187	.0330565	.4993370	1.136215

Elem	Li6707
Units	ppm
Avg	.0676418
Stddev	.0031534
%RSD	4.661906
#1	.0648915
#2	.0669504
#3	.0710835

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2239.381	29063.46	2547.113	1891.882	1598.514
Stddev	9.445	41.00	47.173	4.201	7.474
%RSD	.4217857	.1410623	1.852035	.2220687	.4675508
#1	2249.787	29065.97	2601.445	1896.266	1606.450
#2	2237.006	29021.27	2516.575	1891.491	1597.483
#3	2231.350	29103.15	2523.320	1887.891	1591.610

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-13 Acquired: 12/24/2024 0:54:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0509739	.0061234	.2394122	.0137698	.0175169	34.89340
Stddev	.0028219	.0060648	.0008785	.0023141	.0036870	.03865
%RSD	5.535939	99.04296	.3669405	16.80581	21.04817	.1107598
#1	.0487985	.0111372	.2402430	.0120790	.0133158	34.84946
#2	.0541625	-.000618	.2384927	.0128233	.0190199	34.92213
#3	.0499606	.007851	.2395011	.0164072	.0202150	34.90860

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5459015	.0039874	.0033461	F 1285.878	.0602022	.1149057
Stddev	.0027887	.0000909	.0001061	8.851	.0003506	.0003026
%RSD	.5108492	2.279720	3.170112	.6883575	.5823004	.2633520
#1	.5452133	.0040918	.0032944	1279.826	.0605717	.1152026
#2	.5489699	.0039257	.0032758	1281.771	.0598743	.1149168
#3	.5435213	.0039447	.0034681	1296.037	.0601606	.1145977

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2570450	108.4962	9.262884	234.0880	.1058131	-.000838
Stddev	.0025161	.1624	.010054	.6341	.0006507	.000983
%RSD	.9788381	.1496633	.1085441	.2708624	.6149532	117.2472
#1	.2541801	108.3094	9.255773	233.4411	.1065540	.000296
#2	.2588955	108.5758	9.274387	234.1145	.1055507	-.001378
#3	.2580595	108.6034	9.258493	234.7083	.1053345	-.001433

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.735558	.1084227	.4943611	7.809475	6.777357	.0793342
Stddev	.405341	.0141798	.0096946	.063061	.009272	.0005516
%RSD	55.10660	13.07828	1.961030	.8074953	.1368141	.6952359
#1	-1.05194	.1238382	.4870081	7.856053	6.780283	.0787429
#2	-.27866	.0959360	.4907278	7.834658	6.766974	.0794252
#3	-.87608	.1054940	.5053475	7.737713	6.784813	.0798347

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-13 Acquired: 12/24/2024 0:54:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031394	2.308185	3.000159	.0274712	.3622312	1.103160
Stddev	.0001410	.002472	.024743	.0019164	.0010399	.003744
%RSD	4.492173	.1070798	.8247328	6.975837	.2870881	.3394307
#1	.0032922	2.310436	3.017234	.0258079	.3627741	1.099488
#2	.0030141	2.308580	2.971783	.0295668	.3610322	1.103018
#3	.0031121	2.305540	3.011460	.0270390	.3628873	1.106973

Elem	Li6707
Units	ppm
Avg	.0792366
Stddev	.0009055
%RSD	1.142802
#1	.0781916
#2	.0797283
#3	.0797899

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2216.778	28630.25	2503.453	1859.000	1583.194
Stddev	4.374	235.58	11.972	16.573	2.175
%RSD	.1972934	.8228200	.4782233	.8915062	.1373647
#1	2211.784	28814.31	2490.068	1869.943	1580.938
#2	2218.625	28711.67	2513.138	1867.125	1585.277
#3	2219.926	28364.76	2507.155	1839.932	1583.368

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-14 Acquired: 12/24/2024 0:58:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0908186	-.048010	1.195441	.0675160	.0332575	70.42522
Stddev	.0005914	.001926	.002447	.0035903	.0033179	.39848
%RSD	.6511528	4.012436	.2046925	5.317701	9.976394	.5658149
#1	.0913650	-.050209	1.192864	.0681628	.0361390	69.97639
#2	.0901907	-.046619	1.197732	.0636463	.0340033	70.73738
#3	.0909001	-.047203	1.195729	.0707389	.0296302	70.56189

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.379484	.0076748	.0080626	149.6357	.1338819	.1057342
Stddev	.007366	.0001360	.0002268	.6951	.0005644	.0005698
%RSD	.5339361	1.771512	2.813355	.4645053	.4215967	.5388804
#1	1.372620	.0075636	.0081870	148.8342	.1343766	.1058932
#2	1.387265	.0078264	.0078008	150.0008	.1340019	.1062076
#3	1.378567	.0076345	.0082000	150.0722	.1332671	.1051018

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2853112	150.5677	4.483582	46.11279	.2104066	-.001152
Stddev	.0104785	.6358	.015180	.24711	.0003740	.000937
%RSD	3.672643	.4222458	.3385606	.5358788	.1777698	81.35844
#1	.2818467	149.8336	4.466356	45.85770	.2100912	-.000162
#2	.2970831	150.9393	4.494999	46.35105	.2103088	-.002025
#3	.2770036	150.9301	4.489391	46.12963	.2108198	-.001267

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.43436	.1845132	1.698667	13.00830	F 16.07328	.0791688
Stddev	.61184	.0087281	.017531	.09547	.03322	.0016238
%RSD	42.65562	4.730331	1.032045	.7338787	.2066897	2.051086
#1	-1.03891	.1753541	1.678424	12.92839	16.03734	.0772966
#2	-1.12508	.1927345	1.708875	12.98248	16.07966	.0801945
#3	-2.13910	.1854511	1.708701	13.11402	16.10286	.0800152

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-14 Acquired: 12/24/2024 0:58:34 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0108510	5.972616	4.567268	.0608223	.7922237	.1256798
Stddev	.0003361	.008045	.032642	.0019020	.0075775	.0004071
%RSD	3.097397	.1346920	.7147033	3.127187	.9564874	.3239143
#1	.0105293	5.966571	4.602327	.0629997	.7909286	.1258510
#2	.0108237	5.981747	4.561723	.0594847	.7853771	.1252151
#3	.0111998	5.969529	4.537753	.0599825	.8003653	.1259734

Elem	Li6707
Units	ppm
Avg	.1203988
Stddev	.0008921
%RSD	.7409346
#1	.1212137
#2	.1205372
#3	.1194457

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2541.274	32830.97	2741.478	2156.528	1810.456
Stddev	11.046	248.67	8.808	15.872	6.998
%RSD	.4346507	.7574302	.3212989	.7360004	.3865332
#1	2528.522	33064.28	2746.848	2170.637	1802.471
#2	2547.891	32859.27	2746.274	2159.604	1815.521
#3	2547.408	32569.36	2731.313	2139.343	1813.377

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-15 Acquired: 12/24/2024 1:02:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1218421	-.074071	1.358664	.0945694	.0507213	75.53753
Stddev	.0041377	.003715	.003300	.0023920	.0040489	.43100
%RSD	3.395964	5.015430	.2428899	2.529382	7.982718	.5705741
#1	.1232618	-.078056	1.356580	.0960893	.0460680	75.06495
#2	.1171814	-.070704	1.356943	.0958068	.0534405	75.63869
#3	.1250830	-.073452	1.362469	.0918122	.0526553	75.90895

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.540005	.0095623	.0092972	168.1046	.1360119	.1180125
Stddev	.007229	.0002085	.0000774	.9956	.0009314	.0004528
%RSD	.4694462	2.180848	.8325633	.5922237	.6847977	.3837217
#1	1.531899	.0096941	.0093800	167.0856	.1354827	.1183434
#2	1.542330	.0093219	.0092268	168.1532	.1354656	.1181976
#3	1.545786	.0096710	.0092847	169.0749	.1370874	.1174964

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2787584	210.9478	4.767883	49.07136	.2088068	-.002051
Stddev	.0019941	1.6416	.035340	.05918	.0006572	.000406
%RSD	.7153389	.7782000	.7412016	.1206097	.3147377	19.79336
#1	.2765581	209.2204	4.729837	49.01110	.2095442	-.002435
#2	.2792711	211.1354	4.774131	49.07356	.2082830	-.001626
#3	.2804461	212.4875	4.799683	49.12941	.2085933	-.002091

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.14223	.1992526	1.760335	12.73462	F 17.03595	.0756997
Stddev	.49453	.0051928	.025968	.05267	.01056	.0018958
%RSD	43.29520	2.606153	1.475184	.4136023	.0619810	2.504379
#1	-.59880	.2012430	1.740993	12.67416	17.02484	.0742854
#2	-1.56585	.2031557	1.789849	12.77054	17.03716	.0778538
#3	-1.26203	.1933590	1.750163	12.75917	17.04585	.0749598

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-15 Acquired: 12/24/2024 1:02:22 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS6 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0119660	5.296448	4.047483	.0704679	.8531269	.0851113
Stddev	.0007151	.017105	.052099	.0009162	.0101121	.0008995
%RSD	5.975837	.3229551	1.287202	1.300168	1.185299	1.056840
#1	.0116688	5.282210	4.093270	.0696631	.8414642	.0840748
#2	.0127818	5.291713	3.990796	.0714650	.8594480	.0855706
#3	.0114475	5.315423	4.058383	.0702757	.8584686	.0856883

Elem	Li6707
Units	ppm
Avg	.1298389
Stddev	.0036535
%RSD	2.813861
#1	.1298152
#2	.1261973
#3	.1335041

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2576.808	33240.77	2786.592	2183.178	1804.748
Stddev	3.571	116.19	22.103	12.302	1.886
%RSD	.1385641	.3495430	.7931846	.5634712	.1045207
#1	2574.283	33355.45	2778.357	2197.375	1805.811
#2	2580.893	33123.12	2811.630	2175.671	1805.863
#3	2575.248	33243.74	2769.789	2176.488	1802.570

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-16 Acquired: 12/24/2024 1:06:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1230770	-.046304	1.088150	.0654179	.0344971	70.57757
Stddev	.0034864	.001099	.001896	.0039811	.0028715	.46394
%RSD	2.832718	2.373478	.1742735	6.085675	8.323820	.6573504
#1	.1270532	-.046721	1.088869	.0608373	.0372551	70.04255
#2	.1216345	-.047134	1.089583	.0673721	.0347119	70.82156
#3	.1205433	-.045058	1.086000	.0680443	.0315242	70.86862

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.382537	.0078239	.0069069	116.9006	.1224494	.1131866
Stddev	.007536	.0000197	.0000600	.6779	.0010027	.0004314
%RSD	.5450983	.2517525	.8682105	.5798982	.8188638	.3811692
#1	1.374203	.0078337	.0069297	116.1556	.1233977	.1136339
#2	1.388872	.0078013	.0069521	117.4812	.1214000	.1127730
#3	1.384536	.0078368	.0068389	117.0650	.1225505	.1131529

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2302331	147.8881	4.069097	39.56248	.1753256	-.002241
Stddev	.0076206	1.2824	.037611	.26502	.0004962	.000669
%RSD	3.309945	.8671621	.9243133	.6698761	.2830292	29.85437
#1	.2301980	146.4983	4.027048	39.25912	.1753302	-.002550
#2	.2378712	149.0257	4.099531	39.74902	.1748271	-.002701
#3	.2226301	148.1403	4.080712	39.67930	.1758195	-.001474

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.35545	.1828858	1.257741	9.077726	F 13.86375	.0439153
Stddev	.63296	.0036065	.010510	.012392	.01053	.0015436
%RSD	46.69748	1.971971	.8356155	.1365049	.0759239	3.514843
#1	-.78352	.1861227	1.264194	9.083088	13.86635	.0421717
#2	-1.24732	.1835364	1.245613	9.063556	13.85216	.0451073
#3	-2.03551	.1789983	1.263415	9.086533	13.87273	.0444669

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-16 Acquired: 12/24/2024 1:06:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0230703	3.068160	3.723717	.0548114	.7297778	.1006581
Stddev	.0007921	.008431	.006405	.0021637	.0066649	.0007830
%RSD	3.433222	.2747994	.1720070	3.947518	.9132720	.7778299
#1	.0236862	3.064362	3.720036	.0570261	.7222185	.1014312
#2	.0221769	3.062295	3.720001	.0527027	.7323073	.0998656
#3	.0233479	3.077822	3.731113	.0547055	.7348076	.1006775

Elem	Li6707
Units	ppm
Avg	.1250302
Stddev	.0038280
%RSD	3.061620
#1	.1264013
#2	.1207055
#3	.1279837

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2666.713	34442.89	2878.346	2269.392	1894.624
Stddev	4.000	125.26	6.634	14.719	3.727
%RSD	.1500155	.3636810	.2304952	.6485726	.1967244
#1	2667.670	34300.03	2875.098	2253.173	1893.884
#2	2670.148	34494.72	2885.979	2273.105	1898.666
#3	2662.320	34533.92	2873.962	2281.900	1891.323

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-17 Acquired: 12/24/2024 1:10:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1054446	-.051424	.4109866	.0640765	.0355762	75.26418
Stddev	.0029205	.004976	.0024875	.0011110	.0005096	.33412
%RSD	2.769662	9.677156	.6052530	1.733832	1.432297	.4439361
#1	.1022628	-.056137	.4132911	.0642964	.0353750	74.88349
#2	.1060680	-.046221	.4113190	.0628721	.0361556	75.40024
#3	.1080031	-.051915	.4083495	.0650612	.0351979	75.50881

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.122644	.0078430	.0049506	213.1584	.1167888	.1125428
Stddev	.003635	.0001908	.0000591	1.0319	.0002221	.0005467
%RSD	.3237611	2.432744	1.194088	.4840882	.1901302	.4857973
#1	1.119069	.0077863	.0050110	211.9694	.1168594	.1131463
#2	1.126335	.0080557	.0048928	213.6867	.1165401	.1124016
#3	1.122527	.0076870	.0049481	213.8192	.1169670	.1120806

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1168119	160.8305	3.769765	69.26017	.1448483	-.002497
Stddev	.0064915	.7150	.021320	.34996	.0013458	.001329
%RSD	5.557185	.4445761	.5655393	.5052783	.9290935	53.22296
#1	.1226773	160.0400	3.745246	68.85658	.1459298	-.003322
#2	.1098373	161.0193	3.780116	69.47947	.1452738	-.000964
#3	.1179211	161.4321	3.783932	69.44446	.1433411	-.003204

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.41424	.2002113	.7776318	6.212172	F 12.80820	.0420233
Stddev	.31583	.0013600	.0110871	.025070	.02054	.0011489
%RSD	22.33176	.6792955	1.425756	.4035570	.1603577	2.733940
#1	-1.11510	.2016804	.7691779	6.234558	12.80772	.0406967
#2	-1.74445	.1999573	.7901848	6.216874	12.82897	.0426891
#3	-1.38318	.1989961	.7735328	6.185085	12.78790	.0426841

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-17 Acquired: 12/24/2024 1:10:01 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0061060	1.897087	4.097098	.0335333	.6662937	.0923066
Stddev	.0006474	.007350	.034763	.0021496	.0028277	.0002917
%RSD	10.60262	.3874545	.8484738	6.410271	.4243873	.3160324
#1	.0059961	1.888612	4.093571	.0357243	.6637163	.0920680
#2	.0055205	1.901709	4.133489	.0314277	.6658465	.0926318
#3	.0068013	1.900941	4.064232	.0334480	.6693183	.0922199

Elem	Li6707
Units	ppm
Avg	.1417986
Stddev	.0016939
%RSD	1.194557
#1	.1404129
#2	.1436869
#3	.1412961

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2581.416	33383.03	2787.386	2193.193	1780.928
Stddev	4.485	146.30	9.559	12.450	5.434
%RSD	.1737391	.4382524	.3429249	.5676577	.3050996
#1	2578.267	33281.28	2778.287	2180.239	1777.576
#2	2579.429	33550.69	2786.526	2205.069	1778.010
#3	2586.551	33317.11	2797.346	2194.273	1787.197

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-18 Acquired: 12/24/2024 1:13:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0631106	-.022774	.2412999	.0318616	.0283435	51.91771
Stddev	.0031164	.003633	.0034392	.0056011	.0031259	.45533
%RSD	4.937960	15.95000	1.425261	17.57957	11.02869	.8770284
#1	.0602568	-.018710	.2393959	.0290845	.0250422	51.39444
#2	.0664359	-.023910	.2392339	.0281918	.0287302	52.13502
#3	.0626392	-.025703	.2452700	.0383087	.0312580	52.22368

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5578644	.0055977	.0034658	F 862.7755	.0910715	.1063082
Stddev	.0040054	.0000720	.0001713	6.0069	.0005743	.0011377
%RSD	.7179884	1.286488	4.944072	.6962328	.6305988	1.070142
#1	.5532618	.0055848	.0036244	855.8524	.0917250	.1050001
#2	.5597717	.0055330	.0032841	865.8679	.0906469	.1068576
#3	.5605597	.0056753	.0034890	866.6062	.0908427	.1070668

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1046134	132.7732	4.609426	247.5908	.1162120	-.002678
Stddev	.0034723	1.1288	.035596	1.9164	.0004262	.000824
%RSD	3.319127	.8501353	.7722512	.7740210	.3667686	30.75494
#1	.1060711	131.4723	4.568431	245.3827	.1163842	-.001753
#2	.1071191	133.4924	4.627346	248.5682	.1157267	-.003331
#3	.1006499	133.3550	4.632501	248.8214	.1165253	-.002949

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.552543	.1570936	.6993052	4.188109	F 10.02342	.0429039
Stddev	.822452	.0050759	.0035471	.258040	.00659	.0004908
%RSD	148.8486	3.231126	.5072354	6.161248	.0657021	1.143857
#1	-1.05501	.1629425	.6959123	4.065753	10.02286	.0431329
#2	-.99921	.1544975	.6990148	4.484566	10.01713	.0432382
#3	.39660	.1538409	.7029886	4.014008	10.03027	.0423405

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-18 Acquired: 12/24/2024 1:13:50 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLS9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047364	1.666772	3.581525	.0742981	.7914935	.5649145
Stddev	.0007880	.004796	.023146	.0017921	.0091860	.0057431
%RSD	16.63803	.2877548	.6462699	2.412057	1.160597	1.016624
#1	.0056123	1.663736	3.572730	.0760156	.7838348	.5591087
#2	.0040848	1.664280	3.607780	.0744389	.7889675	.5650420
#3	.0045121	1.672302	3.564065	.0724397	.8016783	.5705927

Elem	Li6707
Units	ppm
Avg	.1045759
Stddev	.0041661
%RSD	3.983847
#1	.0998991
#2	.1078901
#3	.1059386

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2346.602	30541.82	2642.250	1986.447	1618.606
Stddev	4.729	162.28	12.014	14.147	3.515
%RSD	.2015465	.5313265	.4546883	.7121844	.2171726
#1	2341.295	30692.92	2656.000	1997.742	1614.621
#2	2350.371	30562.24	2636.966	1991.020	1619.931
#3	2348.140	30370.30	2633.782	1970.579	1621.266

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-19 Acquired: 12/24/2024 1:17:40 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLT0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0540544	-.007758	.2115062	.0183347	.0236528	43.13718
Stddev	.0044996	.003133	.0048670	.0089819	.0005125	1.27459
%RSD	8.324239	40.38115	2.301119	48.98875	2.166683	2.954735
#1	.0568547	-.009132	.2059021	.0117659	.0233201	42.77882
#2	.0488641	-.004173	.2139433	.0146683	.0233954	42.08014
#3	.0564444	-.009968	.2146733	.0285698	.0242430	44.55259

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4747815	.0047613	.0040972	F 1025.321	.0774527	.1077308
Stddev	.0125828	.0001905	.0001081	27.317	.0006204	.0009683
%RSD	2.650221	4.000113	2.637311	2.664245	.8009929	.8988048
#1	.4721224	.0048132	.0039725	1018.414	.0768711	.1070131
#2	.4637408	.0045502	.0041546	1002.121	.0773814	.1073471
#3	.4884813	.0049204	.0041644	1055.429	.0781057	.1088321

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1216729	117.6117	5.542642	200.9406	.1171928	-.002339
Stddev	.0049725	3.3456	.163815	5.8139	.0011201	.001229
%RSD	4.086771	2.844636	2.955545	2.893359	.9558096	52.56514
#1	.1206187	116.5451	5.493209	199.4382	.1178767	-.001720
#2	.1173120	114.9295	5.409236	196.0254	.1159001	-.003754
#3	.1270879	121.3606	5.725481	207.3583	.1178016	-.001541

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.603514	.1263653	.5994974	4.755483	8.129765	.0584450
Stddev	.384162	.0026507	.0153253	.125880	.009552	.0085708
%RSD	63.65413	2.097688	2.556364	2.647048	.1174889	14.66476
#1	-.336232	.1260997	.6020236	4.636057	8.127206	.0567885
#2	-1.04375	.1238573	.5830659	4.743440	8.121753	.0508234
#3	-.43056	.1291388	.6134026	4.886951	8.140335	.0677232

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-19 Acquired: 12/24/2024 1:17:40 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLT0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0041570	1.672015	3.702823	.0272331	.6984032	.7765066
Stddev	.0009372	.008591	.083054	.0026980	.0198078	.0225516
%RSD	22.54493	.5138001	2.243003	9.906907	2.836158	2.904239
#1	.0033930	1.663569	3.680681	.0291121	.6895064	.7720815
#2	.0038754	1.680744	3.633084	.0241416	.6846037	.7564955
#3	.0052028	1.671733	3.794705	.0284456	.7210995	.8009428

Elem	Li6707
Units	ppm
Avg	.0846637
Stddev	.0044063
%RSD	5.204474
#1	.0833333
#2	.0810760
#3	.0895819

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2279.501	29763.13	2620.920	1939.232	1584.729
Stddev	12.142	128.31	54.161	12.500	7.525
%RSD	.5326608	.4310993	2.066495	.6445832	.4748301
#1	2284.158	29735.25	2631.194	1937.565	1588.278
#2	2288.626	29903.08	2669.209	1952.482	1589.823
#3	2265.720	29651.05	2562.358	1927.650	1576.086

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-20 Acquired: 12/24/2024 1:21:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLT1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0424484	.0133880	.1652136	.0063068	.0185926	33.24700
Stddev	.0060442	.0067952	.0014193	.0091781	.0057508	.41178
%RSD	14.23891	50.75566	.8590500	145.5281	30.93063	1.238539
#1	.0371720	.0209244	.1639036	-.003209	.0240300	32.77848
#2	.0411304	.0077286	.1667214	.007024	.0191752	33.41104
#3	.0490428	.0115110	.1650158	.015105	.0125727	33.55147

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5987832	.0044307	.0050722	F 1778.283	.0573179	.1201605
Stddev	.0070197	.0000655	.0000678	15.031	.0005117	.0002018
%RSD	1.172326	1.478502	1.336325	.8452422	.8927570	.1679280
#1	.5907359	.0043574	.0051504	1761.852	.0578725	.1203924
#2	.6036474	.0044509	.0050325	1781.659	.0572173	.1200644
#3	.6019665	.0044837	.0050336	1791.339	.0568640	.1200247

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1655181	103.7979	8.064800	130.1767	.1199093	-.000890
Stddev	.0021331	1.2131	.109154	1.8578	.0008414	.001289
%RSD	1.288745	1.168755	1.353462	1.427148	.7016766	144.9138
#1	.1630591	102.4318	7.941448	128.0422	.1207988	-.000978
#2	.1668705	104.2126	8.104052	131.0581	.1198030	-.002132
#3	.1666248	104.7494	8.148900	131.4297	.1191262	.000442

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-2.25150	.0690155	.4997562	8.117672	3.070971	.0823992
Stddev	.47000	.0094018	.0220684	.348437	.009699	.0018168
%RSD	20.87503	13.62279	4.415833	4.292322	.3158196	2.204887
#1	-1.71185	.0637102	.5215742	7.716511	3.079036	.0803935
#2	-2.57119	.0798709	.5002486	8.344913	3.060209	.0839347
#3	-2.47145	.0634654	.4774457	8.291591	3.073669	.0828694

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-20 Acquired: 12/24/2024 1:21:30 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLT1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017691	2.600184	3.233303	.0302676	.2699280	1.994133
Stddev	.0010120	.008682	.043479	.0024894	.0024259	.018841
%RSD	57.20634	.3339149	1.344730	8.224733	.8987087	.9448243
#1	.0006999	2.601709	3.183474	.0278173	.2675605	1.972381
#2	.0027121	2.590840	3.263535	.0301910	.2724083	2.004680
#3	.0018953	2.608003	3.252898	.0327944	.2698152	2.005340

Elem	Li6707
Units	ppm
Avg	.0804137
Stddev	.0037427
%RSD	4.654362
#1	.0810689
#2	.0763866
#3	.0837856

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2150.627	27813.09	2461.942	1813.852	1553.574
Stddev	4.452	150.21	12.757	9.706	5.205
%RSD	.2070130	.5400756	.5181855	.5350779	.3350057
#1	2149.872	27664.44	2476.673	1805.389	1554.106
#2	2155.408	27964.81	2454.657	1824.446	1558.492
#3	2146.600	27810.02	2454.496	1811.723	1548.124

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-21 Acquired: 12/24/2024 1:25:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLT2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1250978	-.061122	2.303018	.0856017	.0464137	62.55844
Stddev	.0039352	.002667	.005621	.0040853	.0009302	.26730
%RSD	3.145660	4.364104	.2440673	4.772470	2.004070	.4272757
#1	.1240326	-.062229	2.299689	.0897726	.0472904	62.25381
#2	.1294558	-.063057	2.299858	.0816077	.0454380	62.75374
#3	.1218048	-.058079	2.309508	.0854248	.0465128	62.66778

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.643440	.0078346	.0110897	176.0320	.1562098	.1056805
Stddev	.003600	.0001453	.0000791	.3487	.0007286	.0008990
%RSD	.2190753	1.854373	.7134009	.1981054	.4664410	.8506670
#1	1.639640	.0078768	.0111254	175.6717	.1561376	.1056971
#2	1.646800	.0076729	.0111447	176.0564	.1555199	.1047733
#3	1.643881	.0079542	.0109990	176.3679	.1569718	.1065711

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3733179	189.6056	7.345125	40.88943	.1992234	-.002209
Stddev	.0088804	1.0619	.018493	.18377	.0013463	.000386
%RSD	2.378782	.5600713	.2517771	.4494250	.6757597	17.48245
#1	.3732094	188.3801	7.324308	40.69857	.1997344	-.002321
#2	.3644923	190.2560	7.351412	40.90454	.1976964	-.002526
#3	.3822521	190.1806	7.359656	41.06517	.2002393	-.001779

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.71529	.1936744	2.397394	7.463621	F 22.70844	.0725215
Stddev	.21723	.0032988	.017515	.110436	.05333	.0023922
%RSD	12.66420	1.703254	.7305968	1.479658	.2348316	3.298639
#1	-1.55040	.1964641	2.388471	7.580994	22.71633	.0713628
#2	-1.63402	.1945257	2.386137	7.361763	22.65161	.0709292
#3	-1.96143	.1900334	2.417574	7.448107	22.75738	.0752724

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-21 Acquired: 12/24/2024 1:25:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLT2 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0163503	6.573847	3.903800	.1334884	.9703912	.1572872
Stddev	.0004214	.016760	.009154	.0009144	.0069408	.0009975
%RSD	2.577420	.2549428	.2344985	.6849937	.7152590	.6342174
#1	.0168281	6.581060	3.904787	.1335115	.9633966	.1582253
#2	.0161915	6.554689	3.912421	.1325627	.9705000	.1562393
#3	.0160314	6.585793	3.894192	.1343911	.9772769	.1573971

Elem	Li6707
Units	ppm
Avg	.0682942
Stddev	.0043369
%RSD	6.350290
#1	.0652971
#2	.0732672
#3	.0663183

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2407.834	31086.15	2603.792	2045.433	1823.347
Stddev	11.077	210.76	8.763	12.582	9.263
%RSD	.4600397	.6779763	.3365481	.6151327	.5080242
#1	2413.961	31170.82	2612.912	2042.259	1827.143
#2	2414.495	31241.41	2603.027	2059.298	1830.110
#3	2395.047	30846.22	2595.436	2034.742	1812.789

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-22 Acquired: 12/24/2024 1:29:19 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLT3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1303711	-.067317	1.974927	.0907027	.0467889	54.41992
Stddev	.0023688	.005866	.005515	.0018463	.0025808	.21899
%RSD	1.816946	8.714528	.2792750	2.035587	5.515925	.4024156
#1	.1288643	-.060935	1.973935	.0899820	.0438369	54.18297
#2	.1331014	-.072474	1.969975	.0893254	.0479111	54.46190
#3	.1291477	-.068543	1.980872	.0928007	.0486186	54.61489

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.408020	.0076075	.0105995	187.5077	.1359739	.1016473
Stddev	.004208	.0001454	.0001830	.5949	.0007191	.0006031
%RSD	.2988823	1.910869	1.725981	.3172463	.5288602	.5932866
#1	1.403163	.0077715	.0107240	186.8412	.1360873	.1012629
#2	1.410571	.0075567	.0106851	187.6971	.1352048	.1013367
#3	1.410326	.0074943	.0103895	187.9848	.1366295	.1023424

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2804171	200.8365	7.246900	47.90964	.1844354	-.001550
Stddev	.0050112	.6085	.023134	.27993	.0002893	.001768
%RSD	1.787041	.3029855	.3192234	.5842923	.1568314	114.0943
#1	.2781574	200.1345	7.220300	47.58791	.1843538	-.000285
#2	.2861601	201.1608	7.262320	48.04346	.1847567	-.000795
#3	.2769336	201.2142	7.258079	48.09755	.1841957	-.003571

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.621565	.1704843	2.067252	5.480579	F 17.51900	.0631086
Stddev	1.284464	.0106727	.010266	.100737	.00475	.0014369
%RSD	206.6500	6.260227	.4965999	1.838067	.0271227	2.276927
#1	-2.09066	.1755935	2.078851	5.364356	17.52364	.0642722
#2	-.06356	.1582174	2.059334	5.534565	17.51923	.0615024
#3	.28953	.1776420	2.063572	5.542816	17.51414	.0635512

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5091-22 Acquired: 12/24/2024 1:29:19 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLT3 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0187344	5.245976	3.616623	.1231388	.8296288	.1079967
Stddev	.0006367	.011937	.015684	.0020238	.0052800	.0004657
%RSD	3.398616	.2275541	.4336711	1.643525	.6364250	.4312521
#1	.0181151	5.239237	3.605827	.1208149	.8235594	.1075677
#2	.0193872	5.238932	3.609429	.1240874	.8331631	.1079305
#3	.0187009	5.259759	3.634614	.1245141	.8321639	.1084920

Elem	Li6707
Units	ppm
Avg	.0563891
Stddev	.0006633
%RSD	1.176332
#1	.0557770
#2	.0570939
#3	.0562964

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2370.850	30745.74	2572.730	2028.406	1821.821
Stddev	7.144	109.66	5.646	10.236	5.443
%RSD	.3013318	.3566514	.2194585	.5046265	.2987621
#1	2374.504	30619.64	2572.447	2016.949	1825.302
#2	2375.428	30798.87	2578.512	2031.620	1824.612
#3	2362.618	30818.71	2567.230	2036.650	1815.548

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: PB165740BL Acquired: 12/24/2024 1:33:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS740 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002290	.0017081	-.002195	.0038747	-.001374	.0394015	.0009004
Stddev	.004627	.0031681	.002153	.0039732	.003784	.0059978	.0023264
%RSD	202.0716	185.4747	98.07822	102.5428	275.4008	15.22239	258.3773
#1	-.006943	.0005343	-.001818	.0031691	.001248	.0428706	-.001114
#2	-.002236	.0052957	-.000256	.0003015	-.005713	.0324758	.003446
#3	.002310	-.000706	-.004511	.0081534	.000342	.0428581	.000369

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000077	-.000160	.0017413	-.000332	-.000199	.0028520	.0162508
Stddev	.000095	.000087	.0248812	.000357	.000827	.0025245	.0290041
%RSD	124.1309	54.43592	1428.927	107.5593	416.2515	88.51728	178.4781
#1	-.000009	-.000224	-.016960	-.000399	.000710	-.000033	.0193023
#2	-.000186	-.000061	.029980	.000054	-.000398	.004657	-.014158
#3	-.000036	-.000196	-.007796	-.000650	-.000908	.003932	.043608

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034560	.0251098	.0003606	-.000760	-1.02998	.0095074	.0027004
Stddev	.0008120	.0864965	.0003148	.000704	.68648	.0046682	.0143514
%RSD	23.49624	344.4729	87.31179	92.56388	66.65019	49.10131	531.4562
#1	.0025506	-.064236	.0003856	-.001346	-.93825	.0141732	-.001583
#2	.0036979	.108443	.0000340	.000020	-.39397	.0095122	-.009021
#3	.0041197	.031123	.0006622	-.000954	-1.75772	.0048367	.018706

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.24314	.0032631	-.007432	.0005310	-.002159	-.082797	-.000994
Stddev	.08785	.0020299	.001901	.0004842	.004542	.000376	.000965
%RSD	7.066977	62.20811	25.58119	91.17489	210.3972	.4546769	97.12361
#1	-1.26098	.0010828	-.006007	.0005143	.002994	-.082455	-.001129
#2	-1.14773	.0036080	-.006699	.0000554	-.005583	-.083200	.000032
#3	-1.32070	.0050983	-.009591	.0010233	-.003887	-.082736	-.001885

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: PB165740BL Acquired: 12/24/2024 1:33:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBS740 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	-.001338	-.000013	-.009148
Stddev	.004826	.000225	.003047
%RSD	360.7872	1791.778	33.30958
#1	-.000279	-.000100	-.012667
#2	-.006605	.000243	-.007403
#3	.002871	-.000181	-.007375

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2085.734	27226.62	2217.230	1794.186	1876.964
Stddev	16.258	75.20	14.793	5.518	13.643
%RSD	.7795037	.2761963	.6671881	.3075757	.7268576
#1	2104.326	27311.62	2202.395	1797.045	1892.661
#2	2074.179	27168.76	2217.313	1787.825	1870.260
#3	2078.699	27199.48	2231.981	1797.689	1867.969

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: PB165740BS Acquired: 12/24/2024 1:37:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS740 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0194646	.0450499	.0188642	.0597409	.1074041	.4107177
Stddev	.0032206	.0032447	.0008449	.0034624	.0013060	.0237184
%RSD	16.54595	7.202449	4.479008	5.795672	1.216006	5.774878
#1	.0216507	.0487096	.0189740	.0633272	.1081246	.4378268
#2	.0209769	.0439148	.0179697	.0594783	.1081912	.4005377
#3	.0157662	.0425252	.0196488	.0564173	.1058965	.3937886

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3831392	.0095417	.0094334	9.451467	.0194434	.0999822
Stddev	.0020007	.0002431	.0000903	.065701	.0005112	.0006739
%RSD	.5221875	2.547510	.9569270	.6951389	2.629319	.6740270
#1	.3811185	.0093341	.0093417	9.432351	.0189121	.0992351
#2	.3831799	.0098090	.0094364	9.397445	.0194862	.1001674
#3	.3851193	.0094819	.0095221	9.524607	.0199319	.1005442

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0514601	.1980625	.0316341	9.699988	.0754868	.0167178
Stddev	.0106176	.0096378	.0014234	.162663	.0006327	.0013443
%RSD	20.63269	4.866025	4.499583	1.676944	.8381534	8.041107
#1	.0636167	.1906278	.0301279	9.516839	.0747576	.0165255
#2	.0440044	.1946083	.0318175	9.827641	.0758897	.0181479
#3	.0467592	.2089514	.0329569	9.755484	.0758131	.0154800

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.562186	.0948255	.1158088	7.618661	.0206462	F -.008032
Stddev	1.168724	.0076215	.0112330	.168169	.0030992	.001638
%RSD	15.45484	8.037357	9.699575	2.207333	15.01101	20.39207
#1	8.685445	.0975091	.1219853	7.530290	.0176114	-.008972
#2	7.648346	.0862252	.1028429	7.513100	.0238060	-.008984
#3	6.352766	.1007422	.1225982	7.812592	.0205213	-.006141

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: PB165740BS Acquired: 12/24/2024 1:37:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS740 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0201454	.1734819	F .3695818	.0144456	.1911931	.1958770
Stddev	.0002990	.0020325	.0034943	.0016365	.0016585	.0000927
%RSD	1.484083	1.171576	.9454644	11.32879	.8674272	.0473077
#1	.0202461	.1713486	.3674972	.0154153	.1892892	.1958079
#2	.0203811	.1737015	.3736159	.0125561	.1919660	.1958408
#3	.0198091	.1753957	.3676324	.0153652	.1923240	.1959823

Elem	Li6707
Units	ppm
Avg	F .0177466
Stddev	.0073878
%RSD	41.62913
#1	.0124704
#2	.0145796
#3	.0261899

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2080.912	26880.42	2196.300	1766.114	1868.889
Stddev	4.927	124.23	13.571	7.993	5.098
%RSD	.2367486	.4621497	.6179160	.4525959	.2727770
#1	2078.850	26737.16	2201.805	1760.284	1867.748
#2	2086.535	26958.39	2180.841	1775.226	1874.461
#3	2077.352	26945.71	2206.253	1762.832	1864.458

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5015-02 Acquired: 12/24/2024 1:41:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK13 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003432	-.002429	-.000017	-.000861	-.001198	.0517208	.0007103
Stddev	.000972	.003171	.002285	.002867	.001977	.0301218	.0025547
%RSD	28.31662	130.5613	13822.42	333.0295	165.0825	58.23924	359.6504
#1	-.004509	-.002508	-.000220	-.003289	.001061	.0234050	-.000496
#2	-.003165	-.005559	.002363	.002302	-.002036	.0483863	-.001018
#3	-.002621	.000781	-.002193	-.001595	-.002618	.0833712	.003645

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000788	-.000008	.1210893	-.000351	-.000221	-.005093	.0166982
Stddev	.0000565	.000036	.0429334	.000957	.000450	.006289	.0434032
%RSD	71.61240	443.1262	35.45597	272.9062	203.1180	123.4750	259.9284
#1	.0000647	.000022	.1332765	-.001348	.000248	-.010490	.0577548
#2	.0000308	-.000047	.1566115	.000560	-.000263	-.006603	.0210617
#3	.0001410	.000001	.0733798	-.000264	-.000649	.001813	-.028722

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0129821	.1294466	.0003047	-.001595	-1.04740	.0062304	-.011724
Stddev	.0010233	.0289599	.0005482	.001406	.64839	.0138129	.005832
%RSD	7.882014	22.37208	179.8911	88.11309	61.90413	221.7030	49.74287
#1	.0140686	.1610420	.0006825	.000011	-.57068	.0211972	-.014390
#2	.0128409	.1231342	.0005557	-.002195	-1.78572	-.006027	-.005036
#3	.0120367	.1041635	-.000324	-.002602	-.78581	.003521	-.015747

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-3.45311	.0046746	-.005238	.0006603	.0581750	-.072133	-.001435
Stddev	.05762	.0010470	.002085	.0003554	.0029987	.001485	.001821
%RSD	1.668753	22.39673	39.80914	53.81559	5.154623	2.058395	126.9397
#1	-3.44485	.0058834	-.002882	.0002542	.0615665	-.072657	-.002853
#2	-3.51442	.0040835	-.006844	.0009140	.0570833	-.073285	.000619
#3	-3.40006	.0040568	-.005990	.0008129	.0558750	-.070457	-.002071

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5015-02 Acquired: 12/24/2024 1:41:08 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHK13 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0039086	.0001949	-.026307
Stddev	.0035778	.0000560	.002833
%RSD	91.53682	28.75226	10.76900
#1	-.000036	.0002097	-.025047
#2	.004818	.0001329	-.029552
#3	.006944	.0002420	-.024323

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2153.542	27969.05	2299.094	1846.402	1949.274
Stddev	11.388	132.53	65.846	7.161	9.871
%RSD	.5288099	.4738560	2.863986	.3878592	.5064096
#1	2164.984	28120.96	2303.184	1854.515	1958.208
#2	2153.434	27877.05	2362.800	1840.960	1950.937
#3	2142.208	27909.14	2231.299	1843.731	1938.677

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5033-21 Acquired: 12/24/2024 1:45:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKQ4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057036	.0009469	-.000927	.0017850	-.000565	.0851878	.0012974
Stddev	.0037920	.0027678	.001944	.0010654	.000622	.0242490	.0007909
%RSD	66.48533	292.3146	209.7746	59.68450	110.1314	28.46533	60.96355
#1	.0100057	.0011692	-.000745	.0009196	-.000346	.0836829	.0011211
#2	.0028464	.0035969	.000920	.0029749	-.000081	.1101541	.0021615
#3	.0042587	-.001925	-.002955	.0014605	-.001266	.0617263	.0006095

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000540	-.000074	.1251497	-.001547	.0001868	.0002322	.0315439
Stddev	.0000536	.000049	.0340078	.000188	.0000481	.0024484	.0204904
%RSD	99.20695	65.88095	27.17373	12.14556	25.77549	1054.362	64.95828
#1	.0001106	-.000128	.0865208	-.001649	.0002408	.0030547	.0539631
#2	.0000474	-.000063	.1383495	-.001663	.0001713	-.001038	.0268831
#3	.0000040	-.000032	.1505788	-.001331	.0001484	-.001320	.0137854

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053356	.1119938	.0009578	-.001470	-1.38046	.0015921	.0088831
Stddev	.0018150	.0276292	.0004502	.000342	.63413	.0069746	.0164035
%RSD	34.01727	24.67030	47.00169	23.24653	45.93602	438.0638	184.6588
#1	.0041885	.0870186	.0009558	-.001094	-.66557	-.003687	.0078126
#2	.0043902	.1072897	.0014089	-.001762	-1.60070	-.001036	.0257956
#3	.0074282	.1416730	.0005086	-.001556	-1.87510	.009499	-.006959

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-3.50996	.0104037	-.008049	.0003767	.0239399	-.067543	-.000566
Stddev	.09201	.0019184	.001614	.0002814	.0046934	.000304	.000908
%RSD	2.621286	18.43955	20.05762	74.70397	19.60493	.4501440	160.4610
#1	-3.58508	.0113822	-.008730	.0006037	.0292231	-.067196	-.000606
#2	-3.40734	.0116355	-.006205	.0000618	.0223443	-.067675	-.001453
#3	-3.53746	.0081933	-.009211	.0004646	.0202523	-.067760	.000361

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5033-21 Acquired: 12/24/2024 1:45:09 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHKQ4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0010037	.0002413	-.027453
Stddev	.0045311	.0001042	.004830
%RSD	451.4349	43.16353	17.59254
#1	.0041316	.0001216	-.023194
#2	-.004192	.0002913	-.026465
#3	.003072	.0003111	-.032700

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2129.492	28212.44	2216.365	1867.266	1926.065
Stddev	21.324	1019.99	14.754	73.241	17.411
%RSD	1.001368	3.615406	.6657069	3.922363	.9039619
#1	2125.588	27528.62	2230.728	1817.290	1920.550
#2	2152.499	27723.88	2217.120	1833.169	1945.566
#3	2110.390	29384.82	2201.247	1951.339	1912.081

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5059-20 Acquired: 12/24/2024 1:49:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLD7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007093	.0004251	-.001400	.0031490	-.001656	.0508114	.0003909
Stddev	.0016613	.0027887	.000659	.0003721	.002051	.0457754	.0012340
%RSD	234.2206	655.9779	47.07788	11.81776	123.8479	90.08874	315.6913
#1	-.000053	-.001657	-.002141	.0029256	-.001596	.0715645	.0016542
#2	-.000434	-.000661	-.001183	.0035786	.000364	.0825344	-.000812
#3	.002615	.003593	-.000877	.0029428	-.003735	-.001665	.000330

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000319	-.000019	.0467782	.0002910	-.000215	-.002318	.0294987
Stddev	.0001292	.000035	.0117818	.0008227	.000050	.007165	.0284792
%RSD	405.5566	184.5093	25.18655	282.7824	23.22506	309.0678	96.54373
#1	-.000091	.000021	.0352591	.0010318	-.000261	.002338	-.003148
#2	.000167	-.000044	.0588062	-.000595	-.000222	-.010569	.049242
#3	.000019	-.000034	.0462692	.000436	-.000162	.001276	.042403

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026588	.1324405	.0026453	-.000558	-1.09704	.0095263	.0066393
Stddev	.0015131	.1174477	.0006028	.000565	.24096	.0088907	.0104226
%RSD	56.90954	88.67954	22.78884	101.0872	21.96426	93.32723	156.9831
#1	.0009388	.1064077	.0028606	-.000470	-1.05984	-.000739	.0158601
#2	.0037846	.0301935	.0031109	-.000043	-1.35444	.014793	.0087269
#3	.0032530	.2607204	.0019643	-.001162	-.87685	.014524	-.004669

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-3.46515	.0047688	-.007852	-.000009	-.001406	-.075548	-.002205
Stddev	.11424	.0009911	.002227	.000892	.003807	.000714	.001286
%RSD	3.296876	20.78234	28.36520	9575.617	270.7445	.9448729	58.28836
#1	-3.43460	.0036301	-.006832	.000467	-.003105	-.076172	-.003341
#2	-3.36929	.0054368	-.010406	-.001039	-.004069	-.075702	-.002466
#3	-3.59156	.0052395	-.006317	.000544	.002955	-.074770	-.000810

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5059-20 Acquired: 12/24/2024 1:49:10 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLD7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0010728	.0002721	-.027714
Stddev	.0080585	.0003534	.003643
%RSD	751.1434	129.8948	13.14409
#1	-.005141	.0005343	-.030250
#2	-.001819	.0004118	-.029352
#3	.010178	-.000130	-.023540

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2151.454	27891.83	2257.514	1843.521	1944.274
Stddev	5.814	194.65	71.087	12.119	7.430
%RSD	.2702341	.6978880	3.148908	.6573695	.3821358
#1	2157.958	28114.95	2229.463	1857.127	1952.276
#2	2149.644	27803.76	2338.347	1833.887	1942.952
#3	2146.761	27756.77	2204.733	1839.548	1937.594

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5059-21 Acquired: 12/24/2024 1:53:11 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLD8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011240	.0001325	-.002035	.0010023	-.001480	.0465843	.0008912
Stddev	.0116032	.0015545	.000821	.0018730	.002089	.0244077	.0005424
%RSD	1032.316	1173.359	40.37042	186.8731	141.1654	52.39475	60.86372
#1	-.003387	-.001662	-.001917	.0017234	.000908	.0504275	.0006533
#2	.014305	.001069	-.001278	.0024075	-.002971	.0688424	.0015119
#3	-.007546	.000990	-.002909	-.001124	-.002376	.0204830	.0005084

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001227	.0000395	.0754278	-.001258	.0000844	-.004351	.0221573
Stddev	.0000994	.0000836	.0373090	.000504	.0004109	.007796	.0251641
%RSD	81.02098	211.4788	49.46323	40.07659	486.7595	179.1630	113.5702
#1	.0000081	.0000080	.1185073	-.001485	.0005328	-.006572	.0339513
#2	.0001861	.0001343	.0536023	-.000680	-.000005	-.010796	-.006738
#3	.0001740	-.000024	.0541738	-.001609	-.000274	.004314	.039258

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019164	-.032028	.0003228	-.000965	-.994659	.0060280	-.006748
Stddev	.0010647	.101687	.0004531	.001084	.081960	.0073050	.000992
%RSD	55.55869	317.4977	140.3849	112.3166	8.240045	121.1833	14.70503
#1	.0017155	-.022212	-.000021	-.001088	-1.06726	.0037844	-.007177
#2	.0009665	.064396	.000836	-.001983	-1.01093	.0141917	-.007453
#3	.0030673	-.138267	.000153	.000175	-.90578	.0001080	-.005613

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-3.38996	.0021817	-.007200	-.000340	-.001491	-.070693	-.002010
Stddev	.16200	.0005605	.002087	.000545	.000518	.001594	.001419
%RSD	4.778822	25.69070	28.97945	160.4593	34.76439	2.255333	70.62128
#1	-3.45749	.0017275	-.004793	.000062	-.001293	-.068864	-.002055
#2	-3.20511	.0028081	-.008490	-.000960	-.002080	-.071429	-.000568
#3	-3.50726	.0020095	-.008318	-.000121	-.001101	-.071787	-.003406

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5059-21 Acquired: 12/24/2024 1:53:11 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLD8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0018266	.0004159	-.029430
Stddev	.0028559	.0002364	.002352
%RSD	156.3542	56.83402	7.991521
#1	.0005945	.0003525	-.029984
#2	.0050917	.0006776	-.031456
#3	-.000207	.0002177	-.026851

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2139.869	27634.24	2198.283	1824.914	1934.067
Stddev	5.907	335.35	21.348	20.550	4.269
%RSD	.2760414	1.213548	.9711409	1.126094	.2207038
#1	2140.396	27381.10	2221.536	1812.342	1933.611
#2	2133.716	27507.03	2179.569	1813.772	1930.045
#3	2145.495	28014.59	2193.743	1848.629	1938.545

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5092-20 Acquired: 12/24/2024 1:57:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM40 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012475	.0025984	-.001039	.0020798	-.001815	.0313244	.0014993
Stddev	.0069608	.0035985	.000755	.0032866	.001460	.0091225	.0008169
%RSD	557.9783	138.4903	72.70524	158.0235	80.46047	29.12249	54.48958
#1	-.000138	-.000810	-.001808	-.001569	-.001419	.0416083	.0005900
#2	.008797	.006361	-.000298	.004809	-.003433	.0281572	.0021714
#3	-.004916	.002244	-.001010	.002999	-.000594	.0242077	.0017364

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000132	-.000085	.0443032	-.001750	.0000284	.0033244	.0275875
Stddev	.0001023	.000099	.0422559	.000747	.0001255	.0137733	.0330439
%RSD	777.1361	115.6716	95.37894	42.69312	442.4336	414.3050	119.7785
#1	-.000027	-.000114	-.001856	-.000936	.0000908	-.006816	.0147618
#2	-.000063	-.000167	.081077	-.002404	-.000116	.019005	.0651215
#3	.000129	.000024	.053688	-.001909	.000110	-.002216	.0028792

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019783	.0194376	.0004062	-.001508	-1.24452	.0108344	-.006648
Stddev	.0010628	.0078952	.0003481	.000128	.66939	.0066165	.008649
%RSD	53.72435	40.61827	85.70332	8.466538	53.78679	61.06907	130.0929
#1	.0009624	.0114239	.0007742	-.001533	-.95649	.0045069	-.000010
#2	.0018899	.0272088	.0000821	-.001621	-.76737	.0102902	-.003506
#3	.0030826	.0196803	.0003624	-.001370	-2.00972	.0177062	-.016429

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-3.62395	.0050955	-.006870	.0002132	.0064060	-.078793	-.001997
Stddev	.07390	.0011608	.001428	.0004866	.0011586	.000737	.001254
%RSD	2.039158	22.77992	20.78134	228.2262	18.08668	.9353614	62.79698
#1	-3.59235	.0061945	-.005296	.0007745	.0061527	-.079611	-.001826
#2	-3.57110	.0052105	-.008081	-.000089	.0053950	-.078180	-.000838
#3	-3.70839	.0038816	-.007233	-.000045	.0076703	-.078588	-.003328

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5092-20 Acquired: 12/24/2024 1:57:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHM40 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	-.000050	.0001767	-.034079
Stddev	.004326	.0003052	.004056
%RSD	8719.701	172.7467	11.90039
#1	.002013	.0004581	-.031643
#2	.002859	.0002196	-.031834
#3	-.005021	-.000148	-.038761

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2125.727	27715.24	2259.708	1838.503	1922.937
Stddev	11.249	169.92	20.750	5.204	9.241
%RSD	.5291701	.6130905	.9182397	.2830353	.4805814
#1	2138.532	27601.30	2245.215	1838.319	1933.592
#2	2121.206	27633.89	2283.478	1833.393	1918.118
#3	2117.441	27910.55	2250.432	1843.796	1917.102

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5132-21 Acquired: 12/24/2024 2:01:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMN5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000218	.0024138	-.003045	.0018157	-.000955	.0694758	.0001178
Stddev	.002037	.0022498	.002119	.0072139	.002163	.0073843	.0009998
%RSD	935.4077	93.20386	69.57958	397.3119	226.5089	10.62867	848.9271
#1	.000728	.0004134	-.000708	-.006323	.001150	.0644197	-.001020
#2	-.002556	.0048493	-.003586	.007420	-.003171	.0660579	.000855
#3	.001174	.0019786	-.004841	.004350	-.000843	.0779499	.000519

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000121	-.000017	.0709031	-.001153	.0001253	-.002527	.0414868
Stddev	.000062	.000037	.0158506	.001126	.0003766	.003777	.0108945
%RSD	50.92509	214.6351	22.35529	97.67424	300.4953	149.4554	26.26002
#1	-.000051	-.000059	.0700215	-.002202	-.000290	-.000934	.0408920
#2	-.000169	.000015	.0871760	.000037	.000223	-.006840	.0526665
#3	-.000143	-.000009	.0555117	-.001295	.000444	.000192	.0309020

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0029426	.1678181	.0007404	-.001662	-1.63866	.0063067	.0080453
Stddev	.0005991	.0793338	.0001794	.000285	.37945	.0086266	.0072583
%RSD	20.36094	47.27370	24.22835	17.16029	23.15576	136.7843	90.21826
#1	.0027530	.2525693	.0009073	-.001517	-1.67511	-.000617	.0160559
#2	.0036136	.1555555	.0005507	-.001478	-1.99857	.003567	.0061744
#3	.0024612	.0953296	.0007633	-.001990	-1.24231	.015971	.0019055

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-3.50253	.0020051	-.008390	-.000003	.0121246	-.082269	-.001951
Stddev	.11179	.0026162	.003647	.000298	.0057313	.000239	.001213
%RSD	3.191725	130.4791	43.47299	9876.541	47.26999	.2910366	62.15992
#1	-3.39004	.0039585	-.004245	-.000071	.0184399	-.082503	-.000623
#2	-3.61361	-.000967	-.009814	-.000261	.0072537	-.082024	-.002999
#3	-3.50394	.003024	-.011110	.000322	.0106802	-.082279	-.002231

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5132-21 Acquired: 12/24/2024 2:01:13 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHMN5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0004137	.0000926	-.031398
Stddev	.0022875	.0001638	.001204
%RSD	553.0077	176.9618	3.834318
#1	.0029928	.0001474	-.032782
#2	-.000382	.0002219	-.030593
#3	-.001370	-.000092	-.030819

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2130.500	27440.07	2215.254	1817.428	1924.916
Stddev	9.700	71.60	16.300	6.020	5.998
%RSD	.4552840	.2609191	.7357963	.3312207	.3115942
#1	2119.635	27455.76	2232.078	1817.146	1918.802
#2	2133.573	27361.93	2214.149	1811.554	1925.154
#3	2138.291	27502.52	2199.534	1823.583	1930.791

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5200-15 Acquired: 12/24/2024 2:05:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNJ3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004105	.0014180	-.001756	.0008796	-.000848	.0273913	.0007009
Stddev	.002772	.0019758	.002065	.0030836	.001424	.0060606	.0010951
%RSD	67.53247	139.3353	117.5932	350.5856	167.9769	22.12586	156.2559
#1	-.005049	.0036750	-.001873	-.001562	.000729	.0313944	.0019651
#2	-.000984	.0005782	.000365	.004345	-.001234	.0303609	.0000442
#3	-.006281	.0000009	-.003759	-.000145	-.002039	.0204187	.0000932

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000627	-.000027	.0949169	-.002173	.0001755	.0011163	.0057297
Stddev	.0001107	.000108	.0024665	.000978	.0006477	.0071226	.0258908
%RSD	176.4209	403.7712	2.598591	45.00480	369.1164	638.0488	451.8666
#1	-.000010	-.000135	.0946296	-.003051	-.000561	.0070550	-.023027
#2	.000008	.000080	.0975145	-.002349	.000429	-.006781	.013028
#3	.000190	-.000026	.0926066	-.001119	.000658	.003074	.027188

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0114714	.0658962	.0002220	-.000676	-1.27598	.0094126	-.009990
Stddev	.0011531	.0453948	.0001679	.001690	.56881	.0043383	.006078
%RSD	10.05202	68.88827	75.60617	249.9607	44.57849	46.09011	60.83933
#1	.0102576	.1011766	.0000775	-.001874	-1.91081	.0124917	-.009337
#2	.0125522	.0818292	.0001824	-.001410	-.81266	.0112952	-.004265
#3	.0116044	.0146829	.0004061	.001257	-1.10446	.0044511	-.016368

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-3.40158	.0059661	-.007261	-.000272	.0455656	-.081078	-.001040
Stddev	.22761	.0020080	.002434	.000309	.0011047	.000466	.001677
%RSD	6.691213	33.65642	33.52042	113.7201	2.424384	.5742246	161.3695
#1	-3.18302	.0048899	-.006365	.000084	.0464992	-.080671	-.000864
#2	-3.38445	.0082828	-.010016	-.000432	.0443460	-.081586	.000543
#3	-3.63726	.0047257	-.005402	-.000467	.0458515	-.080977	-.002798

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5200-15 Acquired: 12/24/2024 2:05:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNJ3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	-.000112	.0001849	-.029888
Stddev	.005368	.0000983	.001102
%RSD	4812.940	53.15783	3.688179
#1	.005344	.0001973	-.029488
#2	-.000292	.0000810	-.029042
#3	-.005386	.0002763	-.031135

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2166.388	28123.40	2258.140	1856.766	1960.126
Stddev	7.958	81.47	20.819	4.535	3.996
%RSD	.3673556	.2896704	.9219334	.2442627	.2038533
#1	2174.549	28216.52	2249.683	1861.371	1964.302
#2	2158.649	28088.34	2281.856	1856.623	1956.339
#3	2165.965	28065.33	2242.880	1852.304	1959.735

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCV029 Acquired: 12/24/2024 2:09:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV029 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.804805	4.530642	23.25510	4.710683	4.831697	378.1683
Stddev	.008539	.012167	.04049	.010744	.016510	7.7892
%RSD	.1777233	.2685555	.1740943	.2280779	.3416961	2.059717
#1	4.798397	4.518104	23.20869	4.702985	4.831237	376.1008
#2	4.801520	4.542401	23.27342	4.706106	4.815422	371.6215
#3	4.814499	4.531420	23.28318	4.722957	4.848432	386.7827

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.524010	.4637434	2.358348	380.2233	14.91048	2.449232
Stddev	.195868	.0088065	.003249	8.1597	.03927	.003627
%RSD	2.056566	1.899013	.1377558	2.146038	.2633842	.1480881
#1	9.500994	.4643928	2.354625	376.8424	14.94127	2.445049
#2	9.340667	.4546302	2.359811	374.2974	14.92391	2.451137
#3	9.730369	.4722073	2.360608	389.5300	14.86625	2.451510

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.02251	379.6799	13.95303	374.8157	2.352369	1.209156
Stddev	.33449	7.9627	.26709	7.6194	.004661	.000459
%RSD	2.385354	2.097204	1.914203	2.032839	.1981415	.0379871
#1	13.86687	378.5988	13.90101	373.3244	2.347297	1.208629
#2	13.79421	372.3130	13.71578	368.0523	2.353346	1.209475
#3	14.40646	388.1279	14.24231	383.0706	2.356464	1.209362

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	366.0467	2.346132	14.38852	137.7690	4.669209	4.657432
Stddev	8.0229	.046017	.14290	2.9126	.011513	.085278
%RSD	2.191774	1.961381	.9931616	2.114150	.2465711	1.831012
#1	366.6424	2.341223	14.22353	136.6505	4.658926	4.666483
#2	357.7425	2.302766	14.46855	135.5814	4.681647	4.567989
#3	373.7551	2.394406	14.47346	141.0751	4.667054	4.737823

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCV029 Acquired: 12/24/2024 2:09:15 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV029 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.689230	4.792282	F 4.478529	4.714813	4.698855	4.541948
Stddev	.013511	.011904	.067805	.008984	.103787	.102117
%RSD	.2881214	.2483944	1.514002	.1905492	2.208779	2.248309
#1	4.692092	4.783097	4.490696	4.708828	4.638841	4.474983
#2	4.674518	4.805731	4.405464	4.710467	4.639027	4.491379
#3	4.701081	4.788019	4.539427	4.725144	4.818699	4.659482

Elem	Li6707
Units	ppm
Avg	4.660582
Stddev	.104556
%RSD	2.243421
#1	4.634284
#2	4.571684
#3	4.775776

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1804.495	24362.56	2148.404	1516.467	1577.041
Stddev	3.119	118.39	34.596	6.302	3.673
%RSD	.1728614	.4859422	1.610330	.4155974	.2328839
#1	1800.955	24275.80	2139.682	1513.362	1575.466
#2	1805.687	24314.44	2186.527	1512.320	1574.419
#3	1806.842	24497.42	2119.004	1523.719	1581.239

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCB029 Acquired: 12/24/2024 2:12:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB029 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003135	.0000976	.0014948	.0049593	.0009014	.0378657	-.001161
Stddev	.0054124	.0033465	.0021914	.0057119	.0012564	.0203309	.000634
%RSD	1726.345	3429.116	146.6069	115.1756	139.3718	53.69221	54.59132
#1	-.004757	-.003148	.0039774	.0065527	-.000376	.0576521	-.000724
#2	-.000316	.003536	.0006775	-.001380	.000945	.0389140	-.001888
#3	.006013	-.000095	-.000171	.009705	.002135	.0170309	-.000871

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000082	.0000377	-.010419	-.000517	-.000243	.0067482	.0047304
Stddev	.000036	.0000615	.023081	.000770	.000216	.0054812	.0352168
%RSD	43.70318	163.1740	221.5246	148.8884	88.88092	81.22515	744.4715
#1	-.000097	.0001059	-.015182	.000153	.000004	.0114717	.0125691
#2	-.000041	-.000014	.014672	-.001357	-.000338	.0007381	.0353675
#3	-.000108	.000021	-.030748	-.000346	-.000395	.0080347	-.033745

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022102	.1103900	.0001331	-.000372	-1.41989	.0006643	-.008125
Stddev	.0021031	.0593036	.0003734	.000649	.63457	.0113824	.008493
%RSD	95.15456	53.72190	280.5748	174.3293	44.69171	1713.446	104.5258
#1	.0045080	.0617982	.0001121	-.001033	-.78574	.0109613	.000324
#2	.0017416	.0929001	.0005165	.000265	-1.41904	-.011558	-.016661
#3	.0003809	.1764716	-.000229	-.000349	-2.05488	.002590	-.008038

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.19875	.0018202	.0040618	.0004299	-.001459	-.085352	.0007712
Stddev	.07279	.0008332	.0015898	.0006447	.000671	.000435	.0007330
%RSD	6.072006	45.77456	39.14086	149.9608	45.97639	.5098779	95.04212
#1	-1.17875	.0014381	.0041327	.0010452	-.001422	-.085470	.0015310
#2	-1.27945	.0027758	.0056151	-.000241	-.002148	-.085716	.0007143
#3	-1.13806	.0012465	.0024377	.000485	-.000808	-.084870	.0000683

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCB029 Acquired: 12/24/2024 2:12:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB029 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0015015	.0003455	.0008044
Stddev	.0041247	.0001822	.0039727
%RSD	274.7036	52.72826	493.8743
#1	.0060152	.0002527	-.003577
#2	.0005613	.0002284	.001819
#3	-.002072	.0005554	.004171

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2087.382	27121.33	2215.069	1789.370	1877.238
Stddev	11.381	43.00	35.452	11.915	10.034
%RSD	.5452390	.1585535	1.600475	.6658673	.5345253
#1	2092.026	27081.80	2255.992	1779.406	1876.311
#2	2095.707	27115.07	2195.498	1786.137	1887.703
#3	2074.413	27167.11	2193.716	1802.568	1867.699

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5212-09 Acquired: 12/24/2024 2:16:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNJ4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.007123	.0016515	.0006257	.0039527	.0001328	.0360407	.0010864
Stddev	.005528	.0024465	.0008406	.0023032	.0040180	.0047740	.0009696
%RSD	77.61102	148.1334	134.3443	58.26823	3026.596	13.24619	89.25076
#1	-.010332	.0022244	.0015789	.0042360	.0019390	.0344482	.0004763
#2	-.000740	-.001031	-.000009	.0015210	.0029306	.0322664	.0022045
#3	-.010296	.003761	.000307	.0061011	-.004471	.0414074	.0005784

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000193	.0000097	.1080172	-.000468	.0002716	-.001894	.0392977
Stddev	.0001712	.0000879	.0151437	.000669	.0004221	.000354	.0234778
%RSD	886.1486	907.3747	14.01968	142.9445	155.4120	18.66700	59.74349
#1	-.000141	-.000089	.0905678	-.001070	.0006309	-.001711	.0248436
#2	.000199	.000038	.1157571	.000253	-.000193	-.002302	.0663872
#3	.000000	.000080	.1177266	-.000588	.000377	-.001669	.0266623

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1153258	.0841974	.0006182	-.001668	-.999545	.0005385	.0194215
Stddev	.0030359	.0748437	.0001870	.000219	.631269	.0111944	.0192660
%RSD	2.632467	88.89075	30.24755	13.11921	63.15563	2078.847	99.19930
#1	.1118210	.0280091	.0005664	-.001911	-.659420	-.012191	.0385918
#2	.1170160	.1691575	.0004626	-.001608	-.611274	.008847	.0196113
#3	.1171405	.0554256	.0008257	-.001486	-1.72794	.004960	.0000613

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-3.49906	.0048947	-.006422	-.000053	.0276683	-.078987	-.001462
Stddev	.10379	.0014742	.000932	.000264	.0074013	.001208	.000083
%RSD	2.966358	30.11872	14.51899	496.3732	26.75004	1.529195	5.681931
#1	-3.39567	.0059568	-.006938	-.000325	.0331566	-.079976	-.001507
#2	-3.49825	.0032116	-.006982	.000201	.0192507	-.079345	-.001367
#3	-3.60326	.0055157	-.005346	-.000035	.0305976	-.077641	-.001514

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5212-09 Acquired: 12/24/2024 2:16:54 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHNJ4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	-.000181	.0002110	-.029308
Stddev	.002842	.0004677	.001665
%RSD	1572.356	221.6655	5.679807
#1	.002701	.0006233	-.030965
#2	-.000263	-.000297	-.029324
#3	-.002981	.000307	-.027636

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2133.008	27881.39	2232.092	1843.993	1931.714
Stddev	10.188	363.52	16.375	27.513	9.037
%RSD	.4776476	1.303811	.7336011	1.492017	.4678002
#1	2144.450	27553.31	2237.465	1819.136	1941.443
#2	2129.657	27818.67	2245.105	1839.288	1930.118
#3	2124.917	28272.19	2213.706	1873.555	1923.583

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: PB165669BL Acquired: 12/24/2024 2:20:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBW669 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006480	-.003453	.0000050	.0066262	.0010748	.0114452	.0002685
Stddev	.0030994	.001731	.0027824	.0036875	.0022057	.0178562	.0006039
%RSD	478.3273	50.13386	55189.54	55.65045	205.2266	156.0149	224.8756
#1	-.001077	-.004935	.0020095	.0085545	.0004414	.0002413	.0009450
#2	.004226	-.001550	.0011774	.0023743	-.000745	.0320371	.0000767
#3	-.001205	-.003873	-.003172	.0089497	.003528	.0020572	-.000216

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000040	-.000099	-.069541	-.000072	-.000596	.0075376	.0177024
Stddev	.0001148	.000152	.036578	.000549	.000281	.0040464	.0356045
%RSD	2882.387	153.7991	52.59966	766.9488	47.22703	53.68268	201.1282
#1	-.000101	.000012	-.083961	.000278	-.000329	.0034477	-.000597
#2	.000126	-.000272	-.027950	-.000705	-.000890	.0115391	.058735
#3	-.000013	-.000036	-.096712	.000212	-.000568	.0076260	-.005031

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004561	.0566678	-.000181	-.000805	-1.66539	.0024388	-.020268
Stddev	.0010731	.1164588	.000635	.000490	.43957	.0038285	.015952
%RSD	235.2810	205.5116	351.7222	60.88996	26.39459	156.9865	78.70452
#1	.0014999	.1590704	.000550	-.000581	-1.78393	.0066816	-.020391
#2	.0005124	-.070018	-.000600	-.000466	-1.17870	-.000758	-.004255
#3	-.000644	.080951	-.000491	-.001366	-2.03354	.001393	-.036159

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.27294	.0026658	-.004599	.0002988	-.003975	-.085313	.0001790
Stddev	.05394	.0013307	.000513	.0007579	.001365	.000552	.0005565
%RSD	4.237481	49.91745	11.14598	253.6909	34.33183	.6469755	310.8889
#1	-1.32260	.0038763	-.004775	-.000501	-.002412	-.085947	-.000385
#2	-1.28066	.0012409	-.004021	.000390	-.004928	-.085056	.000728
#3	-1.21555	.0028802	-.005000	.001007	-.004584	-.084937	.000194

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: PB165669BL Acquired: 12/24/2024 2:20:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: PBW669 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0004027	-.000036	-.010544
Stddev	.0029993	.000090	.004969
%RSD	744.7976	247.7454	47.12761
#1	.0034917	-.000140	-.007691
#2	.0002146	.000025	-.007660
#3	-.002498	.000006	-.016282

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2064.784	26654.63	2202.009	1757.366	1853.916
Stddev	1.429	149.81	29.853	5.218	1.422
%RSD	.0692151	.5620268	1.355731	.2969152	.0766918
#1	2066.340	26622.81	2184.344	1753.884	1852.275
#2	2063.530	26523.30	2236.477	1754.850	1854.797
#3	2064.483	26817.80	2185.205	1763.366	1854.674

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: PB165669BS Acquired: 12/24/2024 2:24:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS669 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0152195	.0489197	.0191665	.0659026	.1114880	.4312850
Stddev	.0048493	.0025991	.0011314	.0021485	.0002573	.0103752
%RSD	31.86258	5.312957	5.902836	3.260033	.2307618	2.405654
#1	.0120819	.0491975	.0194290	.0649850	.1114742	.4333691
#2	.0208049	.0513688	.0201435	.0643654	.1112379	.4404599
#3	.0127718	.0461929	.0179269	.0683575	.1117519	.4200259

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3855528	.0095467	.0098118	9.457224	.0198666	.1025417
Stddev	.0039801	.0000726	.0000530	.015549	.0002940	.0005396
%RSD	1.032307	.7601225	.5398649	.1644166	1.479643	.5261853
#1	.3821286	.0096127	.0097850	9.459895	.0195485	.1027679
#2	.3846103	.0094690	.0098728	9.471264	.0201283	.1019259
#3	.3899196	.0095584	.0097775	9.440512	.0199228	.1029314

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0509617	.1775923	.0315373	9.670348	.0774869	.0176088
Stddev	.0094728	.0340338	.0015883	.180995	.0002238	.0012530
%RSD	18.58812	19.16401	5.036293	1.871646	.2888741	7.115801
#1	.0564447	.1911015	.0308945	9.466641	.0774135	.0165537
#2	.0400234	.2027975	.0303712	9.731750	.0773089	.0189937
#3	.0564169	.1388780	.0333463	9.812655	.0777382	.0172790

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.654004	.1072196	.1242808	7.869432	.0203605	F -.003904
Stddev	.713281	.0117020	.0095614	.156428	.0012996	.001768
%RSD	9.319062	10.91404	7.693418	1.987790	6.382912	45.28036
#1	8.201775	.1173496	.1143069	7.688967	.0212323	-.002615
#2	7.912783	.1098989	.1251673	7.966282	.0209824	-.003177
#3	6.847455	.0944103	.1333681	7.953049	.0188668	-.005919

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: PB165669BS Acquired: 12/24/2024 2:24:55 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LCS669 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0201906	.1782746	F .3631769	.0132089	.1905359	.1967343
Stddev	.0002415	.0027946	.0050880	.0018619	.0038427	.0011940
%RSD	1.196327	1.567601	1.400964	14.09544	2.016809	.6068895
#1	.0203992	.1773726	.3606020	.0127888	.1870219	.1956763
#2	.0199259	.1760423	.3598911	.0115930	.1899465	.1964978
#3	.0202467	.1814088	.3690377	.0152449	.1946393	.1980288

Elem	Li6707
Units	ppm
Avg	F .0176270
Stddev	.0072946
%RSD	41.38289
#1	.0148413
#2	.0121358
#3	.0259040

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2062.537	26959.92	2230.356	1780.534	1857.381
Stddev	1.408	87.03	17.665	8.231	3.258
%RSD	.0682835	.3228253	.7920451	.4622601	.1754328
#1	2061.828	27001.09	2242.402	1783.187	1855.424
#2	2061.624	26859.94	2238.589	1771.304	1855.577
#3	2064.159	27018.73	2210.077	1787.111	1861.143

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-01 Acquired: 12/24/2024 2:28:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLM6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1814190	-.066427	3.658679	.1006282	.0440911	57.03467
Stddev	.0039739	.002888	.012982	.0020128	.0033624	.17476
%RSD	2.190463	4.348069	.3548326	2.000212	7.626106	.3064188
#1	.1843733	-.063215	3.647060	.1002127	.0479270	57.19422
#2	.1829824	-.067256	3.656285	.1028163	.0416536	57.06189
#3	.1769011	-.068811	3.672691	.0988557	.0426925	56.84788

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.532626	.0079856	.0108310	67.74964	.1736756	.1041110
Stddev	.005694	.0000575	.0001031	.29737	.0019627	.0005117
%RSD	.3715448	.7199980	.9516935	.4389308	1.130071	.4914950
#1	1.535308	.0080018	.0107964	68.02814	.1717338	.1046577
#2	1.536484	.0080332	.0107496	67.78434	.1756585	.1040316
#3	1.526086	.0079217	.0109469	67.43644	.1736343	.1036436

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4642450	194.3591	8.911077	25.15663	.1918102	-.002911
Stddev	.0027666	.1183	.019254	.05858	.0003964	.000413
%RSD	.5959463	.0608822	.2160689	.2328500	.2066777	14.20137
#1	.4616271	194.4599	8.931126	25.22115	.1915895	-.003276
#2	.4671396	194.3885	8.909374	25.14196	.1915733	-.002996
#3	.4639684	194.2288	8.892731	25.10678	.1922679	-.002462

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.832210	.1741368	2.174916	6.447103	F 11.89284	.0546918
Stddev	.027828	.0138209	.023291	.117123	.04847	.0025532
%RSD	3.343898	7.936809	1.070898	1.816680	.4075781	4.668284
#1	-.833945	.1608287	2.148158	6.575844	11.85634	.0520197
#2	-.803555	.1884190	2.190639	6.418610	11.87434	.0571065
#3	-.859130	.1731627	2.185951	6.346856	11.94783	.0549492

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-01 Acquired: 12/24/2024 2:28:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLM6 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0115099	4.391134	4.841460	.1156864	.7103710	.0072420
Stddev	.0004538	.019861	.042343	.0014598	.0066131	.0011692
%RSD	3.942945	.4523077	.8745906	1.261865	.9309355	16.14470
#1	.0111240	4.372554	4.884435	.1140258	.7146937	.0084367
#2	.0120099	4.388781	4.840168	.1167677	.7027581	.0061001
#3	.0113958	4.412067	4.799778	.1162656	.7136611	.0071891

Elem	Li6707
Units	ppm
Avg	.0791350
Stddev	.0048948
%RSD	6.185350
#1	.0755445
#2	.0771500
#3	.0847104

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2551.386	32784.10	2750.789	2168.401	1887.497
Stddev	.999	162.39	17.978	9.723	2.729
%RSD	.0391363	.4953396	.6535754	.4484090	.1445652
#1	2551.216	32964.70	2732.519	2179.462	1889.481
#2	2550.484	32650.10	2751.387	2161.200	1888.625
#3	2552.459	32737.50	2768.461	2164.542	1884.385

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-02 Acquired: 12/24/2024 2:32:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLM7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1519557	-.045851	3.396114	.0709878	.0298856	52.93566
Stddev	.0067091	.005498	.007497	.0022369	.0010424	.26318
%RSD	4.415193	11.99075	.2207445	3.151104	3.487840	.4971622
#1	.1456458	-.039507	3.395508	.0686144	.0300326	52.65487
#2	.1590031	-.048820	3.388939	.0712920	.0308466	52.97540
#3	.1512179	-.049227	3.403896	.0730571	.0287775	53.17670

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.491319	.0072057	.0097571	71.32608	.1565363	.1028406
Stddev	.010513	.0000467	.0000494	.26646	.0003703	.0008043
%RSD	.7049488	.6486836	.5064882	.3735827	.2365385	.7820710
#1	1.480325	.0071575	.0097205	71.02697	.1561089	.1020061
#2	1.492358	.0072508	.0097376	71.41320	.1567401	.1029048
#3	1.501274	.0072088	.0098134	71.53808	.1567599	.1036108

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5420780	143.5688	8.391354	20.99999	.1826895	-.001944
Stddev	.0046191	.6334	.053397	.05460	.0008890	.000484
%RSD	.8521200	.4411942	.6363289	.2600125	.4866455	24.91652
#1	.5439223	142.8760	8.330709	20.95383	.1836961	-.002403
#2	.5368216	144.1183	8.412042	21.06027	.1820117	-.001437
#3	.5454900	143.7121	8.431310	20.98589	.1823607	-.001992

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.28466	.1813910	2.040353	5.405766	F 10.71606	.0464663
Stddev	.40789	.0111410	.010657	.128854	.02131	.0025834
%RSD	31.75090	6.141992	.5223056	2.383631	.1988227	5.559658
#1	-1.64569	.1717355	2.052569	5.319370	10.71469	.0471476
#2	-1.36610	.1788566	2.032959	5.344059	10.69547	.0486408
#3	-.84220	.1935808	2.035532	5.553869	10.73802	.0436106

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-02 Acquired: 12/24/2024 2:32:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLM7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0093820	4.881582	4.750738	.1006626	.8676968	.0575777
Stddev	.0002078	.010979	.028580	.0022224	.0034281	.0007057
%RSD	2.215118	.2249079	.6015984	2.207809	.3950838	1.225712
#1	.0093943	4.893764	4.717955	.1016816	.8652450	.0580721
#2	.0095834	4.872452	4.770415	.0981133	.8662312	.0567695
#3	.0091683	4.878530	4.763845	.1021928	.8716141	.0578915

Elem	Li6707
Units	ppm
Avg	.0685161
Stddev	.0020593
%RSD	3.005550
#1	.0688345
#2	.0703976
#3	.0663161

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2519.787	32370.50	2671.516	2138.476	1878.719
Stddev	1.504	126.50	16.331	15.058	3.176
%RSD	.0597056	.3907945	.6113025	.7041602	.1690501
#1	2520.547	32455.71	2689.516	2148.810	1880.380
#2	2520.760	32430.64	2657.649	2145.419	1880.721
#3	2518.054	32225.14	2667.382	2121.199	1875.057

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-03 Acquired: 12/24/2024 2:36:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLM8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1564373	-.042817	2.357358	.0769341	.0374060	69.35433
Stddev	.0033419	.004293	.003718	.0011790	.0042475	.70103
%RSD	2.136236	10.02678	.1577161	1.532523	11.35506	1.010797
#1	.1595514	-.043504	2.356766	.0757189	.0343869	68.54524
#2	.1529067	-.038221	2.353971	.0770102	.0355681	69.78047
#3	.1568538	-.046725	2.361336	.0780733	.0422629	69.73729

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.651652	.0075493	.0092611	121.9635	.1542005	.1267099
Stddev	.014478	.0000718	.0000205	.9929	.0004824	.0003423
%RSD	.8765694	.9517848	.2214670	.8140612	.3128242	.2701763
#1	1.634943	.0076196	.0092807	120.8277	.1544803	.1269897
#2	1.659544	.0075524	.0092398	122.3960	.1536435	.1263282
#3	1.660469	.0074760	.0092630	122.6667	.1544777	.1268120

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3502401	167.7936	11.53853	30.88319	.1835290	-.002178
Stddev	.0072788	1.6621	.09408	.22324	.0010551	.000949
%RSD	2.078235	.9905525	.8153693	.7228494	.5748850	43.57485
#1	.3459318	165.8758	11.43074	30.63540	.1823116	-.002061
#2	.3586440	168.6890	11.60413	30.94554	.1840986	-.001293
#3	.3461444	168.8160	11.58072	31.06862	.1841769	-.003181

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.52273	.1820292	1.517998	6.451144	F 13.81623	.0452319
Stddev	.41114	.0040358	.022204	.086824	.03390	.0058236
%RSD	27.00024	2.217128	1.462725	1.345868	.2453525	12.87487
#1	-1.06360	.1821256	1.504733	6.362758	13.81254	.0425014
#2	-1.85687	.1860159	1.505628	6.536317	13.78432	.0412753
#3	-1.64773	.1779460	1.543632	6.454359	13.85182	.0519190

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-03 Acquired: 12/24/2024 2:36:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLM8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0081411	2.770434	5.166781	.0782951	.6990494	.0630723
Stddev	.0007632	.015457	.015056	.0017630	.0079485	.0007999
%RSD	9.374174	.5579232	.2913995	2.251804	1.137042	1.268173
#1	.0072624	2.765800	5.150936	.0770654	.6902195	.0622640
#2	.0085220	2.757824	5.180898	.0775048	.7056329	.0630893
#3	.0086387	2.787678	5.168508	.0803150	.7012957	.0638635

Elem	Li6707
Units	ppm
Avg	.0912565
Stddev	.0032524
%RSD	3.564038
#1	.0896837
#2	.0949964
#3	.0890895

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2742.558	35164.22	2939.359	2328.602	1862.529
Stddev	5.472	54.89	10.274	2.829	4.633
%RSD	.1995194	.1560835	.3495216	.1215013	.2487666
#1	2743.036	35173.63	2950.098	2325.940	1864.304
#2	2747.775	35213.79	2929.624	2331.574	1866.013
#3	2736.863	35105.24	2938.356	2328.292	1857.271

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-04 Acquired: 12/24/2024 2:40:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLM9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1147778	-.042966	.9907974	.0793774	.0324535	66.44937
Stddev	.0057667	.004475	.0020959	.0012574	.0025116	.03555
%RSD	5.024203	10.41635	.2115327	1.584047	7.738928	.0534928
#1	.1194312	-.045440	.9884491	.0783593	.0340346	66.44150
#2	.1083263	-.037800	.9914647	.0807829	.0337685	66.41842
#3	.1165758	-.045658	.9924783	.0789902	.0295575	66.48819

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.807123	.0071426	.0077041	55.49463	.1168556	.1147962
Stddev	.002850	.0001007	.0001443	.13314	.0001812	.0005430
%RSD	.1576993	1.410213	1.872534	.2399109	.1551086	.4729770
#1	1.803968	.0072492	.0075387	55.41299	.1169288	.1146808
#2	1.807888	.0071293	.0078038	55.64826	.1169888	.1143202
#3	1.809512	.0070491	.0077699	55.42264	.1166492	.1153876

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1994297	160.4633	13.16162	20.36569	.1565971	-.001871
Stddev	.0015062	.3837	.01431	.10313	.0003984	.001132
%RSD	.7552392	.2391188	.1087133	.5063892	.2544037	60.50043
#1	.2010490	160.8693	13.15949	20.29060	.1561642	-.002145
#2	.1991694	160.1067	13.14850	20.32319	.1569483	-.002841
#3	.1980706	160.4140	13.17688	20.48328	.1566789	-.000627

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.24840	.1678823	1.154580	6.783290	F 18.52959	.0408450
Stddev	.77087	.0034698	.008910	.042080	.02903	.0023268
%RSD	61.74811	2.066830	.7716968	.6203504	.1566626	5.696629
#1	-.35977	.1718792	1.161180	6.800337	18.50341	.0428938
#2	-1.73720	.1656422	1.158115	6.735361	18.52456	.0383153
#3	-1.64824	.1661255	1.144445	6.814172	18.56081	.0413259

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-04 Acquired: 12/24/2024 2:40:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLM9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0108840	2.269969	5.186741	.0896842	.5243216	.0702075
Stddev	.0001650	.003755	.032123	.0030060	.0024157	.0013244
%RSD	1.515723	.1654074	.6193293	3.351729	.4607285	1.886399
#1	.0109671	2.272939	5.161852	.0920934	.5216478	.0693115
#2	.0109908	2.265749	5.175369	.0863157	.5263467	.0717288
#3	.0106940	2.271219	5.223004	.0906437	.5249705	.0695823

Elem	Li6707
Units	ppm
Avg	.0841192
Stddev	.0030745
%RSD	3.654925
#1	.0868620
#2	.0846996
#3	.0807958

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2718.892	34866.38	2914.877	2307.557	1880.479
Stddev	6.080	91.65	16.358	6.201	4.643
%RSD	.2236380	.2628733	.5612028	.2687370	.2469026
#1	2724.823	34839.32	2930.383	2300.518	1884.721
#2	2719.181	34791.31	2916.467	2309.940	1881.199
#3	2712.673	34968.52	2897.782	2312.214	1875.519

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-05 Acquired: 12/24/2024 2:44:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1255143	-.059489	.3683649	.0873637	.0352818	69.72223
Stddev	.0008784	.006384	.0020552	.0011525	.0027868	.42110
%RSD	.6998151	10.73115	.5579137	1.319236	7.898568	.6039686
#1	.1264895	-.066387	.3664423	.0883452	.0339087	69.60731
#2	.1247853	-.053789	.3681214	.0876512	.0384887	69.37053
#3	.1252681	-.058291	.3705309	.0860946	.0334481	70.18887

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.310175	.0074136	.0044098	39.68095	.1146086	.1129542
Stddev	.006183	.0000437	.0000411	.24325	.0009458	.0001487
%RSD	.4719261	.5899772	.9316175	.6130111	.8252683	.1316032
#1	1.305516	.0074400	.0044558	39.56482	.1135654	.1130083
#2	1.307820	.0074376	.0043768	39.51753	.1148503	.1127861
#3	1.317190	.0073631	.0043968	39.96050	.1154101	.1130683

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1457999	171.2629	8.789979	21.73711	.1427014	-.003186
Stddev	.0024616	1.1421	.045300	.18466	.0002903	.001083
%RSD	1.688328	.6668727	.5153568	.8495323	.2034264	33.99262
#1	.1485969	171.1246	8.783444	21.64741	.1427595	-.002032
#2	.1439631	170.1962	8.748302	21.61442	.1429583	-.004181
#3	.1448397	172.4678	8.838192	21.94949	.1423865	-.003344

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.11171	.1454949	.6484280	5.939914	F 11.90514	.0398871
Stddev	.23088	.0014470	.0058800	.074901	.02079	.0021055
%RSD	20.76800	.9945464	.9068075	1.260972	.1746171	5.278576
#1	-1.02710	.1441527	.6531842	5.911472	11.89340	.0382935
#2	-1.37296	.1453043	.6502461	5.883400	11.89289	.0390938
#3	-.93507	.1470278	.6418537	6.024869	11.92915	.0422740

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-05 Acquired: 12/24/2024 2:44:12 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038772	1.178390	5.100555	.0274351	.5640051	-.039813
Stddev	.0004384	.009193	.034384	.0013572	.0052302	.000321
%RSD	11.30801	.7801689	.6741213	4.947048	.9273373	.8057587
#1	.0034091	1.170047	5.135826	.0289717	.5585341	-.040181
#2	.0042782	1.176879	5.067133	.0263997	.5645253	-.039590
#3	.0039442	1.188246	5.098706	.0269341	.5689557	-.039669

Elem	Li6707
Units	ppm
Avg	.0828370
Stddev	.0037932
%RSD	4.579159
#1	.0833351
#2	.0788193
#3	.0863566

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2791.145	35900.47	2982.950	2378.552	1875.828
Stddev	3.998	91.81	10.975	4.351	2.958
%RSD	.1432321	.2557410	.3679345	.1829095	.1577006
#1	2794.592	36000.97	2973.927	2383.510	1879.146
#2	2786.762	35879.46	2995.168	2376.772	1874.872
#3	2792.080	35821.00	2979.754	2375.374	1873.466

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-06 Acquired: 12/24/2024 2:48:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0994644	-.032416	.6170715	.0578071	.0338184	55.81672	1.308845
Stddev	.0005078	.004612	.0066842	.0003967	.0021514	.07094	.000907
%RSD	.5105038	14.22636	1.083217	.6862935	6.361496	.1270911	.0692623
#1	.0996571	-.027511	.6093650	.0579786	.0332077	55.76098	1.308473
#2	.0998477	-.036663	.6205567	.0580892	.0320384	55.89657	1.309878
#3	.0988885	-.033074	.6212929	.0573535	.0362091	55.79261	1.308183

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060389	.0051726	439.5818	.1103535	.1225737	.1628669	162.8778
Stddev	.0001510	.0000759	.9686	.0035992	.0007385	.0060433	.2626
%RSD	2.500816	1.467933	.2203397	3.261536	.6024930	3.710555	.1612534
#1	.0061143	.0051197	438.8331	.1144341	.1229616	.1697474	163.1691
#2	.0061373	.0051384	440.6756	.1076307	.1217221	.1604338	162.8053
#3	.0058650	.0052596	439.2366	.1089957	.1230375	.1584194	162.6590

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.37545	54.54105	.1570646	-.002821	-1.55819	.1487404	.7201393
Stddev	.00116	.12884	.0005735	.000605	.77811	.0059340	.0092809
%RSD	.0093534	.2362171	.3651414	21.45296	49.93676	3.989536	1.288761
#1	12.37627	54.42510	.1566756	-.002866	-.81296	.1436354	.7251013
#2	12.37412	54.51830	.1567949	-.003404	-1.49614	.1552511	.7094322
#3	12.37594	54.67974	.1577232	-.002195	-2.36547	.1473347	.7258844

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.567871	8.749396	.0594579	.0052480	1.403163	4.766345	.0334204
Stddev	.165195	.021280	.0007452	.0003237	.009125	.066122	.0020422
%RSD	2.182843	.2432199	1.253387	6.168304	.6503478	1.387265	6.110634
#1	7.748547	8.749427	.0599072	.0056208	1.403031	4.788405	.0351802
#2	7.530510	8.728100	.0598688	.0050381	1.394105	4.818616	.0311811
#3	7.424557	8.770661	.0585976	.0050852	1.412354	4.692013	.0338999

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-06 Acquired: 12/24/2024 2:48:02 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6031078	.4000081	.0774365
Stddev	.0062721	.0023867	.0037617
%RSD	1.039955	.5966566	4.857827
#1	.5975552	.3982668	.0798074
#2	.6099109	.4027287	.0794031
#3	.6018573	.3990290	.0730991

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2456.128	31267.02	2707.334	2055.173	1727.650
Stddev	5.527	735.92	19.294	58.076	4.426
%RSD	.2250481	2.353675	.7126603	2.825847	.2561969
#1	2459.342	30438.43	2702.195	1990.409	1727.449
#2	2459.297	31844.58	2691.131	2102.621	1732.174
#3	2449.746	31518.07	2728.678	2072.490	1723.328

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-07 Acquired: 12/24/2024 2:51:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0845665	-.065479	.2508197	.0805478	.0449474	69.96337	.5740051
Stddev	.0077766	.003596	.0009230	.0019601	.0001796	.84416	.0073300
%RSD	9.195844	5.491800	.3679901	2.433505	.3995360	1.206579	1.276983
#1	.0755934	-.061785	.2514839	.0827340	.0451257	69.25164	.5684977
#2	.0893494	-.068968	.2497658	.0799624	.0447666	69.74244	.5711928
#3	.0887568	-.065684	.2512094	.0789471	.0449500	70.89603	.5823247

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0080037	.0033036	244.7490	.1303876	.1309421	.1691527	203.4685
Stddev	.0001007	.0001640	2.6984	.0003921	.0006312	.0025474	2.1255
%RSD	1.257940	4.963094	1.102521	.3007088	.4820381	1.505987	1.044651
#1	.0081054	.0031829	242.6197	.1308054	.1308340	.1691775	201.6372
#2	.0080015	.0034903	243.8437	.1303295	.1316203	.1665930	202.9689
#3	.0079041	.0032376	247.7837	.1300277	.1303719	.1716877	205.7993

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.147382	77.09338	.1883708	-.004221	-1.47305	.1820842	.5245169
Stddev	.044024	.92236	.0012732	.000597	.69686	.0102775	.0088814
%RSD	1.061486	1.196417	.6758915	14.13920	47.30695	5.644349	1.693245
#1	4.107397	76.28488	.1877575	-.004860	-2.05750	.1844810	.5143114
#2	4.140190	76.89723	.1875204	-.004124	-.70185	.1708201	.5304941
#3	4.194560	78.09804	.1898346	-.003678	-1.65981	.1909515	.5287452

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.658761	8.334031	.0603265	.0040157	.7418482	4.810723	.0289548
Stddev	.233617	.006737	.0048801	.0003030	.0052144	.032780	.0033863
%RSD	2.418709	.0808335	8.089487	7.544487	.7028928	.6814016	11.69516
#1	9.405474	8.329677	.0551082	.0036767	.7363331	4.780984	.0315238
#2	9.705024	8.341791	.0647775	.0042599	.7466980	4.805312	.0251174
#3	9.865786	8.330625	.0610938	.0041106	.7425135	4.845872	.0302231

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-07 Acquired: 12/24/2024 2:51:53 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8961610	.0237745	.1046639
Stddev	.0097003	.0002543	.0008240
%RSD	1.082426	1.069503	.7872598
#1	.8887611	.0235781	.1037481
#2	.8925790	.0236837	.1048986
#3	.9071429	.0240617	.1053451

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2560.260	33088.66	2801.129	2171.440	1770.714
Stddev	3.346	160.22	18.957	20.747	1.642
%RSD	.1306894	.4842165	.6767474	.9554294	.0927155
#1	2563.988	32926.55	2807.564	2147.701	1771.995
#2	2557.518	33246.92	2816.031	2186.097	1768.863
#3	2559.273	33092.52	2779.793	2180.521	1771.285

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-08 Acquired: 12/24/2024 2:55:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN2D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0859127	-.069305	.2478219	.0774195	.0458013	69.70622	.5724395
Stddev	.0040320	.004294	.0026090	.0023016	.0041072	.78884	.0056312
%RSD	4.693179	6.195997	1.052790	2.972897	8.967515	1.131659	.9837131
#1	.0902638	-.064421	.2485855	.0797982	.0449654	70.53542	.5783211
#2	.0823025	-.071001	.2499639	.0772568	.0421764	68.96515	.5670976
#3	.0851718	-.072492	.2449162	.0752036	.0502623	69.61807	.5718999

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0080966	.0033346	243.3597	.1281807	.1304036	.1695901	202.5714
Stddev	.0000446	.0000882	2.5915	.0011272	.0002754	.0051558	2.2460
%RSD	.5512104	2.644222	1.064881	.8793702	.2111553	3.040161	1.108739
#1	.0081062	.0032331	245.8753	.1281722	.1302555	.1747700	204.9443
#2	.0080479	.0033778	240.6985	.1270578	.1302339	.1695416	200.4786
#3	.0081356	.0033928	243.5053	.1293121	.1307213	.1644587	202.2913

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.127002	77.13105	.1887233	-.004019	-1.04276	.1764868	.5318601
Stddev	.039398	.78391	.0007127	.000988	.81391	.0086631	.0070302
%RSD	.9546433	1.016338	.3776391	24.57677	78.05281	4.908639	1.321821
#1	4.169536	77.99371	.1880343	-.005048	-.33205	.1863407	.5288434
#2	4.091758	76.46226	.1886780	-.003930	-.86558	.1730511	.5268417
#3	4.119713	76.93719	.1894576	-.003078	-1.93067	.1700685	.5398953

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.642117	8.298519	.0627504	.0040816	.7372197	4.896864	.0271637
Stddev	.204919	.006398	.0017844	.0006268	.0103742	.067078	.0009522
%RSD	2.125247	.0770954	2.843580	15.35693	1.407201	1.369806	3.505413
#1	9.792362	8.294396	.0635880	.0033580	.7444052	4.971804	.0277355
#2	9.408686	8.295272	.0607014	.0044299	.7419275	4.842442	.0276910
#3	9.725302	8.305889	.0639620	.0044568	.7253264	4.876345	.0260645

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-08 Acquired: 12/24/2024 2:55:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN2D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8986897	.0235499	.1055329
Stddev	.0051032	.0011792	.0018927
%RSD	.5678466	5.007180	1.793439
#1	.9037676	.0236974	.1033954
#2	.8935616	.0223039	.1062075
#3	.8987399	.0246484	.1069959

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2569.756	33241.03	2814.937	2174.202	1778.640
Stddev	3.319	65.64	42.544	3.495	3.166
%RSD	.1291681	.1974675	1.511375	.1607532	.1780142
#1	2566.408	33165.96	2766.964	2178.183	1775.411
#2	2573.046	33287.63	2848.087	2171.636	1781.740
#3	2569.812	33269.51	2829.760	2172.788	1778.770

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-07LX5 Acquired: 12/24/2024 2:59:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN2L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0128169	-.004199	.0573758	.0072140	.0116474	17.00654	.1385672
Stddev	.0018224	.002583	.0024999	.0020270	.0017957	.59849	.0045044
%RSD	14.21847	61.52076	4.357066	28.09741	15.41684	3.519150	3.250710
#1	.0108843	-.006161	.0588042	.0081858	.0135185	16.51960	.1360753
#2	.0130624	-.005164	.0544892	.0085722	.0099381	17.67469	.1437669
#3	.0145041	-.001272	.0588339	.0048842	.0114857	16.82534	.1358592

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019505	.0004435	59.85418	.0309247	.0428779	.0403192	50.18249
Stddev	.0001896	.0000863	2.13548	.0005165	.0004905	.0064701	1.81401
%RSD	9.718597	19.47013	3.567804	1.670197	1.143858	16.04720	3.614831
#1	.0020018	.0004160	58.32057	.0303399	.0429223	.0477598	48.62618
#2	.0021091	.0003742	62.29320	.0313185	.0423668	.0371827	52.17475
#3	.0017406	.0005402	58.94877	.0311156	.0433447	.0360151	49.74653

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.023415	19.01201	.0385022	-.000550	-2.05774	.0331692	.1394590
Stddev	.035122	.66553	.0010077	.000814	.32892	.0073764	.0143207
%RSD	3.431811	3.500602	2.617173	147.9121	15.98429	22.23876	10.26875
#1	.998021	18.40780	.0373778	-.001358	-1.68505	.0295144	.1530693
#2	1.063496	19.72537	.0388055	.000270	-2.30741	.0283338	.1407873
#3	1.008727	18.90285	.0393234	-.000563	-2.18077	.0416595	.1245205

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.266588	1.698700	.0104435	.0026775	.1596176	1.339356	.0078536
Stddev	.228838	.036881	.0007621	.0005330	.0028279	.035222	.0017172
%RSD	18.06728	2.171148	7.297362	19.90671	1.771644	2.629764	21.86517
#1	1.002492	1.673130	.0112037	.0028504	.1565505	1.319020	.0083212
#2	1.406186	1.681991	.0104471	.0020795	.1621215	1.380027	.0092886
#3	1.391084	1.740978	.0096796	.0031025	.1601808	1.319021	.0059510

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-07LX5 Acquired: 12/24/2024 2:59:31 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN2L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.2249220	.0051954	.0192771
Stddev	.0092168	.0005915	.0033371
%RSD	4.097790	11.38437	17.31138
#1	.2214006	.0054802	.0157279
#2	.2353804	.0055906	.0197521
#3	.2179850	.0045154	.0223512

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2171.822	28202.76	2298.841	1860.507	1827.849
Stddev	44.286	129.68	74.956	13.592	36.653
%RSD	2.039104	.4597970	3.260597	.7305507	2.005266
#1	2184.240	28232.98	2343.181	1851.701	1839.513
#2	2208.573	28060.64	2212.298	1853.659	1857.250
#3	2122.652	28314.66	2341.045	1876.160	1786.783

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-09 Acquired: 12/24/2024 3:03:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN2S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1597134	.0182224	.2814456	.2097305	.1855599	72.62919	3.597673
Stddev	.0028142	.0035458	.0006973	.0054608	.0012594	.23973	.011018
%RSD	1.762039	19.45868	.2477416	2.603730	.6787037	.3300748	.3062418
#1	.1606112	.0218764	.2815036	.2041248	.1841155	72.69000	3.594662
#2	.1619691	.0179951	.2821121	.2150339	.1861361	72.36492	3.588475
#3	.1565598	.0147956	.2807212	.2100328	.1864282	72.83267	3.609883

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0814621	.0960279	241.0787	.4597946	1.086131	.5336138	202.1902
Stddev	.0005957	.0000904	.9284	.0017384	.000797	.0076833	.6186
%RSD	.7312445	.0941009	.3851028	.3780736	.0733370	1.439856	.3059475
#1	.0820432	.0959601	240.7116	.4611250	1.086356	.5402775	202.6199
#2	.0814901	.0961305	240.3900	.4578277	1.085247	.5252096	201.4812
#3	.0808529	.0959931	242.1345	.4604310	1.086791	.5353544	202.4694

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.838791	76.13332	1.120056	.0506178	-1.24789	.9341497	1.248267
Stddev	.013501	.25555	.000224	.0014195	.33868	.0071727	.012820
%RSD	.2790187	.3356601	.0200243	2.804306	27.14055	.7678334	1.027023
#1	4.845911	76.37989	1.120311	.0489854	-1.44392	.9262689	1.235136
#2	4.823220	75.86965	1.119971	.0513058	-1.44293	.9402963	1.248913
#3	4.847242	76.15041	1.119887	.0515621	-.85681	.9358840	1.260751

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.745768	8.220215	.0621293	.0038746	.7333630	5.595165	.0274626
Stddev	.134850	.018390	.0009934	.0007082	.0048835	.059522	.0029961
%RSD	1.383682	.2237133	1.598889	18.27920	.6659080	1.063805	10.90976
#1	9.594891	8.201873	.0631235	.0040365	.7291035	5.660519	.0277161
#2	9.854549	8.220120	.0611367	.0044879	.7386929	5.580914	.0303239
#3	9.787866	8.238652	.0621276	.0030994	.7322926	5.544063	.0243478

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-09 Acquired: 12/24/2024 3:03:27 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN2S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.9293739	.0231135	.1054797
Stddev	.0118516	.0009379	.0029322
%RSD	1.275222	4.057898	2.779832
#1	.9230996	.0220813	.1060466
#2	.9219786	.0233456	.1080870
#3	.9430436	.0239136	.1023055

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2559.674	33070.21	2799.808	2170.386	1778.268
Stddev	4.338	62.01	20.078	8.121	3.941
%RSD	.1694709	.1875208	.7171192	.3741699	.2215957
#1	2564.180	33118.78	2786.154	2178.355	1782.276
#2	2555.527	33000.35	2790.410	2162.121	1774.398
#3	2559.316	33091.49	2822.862	2170.683	1778.130

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-10 Acquired: 12/24/2024 3:07:14 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1382997	-.031647	2.387689	.0635103	.0324690	57.71683	1.213240
Stddev	.0028635	.007376	.004585	.0023169	.0044509	.08377	.002821
%RSD	2.070501	23.30572	.1920341	3.648012	13.70820	.1451332	.2325289
#1	.1378826	-.025362	2.388818	.0661732	.0359918	57.65013	1.210448
#2	.1356677	-.029813	2.382645	.0624017	.0274668	57.68952	1.213184
#3	.1413489	-.039767	2.391605	.0619560	.0339485	57.81085	1.216089

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0071688	.0081910	131.3906	.1412540	.1103102	.3516930	140.7779
Stddev	.0001279	.0000919	.1500	.0004029	.0001285	.0066424	.3725
%RSD	1.783564	1.122506	.1141445	.2852442	.1165047	1.888695	.2646176
#1	.0071755	.0081562	131.2743	.1409323	.1101653	.3539113	140.3479
#2	.0072932	.0081216	131.3375	.1411239	.1104104	.3442253	141.0029
#3	.0070377	.0082953	131.5599	.1417060	.1103550	.3569424	140.9829

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.669679	41.86363	.1946655	-.001497	-1.70203	.1661927	1.547068
Stddev	.009402	.20911	.0006207	.000249	1.08571	.0029619	.010584
%RSD	.1084461	.4994915	.3188331	16.65241	63.78949	1.782229	.6841458
#1	8.664719	41.67346	.1939702	-.001785	-2.88762	.1660828	1.534988
#2	8.663795	42.08756	.1948624	-.001367	-1.46216	.1632873	1.554713
#3	8.680522	41.82987	.1951638	-.001340	-.75630	.1692081	1.551504

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.466577	8.245907	.0536926	.0106973	4.469478	5.397052	.0936212
Stddev	.116250	.015711	.0016332	.0009546	.013420	.036183	.0018977
%RSD	2.602674	.1905277	3.041813	8.923502	.3002694	.6704291	2.027039
#1	4.403345	8.254000	.0550114	.0101926	4.454625	5.403273	.0958103
#2	4.600738	8.227800	.0542006	.0101010	4.480733	5.358161	.0924428
#3	4.395648	8.255921	.0518657	.0117982	4.473076	5.429721	.0926103

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-10 Acquired: 12/24/2024 3:07:14 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.6095490	.0999538	.0627752
Stddev	.0047511	.0002087	.0020003
%RSD	.7794380	.2087589	3.186427
#1	.6065140	.0999233	.0639624
#2	.6071087	.0997620	.0638974
#3	.6150243	.1001760	.0604658

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2540.096	32726.16	2748.386	2155.966	1851.381
Stddev	3.213	63.04	18.424	8.536	1.538
%RSD	.1264941	.1926152	.6703579	.3959412	.0830995
#1	2541.975	32673.12	2732.963	2150.736	1850.691
#2	2541.927	32709.52	2768.788	2165.817	1853.144
#3	2536.386	32795.85	2743.408	2151.346	1850.308

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-11 Acquired: 12/24/2024 3:11:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1322018	-.029343	2.662633	.0534487	.0312019	53.96177	1.209825
Stddev	.0033748	.001902	.004315	.0021270	.0020613	1.36400	.029806
%RSD	2.552769	6.480769	.1620751	3.979534	6.606308	2.527720	2.463631
#1	.1331771	-.028577	2.667122	.0513881	.0288343	52.40576	1.175920
#2	.1349816	-.031509	2.658515	.0556364	.0321741	54.52851	1.221658
#3	.1284468	-.027945	2.662261	.0533217	.0325974	54.95104	1.231898

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0071378	.0084620	137.1995	.1351559	.1067529	.3968602	126.6157
Stddev	.0001329	.0000476	3.1880	.0011738	.0003425	.0090820	2.9688
%RSD	1.861843	.5621117	2.323611	.8684835	.3208430	2.288460	2.344749
#1	.0069991	.0085164	133.5734	.1363018	.1065802	.3866028	123.2171
#2	.0071503	.0084286	138.4634	.1339560	.1065311	.4038790	127.9263
#3	.0072640	.0084409	139.5617	.1352098	.1071474	.4000987	128.7036

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.410811	40.98574	.1984040	-.002455	-1.38255	.1759342	1.616377
Stddev	.175467	1.13700	.0003302	.001103	.68926	.0113799	.012268
%RSD	2.367720	2.774125	.1664150	44.91698	49.85426	6.468241	.7589990
#1	7.210256	39.74189	.1983301	-.001652	-.96629	.1629288	1.605509
#2	7.486145	41.24383	.1987648	-.002002	-1.00322	.1808101	1.629680
#3	7.536032	41.97151	.1981170	-.003713	-2.17816	.1840637	1.613943

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.664301	7.310321	.0593110	.0108704	4.355341	4.772724	.0828757
Stddev	.073002	.010139	.0032346	.0003531	.025514	.100602	.0024212
%RSD	1.565131	.1386899	5.453571	3.247976	.5857989	2.107848	2.921534
#1	4.593763	7.314341	.0559841	.0104660	4.384698	4.667452	.0805616
#2	4.739541	7.298789	.0595045	.0111176	4.342791	4.782828	.0853914
#3	4.659601	7.317833	.0624446	.0110275	4.338533	4.867893	.0826740

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-11 Acquired: 12/24/2024 3:11:03 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.8554112	.2274049	.0577728
Stddev	.0173255	.0048225	.0015734
%RSD	2.025402	2.120675	2.723387
#1	.8366397	.2218825	.0565597
#2	.8588054	.2295469	.0595506
#3	.8707883	.2307854	.0572081

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2441.777	31457.87	2672.523	2070.896	1815.457
Stddev	4.628	81.02	53.030	6.631	1.874
%RSD	.1895288	.2575378	1.984251	.3202149	.1032345
#1	2447.106	31449.40	2732.865	2078.105	1816.586
#2	2438.767	31381.42	2651.369	2065.055	1816.492
#3	2439.458	31542.78	2633.336	2069.529	1813.294

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-12 Acquired: 12/24/2024 3:14:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1523493	-.016970	1.327470	.0537437	.0345851	56.10063	1.573848
Stddev	.0052781	.003026	.002086	.0015160	.0023651	.43300	.011208
%RSD	3.464500	17.83258	.1571547	2.820844	6.838499	.7718305	.7121365
#1	.1513862	-.015101	1.328916	.0553898	.0362999	55.61367	1.560933
#2	.1580427	-.020462	1.325078	.0524049	.0355684	56.24589	1.579584
#3	.1476190	-.015348	1.328415	.0534363	.0318870	56.44232	1.581028

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0062551	.0137430	458.0619	.1101932	.1371258	.3183730	149.4342
Stddev	.0000963	.0000938	2.4897	.0012377	.0007230	.0127990	1.0124
%RSD	1.539382	.6822948	.5435197	1.123183	.5272355	4.020117	.6775147
#1	.0061524	.0138354	455.4143	.1088657	.1362941	.3080319	148.2662
#2	.0063433	.0137457	458.4156	.1113154	.1376045	.3143998	149.9766
#3	.0062696	.0136479	460.3557	.1103986	.1374787	.3326874	150.0599

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.57649	52.04681	.1924029	-.003103	-1.20369	.1820317	1.030747
Stddev	.10192	.29556	.0003700	.001282	.95018	.0082800	.010367
%RSD	.6543341	.5678644	.1922925	41.33365	78.93885	4.548642	1.005812
#1	15.45884	51.73441	.1922976	-.004572	-1.40434	.1739730	1.040277
#2	15.63287	52.32200	.1920971	-.002524	-2.03751	.1816056	1.019707
#3	15.63777	52.08401	.1928142	-.002211	-.16921	.1905165	1.032256

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.454296	6.870137	.0536154	.0115439	3.023994	4.960702	.0586686
Stddev	.103243	.016078	.0029496	.0006485	.003957	.047372	.0012756
%RSD	1.892875	.2340297	5.501347	5.617804	.1308457	.9549393	2.174296
#1	5.335102	6.874927	.0559470	.0108008	3.026932	4.909591	.0598267
#2	5.511987	6.852209	.0545996	.0118357	3.019495	5.003134	.0573013
#3	5.515800	6.883277	.0502996	.0119952	3.025554	4.969381	.0588778

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-12 Acquired: 12/24/2024 3:14:52 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.5827785	.3468814	.0751086
Stddev	.0014755	.0015750	.0022918
%RSD	.2531901	.4540388	3.051334
#1	.5810753	.3467494	.0734359
#2	.5835909	.3453765	.0741690
#3	.5836692	.3485182	.0777209

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2504.647	32130.40	2739.242	2112.970	1754.845
Stddev	7.173	53.41	18.814	14.561	2.637
%RSD	.2863792	.1662251	.6868389	.6891244	.1502854
#1	2511.154	32075.82	2756.474	2096.877	1757.518
#2	2496.955	32182.56	2719.169	2116.799	1752.245
#3	2505.831	32132.82	2742.084	2125.234	1754.772

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-13 Acquired: 12/24/2024 3:18:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1044328	-.031706	.9378747	.0580078	.0305082	60.69615	1.116562
Stddev	.0034472	.001863	.0040585	.0047219	.0002716	.35339	.007422
%RSD	3.300920	5.877459	.4327372	8.140068	.8901601	.5822288	.6647412
#1	.1080428	-.033857	.9355544	.0548285	.0302248	60.35137	1.108359
#2	.1040803	-.030605	.9355087	.0557615	.0305336	60.67951	1.118514
#3	.1011754	-.030655	.9425610	.0634335	.0307662	61.05757	1.122813

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0064643	.0056668	167.6968	.1003310	.1097806	.2000237	141.6912
Stddev	.0000802	.0001851	1.0996	.0011566	.0002365	.0034838	.6777
%RSD	1.241267	3.266069	.6556830	1.152804	.2154519	1.741701	.4782703
#1	.0064034	.0057154	166.9148	.0990184	.1099417	.2034682	140.9510
#2	.0064344	.0054623	167.2215	.1007737	.1095091	.2001011	141.8416
#3	.0065552	.0058227	168.9540	.1012008	.1098912	.1965019	142.2811

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.344729	32.63550	.1276999	-.002452	-1.25546	.1501132	.7111694
Stddev	.042314	.02234	.0001935	.000094	.21947	.0055515	.0069366
%RSD	.4528153	.0684562	.1515676	3.833513	17.48157	3.698179	.9753733
#1	9.301365	32.61105	.1277590	-.002561	-1.14301	.1564759	.7055491
#2	9.346913	32.65484	.1278571	-.002400	-1.50837	.1476066	.7189217
#3	9.385909	32.64062	.1274837	-.002397	-1.11500	.1462570	.7090374

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.860050	5.224349	.0424110	.0086628	2.117067	5.576825	.0452838
Stddev	.256104	.003158	.0016495	.0005891	.005504	.019346	.0030046
%RSD	6.634730	.0604555	3.889404	6.800501	.2599768	.3468917	6.635019
#1	3.907907	5.221782	.0414667	.0080832	2.113062	5.569891	.0487530
#2	3.583393	5.223388	.0414506	.0086443	2.123343	5.561901	.0435194
#3	4.088849	5.227876	.0443157	.0092610	2.114796	5.598681	.0435789

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-13 Acquired: 12/24/2024 3:18:42 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN6 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.4986418	.1295256	.0553244
Stddev	.0035296	.0015670	.0046299
%RSD	.7078389	1.209783	8.368680
#1	.4966829	.1287322	.0503522
#2	.4965262	.1285140	.0561091
#3	.5027164	.1313306	.0595118

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2578.444	33299.96	2790.748	2193.604	1841.743
Stddev	1.679	98.90	7.594	2.697	1.458
%RSD	.0651348	.2969838	.2720986	.1229372	.0791700
#1	2576.537	33367.71	2785.641	2194.749	1840.245
#2	2579.702	33186.47	2799.474	2190.524	1843.157
#3	2579.094	33345.70	2787.129	2195.540	1841.826

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-14 Acquired: 12/24/2024 3:22:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0572011	-.003599	.4869470	.0270462	.0249451	42.06791
Stddev	.0019098	.009908	.0027291	.0026442	.0032947	.19951
%RSD	3.338678	275.2612	.5604483	9.776433	13.20793	.4742486
#1	.0593373	-.002341	.4847799	.0293421	.0285321	42.08791
#2	.0556589	-.014076	.4860491	.0241552	.0220537	41.85916
#3	.0566071	.005619	.4900119	.0276412	.0242496	42.25666

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6653219	.0048026	.0041229	F 904.7830	.0760461	.0988070
Stddev	.0029223	.0001547	.0001591	3.2858	.0006933	.0006109
%RSD	.4392356	3.220511	3.859309	.3631621	.9116674	.6182549
#1	.6626962	.0049651	.0042600	906.6325	.0756611	.0981057
#2	.6647992	.0046572	.0041603	900.9892	.0756307	.0990921
#3	.6684703	.0047854	.0039484	906.7273	.0768465	.0992232

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1500700	122.3497	7.466752	144.7918	.1070324	-.003457
Stddev	.0019918	.6749	.027334	.8057	.0009178	.001218
%RSD	1.327225	.5515760	.3660714	.5564550	.8575352	35.23395
#1	.1516814	122.6581	7.470992	144.3886	.1060429	-.004851
#2	.1478431	121.5757	7.437546	144.2674	.1078559	-.002599
#3	.1506855	122.8152	7.491718	145.7196	.1071983	-.002920

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.64853	.1250173	.6117512	2.749765	4.576271	.0524746
Stddev	.29466	.0087119	.0058212	.149327	.019427	.0020859
%RSD	17.87435	6.968517	.9515662	5.430543	.4245098	3.975149
#1	-1.92243	.1150075	.6084713	2.761236	4.562267	.0515533
#2	-1.68640	.1308876	.6184723	2.595033	4.568097	.0548625
#3	-1.33676	.1291568	.6083100	2.893025	4.598449	.0510079

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-14 Acquired: 12/24/2024 3:22:33 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036423	1.758192	4.109177	.0330787	.6016262	.8587387
Stddev	.0006297	.014493	.040945	.0008672	.0099189	.0009938
%RSD	17.28710	.8243153	.9964232	2.621510	1.648687	.1157270
#1	.0035492	1.741893	4.096327	.0327109	.5972669	.8597491
#2	.0043134	1.763054	4.076198	.0324561	.6129782	.8577623
#3	.0030644	1.769628	4.155005	.0340691	.5946334	.8587047

Elem	Li6707
Units	ppm
Avg	.0582506
Stddev	.0011493
%RSD	1.972950
#1	.0571129
#2	.0582278
#3	.0594111

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2321.949	30052.53	2622.374	1973.491	1650.271
Stddev	1.439	180.80	10.541	8.267	4.774
%RSD	.0619849	.6015969	.4019555	.4188968	.2892766
#1	2323.280	30006.91	2618.146	1967.522	1651.855
#2	2322.144	29898.91	2634.372	1970.024	1654.051
#3	2320.421	30251.77	2614.604	1982.926	1644.906

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-15 Acquired: 12/24/2024 3:26:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1009666	-.024073	.4192659	.0408045	.0296511	28.60015
Stddev	.0020891	.001906	.0008855	.0024622	.0026441	.04481
%RSD	2.069133	7.919024	.2112044	6.034235	8.917391	.1566641
#1	.0996850	-.021988	.4202226	.0383280	.0318606	28.55556
#2	.1033773	-.024501	.4184750	.0408333	.0303711	28.64517
#3	.0998374	-.025728	.4191003	.0432522	.0267216	28.59972

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9446998	.0056327	.0044548	F 1647.419	.0525598	.1158525
Stddev	.0015418	.0001501	.0001544	10.692	.0003836	.0016103
%RSD	.1632086	2.664925	3.466280	.6489990	.7299156	1.389934
#1	.9430067	.0058047	.0045905	1654.893	.0523063	.1157459
#2	.9450695	.0055286	.0042868	1635.172	.0523720	.1175134
#3	.9460232	.0055646	.0044872	1652.192	.0530011	.1142982

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1436507	171.1991	9.679206	315.5501	.1559005	-.004357
Stddev	.0048413	.0118	.007018	.3752	.0014901	.000784
%RSD	3.370185	.0068896	.0725109	.1189154	.9558212	17.99759
#1	.1389209	171.2125	9.675115	315.8840	.1551319	-.004498
#2	.1485963	171.1903	9.687310	315.6223	.1576181	-.005061
#3	.1434348	171.1945	9.675192	315.1440	.1549517	-.003512

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.64452	.0901120	.3309624	4.370662	5.258126	.1059095
Stddev	.61992	.0059421	.0101439	.159704	.035695	.0019339
%RSD	37.69576	6.594105	3.064970	3.654006	.6788506	1.826019
#1	-.93912	.0871807	.3352170	4.220289	5.228458	.1041819
#2	-1.89189	.0862052	.3193840	4.538295	5.297738	.1079987
#3	-2.10256	.0969502	.3382862	4.353401	5.248182	.1055478

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-15 Acquired: 12/24/2024 3:26:23 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032905	4.231545	3.402915	.0349309	.1403595	1.104758
Stddev	.0002592	.034906	.020782	.0009496	.0043112	.006613
%RSD	7.876805	.8248984	.6107140	2.718521	3.071544	.5985754
#1	.0032168	4.206624	3.426639	.0358754	.1369547	1.099977
#2	.0035785	4.271439	3.394181	.0349411	.1452071	1.112304
#3	.0030761	4.216571	3.387926	.0339762	.1389169	1.101992

Elem	Li6707
Units	ppm
Avg	.0467817
Stddev	.0025321
%RSD	5.412701
#1	.0461819
#2	.0495599
#3	.0446032

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2234.606	28884.99	2556.427	1878.624	1535.895
Stddev	8.787	115.98	12.425	8.995	8.963
%RSD	.3932410	.4015325	.4860363	.4788174	.5835890
#1	2238.828	28838.47	2542.082	1882.193	1541.887
#2	2224.505	29017.01	2563.825	1885.287	1525.590
#3	2240.487	28799.48	2563.374	1868.392	1540.207

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-16 Acquired: 12/24/2024 3:30:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0663731	-.010194	.3274208	.0226490	.0258577	30.53118
Stddev	.0016470	.006075	.0018505	.0055068	.0044643	.47166
%RSD	2.481504	59.59330	.5651711	24.31346	17.26481	1.544841
#1	.0647052	-.013228	.3293605	.0171581	.0210831	29.98818
#2	.0664155	-.014154	.3256748	.0281715	.0299279	30.76629
#3	.0679985	-.003200	.3272272	.0226173	.0265621	30.83908

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4680318	.0053001	.0034652	F 1501.670	.0528200	.1072787
Stddev	.0079905	.0000165	.0000932	12.156	.0004119	.0006124
%RSD	1.707249	.3113826	2.690650	.8094699	.7797374	.5708002
#1	.4588609	.0052854	.0034605	1493.480	.0523729	.1071687
#2	.4717404	.0052969	.0033743	1515.637	.0531839	.1067288
#3	.4734940	.0053179	.0035606	1495.893	.0529033	.1079386

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1300213	132.3385	5.760435	273.0962	.1365395	-.004039
Stddev	.0012538	2.3008	.096010	4.8366	.0012480	.001098
%RSD	.9642784	1.738576	1.666714	1.771027	.9139975	27.19523
#1	.1300402	129.6904	5.650390	267.5260	.1375437	-.004652
#2	.1287581	133.4767	5.803819	275.5308	.1351424	-.002771
#3	.1312655	133.8484	5.827096	276.2317	.1369324	-.004693

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.57435	.0705301	.2439321	4.868401	4.263197	.0996020
Stddev	.54106	.0028593	.0202393	.219059	.029019	.0042736
%RSD	34.36745	4.054039	8.297114	4.499617	.6806828	4.290696
#1	-1.48890	.0688147	.2278126	4.627083	4.260949	.0949190
#2	-1.08110	.0689446	.2373375	4.923399	4.235367	.1032910
#3	-2.15306	.0738309	.2666463	5.054720	4.293274	.1005961

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: P5086-16 Acquired: 12/24/2024 3:30:21 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: MBHLN9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022327	3.593045	3.850216	.0280715	.1225117	1.157942
Stddev	.0008635	.018161	.059655	.0018721	.0059152	.019770
%RSD	38.67662	.5054553	1.549383	6.669064	4.828284	1.707350
#1	.0023018	3.586723	3.781412	.0285610	.1156973	1.135114
#2	.0013367	3.578889	3.887486	.0260033	.1263231	1.169495
#3	.0030596	3.613522	3.881748	.0296503	.1255146	1.169218

Elem	Li6707
Units	ppm
Avg	.0610793
Stddev	.0040584
%RSD	6.644523
#1	.0590001
#2	.0584817
#3	.0657559

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2246.794	29146.31	2586.439	1889.411	1554.956
Stddev	1.659	176.41	35.158	3.266	1.921
%RSD	.0738344	.6052606	1.359335	.1728329	.1235644
#1	2246.733	29052.84	2623.009	1886.332	1556.206
#2	2248.483	29036.31	2552.887	1889.065	1555.918
#3	2245.166	29349.79	2583.421	1892.836	1552.744

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCV030 Acquired: 12/24/2024 3:34:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV030 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.839688	4.508840	23.17994	4.707536	4.843668	384.5337	9.572270
Stddev	.021970	.003534	.03786	.007639	.007983	.2063	.020985
%RSD	.4539473	.0783840	.1633120	.1622797	.1648105	.0536463	.2192296
#1	4.829808	4.505010	23.14382	4.698954	4.835071	384.3079	9.595089
#2	4.824392	4.511975	23.17669	4.710060	4.850847	384.5807	9.567922
#3	4.864863	4.509535	23.21932	4.713593	4.845085	384.7124	9.553800

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4683545	2.357518	379.5284	14.94781	2.451858	14.04756	379.1695
Stddev	.0038911	.002695	.3620	.00906	.004476	.03166	.5645
%RSD	.8307917	.1142980	.0953751	.0605787	.1825630	.2253686	.1488785
#1	.4728428	2.354599	379.1597	14.95589	2.446828	14.02929	378.9363
#2	.4659327	2.358043	379.5421	14.94953	2.453343	14.02928	379.8133
#3	.4662880	2.359911	379.8833	14.93802	2.455403	14.08412	378.7590

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.94668	374.0531	2.345240	1.208206	365.8177	2.333518	14.34651
Stddev	.01746	.3738	.000706	.001504	1.5628	.017579	.18831
%RSD	.1251776	.0999214	.0300949	.1245076	.4272087	.7533319	1.312600
#1	13.93017	374.3119	2.344541	1.207398	367.4372	2.333205	14.13019
#2	13.96495	374.2228	2.345228	1.209942	364.3186	2.351252	14.43554
#3	13.94492	373.6246	2.345953	1.207279	365.6972	2.316098	14.47380

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	137.8582	4.643192	4.694760	4.693535	4.803415	4.530560	4.709690
Stddev	.5379	.009962	.028845	.007651	.003980	.032895	.010391
%RSD	.3901500	.2145409	.6144181	.1630156	.0828569	.7260736	.2206196
#1	137.2448	4.647943	4.727947	4.684877	4.800697	4.567613	4.697816
#2	138.0807	4.631744	4.680622	4.696340	4.801565	4.519273	4.714136
#3	138.2491	4.649889	4.675711	4.699388	4.807983	4.504794	4.717118

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCV030 Acquired: 12/24/2024 3:34:20 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV030 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	4.685402	4.548026	4.683100
Stddev	.010109	.015188	.007915
%RSD	.2157634	.3339490	.1690097
#1	4.674818	4.533757	4.674869
#2	4.686431	4.546329	4.683776
#3	4.694958	4.563991	4.690655

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1818.664	24658.76	2154.514	1534.973	1590.956
Stddev	7.328	162.10	7.366	14.415	5.209
%RSD	.4029601	.6573566	.3418774	.9391052	.3274287
#1	1816.979	24819.71	2154.338	1550.589	1589.673
#2	1812.325	24661.01	2161.966	1532.158	1586.509
#3	1826.688	24495.54	2147.237	1522.174	1596.687

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCB030 Acquired: 12/24/2024 3:37:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB030 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.006231	-.001177	.0054591	.0038465	-.000688	.0561738	.0008658
Stddev	.003938	.000542	.0019303	.0026453	.001268	.0208922	.0015839
%RSD	63.20980	46.02920	35.35916	68.77067	184.1870	37.19199	182.9410
#1	-.007070	-.001308	.0076439	.0058010	.000705	.0361173	-.000960
#2	-.009681	-.000582	.0039847	.0049022	-.001773	.0545924	.001681
#3	-.001940	-.001642	.0047488	.0008364	-.000997	.0778118	.001876

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001037	.0000125	-.001882	-.000243	-.000475	.0002678	.0309893
Stddev	.0001148	.0000331	.008801	.000752	.000076	.0120658	.0196534
%RSD	110.6738	265.3345	467.7143	309.5886	16.09432	4506.180	63.42004
#1	.0000947	.0000048	-.001212	.000254	-.000413	-.008251	.0210333
#2	.0002228	-.000016	.006566	-.001108	-.000561	-.005020	.0536285
#3	-.000006	.000049	-.010998	.000125	-.000451	.014075	.0183062

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0021252	.1000806	.0007934	-.000836	-1.42284	.0043838	-.006111
Stddev	.0009393	.0095809	.0002033	.001106	.81985	.0065598	.013231
%RSD	44.19990	9.573136	25.62491	132.2279	57.62033	149.6393	216.5159
#1	.0010533	.1078693	.0006270	-.000979	-1.88508	.0119583	.007663
#2	.0028047	.0893822	.0007330	.000334	-1.90719	.0005652	-.007273
#3	.0025176	.1029905	.0010200	-.001864	-.47625	.0006277	-.018722

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.05009	.0034210	.0030656	.0004758	-.000032	-.085116	.0006779
Stddev	.13977	.0022003	.0022067	.0007217	.003843	.000490	.0003236
%RSD	13.31000	64.31780	71.98087	151.6908	11996.26	.5754159	47.74194
#1	-1.21142	.0057313	.0020576	.0013092	-.000642	-.085521	.0003986
#2	-.97300	.0013503	.0055962	.0000561	.004079	-.084572	.0006025
#3	-.96584	.0031814	.0015429	.0000621	-.003534	-.085255	.0010325

Reviewed By:kareem
On:12/27/2024 4:23:37 PM
Inst Id :P5

Sample Name: CCB030 Acquired: 12/24/2024 3:37:58 Type: Unk
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v39) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB030 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Sr4077	Li6707
Units	ppm	ppm	ppm
Avg	.0031328	.0003224	.0049344
Stddev	.0024755	.0000975	.0027582
%RSD	79.02050	30.24946	55.89639
#1	.0041152	.0002392	.0020760
#2	.0049663	.0002983	.0051474
#3	.0003168	.0004297	.0075800

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2077.812	26772.69	2188.213	1763.729	1863.355
Stddev	4.627	197.43	7.107	14.697	3.556
%RSD	.2226965	.7374203	.3247655	.8332922	.1908550
#1	2082.855	26945.69	2189.983	1776.965	1867.402
#2	2073.762	26557.62	2194.267	1747.913	1861.930
#3	2076.818	26814.75	2180.388	1766.310	1860.731

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Prep Standard - Chemical Standard Summary

Order ID : P5212

Test : Metals CLP Full

Prepbatch ID : PB165566,PB165669,

Sequence ID/Qc Batch ID: LB134069,LB134242,LB134245,

Standard ID :
MP83498,MP83499,MP83500,MP83501,MP83502,MP83503,MP83504,MP83505,MP83506,MP83507,MP83508,MP835
09,MP83510,MP83511,MP83512,MP83513,MP83514,MP84000,MP84001,MP84003,

Chemical ID :
M5130,M5218,M5223,M5289,M5295,M5296,M5390,M5393,M5429,M5473,M5496,M5497,M5498,M5513,M5515,M5519
,M5658,M5697,M5698,M5768,M5769,M5798,M5799,M5800,M5801,M5802,M5806,M5815,M5816,M5817,M5818,M581
9,M5820,M5875,M5959,M5960,M5962,M5970,M5976,M5978,M5982,M5985,M5990,M5999,M6021,M6023,M6025,M60
28,M6030,M6032,M6121,M6125,M6126,W3112,

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
169	1:1HNO3	MP83498	12/09/2024	01/31/2025	Janvi Patel	None	None	Sarabjit Jaswal 12/09/2024

FROM 1250.00000ml of M6126 + 1250.00000ml of W3112 = Final Quantity: 2500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
170	1:1HCL	MP83499	12/09/2024	01/17/2025	Eman Mughal	None	None	Sarabjit Jaswal 12/09/2024

FROM 1250.00000ml of M6121 + 1250.00000ml of W3112 = Final Quantity: 2500.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
902	ICP AES CAL BLK (SO/ICB/CCB)	MP83500	12/06/2024	01/14/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 125.00000ml of M6121 + 2350.00000ml of W3112 + 25.00000ml of M6126 = Final Quantity: 2500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2480	ICP AES STD 6 ISM01.3	MP83501	12/06/2024	01/13/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 4.00000ml of M5289 + 4.00000ml of M5498 + 4.00000ml of M5515 + 4.00000ml of M5768 + 4.00000ml of M5806 + 30.00000ml of MP83500 = Final Quantity: 50.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1004	ICPAES ISM01.2 (S5)	MP83502	12/06/2024	01/13/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 0.25000ml of M5798 + 0.50000ml of M5429 + 0.50000ml of M5473 + 0.50000ml of M5815 + 0.50000ml of M5817 + 12.50000ml of M5519 + 12.50000ml of M5698 + 12.50000ml of M5806 + 12.50000ml of M5819 + 13.75000ml of M5697 + 14.50000ml of M5496 + 14.50000ml of M5515 + 14.50000ml of M5658 + 2.00000ml of M5513 + 22.50000ml of M5497 + 22.50000ml of M5768 + 5.00000ml of M5296 + 5.00000ml of M5393 + 5.00000ml of M5802 + 5.00000ml of M5818 + 5.00000ml of M5875 + 303.50000ml of MP83500 = Final Quantity: 500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1005	ICPAES ISM01.2(S4)	MP83503	12/09/2024	01/13/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 250.00000ml of MP83500 + 250.00000ml of MP83502 = Final Quantity: 500.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1007	ICPAES ISM01.2(S3)	MP83504	12/09/2024	01/13/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 25.00000ml of MP83502 + 75.00000ml of MP83500 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1008	ICPAES ISM01.2(S2)	MP83505	12/09/2024	01/13/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 12.50000ml of MP83502 + 87.50000ml of MP83500 = Final Quantity: 100.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
994	ICPAES ISM01.2 S1 (CONC.)	MP83506	12/09/2024	01/13/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 0.02000ml of M5815 + 0.03000ml of M5429 + 0.10000ml of M5798 + 0.10000ml of M6028 + 0.14000ml of M5799 + 0.20000ml of M5473 + 0.20000ml of M5515 + 0.20000ml of M5658 + 0.20000ml of M5801 + 0.20000ml of M5817 + 0.20000ml of M5976 + 0.20000ml of M6025 + 0.20000ml of M6030 + 0.30000ml of M5698 + 0.40000ml of M5496 + 0.50000ml of M5697 + 0.50000ml of M6023 + 0.70000ml of M5962 + 0.80000ml of M5960 + 1.00000ml of M5800 + 1.00000ml of M6021 + 1.20000ml of M5802 + 1.20000ml of M5819 + 10.00000ml of M5498 + 10.00000ml of M5519 + 10.00000ml of M5769 + 10.00000ml of M5806 + 10.00000ml of M5818 + 2.00000ml of M5978 + 4.00000ml of M5390 + 99.50000ml of MP83500 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1003	ICPAES ISM01.2 S1	MP83507	12/09/2024	01/13/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 0.50000ml of MP83506 + 99.50000ml of MP83500 = Final Quantity: 100.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2054	ICV-ICPAES	MP83508	12/09/2024	01/13/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 0.50000ml of M5218 + 0.50000ml of M5816 + 0.50000ml of M5820 + 0.50000ml of M5970 + 0.50000ml of M5982 + 10.00000ml of M5295 + 87.50000ml of MP83500 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
904	ICP AES ICSA SOLN	MP83509	12/09/2024	01/13/2025	Kareem Khairalla	None	METALS_PIPETTE_3 (A)	Sarabjit Jaswal 12/09/2024

FROM 10.00000ml of M5130 + 90.00000ml of MP83500 = Final Quantity: 250.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
905	ICP AES ICSAB SOLN	MP83510	12/09/2024	01/13/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 10.00000ml of M5130 + 10.00000ml of M5223 + 80.00000ml of MP83500 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1119	ICPAES ISM01.2(CCV)	MP83511	12/09/2024	01/13/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 0.75000ml of M5497 + 0.75000ml of M5769 + 1.22500ml of M5496 + 1.25000ml of M5515 + 1.25000ml of M5806 + 19.77500ml of MP83500 + 25.00000ml of MP83502 = Final Quantity: 50.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
921	ICPAES SPIKE SOL#6	MP83512	12/09/2024	01/13/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 2.50000ml of M5962 + 50.00000ml of M5990 + 50.00000ml of M5999 + 147.50000ml of MP83500 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
919	ICP AES INTERNAL STD	MP83513	12/09/2024	01/13/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 1.00000ml of M5959 + 10.00000ml of M5985 + 1969.00000ml of W3112 + 20.00000ml of M6126 = Final Quantity: 2000.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
513	RINSE SOLN	MP83514	12/09/2024	01/13/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 12/09/2024

FROM 200.00000ml of M6126 + 9800.00000ml of W3112 = Final Quantity: 10000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1389	AS 100PPM	MP84000	01/11/2025	01/14/2025	Sarabjit Jaswal	None	None	Mohan Bera 01/12/2025

FROM 1.00000ml of M5801 + 9.00000ml of MP83500 = Final Quantity: 10.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
955	BE 10.0PPM	MP84001	01/11/2025	01/14/2025	Sarabjit Jaswal	None	None	Mohan Bera 01/12/2025

FROM 0.10000ml of M5798 + 9.90000ml of MP83500 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3559	SE 100PPM	MP84003	01/11/2025	01/14/2025	Sarabjit Jaswal	None	None	Mohan Bera 01/12/2025

FROM 1.00000ml of M5962 + 9.00000ml of MP83500 = Final Quantity: 10.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART A / ICSA (ICP) STOCK SOLN	ICSA-1211	01/31/2025	05/20/2024 /bin	04/20/2021 / bin	M5130

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CHEM-QC-4 / CHEM-QC-4, Second Source, 1000 ug/ml, B, Mo, Si, Sn, Ti	S2-MEB711674	11/02/2026	07/01/2022 / bin	09/10/2021 / bin	M5218

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART B / ICSAB (ICP) STOCK SOLN	ICSB-0710	01/31/2025	05/20/2024 /bin	04/20/2021 / bin	M5223

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58113 / Aluminum (Al) 10,000PPM	070622	07/06/2025	09/02/2022 / jaswal	07/12/2022 / jaswal	M5289

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	ICV-1 / ICV (ICP/ICPMS) STOCK SOLN	ICV-1014	02/05/2025	08/07/2024 / jaswal	04/20/2021 / bin	M5295

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	Z9651Q / CHEM-CLP-4/.25L	S2-MEB711673	11/02/2026	09/19/2022 / jaswal	08/20/2022 / jaswal	M5296

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57056 / Ba, 1000 PPM, 125 ml	072122	07/21/2025	08/07/2024 / jaswal	09/18/2022 / bin	M5390

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-CAL-3 / CLP CAL SOLUTION #3, 125mL	T2-MEB714159	01/13/2027	10/12/2022 / bin	09/19/2022 / bin	M5393

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57103 / Li, 10000 PPM, 125 ml	070622	07/06/2025	01/30/2023 / bin	01/26/2023 / bin	M5429

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57138 / Sr, 10000 PPM, 125 ml	082922	08/29/2025	03/16/2023 / jaswal	03/16/2023 / jaswal	M5473

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58113 / Al, 10000 PPM, 500 ml	011623	01/16/2026	08/15/2023 / jaswal	03/17/2023 / bin	M5496

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58120 / Ca, 10000 PPM, 500 ml	031523	03/15/2026	03/18/2023 / bin	03/17/2023 / bin	M5497

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58120 / Ca, 10000 PPM, 500 ml	031523	03/15/2026	08/15/2023 / jaswal	03/17/2023 / bin	M5498

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57182 / Pb, 10000 PPM, 125 ml	061522	06/15/2025	03/19/2023 / bin	03/17/2023 / bin	M5513

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58126 / Fe, 10000 PPM, 500 ml	092122	09/21/2025	08/01/2024 / Jaswal	03/17/2023 / bin	M5515

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57119 / Potassium (K) 10,000PPM	120822	12/08/2025	01/08/2024 / bin	03/17/2023 / bin	M5519

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58024 / Chromium, Cr, 500 ml, 1000 PPM	060523	06/05/2026	08/28/2023 / jaswal	08/25/2023 / jaswal	M5658

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58029 / Cu, 1000 PPM, 500 ml	102523	10/25/2026	04/03/2024 / jaswal	10/27/2023 / jaswal	M5697

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58025 / Mn, 1000 PPM, 500 ml	102623	10/26/2026	04/18/2024 / jaswal	10/27/2023 / jaswal	M5698

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58112 / Mg, 10000 PPM, 500 ml	091823	09/18/2026	01/08/2024 / bin	01/03/2024 / bin	M5768

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58112 / Mg, 10000 PPM, 500 ml	091823	09/18/2026	05/24/2024 / Jaswal	01/03/2024 / bin	M5769

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57004 / Be, 1000 PPM, 125 ml	102523	10/25/2026	02/09/2024 / bin	02/09/2024 / bin	M5798

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57050 / Sn, 1000 PPM, 125 ml	071123	07/11/2026	02/09/2024 / bin	02/09/2024 / bin	M5799

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57027 / CO, 1000 PPM, 125 ml	091923	09/19/2026	05/31/2024 / bin	02/09/2024 / bin	M5800

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57033 / As, 1000 PPM, 125 ml	111323	11/13/2026	02/09/2024 / bin	02/09/2024 / bin	M5801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57051 / Sb, 1000 PPM, 125 ml	120523	12/05/2026	08/07/2024 / jaswal	01/03/2024 / jaswal	M5802

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58111 / Na, 10000 PPM, 500 ml	122223	12/22/2026	08/01/2024 / Jaswal	01/03/2024 / jaswal	M5806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57115 / P, 10000 PPM, 125 ml	041723	04/17/2026	05/21/2024 / Jaswal	02/09/2024 / jaswal	M5815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57016 / S, 1000 PPM, 125 ml	122923	12/29/2026	05/20/2024 / Jaswal	02/09/2024 / jaswal	M5816

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57116 / S, 10000 PPM, 125 ml	071123	07/11/2026	03/01/2024 / jaswal	02/09/2024 / jaswal	M5817

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57014 / Si, 1000 PPM, 125 ml	122023	12/20/2026	03/06/2024 / jaswal	02/09/2024 / jaswal	M5818

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58030 / Zinc, Zn, 500 ml, 1000 PPM	111623	11/16/2026	03/20/2024 / jaswal	02/09/2024 / jaswal	M5819

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57015 / P, 1000 PPM, 125 ml	091123	09/11/2026	05/01/2024 / jaswal	02/09/2024 / jaswal	M5820

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-CAL-1 / CLP CAL SOLUTION #1, 125mL	T2-MEB714417	01/27/2027	04/19/2024 / jaswal	02/22/2024 / jaswal	M5875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGY10-1 / YTTRIUM 125mL 10,000ug/mL	V2-Y740548	02/20/2029	07/01/2024 / Jaswal	06/14/2024 / Jaswal	M5959

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57028 / Ni, 1000 PPM, 125 ml	041124	04/11/2027	07/03/2024 / kareem	06/11/2024 / kareem	M5960

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57034 / Se, 1000 PPM, 125 ml	060624	06/06/2027	07/02/2024 / Jaswal	06/14/2024 / Jaswal	M5962

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57003 / Li, 1000 PPM, 125 ml	061224	06/21/2027	07/01/2024 / Jaswal	07/01/2024 / Jaswal	M5970

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGMO1-1 / MOLYBDENUM 125mL 1000ug/mL	T2-MO720876	07/17/2027	08/07/2024 / jaswal	02/22/2024 / Jaswal	M5976

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGTI1-1 / TITANIUM 125mL 1000ug/mL	T2-TI719972	06/17/2027	08/07/2024 / jaswal	02/22/2024 / Jaswal	M5978

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57038 / Sr, 1000 PPM, 125 ml	031524	03/15/2027	07/01/2024 / Jaswal	06/11/2024 / Jaswal	M5982

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGIN10-5 / INDIUM 1 x 500 ml	U2-IN729349	02/21/2028	10/08/2024 / Jaswal	06/14/2024 / Jaswal	M5985

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-SPK-5 / CLP Spike Standard 5	V2-MEB742037	03/12/2029	10/04/2024 / Jaswal	02/22/2024 / Jaswal	M5990

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-SPK-1 / SOIL/WATER SPIKE SOLN 1, 125mL	T2-MEB721963	07/27/2027	09/04/2024 / Jaswal	02/22/2024 / kareem	M5999

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57023 / V, 1000 PPM, 125 ml	062424	06/24/2027	09/28/2024 / jaswal	08/05/2024 / Jaswal	M6021

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57081 / Tl, 1000 PPM, 125 ml	0624724	06/27/2027	08/05/2024 / kareem	08/05/2024 / Jaswal	M6023

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57082 / Pb, 1000 PPM, 125 ml	061224	11/09/2026	08/05/2024 / Jaswal	08/05/2024 / Jaswal	M6025

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57048 / Cd, 1000 PPM, 125 ml	070124	07/01/2027	08/05/2024 / kareem	08/05/2024 / Jaswal	M6028

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57047 / Ag, 1000 PPM, 125 ml	122823	12/28/2026	08/05/2024 / kareem	08/05/2024 / Jaswal	M6030

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57056 / Ba, 1000 PPM, 125 ml	010924	01/09/2027	08/05/2024 /Jaswal	08/05/2024 / Jaswal	M6032

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	0000275677	05/13/2025	11/13/2024 / Eman	10/13/2024 / Eman	M6121

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	1403 / Hydrogen Peroxide, 30% 1 gal	820803	05/25/2025	11/26/2024 / Eman	11/22/2024 / Eman	M6125

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24D1062002	06/03/2025	12/03/2024 / Janvi	11/12/2024 / Janvi	M6126

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

INORGANIC VENTURES™

Refine your results. Redefine your industry.

Certificate of Analysis

R: 02/22/24 M5986 M5987, M5988, M5989-M5990

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-SPK-5
Lot Number:	V2-MEB742037
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	100 µg/mL ea: Antimony,
	50 µg/mL ea: Selenium, Cadmium, Thallium,
	40 µg/mL ea: Arsenic,
	20 µg/mL ea: Lead

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	100.0 ± 0.7 µg/mL	Arsenic, As	40.00 ± 0.26 µg/mL
Cadmium, Cd	49.99 ± 0.22 µg/mL	Lead, Pb	19.99 ± 0.09 µg/mL
Selenium, Se	50.00 ± 0.23 µg/mL	Thallium, Tl	50.00 ± 0.22 µg/mL

Density: 1.025 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
As	ICP Assay	3103a	100818
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Cd	Calculated		See Sec. 4.2
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Pb	Calculated		See Sec. 4.2
Sb	ICP Assay	3102a	140911
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

March 12, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- March 12, 2029

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Joseph Burns
Custom VS Manager

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6032

R: 8/5/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

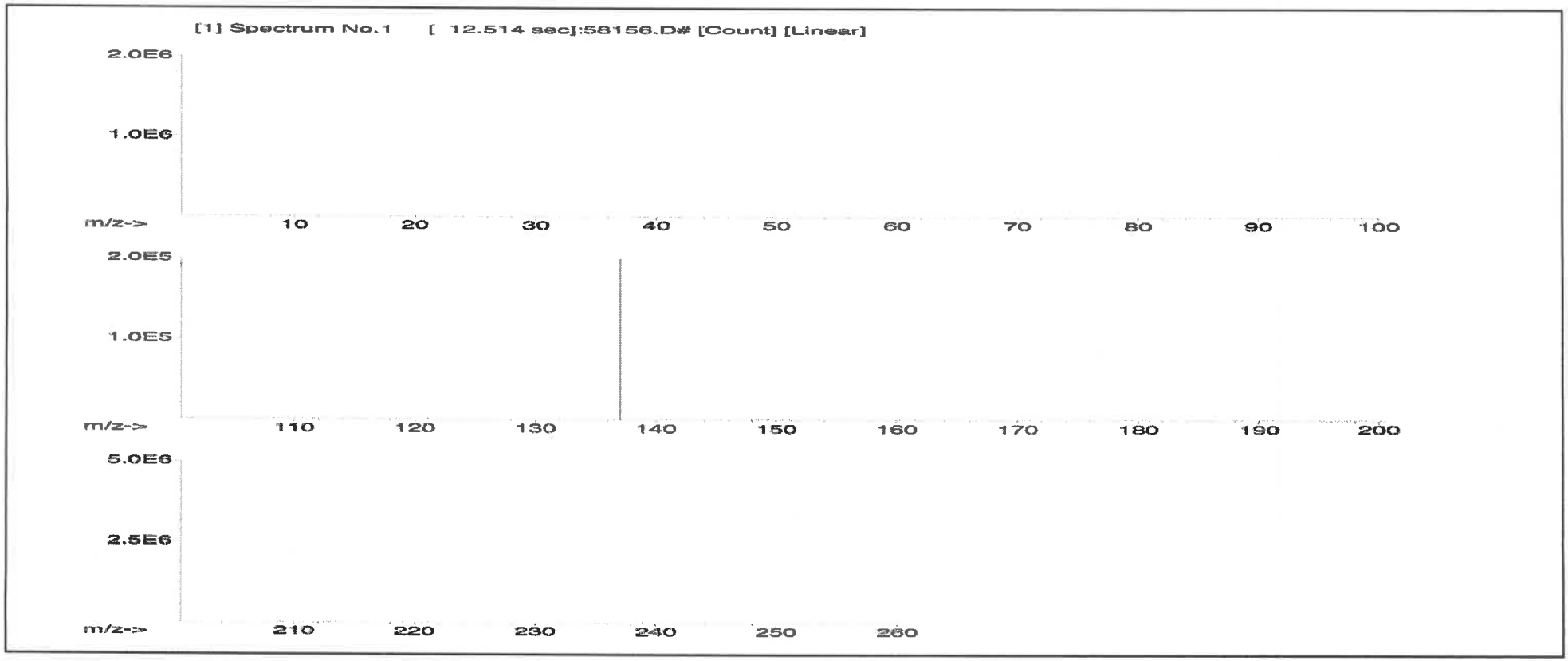
CERTIFIED WEIGHT REPORT:

Part Number:	**57056**		**Lot #**		
Lot Number:	**010924**	**Solvent:**	24002546	Nitric Acid	
Description:	**Barium (Ba)**				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	010927				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Giovanni Esposito

Formulated By:	Giovanni Esposito	010924
Reviewed By:	Pedro L. Rentas	010924

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Barium nitrate (Ba)	IN023	BAD022019A1	1000	99.999	0.10	52.3	3.82417	3.82441	**1000.1**	**2.0**	10022-31-8	0.5 mg/m3	orl-rat 355 mg/kg	3104a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	T	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R 8/5/24

M6028

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

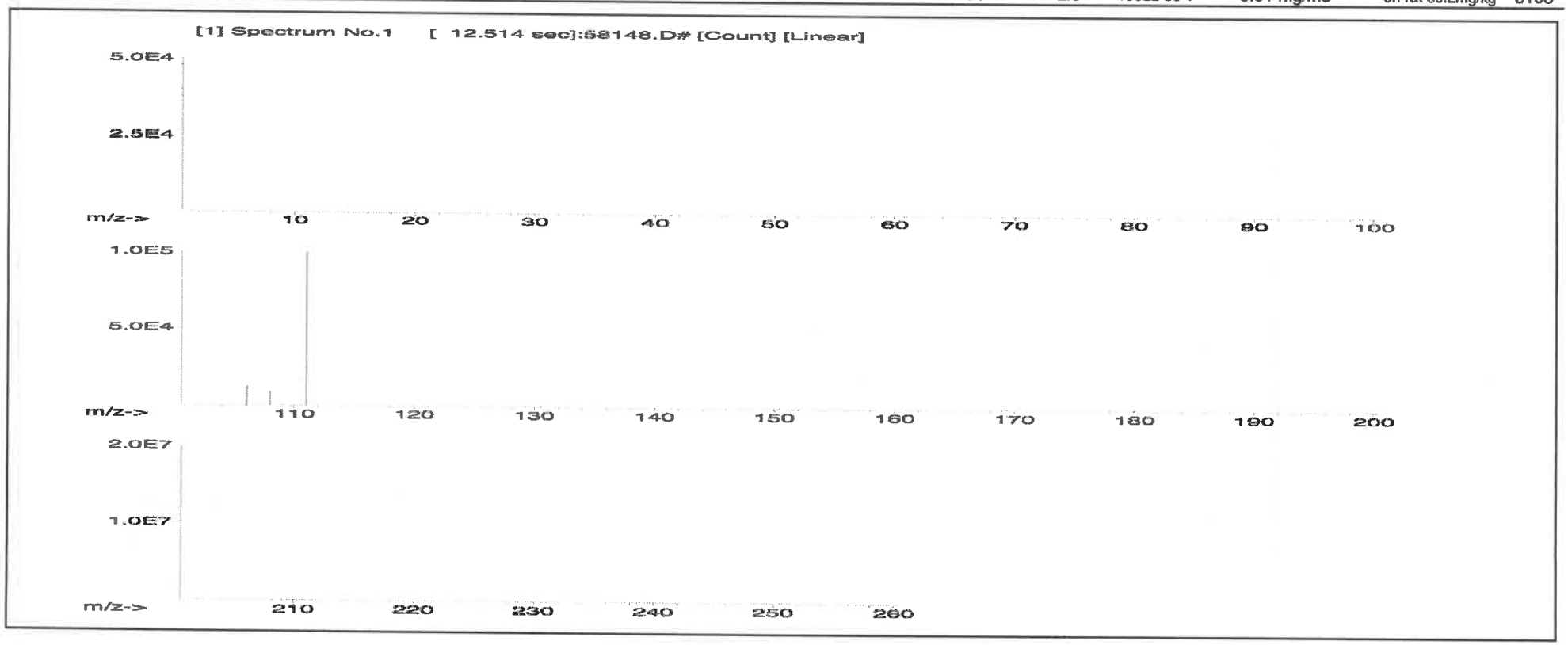
CERTIFIED WEIGHT REPORT:

Part Number:	**57048**		**Lot #**		
Lot Number:	**070124**	**Solvent:**	24002546	Nitric Acid	
Description:	**Cadmium (Cd)**	2%	40.0 (mL)	Nitric Acid	
Expiration Date:	070127				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty		

Aleah O'Brady

Formulated By:	Aleah O'Brady	070124
Reviewed By:	Pedro L. Rentas	070124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Cadmium nitrate tetrahydrate (Cd)	IN024	CDM092021A1	1000	99.999	0.10	36.5	5.4797	5.4804	**1000.1**	**2.0**	10022-68-1	0.01 mg/m3	orl-rat 60.2mg/kg	3108



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	T	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

M5296 OP: 09/19/2022 BH

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CHEM-CLP-4
Lot Number:	S2-MEB711673
Matrix:	3% (v/v) HNO3 3% (v/v) HF
Value / Analyte(s):	1 000 µg/mL ea: Boron, Molybdenum, Silicon, Tin, Titanium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Boron, B	**1 000 ± 6 µg/mL**	**Molybdenum, Mo**	**1 000 ± 6 µg/mL**
Silicon, Si	**1 000 ± 7 µg/mL**	**Tin, Sn**	**1 000 ± 6 µg/mL**
Titanium, Ti	**1 000 ± 7 µg/mL**		

Density: 1.030 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
B	ICP Assay	3107	110830
Mo	ICP Assay	3134	130418
Si	ICP Assay	3150	130912
Sn	ICP Assay	3161a	140917
Ti	ICP Assay	3162a	130925

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

November 02, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **November 02, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-CAL-1
Lot Number:	T2-MEB714417
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	5 000 µg/mL ea: Calcium, Potassium, Magnesium, Sodium, 2 000 µg/mL ea: Aluminum, Barium, 1 000 µg/mL ea: Iron, 500 µg/mL ea: Nickel, Vanadium, Zinc, Cobalt, Manganese, 250 µg/mL ea: Silver, Copper, 200 µg/mL ea: Chromium, 50 µg/mL ea: Beryllium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	**2 000 ± 7 µg/mL**	**Barium, Ba**	**2 000 ± 9 µg/mL**
Beryllium, Be	**50.00 ± 0.26 µg/mL**	**Calcium, Ca**	**5 000 ± 22 µg/mL**
Chromium, Cr	**200.0 ± 1.0 µg/mL**	**Cobalt, Co**	**500.0 ± 2.4 µg/mL**
Copper, Cu	**250.0 ± 1.0 µg/mL**	**Iron, Fe**	**1 000 ± 4 µg/mL**
Magnesium, Mg	**5 000 ± 20 µg/mL**	**Manganese, Mn**	**500.0 ± 2.0 µg/mL**
Nickel, Ni	**500.0 ± 2.2 µg/mL**	**Potassium, K**	**5 000 ± 19 µg/mL**
Silver, Ag	**250.0 ± 1.1 µg/mL**	**Sodium, Na**	**5 000 ± 18 µg/mL**
Vanadium, V	**499.7 ± 2.2 µg/mL**	**Zinc, Zn**	**500.0 ± 2.2 µg/mL**

Density: 1.118 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cr	Calculated		See Sec. 4.2
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	3152a	120715
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
V	IC Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information.

https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 27, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **January 27, 2027**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

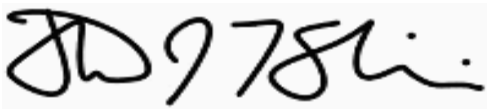
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-CAL-3
Lot Number:	T2-MEB714159
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	1 000 µg/mL ea: Arsenic, Lead, Selenium, Thallium, 500 µg/mL ea: Cadmium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Arsenic, As	**1 000 ± 8 µg/mL**	**Cadmium, Cd**	**500.0 ± 2.1 µg/mL**
Lead, Pb	**1 000 ± 5 µg/mL**	**Selenium, Se**	**1 000 ± 8 µg/mL**
Thallium, Tl	**1 000 ± 7 µg/mL**		

Density: 1.043 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
As	ICP Assay	3103a	100818
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Tl	ICP Assay	3158	151215

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 13, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **January 13, 2027**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

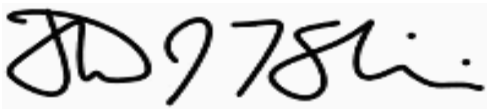
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 8/15/24 M6025

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 57182
Lot Number: 110923
Description: Lead (Pb)

Expiration Date: 110926
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB

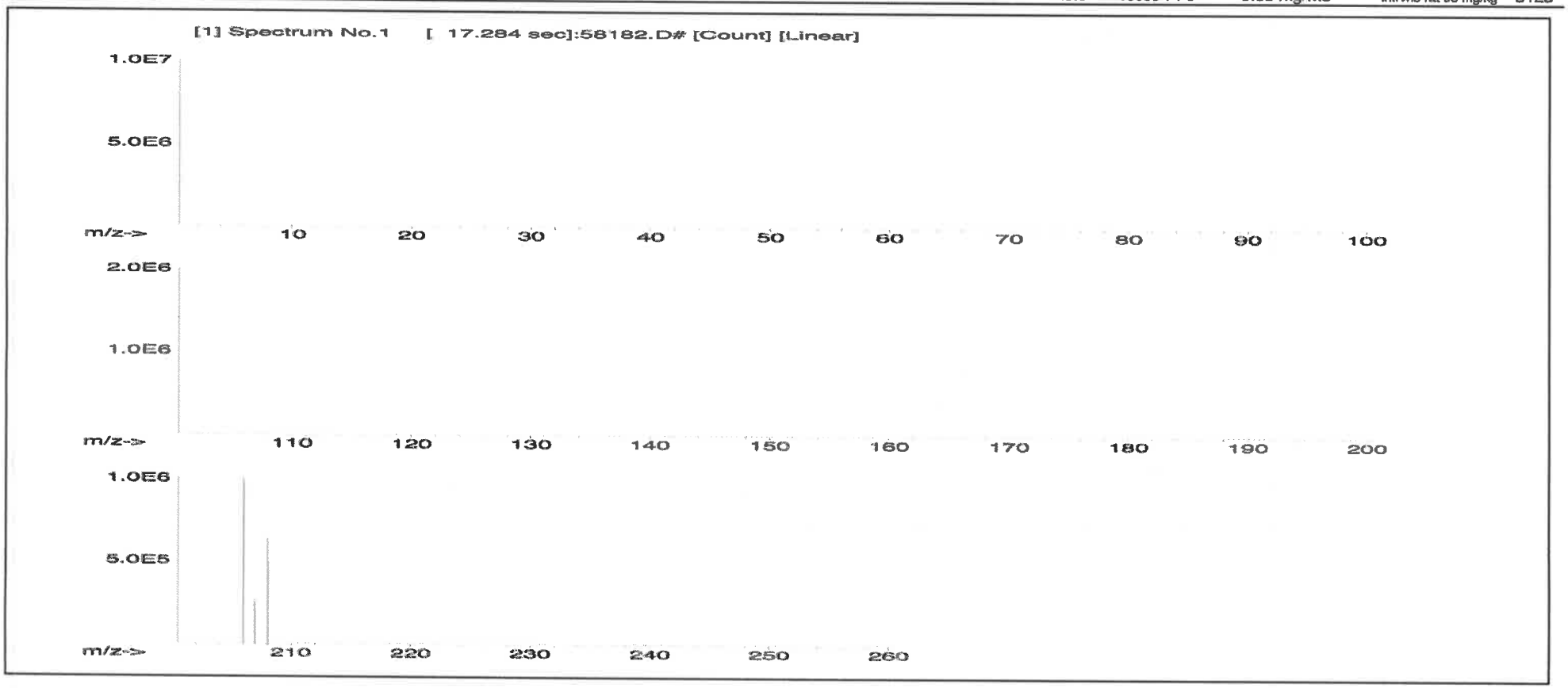
Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

		Lot #	
Solvent:	24002546	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Formulated By:	Lawence Barry	110923
Reviewed By:	Pedro L. Rentas	110923

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lead(II) nitrate (Pb)	IN029	PBD122016A1	10000	99.999	0.10	62.5	32.0006	32.0040	**10001.1**	**20.0**	10099-74-8	0.05 mg/m3	intrvns-rat 93 mg/kg	3128



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	T	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
"An ISO 9001:2015 Certified Program"

Instructions for QATS Reference Material: *ICP-AES ICS*

QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-AES (ICSA WITH ICSB)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix. **For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-1211" and for the ICSAB mixture use "ICSA-1211+ICSB-0710".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

The interference check sample set is to be used to verify inter-element and background correction factors of inductively-coupled plasma (ICP) spectrometers. This reference material set consists of two (2) concentrated solutions. The ICSA solution contains the four (4) interferent elements: Al, Ca, Fe, and Mg. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be,

The Quality Assurance Technical Support (QATS) contract is operated by APTIM Federal Services, LLC.

Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for ICP-AES Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

ICSA-1211, Interferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 2% v/v HNO_3. Analyze this ICSA solution by ICP-AES.

ICSB-0710, Analytes, mixed with ICSA-1211, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 2% v/v HNO_3. Analyze this ICSAB solution by ICP-AES.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-AES ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-AES ICSA-1211, AND ICSA-1211 MIXED WITH ICSB-0710

Element	CRQL	Part A (µg/L)	Low Limit (µg/L)	High Limit (µg/L)	Part A +Part B (µg/L)	Low Limit (µg/L)	High Limit (µg/L)
Al	200	255000	216000	294000	247000	209000	285000
Sb	60	(0.0)	-60.0	60.0	618	525	711
As	10	(0.0)	-10.0	10.0	104	88.4	120
Ba	200	(6.0)	-194	206	(537)	337	737
Be	5.0	(0.0)	-5.0	5.0	495	420	570
Cd	5.0	(1.0)	-4.0	6.0	972	826	1120
Ca	5000	245000	208000	282000	235000	199000	271000
Cr	10	(52.0)	42.0	62.0	542	460	624
Co	50	(0.0)	-50.0	50.0	476	404	548
Cu	25	(2.0)	-23.0	27.0	511	434	588
Fe	100	101000	85600	116500	99300	84400	114500
Pb	10	(0.0)	-10.0	10.0	(49.0)	39.0	59.0
Mg	5000	255000	216000	294000	248000	210000	286000
Mn	15	(7.0)	-8.0	22.0	507	430	584
Ni	40	(2.0)	-38.0	42.0	954	810	1100
Se	35	(0.0)	-35.0	35.0	(46.0)	11.0	81.0
Ag	10	(0.0)	-10.0	10.0	201	170	232
Tl	25	(0.0)	-25.0	25.0	(108)	83.0	133
V	50	(0.0)	-50.0	50.0	491	417	565
Zn	60	(0.0)	-60.0	60.0	952	809	1095

ICSA M5126 M5127 M5128 M5129 M5130

ICSB M5219 M5220 M5221 M5222 M5223

The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 1 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CHEM-QC-4
Lot Number:	S2-MEB711674
Matrix:	3% (v/v) HNO3 3% (v/v) HF
Value / Analyte(s):	1 000 µg/mL ea: Boron, Molybdenum, Silicon, Tin, Titanium

Second Source: Whenever possible, this solution was manufactured from a second set of concentrates in our manufacturing facility.

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Boron, B	**1 000 ± 7 µg/mL**	**Molybdenum, Mo**	**1 000 ± 5 µg/mL**
Silicon, Si	**1 000 ± 7 µg/mL**	**Tin, Sn**	**1 000 ± 5 µg/mL**
Titanium, Ti	**1 001 ± 6 µg/mL**		

Density: 1.032 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
B	ICP Assay	3107	110830
Mo	ICP Assay	3134	130418
Si	ICP Assay	3150	130912
Sn	ICP Assay	3161a	140917
Ti	ICP Assay	3162a	130925

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

November 02, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **November 02, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
"An ISO 9001:2015 Certified Program"

Instructions for QATS Reference Material: *ICP-AES ICS*

QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-AES (ICSA WITH ICSB)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix. **For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-1211" and for the ICSAB mixture use "ICSA-1211+ICSB-0710".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

The interference check sample set is to be used to verify inter-element and background correction factors of inductively-coupled plasma (ICP) spectrometers. This reference material set consists of two (2) concentrated solutions. The ICSA solution contains the four (4) interferent elements: Al, Ca, Fe, and Mg. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be,

The Quality Assurance Technical Support (QATS) contract is operated by APTIM Federal Services, LLC.

Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for ICP-AES Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

ICSA-1211, Interferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 2% v/v HNO_3. Analyze this ICSA solution by ICP-AES.

ICSB-0710, Analytes, mixed with ICSA-1211, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 2% v/v HNO_3. Analyze this ICSAB solution by ICP-AES.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-AES ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-AES ICSA-1211, AND ICSA-1211 MIXED WITH ICSB-0710

Element	CRQL	Part A (µg/L)	Low Limit (µg/L)	High Limit (µg/L)	Part A +Part B (µg/L)	Low Limit (µg/L)	High Limit (µg/L)
Al	200	255000	216000	294000	247000	209000	285000
Sb	60	(0.0)	-60.0	60.0	618	525	711
As	10	(0.0)	-10.0	10.0	104	88.4	120
Ba	200	(6.0)	-194	206	(537)	337	737
Be	5.0	(0.0)	-5.0	5.0	495	420	570
Cd	5.0	(1.0)	-4.0	6.0	972	826	1120
Ca	5000	245000	208000	282000	235000	199000	271000
Cr	10	(52.0)	42.0	62.0	542	460	624
Co	50	(0.0)	-50.0	50.0	476	404	548
Cu	25	(2.0)	-23.0	27.0	511	434	588
Fe	100	101000	85600	116500	99300	84400	114500
Pb	10	(0.0)	-10.0	10.0	(49.0)	39.0	59.0
Mg	5000	255000	216000	294000	248000	210000	286000
Mn	15	(7.0)	-8.0	22.0	507	430	584
Ni	40	(2.0)	-38.0	42.0	954	810	1100
Se	35	(0.0)	-35.0	35.0	(46.0)	11.0	81.0
Ag	10	(0.0)	-10.0	10.0	201	170	232
Tl	25	(0.0)	-25.0	25.0	(108)	83.0	133
V	50	(0.0)	-50.0	50.0	491	417	565
Zn	60	(0.0)	-60.0	60.0	952	809	1095

ICSA M5126 M5127 M5128 M5129 M5130

ICSB M5219 M5220 M5221 M5222 M5223

The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 1 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

M5289 R: 07/12/22 (BH)

Certified Reference Material CRM

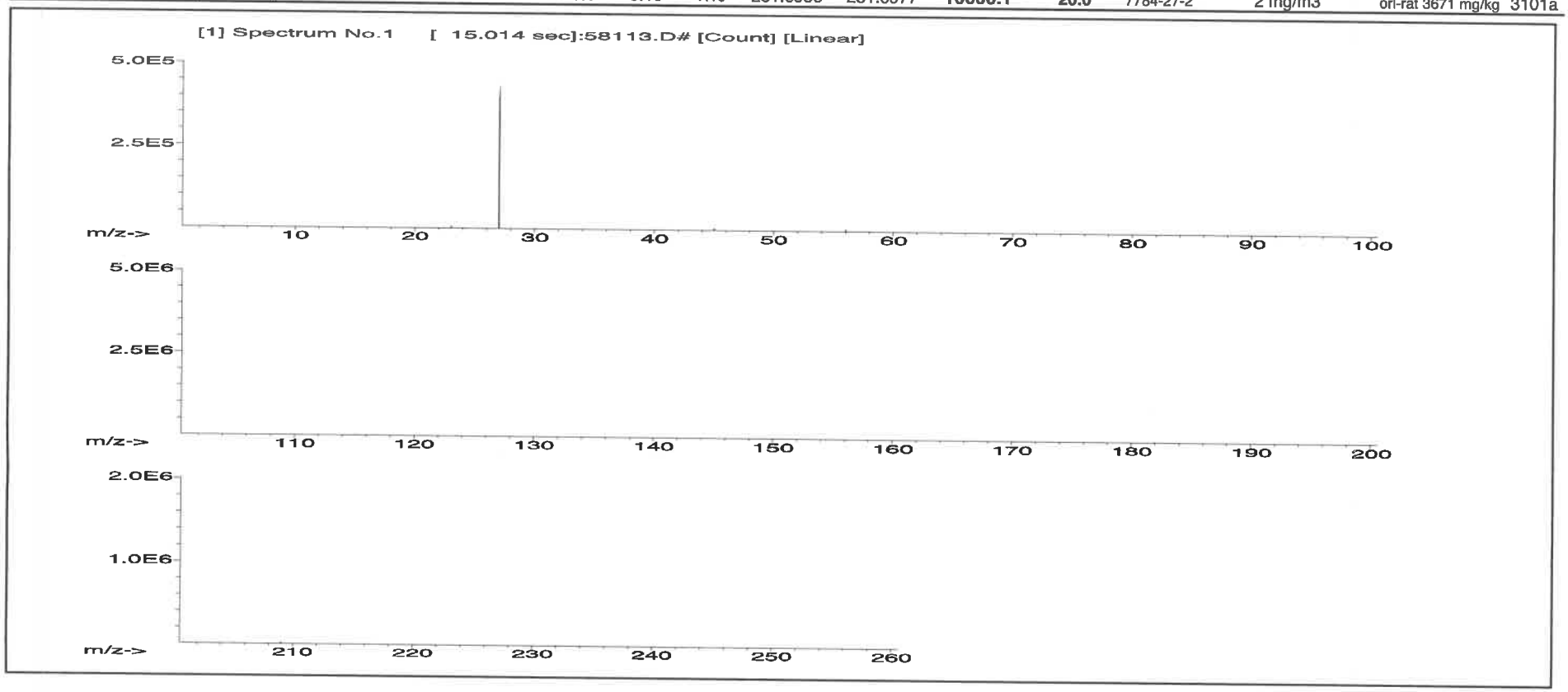
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number:	**58113**			**Lot #**	
Lot Number:	**070622**		**Solvent:**	20370011	Nitric Acid
Description:	**Aluminum (Al)**				
			2%	40.0 (mL)	Nitric Acid
Expiration Date:	070625				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By:	Lawrence Barry	070622
Reviewed By:	Pedro L. Rentas	070622

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Aluminum nitrate nonahydrate (Al)	IN022	ALD012021A1	10000	99.999	0.10	7.10	281.6956	281.6977	**10000.1**	**20.0**	7784-27-2	2 mg/m3	orl-rat 3671 mg/kg	3101a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	T	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

QATS LABORATORY INORGANIC REFERENCE MATERIAL INITIAL CALIBRATION VERIFICATION SOLUTIONS (ICV1, ICV5, AND ICV6)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Metals in Dilute Acidic or Cyanide in Basic Aqueous Solutions
HAZARDOUS MATERIAL

Safety Data Sheets Available Upon Request

M5291
M5292
M5293
M5294
M5295

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more Aqueous Inorganic Reference Materials containing various analyte concentrations. ICV1 and ICV5 are in a matrix of dilute nitric acid. ICV6 is in a matrix of dilute basic solution. **For the reference material source in reporting ICVs use "USEPA". For the reference material lot number for the ICV1, ICV5, and ICV6 solutions use "ICV1-1014", "ICV5-0415", and "ICV6-0400", respectively.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

The Initial Calibration Verification Solutions (ICVs) are to be used to evaluate the accuracy of the initial calibrations of ICP, AA, and Cyanide colorimetric instruments, and are to be used with the CLP SOWs and revisions. The values for each element in the ICVs are listed below in µg/L (ppb) for the resulting solution(s) after the dilution of the concentrate(s) according to the following instructions. Use Class 'A' glassware to prepare the solution(s).

ICV1-1014 For ICP-AES analysis, use a 10-fold dilution by pipetting 10 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

The Quality Assurance Technical Support (QATS) contract is operated by APTIM Federal Services, LLC.

ICV1-1014 For ICP-MS analysis, use a 50-fold dilution by pipetting 2 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

ICV5-0415 For the cold vapor analysis of mercury by AA, use a 100-fold dilution by pipetting 1 mL of the ICV5 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV5 concentrate is prepared in 0.05% (w/v) $K_2Cr_2O_7$ and 5% (v/v) nitric acid.

ICV6-0400 For the analysis of cyanide, use a 100-fold dilution by pipetting 1 mL of the ICV6 concentrate into a 100 mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from $K_3Fe(CN)_6$, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

NOTE: USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

(D) *CERTIFIED CONCENTRATIONS OF QATS ICV1, ICV5, AND ICV6 SOLUTIONS*

ICV1-1014		
Element	**Concentration (µg/L) (after 10-fold dilution)**	**Concentration (µg/L) (after 50-fold dilution)**
Al	2500	500
Sb	1000	200
As	1000	200
Ba	520	100
Be	510	100
Cd	510	100
Ca	10000	2000
Cr	520	100
Co	520	100
Cu	510	100
Fe	10000	2000
Pb	1000	200
Mg	6000	1200
Mn	520	100
Ni	530	110
K	9900	2000
Se	1000	200
Ag	250	50
Na	10000	2000
Tl	1000	210
V	500	100
Zn	1000	200

ICV5-0415		ICV6-0400	
Element	**Concentration (µg/L) (after 100-fold dilution)**	**Analyte**	**Concentration (µg/L) (after 100-fold dilution)**
Hg	4.0	**CN^-**	99

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

R: 09/08/22 (BH)

Certified Reference Material CRM

M5387 . M5389 . M5390 . M5391 . M5392

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

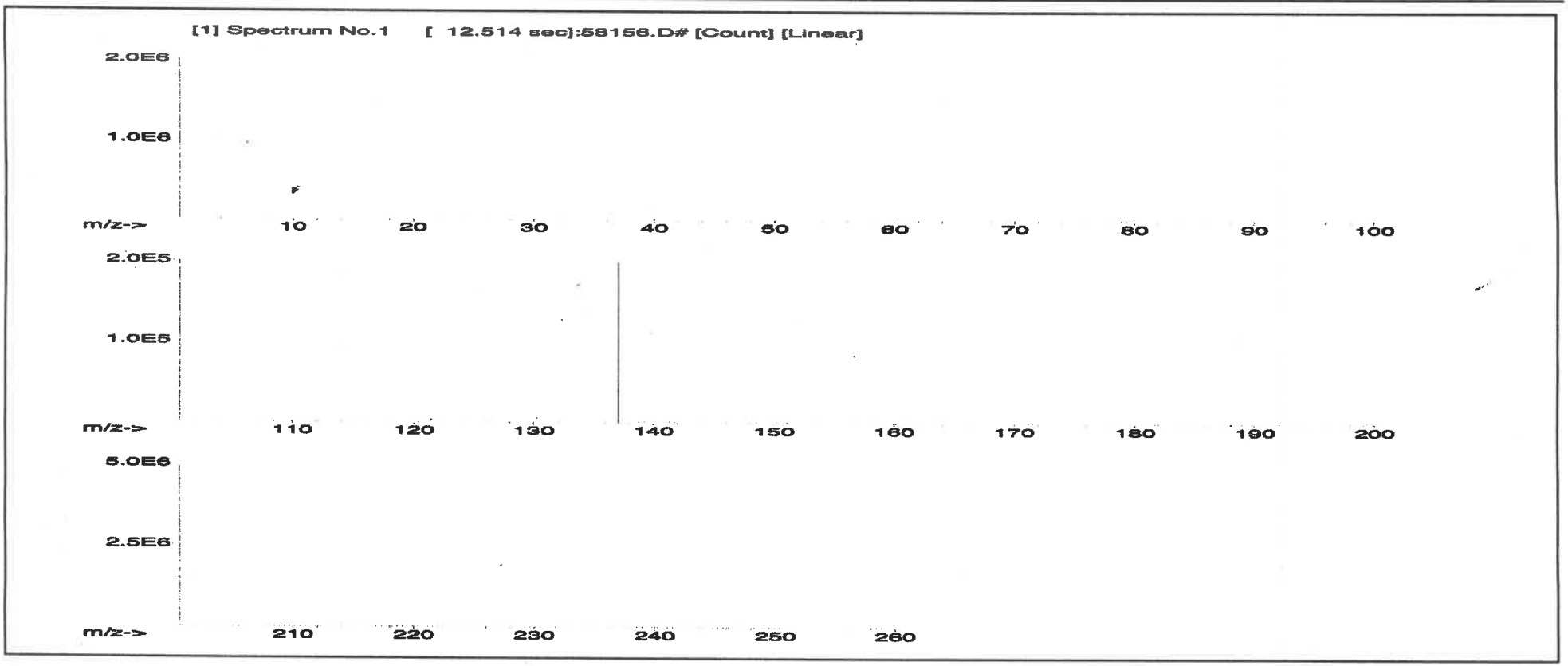
CERTIFIED WEIGHT REPORT:

		Lot #		
Part Number:	**57056**	**Solvent:**	20510011	Nitric Acid
Lot Number:	**072122**			
Description:	**Barium (Ba)**	2%	40.0 (mL)	Nitric Acid
Expiration Date:	072125			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Giovanni Esposito

Formulated By:	Giovanni Esposito	072122
Reviewed By:	Pedro L. Rentas	072122

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Barium nitrate (Ba)	IN023	BAD022019A1	1000	99.999	0.10	52.3	3.82417	3.82426	**1000.0**	**2.0**	10022-31-8	0.5 mg/m3	orl-rat 355 mg/kg	3104a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	T	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5429 R1 01/26/23 BH

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 57103
Lot Number: 070622
Description: Lithium (Li)

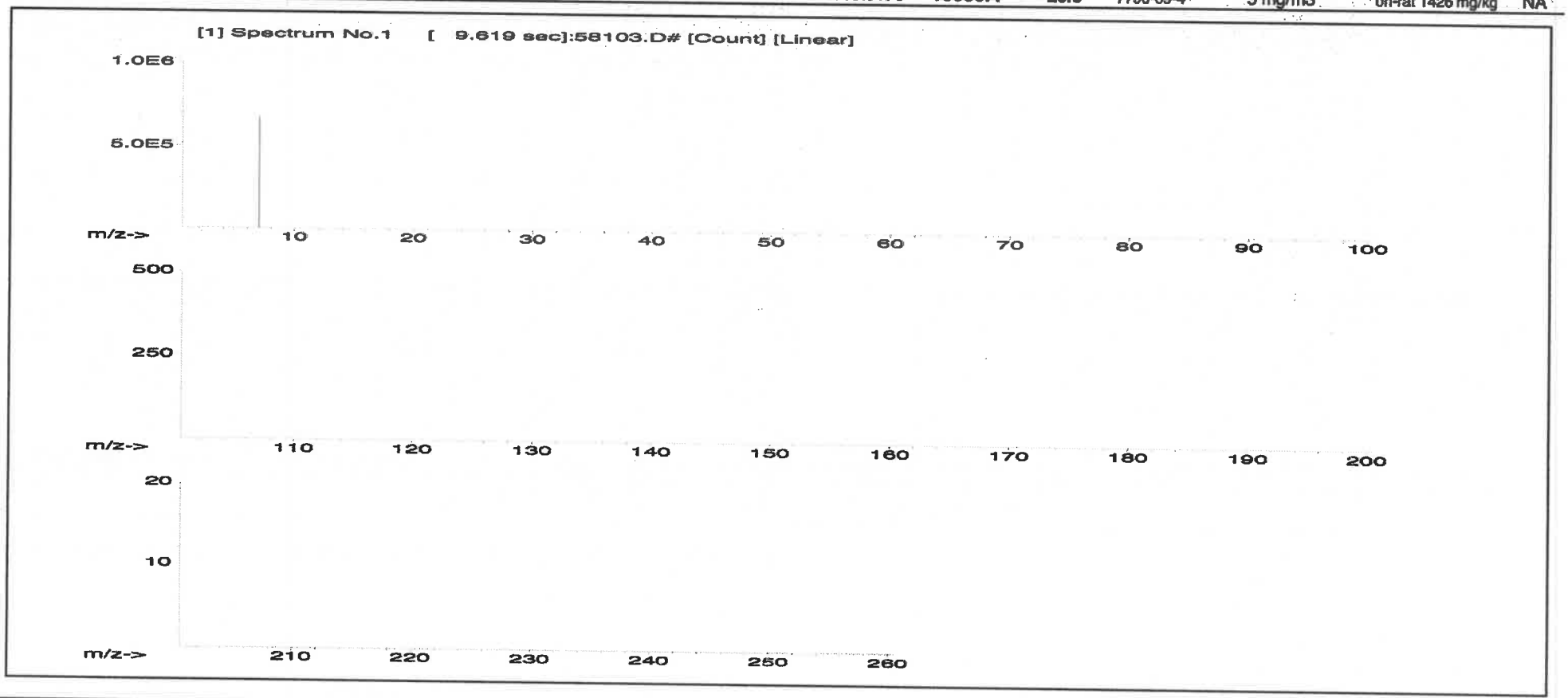
Expiration Date: 070625
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 1000.12

	Lot #		
Solvent:	20510011	Nitric Acid	
2%	20.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Lawrence Barry	070622
Reviewed By:	Pedro L. Rentas	070622

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lithium nitrate (Li)	IN019	LIZ042018A1	10000	99.999	0.10	10.0	100.0134	100.0173	**10000.4**	**20.0**	7790-69-4	5 mg/m3	orl-rat 1426 mg/kg	NA



Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	T	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

IN5497 - IN5498 R: 03/17/23 BH

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58120
Lot Number: 031523
Description: Calcium (Ca)

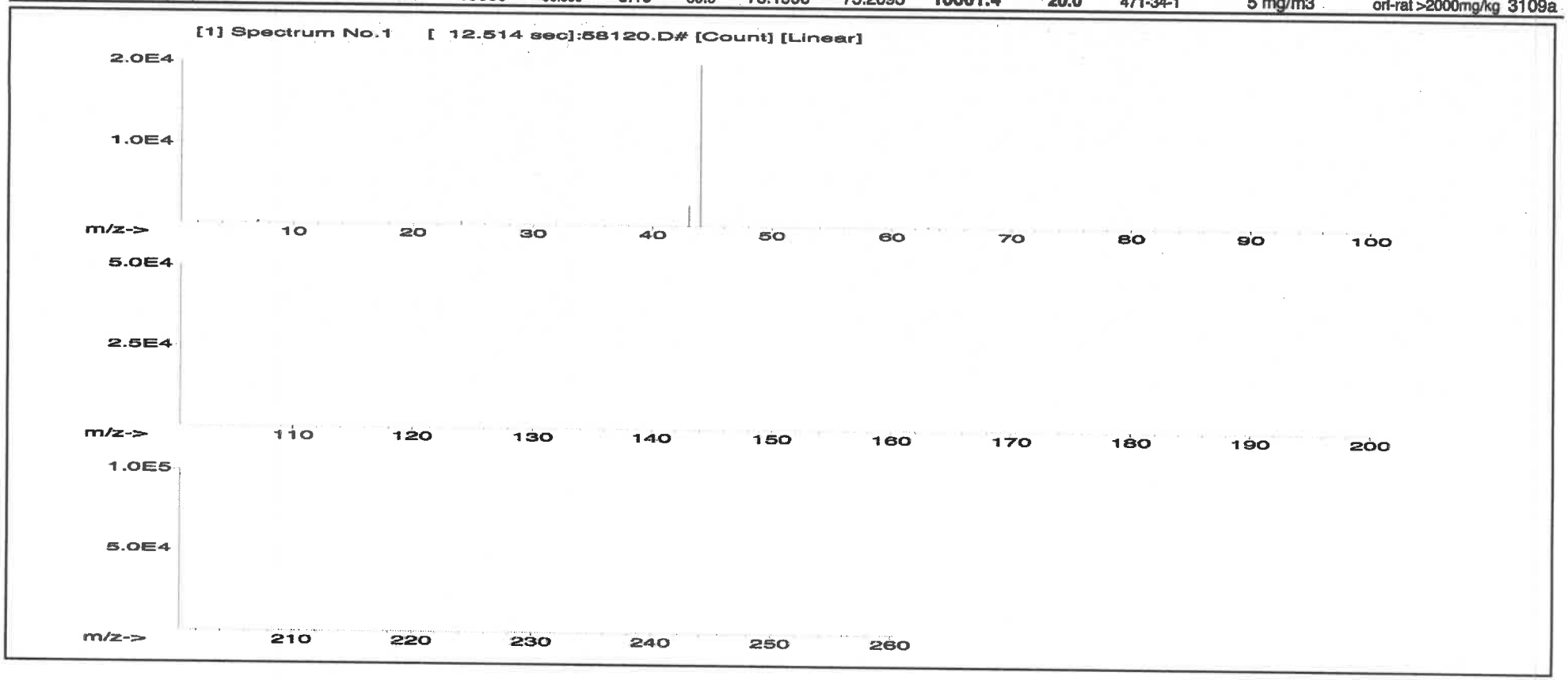
Expiration Date: 031526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.41 ± 0.058 Flask Uncertainty

		Lot #	
Solvent:	21110221	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	

Giovanni Esposito

Formulated By:	Giovanni Esposito	031523
Reviewed By:	Pedro L. Rentas	031523

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Calcium carbonate (Ca)	IN014	CAD072022A1	10000	99.999	0.10	39.9	75.1990	75.2093	**10001.4**	**20.0**	471-34-1	5 mg/m3	orl-rat >2000mg/kg	3109a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	T	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

IN5497 - IN5498 R: 03/17/23 BH

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58120
Lot Number: 031523
Description: Calcium (Ca)

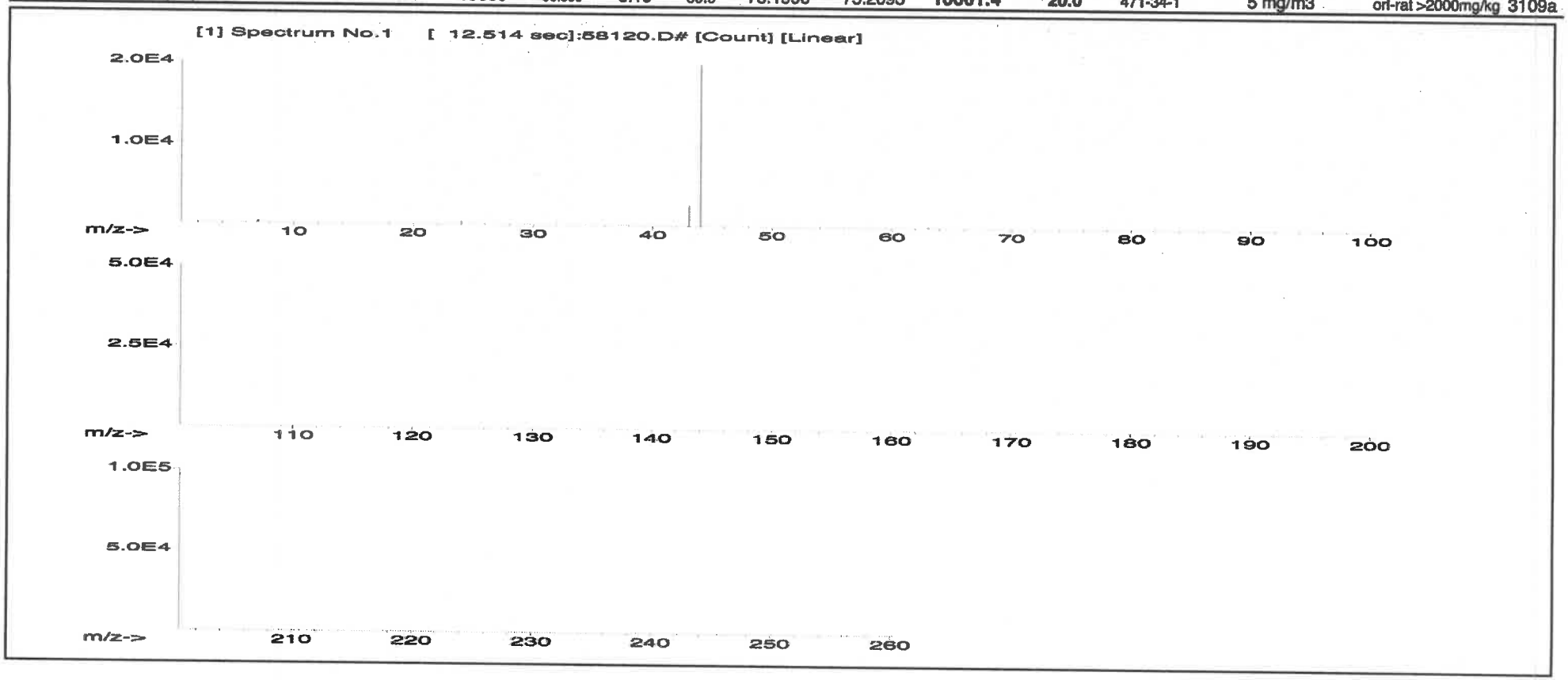
Expiration Date: 031526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.41 ± 0.058 Flask Uncertainty

		Lot #	
Solvent:	21110221	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	

Giovanni Esposito

Formulated By:	Giovanni Esposito	031523
Reviewed By:	Pedro L. Rentas	031523

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Calcium carbonate (Ca)	IN014	CAD072022A1	10000	99.999	0.10	39.9	75.1990	75.2093	**10001.4**	**20.0**	471-34-1	5 mg/m3	orl-rat >2000mg/kg	3109a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	T	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5513 R:03/17/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

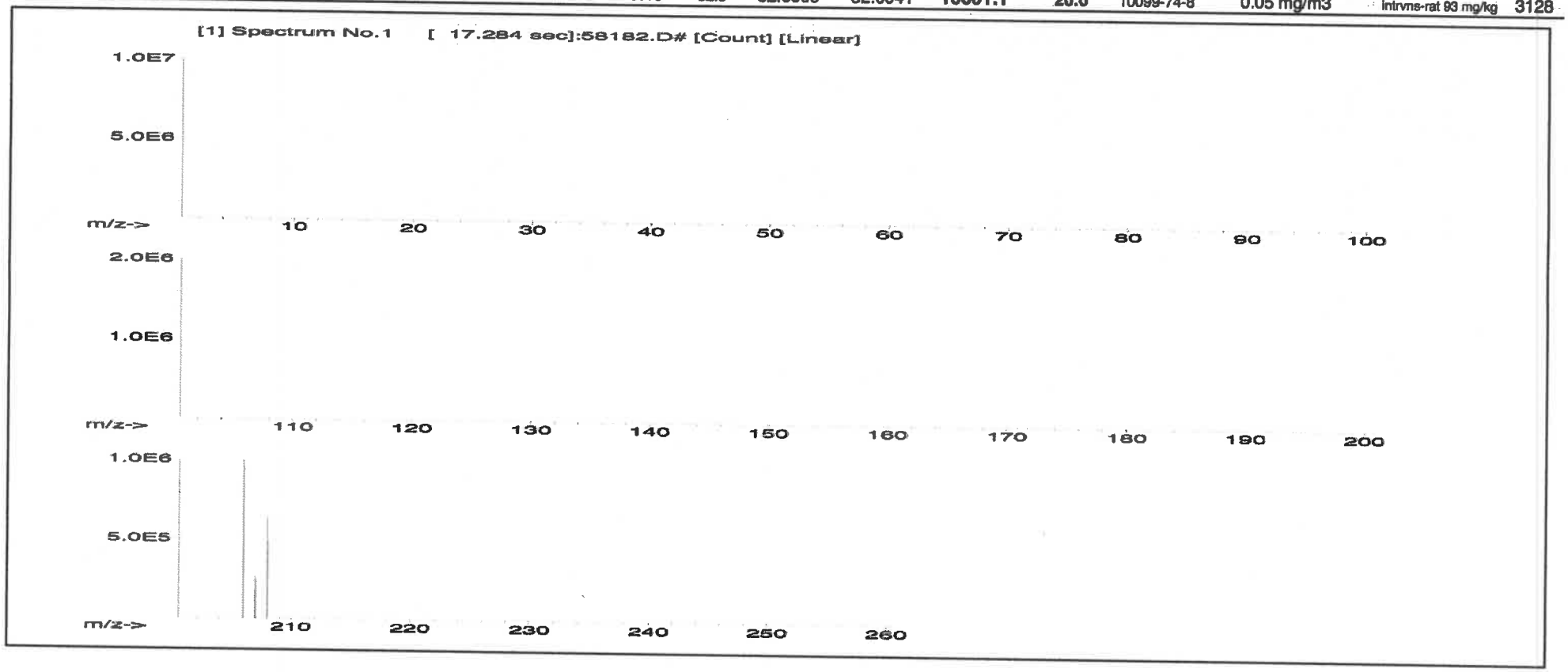
CERTIFIED WEIGHT REPORT:

Part Number:	**57182**		**Lot #**	
Lot Number:	**061522**	**Solvent:**	20510011	Nitric Acid
Description:	**Lead (Pb)**			
		2%	40.0 (mL)	Nitric Acid
Expiration Date:	061525			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**10000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Giovanni Esposito

Formulated By:	Giovanni Esposito	061522
Reviewed By:	Pedro L. Rentas	061522

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lead(II) nitrate (Pb)	IN029	PBD122016A1	10000	99.999	0.10	62.5	32.0006	32.0041	**10001.1**	**20.0**	10099-74-8	0.05 mg/m3	intrvns-rat 93 mg/kg	3128



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	T	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5514 , M5515 R: 03/17/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

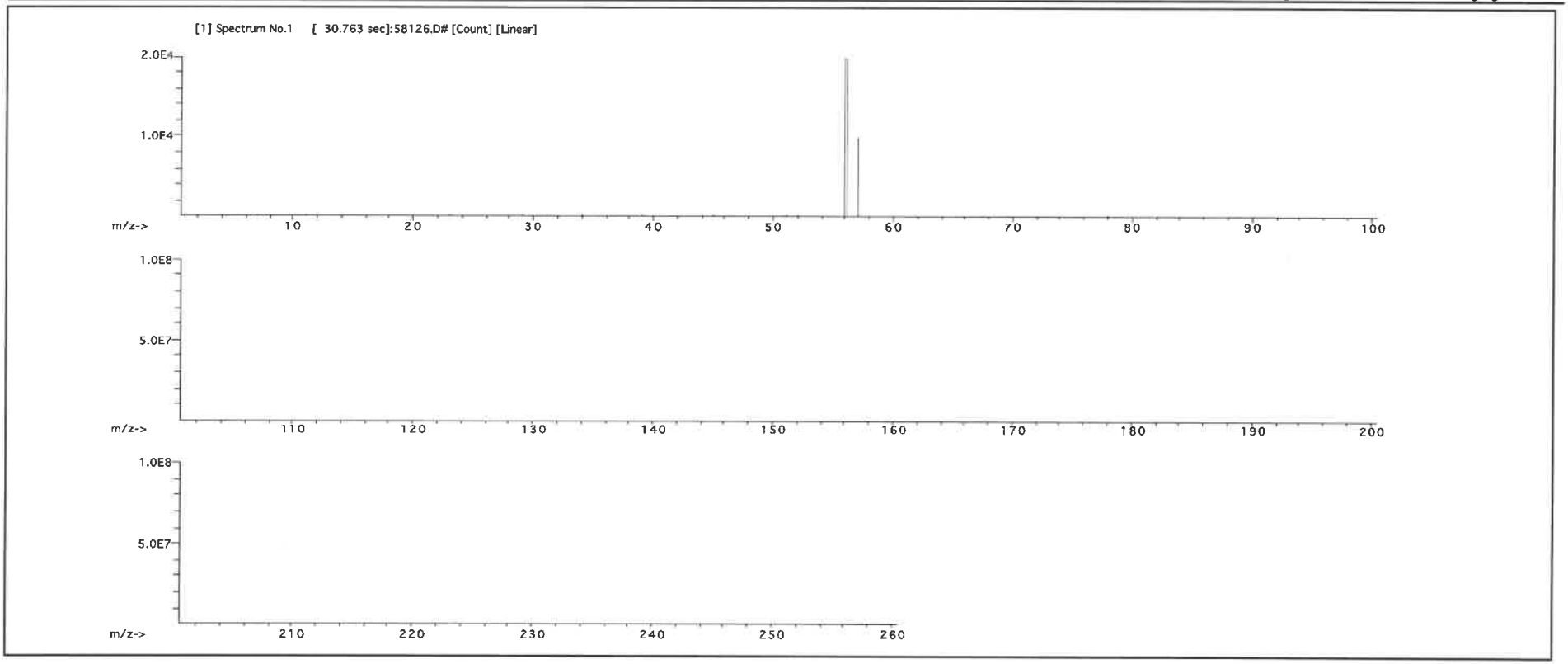
CERTIFIED WEIGHT REPORT:

Part Number:	**58126**		**Lot #**		
Lot Number:	**092122**	**Solvent:**	20510011	Nitric Acid	
Description:	**Iron (Fe)**		7.0%	350.0 (mL)	Nitric Acid
Expiration Date:	092125				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	5000.1	0.12	Flask Uncertainty		

Giovanni Esposito

Formulated By:	Giovanni Esposito	092122
Reviewed By:	Pedro L. Rentas	092122

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Iron (Fe)	IN346	2224912-500	10000	99.995	0.10	100.0	50.0034	50.0111	**10001.5**	**20.0**	7439-89-6	5 mg/m3	orl-rat 7500mg/kg	3126a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.10	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.10	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.05	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.10	Ge	<0.10	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.05
B	<0.02	Cu	<0.10	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M519. M520 (BH) R:03/17/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58119
Lot Number: 120822
Description: Potassium (K)

Expiration Date: 120825
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.4

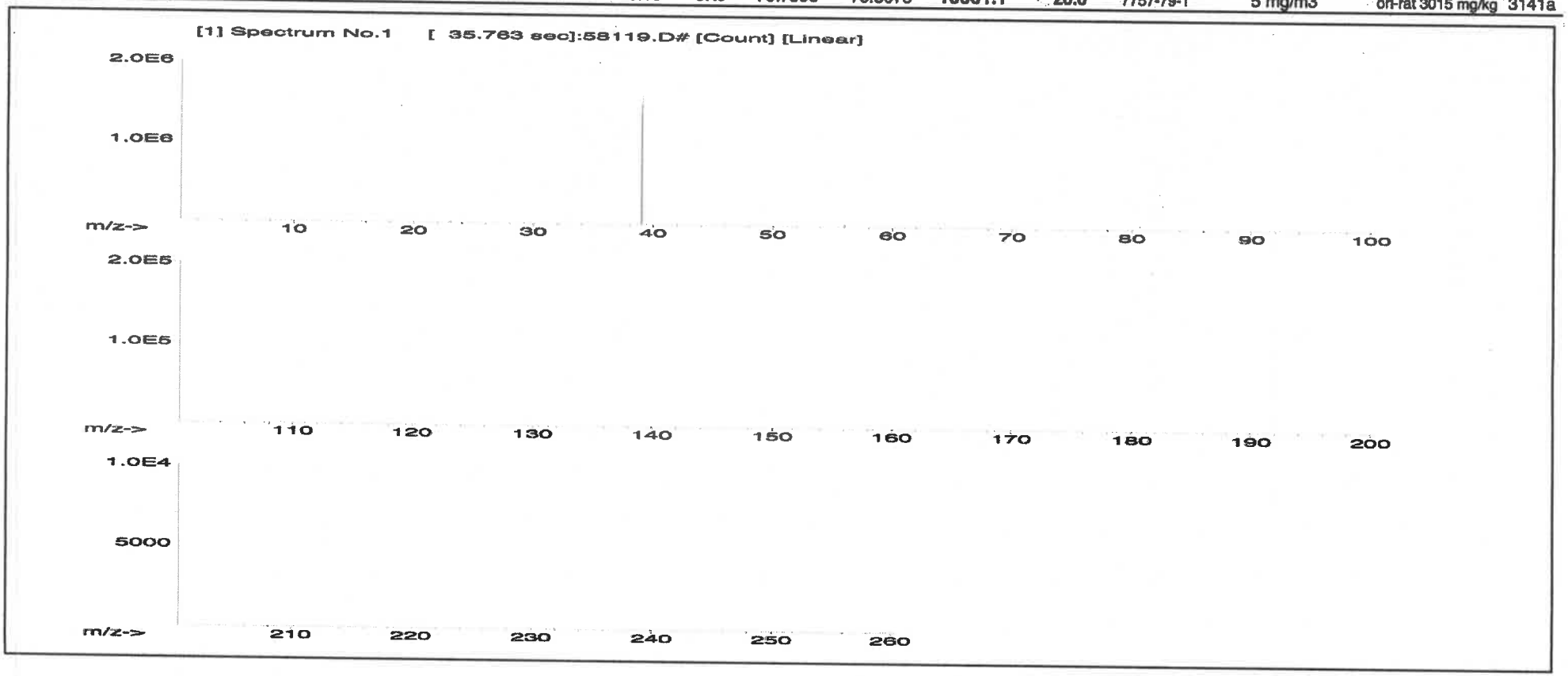
Lot #		
Solvent: 20510011		Nitric Acid
2%	60.0 (mL)	Nitric Acid

5E-05 Balance Uncertainty
0.06 Flask Uncertainty

Giovanni Esposito

Formulated By:	Giovanni Esposito	120822
Reviewed By:	Pedro L. Rentas	120822

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Potassium nitrate (K)	IN034	KD022021A1	10000	99.999	0.10	37.6	79.7990	79.8075	**10001.1**	**20.0**	7757-79-1	5 mg/m3	orl-rat 3015 mg/kg	3141a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	T	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5658 R ! 8/25/23

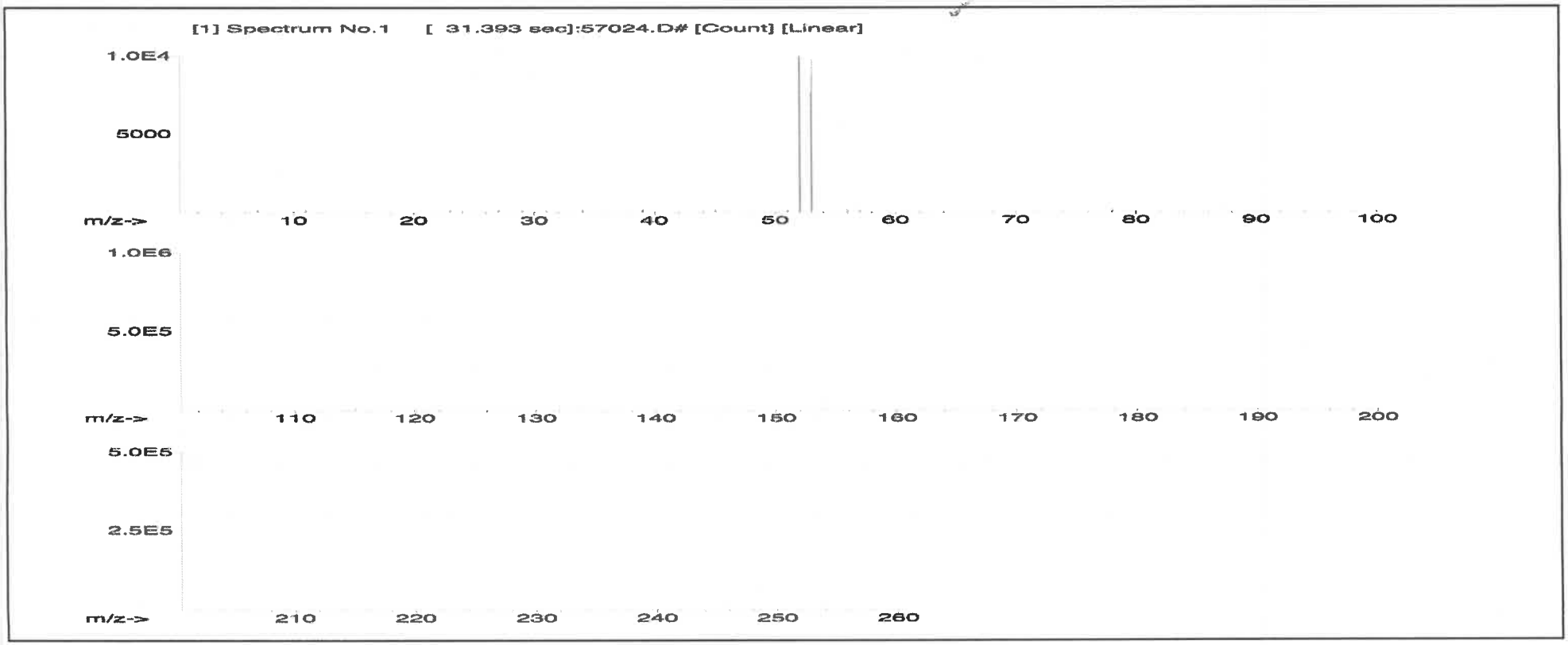
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**58024**	21110221	Nitric Acid	
Lot Number:	**060523**			
Description:	**Chromium (Cr)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	060526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	060523
Reviewed By:	Pedro L. Rentas	060523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Chromium(III) nitrate nonahydrate (Cr)	58124	071122	0.1000	200.0	0.084	1000	10000.1	**1000.0**	**2.2**	7789-02-8	0.5 mg(Cr)/m3	orl-rat 3250 mg/kg	3112a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	T	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5697 R: 10/27/23

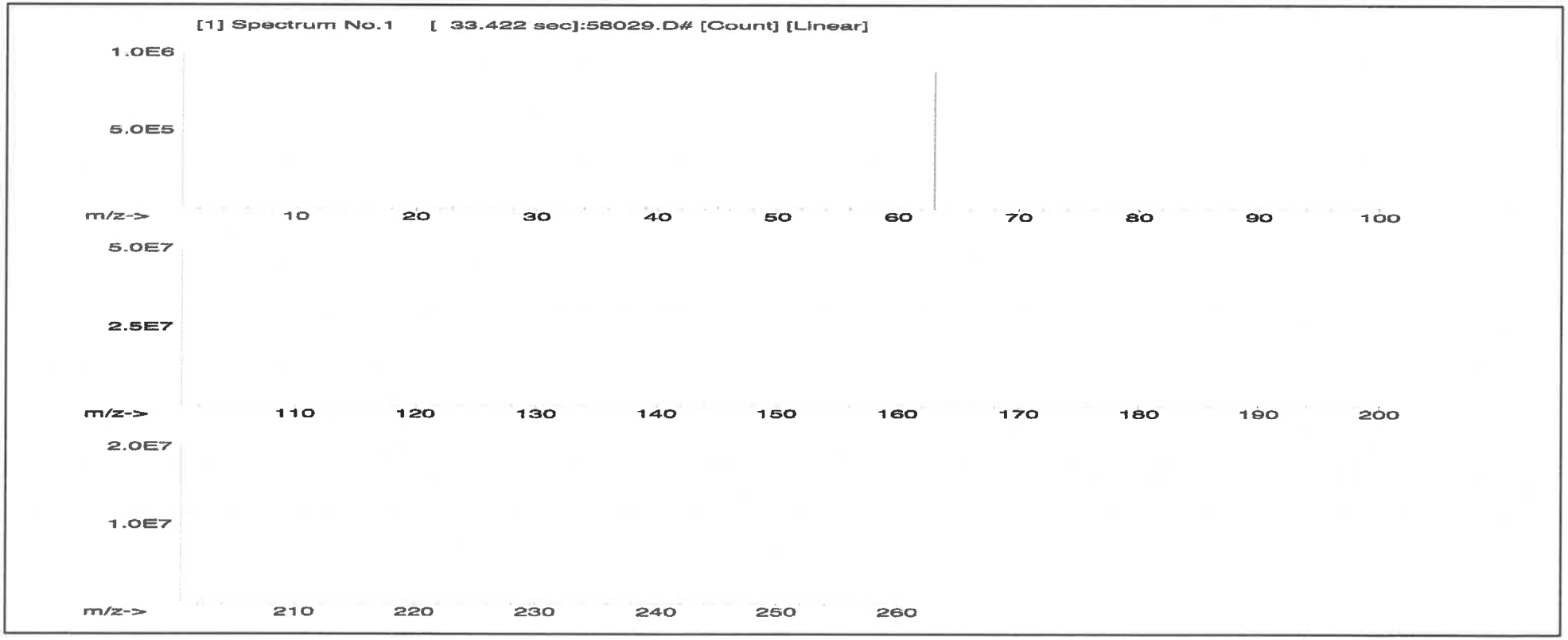
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**58029**	24002546	Nitric Acid	
Lot Number:	**102523**			
Description:	**Copper (Cu)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	102526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Benson Chan	102523
Reviewed By:	Pedro L. Rentas	102523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Copper(II) nitrate trihydrate (Cu)	58129	100223	0.1000	200.0	0.084	1000	10000.1	**1000.0**	**2.2**	10031-43-3	1 mg/m3	orl-rat 794 mg/kg	3114



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	T	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5648 R: 10/27/23

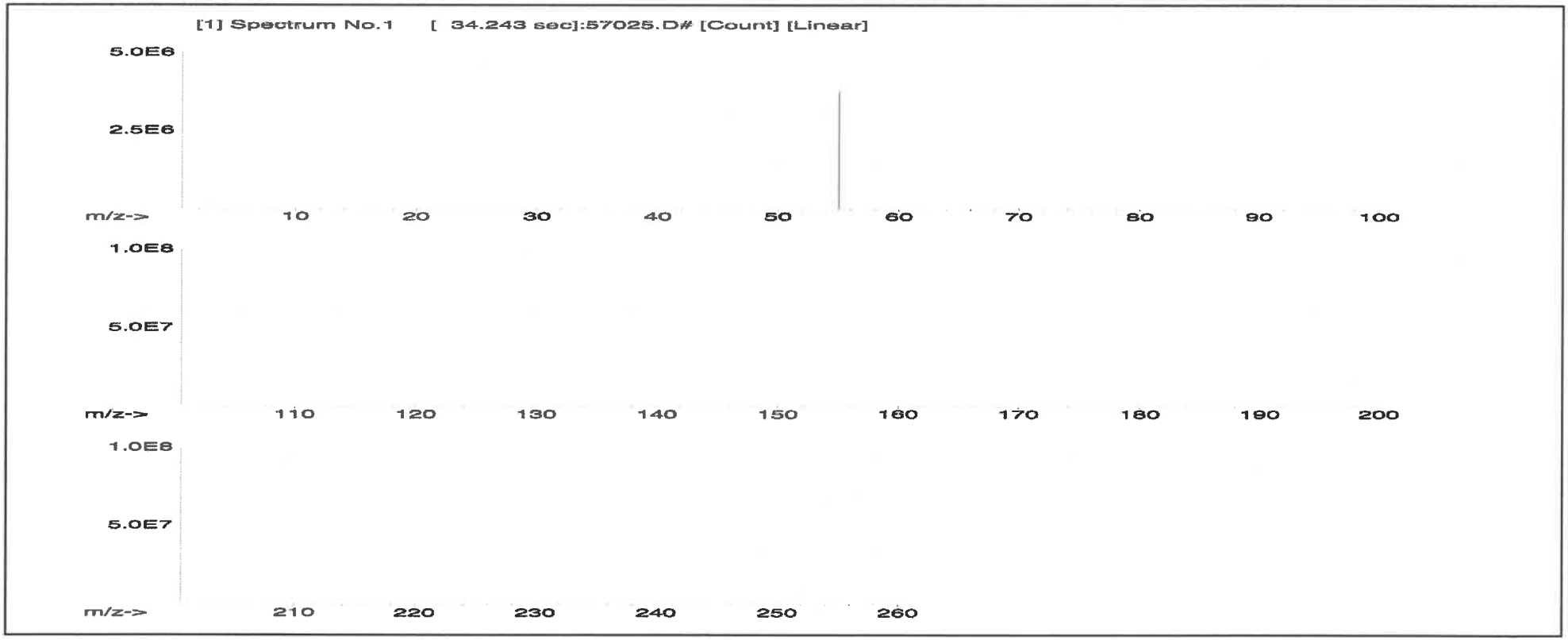
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**58025**	24002546	Nitric Acid	
Lot Number:	**102623**			
Description:	**Manganese (Mn)**			
		2.0%	60.0 (mL)	Nitric Acid
Expiration Date:	102626			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	3000.41	0.058	Flask Uncertainty	

Formulated By:	Benson Chan	102623
Reviewed By:	Pedro L. Rentas	102623

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Manganese(II) nitrate tetrahydrate (Mn)	58125	071123	0.1000	300.0	0.084	1000	10000.1	**1000.0**	**2.1**	20694-39-7	5 mg/m3	orl-rat >300mg/kg	3132



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	T	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

M5768 M5769 (BP) R:1/3/24

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58112
Lot Number: 091823
Description: Magnesium (Mg)

Expiration Date: 091826
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB

M5768, M5769 (BP) R: 1/3/24

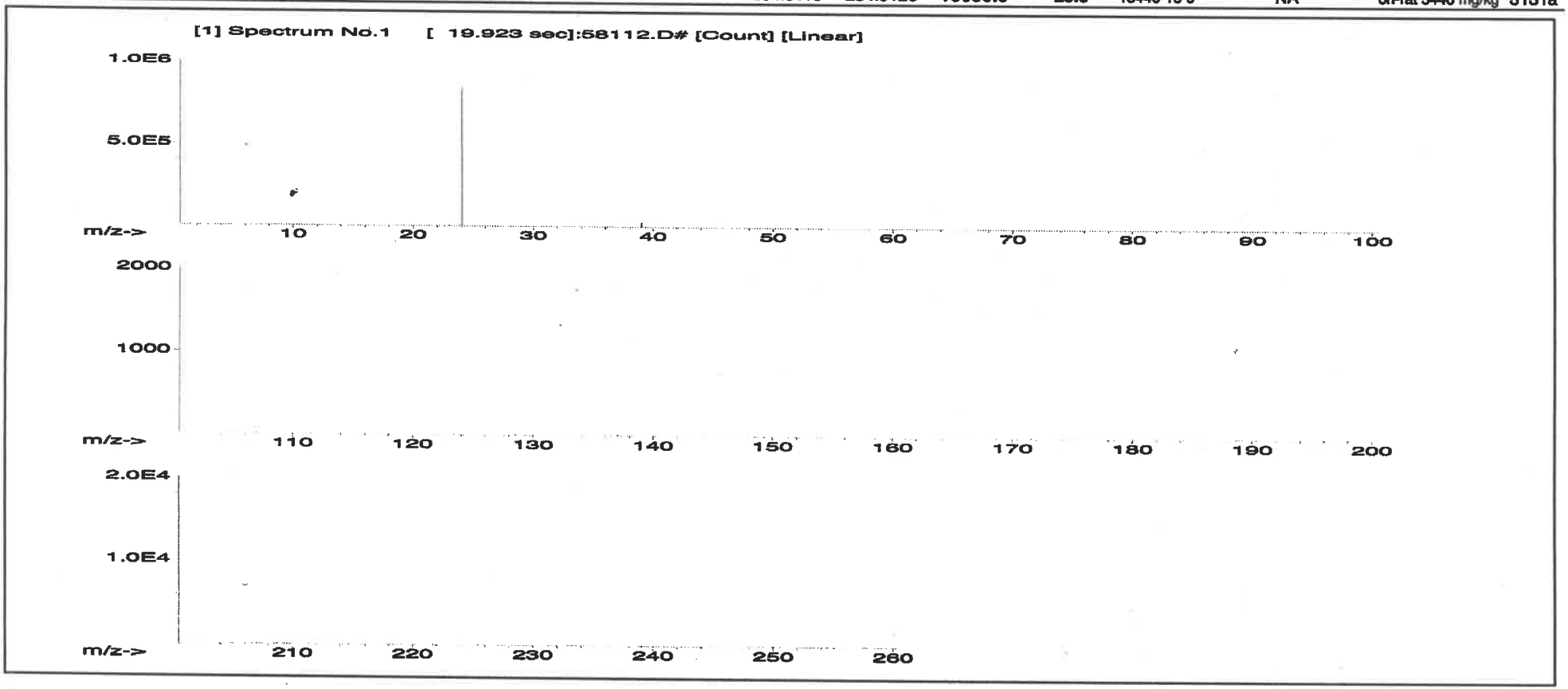
Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

	Lot #		
Solvent:	24002546	Nitric Acid	
	2%	40.0 (mL)	Nitric Acid
		5E-05	Balance Uncertainty

Formulated By: Lawrence Barry 091823

Reviewed By: Pedro L. Rentas 091823

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Magnesium nitrate hexahydrate (Mg)	IN030	MGD052023A1	10000	99.999	0.10	8.51	234.9118	234.9126	**10000.0**	**20.0**	13446-18-9	NA	ori-rat 5440 mg/kg	3131a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	T	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

M5768 M5769 (BP) R:1/3/24

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58112
Lot Number: 091823
Description: Magnesium (Mg)

Expiration Date: 091826
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB

M5768, M5769 (BP) R: 1/3/24

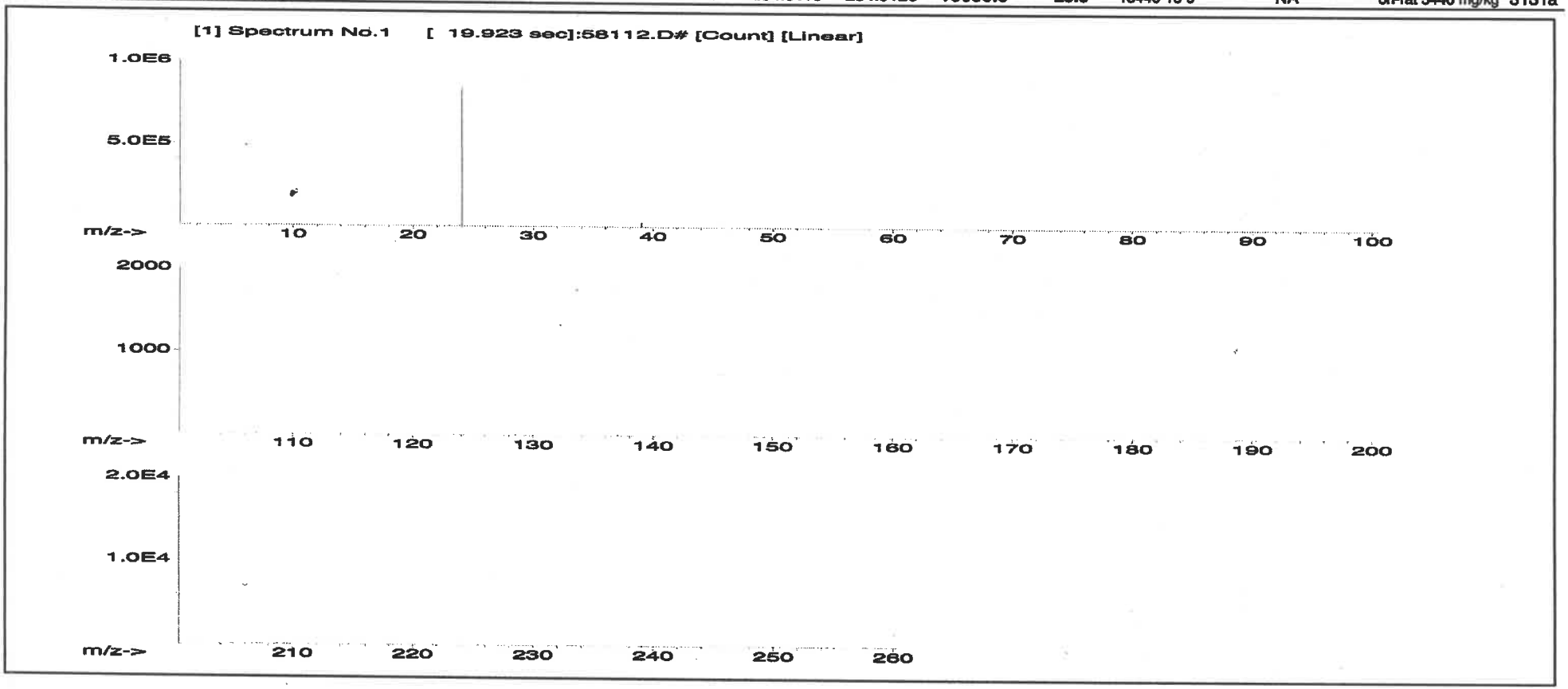
Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

	Lot #		
Solvent:	24002546	Nitric Acid	
	2%	40.0 (mL)	Nitric Acid
		5E-05	Balance Uncertainty

Formulated By: Lawrence Barry 091823

Reviewed By: Pedro L. Rentas 091823

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Magnesium nitrate hexahydrate (Mg)	IN030	MGD052023A1	10000	99.999	0.10	8.51	234.9118	234.9126	**10000.0**	**20.0**	13446-18-9	NA	ori-rat 5440 mg/kg	3131a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	T	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 02/09/24 M5798

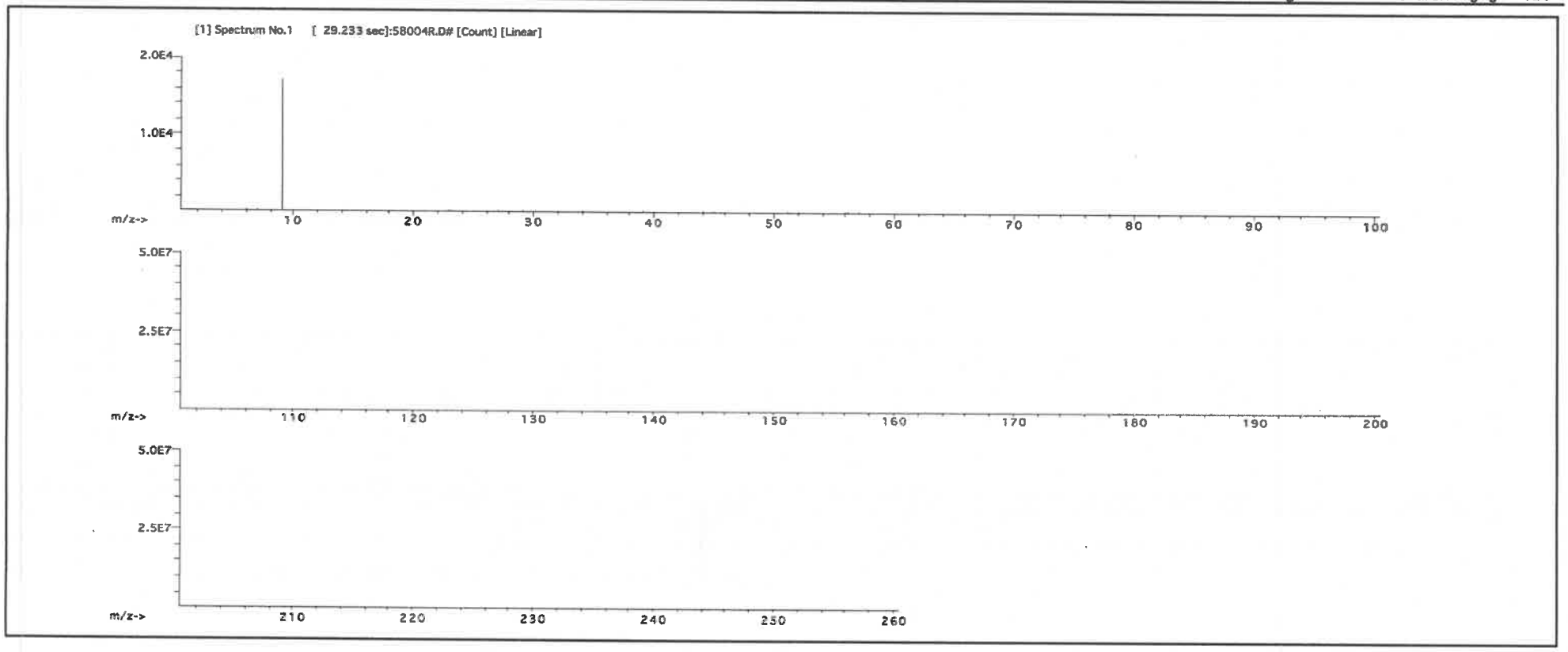
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57004**	24002546	Nitric Acid	
Lot Number:	**102523**			
Description:	**Beryllium (Be)**	2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	102526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Benson Chan	102523
Reviewed By:	Pedro L. Rentas	102523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Beryllium nitrate (Be)	58104	091423	0.1000	200.0	0.084	1000	10001.5	**1000.0**	**2.2**	13597-99-4	0.2ug/m3	intrvns-rat 3.16mg/kg	NA



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	T	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 02/09/24 M5799 BA

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

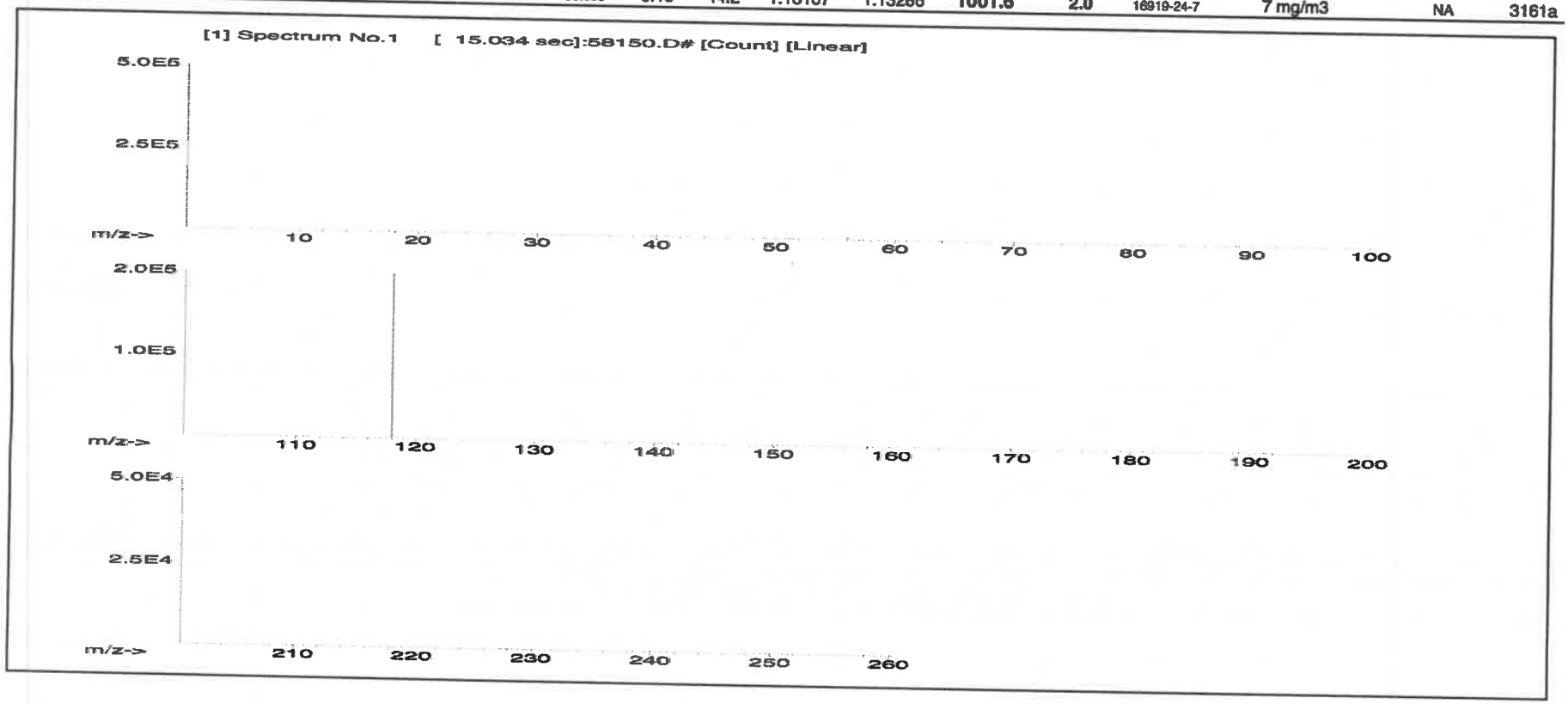
Part Number:	57050
Lot Number:	071123
Description:	Tin (Sn)
Expiration Date:	071126
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	1000
NIST Test Number:	6UTB
Weight shown below was diluted to (mL):	499.93

	Lot #	
Solvents:	21110221	Nitric Acid
	22D0562008	Hydrochloric acid
2%	10.0	Nitric Acid
6%	30.0	Hydrochloric acid
	(mL)	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Benson Chan	071123
Reviewed By:	Pedro L. Rentas	071123

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium hexafluorostannate(IV) (Sn)	IN010	SND042023A1	1000	99.999	0.10	44.2	1.13107	1.13286	1001.6	2.0	16919-24-7	7 mg/m3	NA	3161a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<500	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	T	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 02/09/24 IM5800 BH

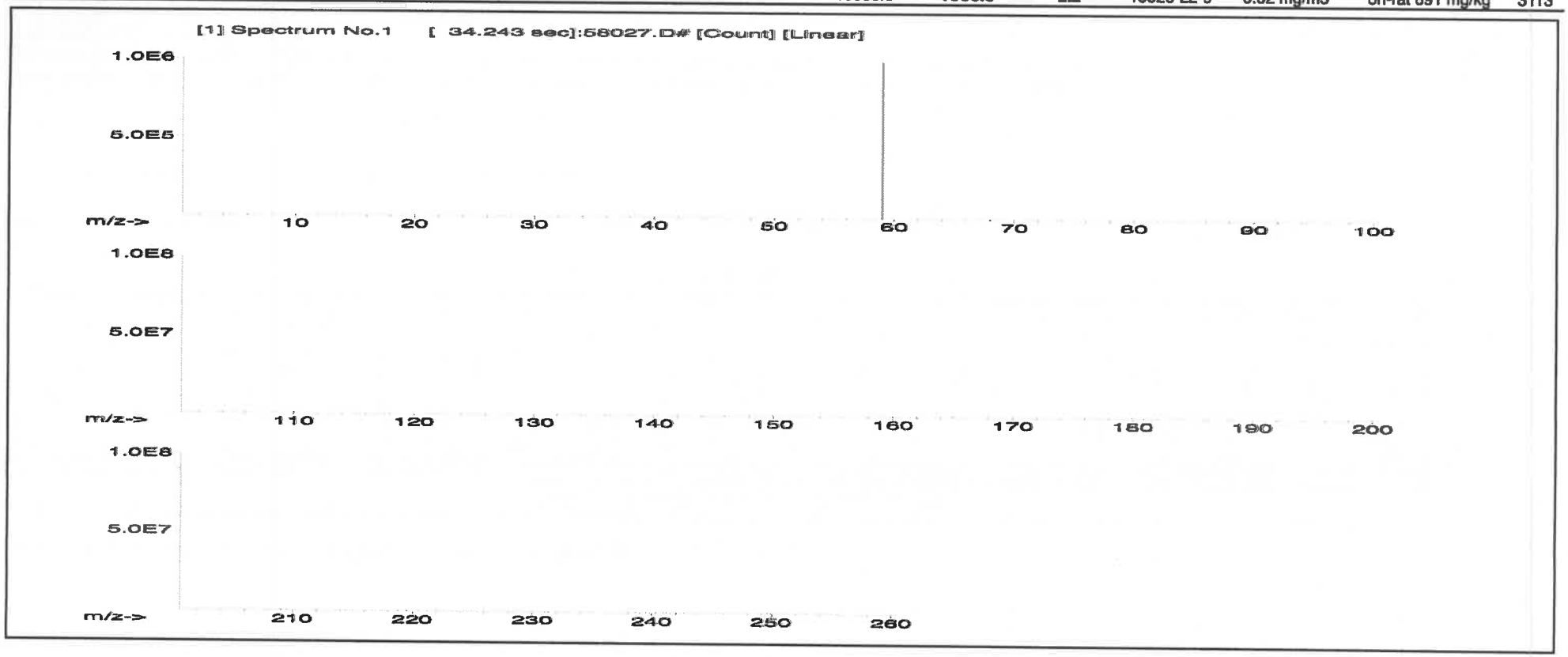
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57027**	24002546	Nitric Acid		
Lot Number:	**091923**				
Description:	**Cobalt (Co)**	2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	091926				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By:	Lawrence Barry	091923
Reviewed By:	Pedro L. Rentas	091923

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Cobalt(II) nitrate hexahydrate (Co)	58127	050923	0.1000	200.0	0.084	1000	10000.0	**1000.0**	**2.2**	10026-22-9	0.02 mg/m3	orl-rat 691 mg/kg	3113



Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	T	Gé	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 02/09/24 IM5801 BH

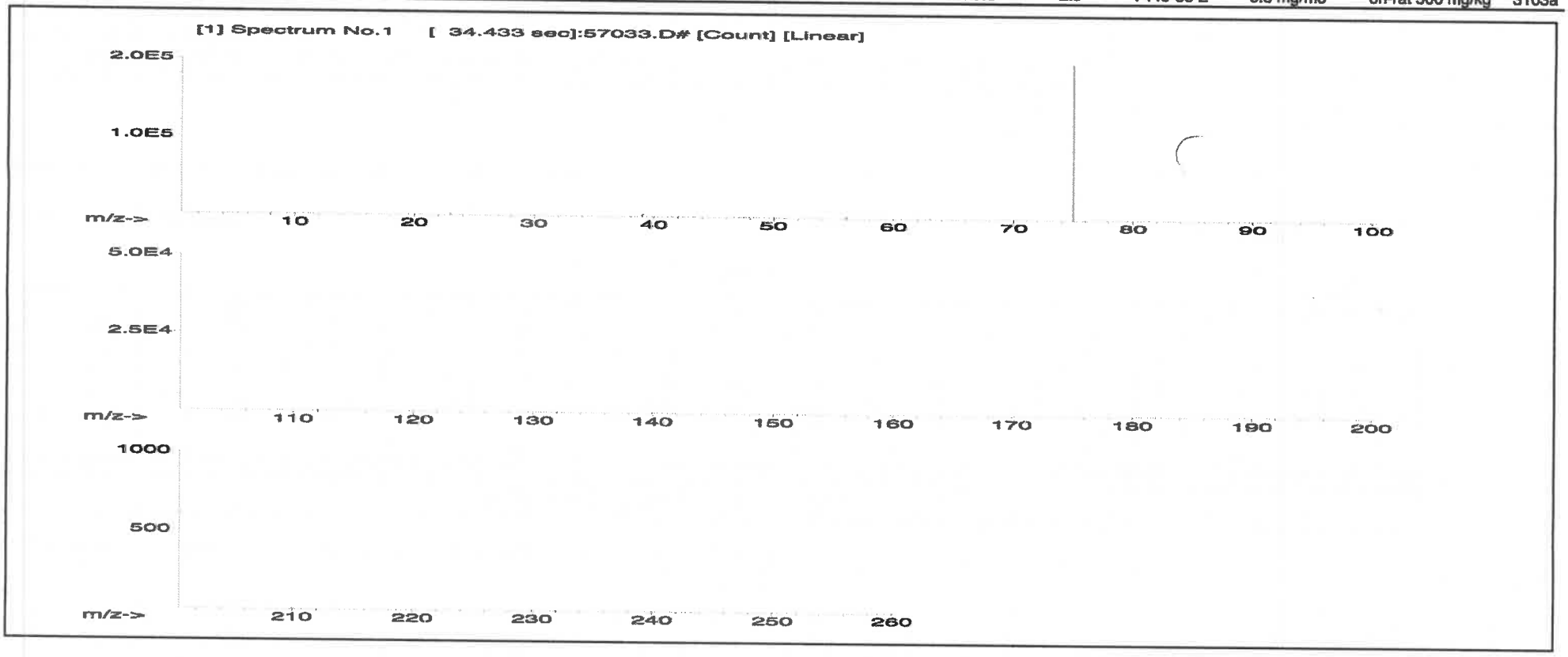
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED **WEIGHT** REPORT:

		Lot #	Solvent:		
Part Number:	**57033**	24002546	Nitric Acid		
Lot Number:	**111323**				
Description:	**Arsenic (As)**	2.0%	80.0 (mL)	Nitric Acid	
Expiration Date:	111326				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	4000.0	0.06	Flask Uncertainty		

Formulated By:	Lawrence Barry	111323
Reviewed By:	Pedro L. Rentas	111323

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Arsenic (As)	58133	020522	0.1000	400.0	0.084	1000	10001.0	**1000.0**	**2.0**	7440-38-2	0.5 mg/m3	orl-rat 500 mg/kg	3103a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	T	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge*	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R1 02/09/24. M58165

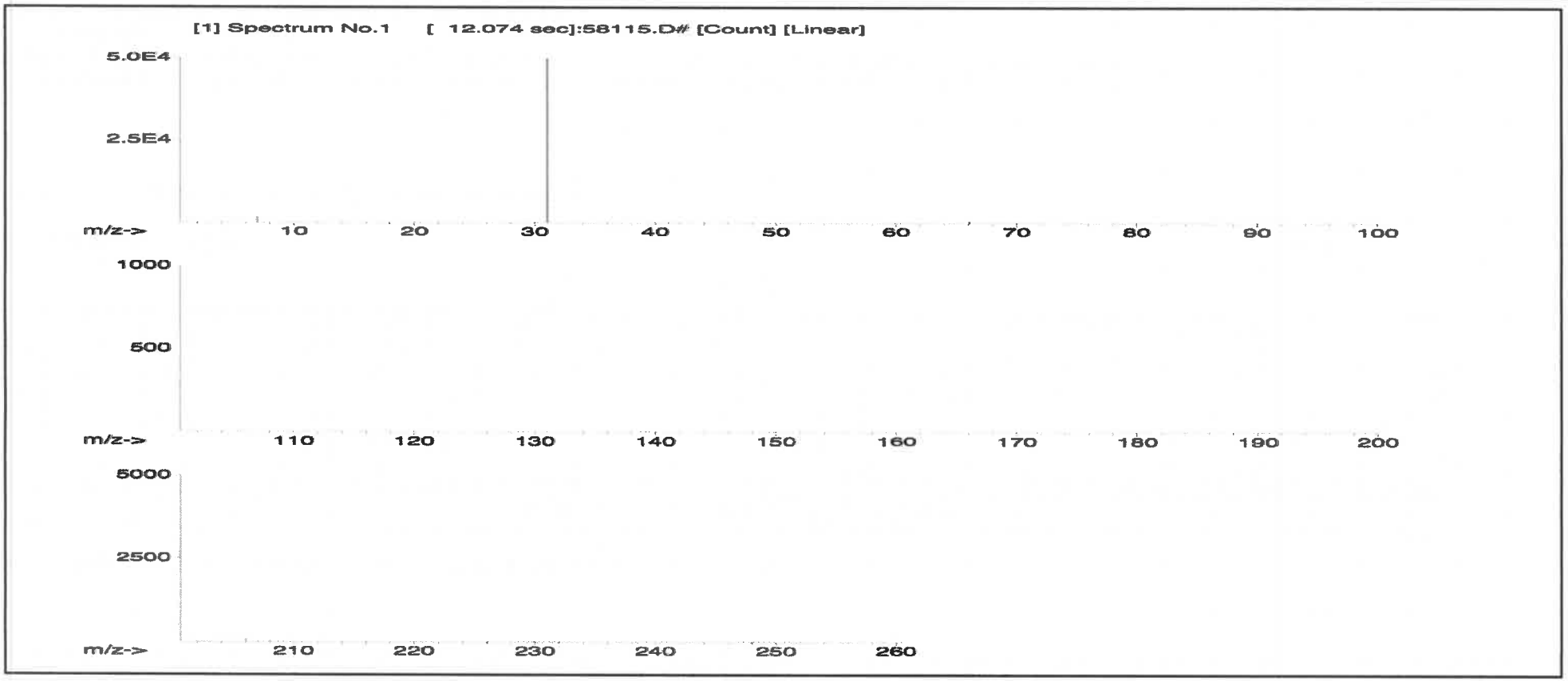
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

			Lot #	
Part Number:	**57115**	**Solvent:**	21110221	Nitric Acid
Lot Number:	**041723**			
Description:	**Phosphorous (P)**	2%	40.0 (mL)	Nitric Acid
Expiration Date:	041726			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**10000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	041723
Reviewed By:	Pedro L. Rentas	041723

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium dihydrogen phosphate (P)	IN008	PV082019A1	10000	99.999	0.10	27.5	72.7287	72.7289	**10000.0**	**20.0**	7722-76-1	5 mg/m3	orl-rat >2000mg/kg	3186



Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	T	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 02/09/24 M5816

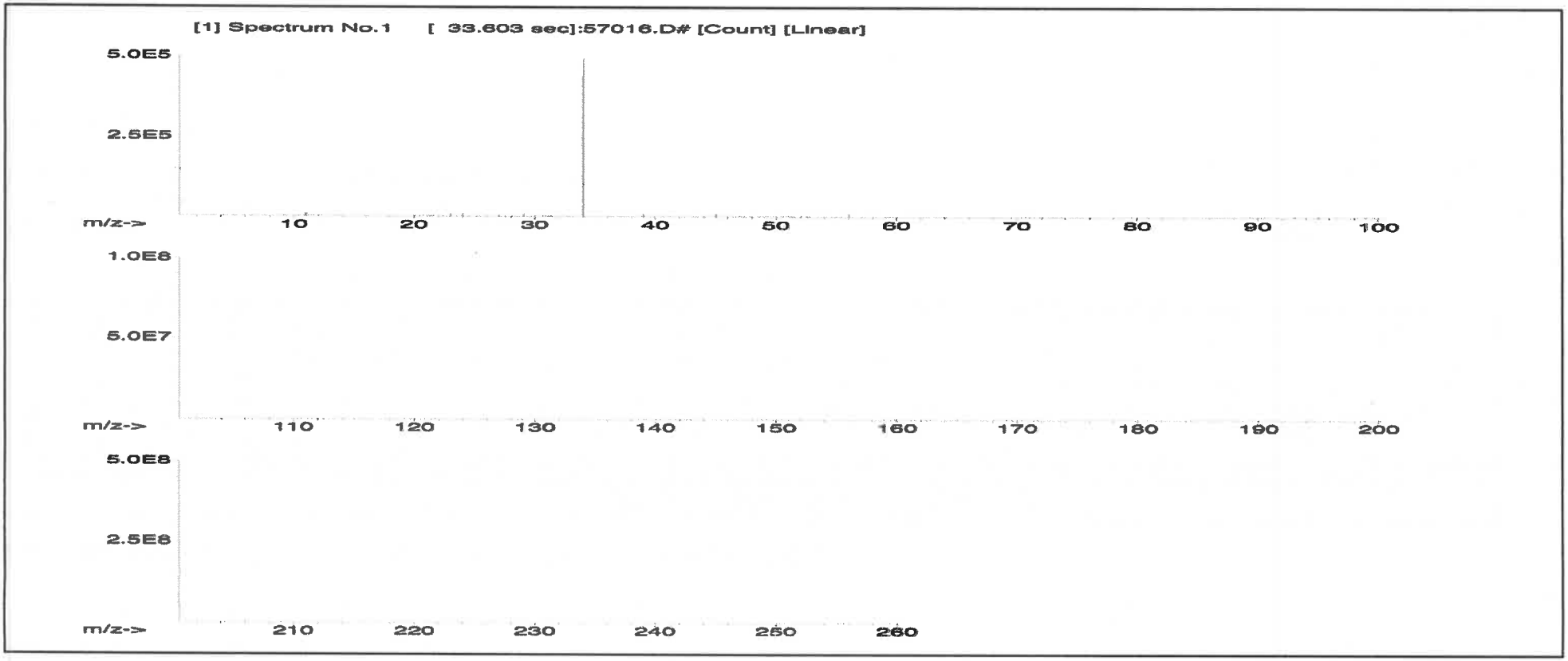
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number:	**57016**	**Solvent:**	**Lot #** 122923	ASTM Type 1 Water
Lot Number:	**122923**			
Description:	**Sulfur (S)**			
Expiration Date:	122926			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	4000.0	0.06	Flask Uncertainty	

Formulated By:	Benson Chan	122923
Reviewed By:	Pedro L. Rentas	122923

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium sulfate (S)	IN117	SLBR7225V	1000	99.9	0.10	24.3	16.4979	16.4980	**1000.0**	**2.0**	7783-20-2	NA	orl-rat 4250mg/kg	3181



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	T	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 02/09/24 M5817

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

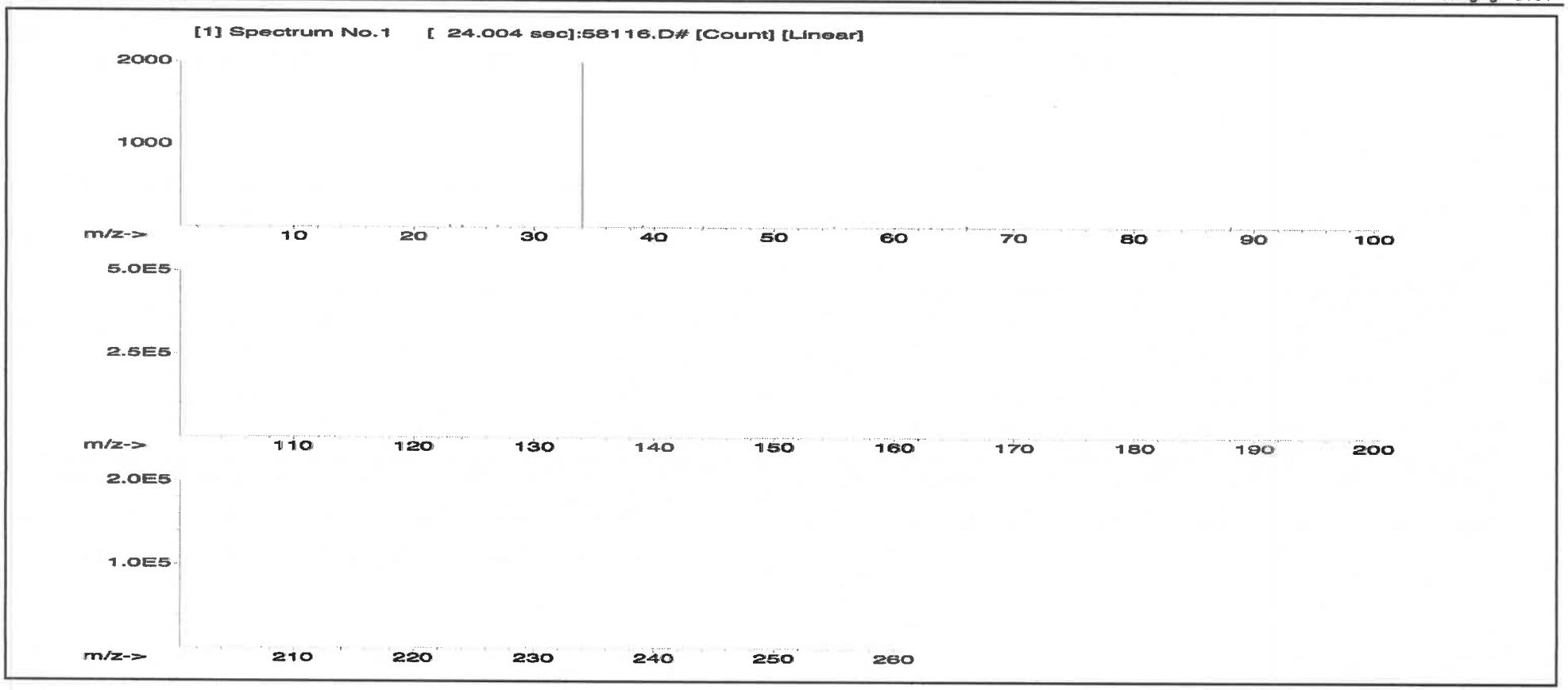
Part Number: 57116
Lot Number: 071123
Description: Sulfur (S)

Lot #
Solvent: 071123 ASTM Type 1 Water

Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB 5E-05 Balance Uncertainty
Weight shown below was diluted to (mL): 1999.48 0.058 Flask Uncertainty

Formulated By:	Lawrence Barry	071123
Reviewed By:	Pedro L. Rentas	071123

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium sulfate (S)	IN117	SLBR7225V	10000	99.9	0.10	24.3	82.4675	82.4682	**10000.1**	**20.0**	7783-20-2	NA	orl-rat 4250mg/kg	3181



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	T	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 02/09/24 M.5818

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 57014
Lot Number: 122023
Description: Silicon (Si)

Expiration Date: 122026
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 1999.48 ± 0.058 Flask Uncertainty

Solvent: 24002546 Nitric Acid

2% 40.0 (mL) Nitric Acid

5E-05 Balance Uncertainty

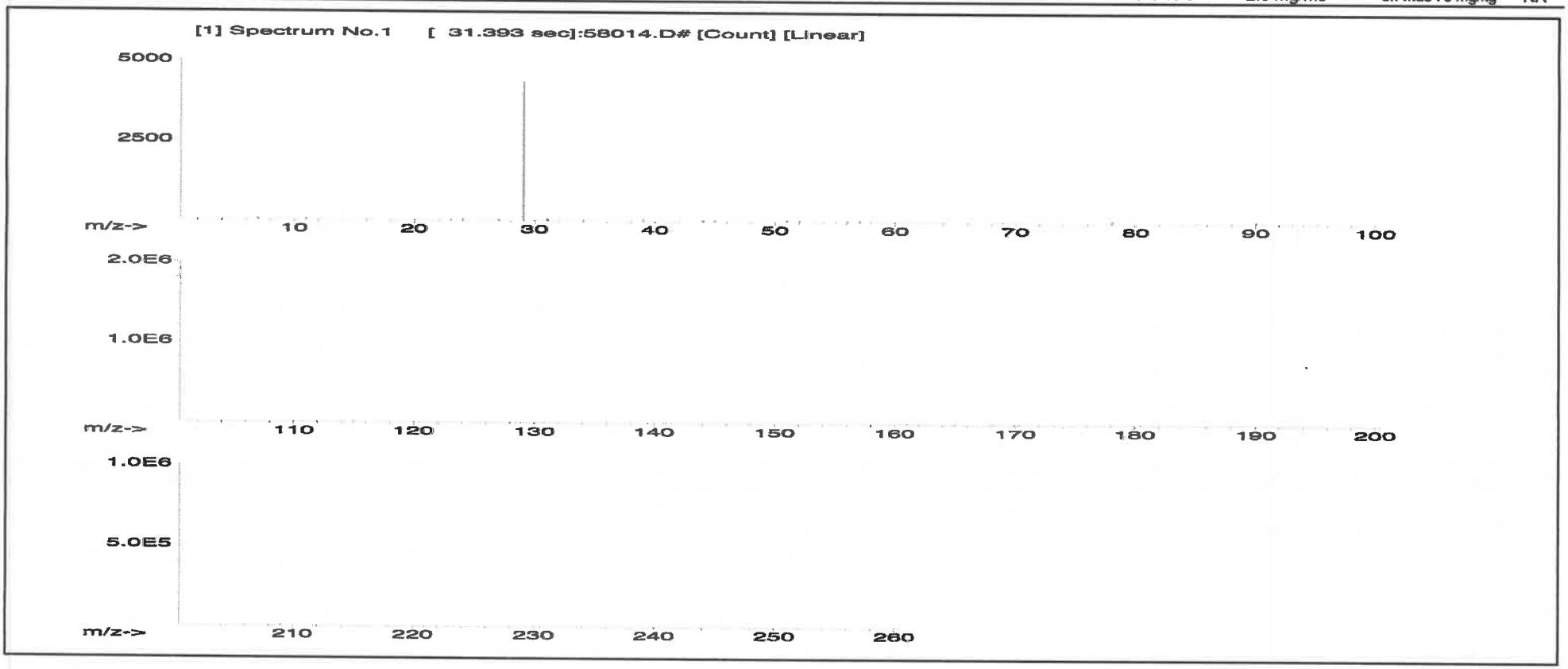
Aleah O'Brady

Formulated By: Aleah O'Brady 122023

Pedro Rentas

Reviewed By: Pedro L. Rentas 122023

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium hexafluorosilicate (Si)	IN009	SID082022A1	1000	99.999	0.10	14.4	13.8854	13.8855	**1000.0**	**2.0**	16919-19-0	2.5 mg/m3	orl-mus 70 mg/kg	NA



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	T	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 02/09/24 M5819

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58030
Lot Number: 111623
Description: Zinc (Zn)

Expiration Date: 111626
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

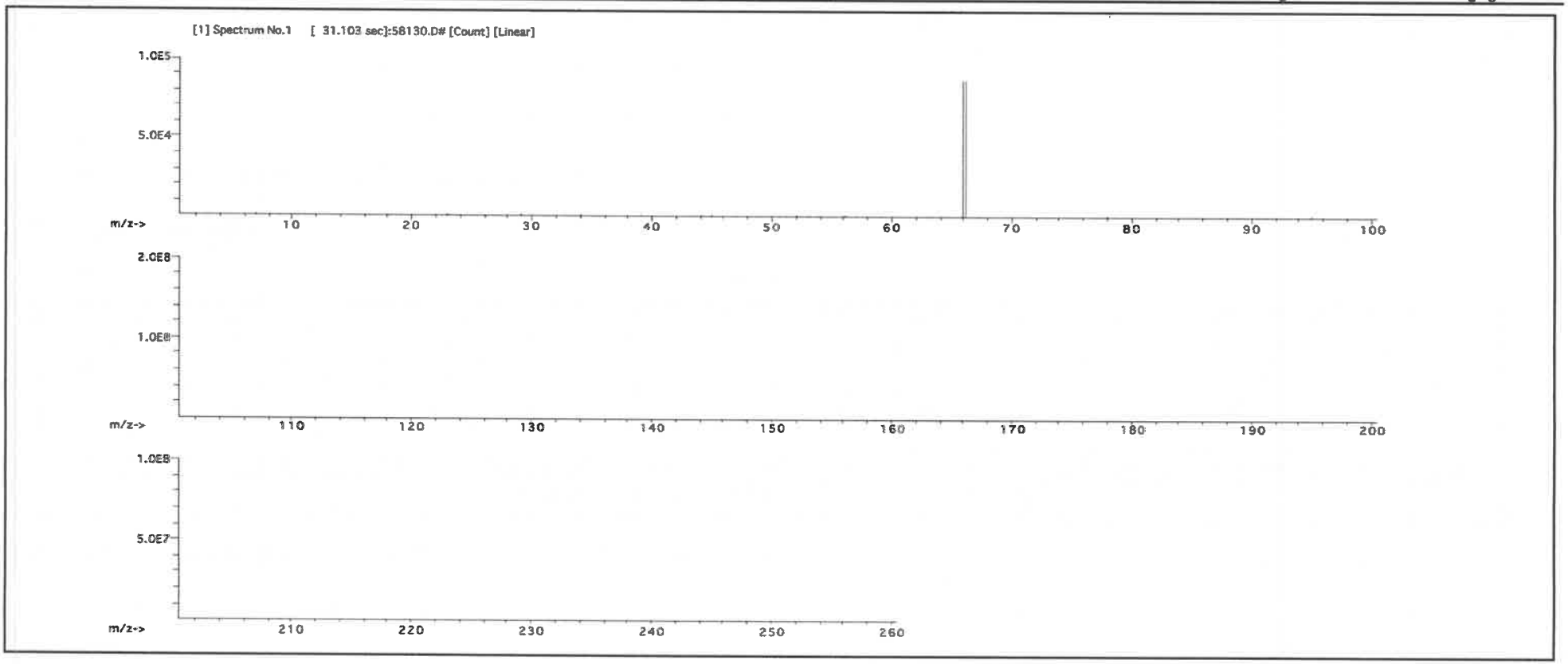
Weight shown below was diluted to (mL): 3000.4 0.06 Flask Uncertainty

		Lot #		
Solvent:	24002546	Nitric Acid		
	2%	60.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Formulated By:	Benson Chan	111623
Reviewed By:	Pedro L. Rentas	111623

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Zinc nitrate hexahydrate (Zn)	IN016	ZNE032021A1	1000	99.999	0.10	24.3	12.3475	12.3502	**1000.2**	**2.0**	10196-18-6	1 mg/m3	orl-rat 1190mg/kg	3168



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	T
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 02/09/24 M5820

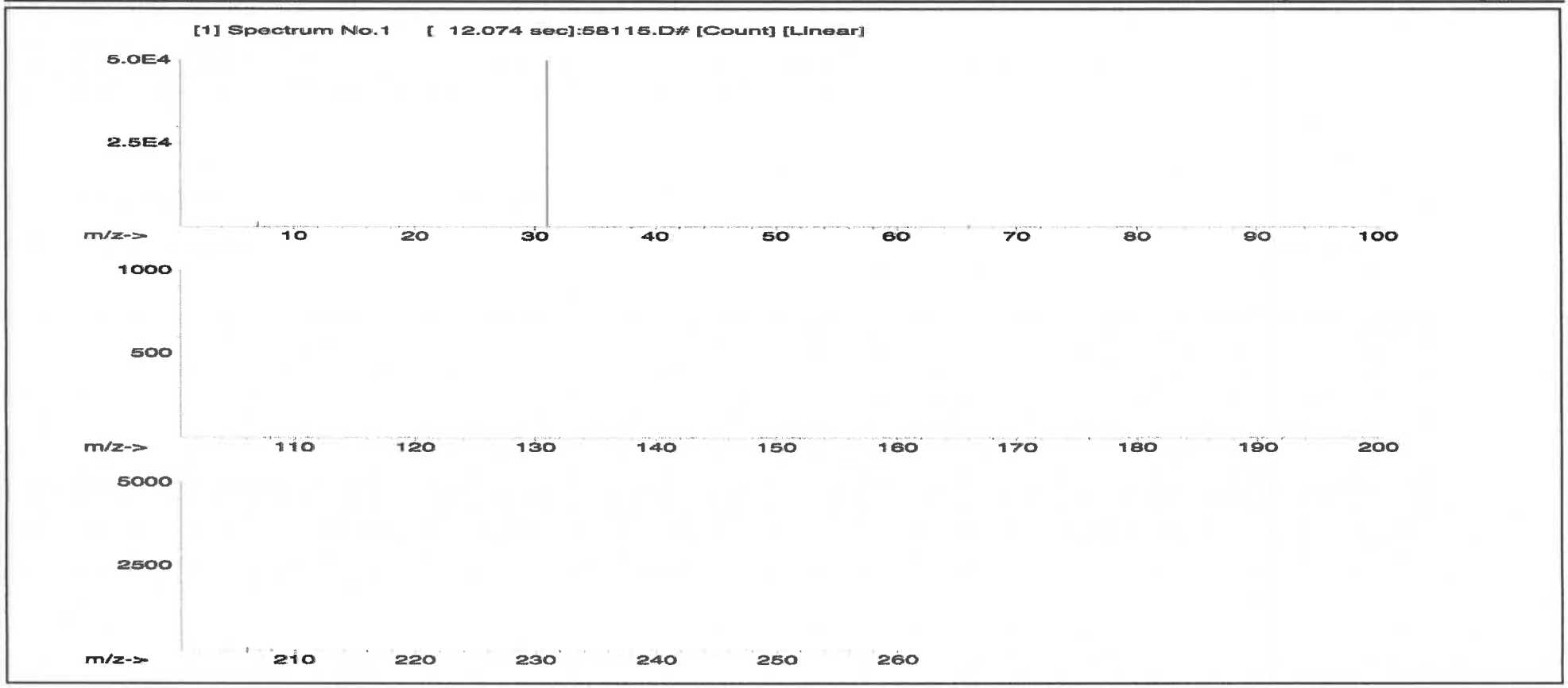
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number:	**57015**		**Lot #**		
Lot Number:	**091123**	**Solvent:**	24002546	Nitric Acid	
Description:	**Phosphorous (P)**				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	091126				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By:	Lawrence Barry	091123
Reviewed By:	Pedro L. Rentas	091123

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium dihydrogen phosphate (P)	IN008	PV082019A1	1000	99.999	0.10	27.5	7.2729	7.2730	**1000.0**	**2.0**	7722-76-1	5 mg/m3	orl-rat >2000mg/k	3186



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	T	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

M5959 R: 6/14/24.

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 863.01
ACCREDITED Reference Material Producer Certificate 863.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGY10
Lot Number:	V2-Y740548
Matrix:	2% (v/v) HNO3
Value / Analyte(s):	10 000 µg/mL ea: Yttrium
Starting Material:	Yttrium Oxide
Starting Material Lot#:	2661 and 06230520YL
Starting Material Purity:	99.9984%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 10000 ± 30 µg/mL

Density: 1.032 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1	**10011 ± 25 µg/mL** EDTA NIST SRM 928 Lot Number: 928
Assay Method #2	**9997 ± 50 µg/mL** ICP Assay NIST SRM 3167a Lot Number: 190730
Assay Method #3	**9984 ± 31 µg/mL** Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.004600	M	Eu		0.009037	M	Na		0.086360	M	Se	<	0.005200	M	Zn		0.030125
M	Al		0.014862	O	Fe		0.002410	M	Nb	<	0.000570	O	Si		0.024100	O	Zr	<	0.002600
M	As	<	0.003500	M	Ga	<	0.000570	M	Nd		0.000923	M	Sm		0.000461				
M	Au	<	0.001700	M	Gd	<	0.003500	M	Ni	<	0.005700	M	Sn	<	0.002300				
O	B		0.002209	M	Ge	<	0.005200	M	Os	<	0.001200	M	Sr	<	0.004600				
O	Ba	<	0.002500	M	Hf	<	0.000570	n	P	<		M	Ta	<	0.000570				
O	Be	<	0.001400	M	Hg	<	0.000570	M	Pb		0.005020	M	Tb		0.001044				
M	Bi	<	0.003500	M	Ho		0.009037	M	Pd	<	0.005100	M	Te	<	0.002300				
O	Ca		0.009841	M	In	<	0.002300	M	Pr	<	0.002300	M	Th	<	0.000570				
M	Cd	<	0.000570	M	Ir	<	0.000570	M	Pt	<	0.000570	M	Ti	<	0.003500				
M	Ce	<	0.002300	O	K		0.018677	M	Rb	<	0.000570	M	Tl	<	0.000570				
M	Co	<	0.000570	M	La		0.000461	M	Re	<	0.000570	M	Tm	<	0.003500				
M	Cr	<	0.004000	O	Li	<	0.009300	M	Rh	<	0.008000	M	U	<	0.000570				
M	Cs	<	0.000570	M	Lu		0.000582	M	Ru	<	0.000570	M	V		0.001265				
M	Cu		0.002610	O	Mg		0.001486	n	S	<		M	W	<	0.002300				
M	Dy		0.003815	M	Mn		0.000582	M	Sb		0.005422	s	Y	<					
M	Er		0.003615	M	Mo	<	0.005700	M	Sc	<	0.001200	M	Yb		0.001827				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 88.91 +3 6 Y(OH)(H2O)x+2

Chemical Compatibility -Soluble in HCl, H2SO4 and HNO3. Avoid HF, H3PO4 and neutral to basic media. Stable with most metals and inorganic anions forming an insoluble carbonate, oxide, oxalate, and fluoride. Avoid mixing with elements / solutions containing moderate amounts of fluoride.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 2-5% HNO3 / LDPE container.

Y Containing Samples (Preparation and Solution) - Metal (Soluble in acids); Oxide (Dissolve by heating in H2O/ HNO3); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Dry ash and dissolve in 1:1 H2O / HCl or HNO3).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 89 amu	0.8 ppt	N/A	73Ge16O, 178Hf+2
ICP-OES 360.073 nm	0.005 / 0.000036 µg/mL	1	Ce, Th
ICP-OES 371.030 nm	0.004 / 0.00007 µg/mL	1	Ce
ICP-OES 377.433 nm	0.005 / 0.0009 µg/mL	1	Ta, Th

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

February 20, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- February 20, 2029

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Custom Processing Supervisor

Certificate Approved By:

Muzzammil Khan
Stock Laboratory Supervisor

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5960 KK R. 6/11/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 57028
Lot Number: 041124
Description: Nickel (Ni)

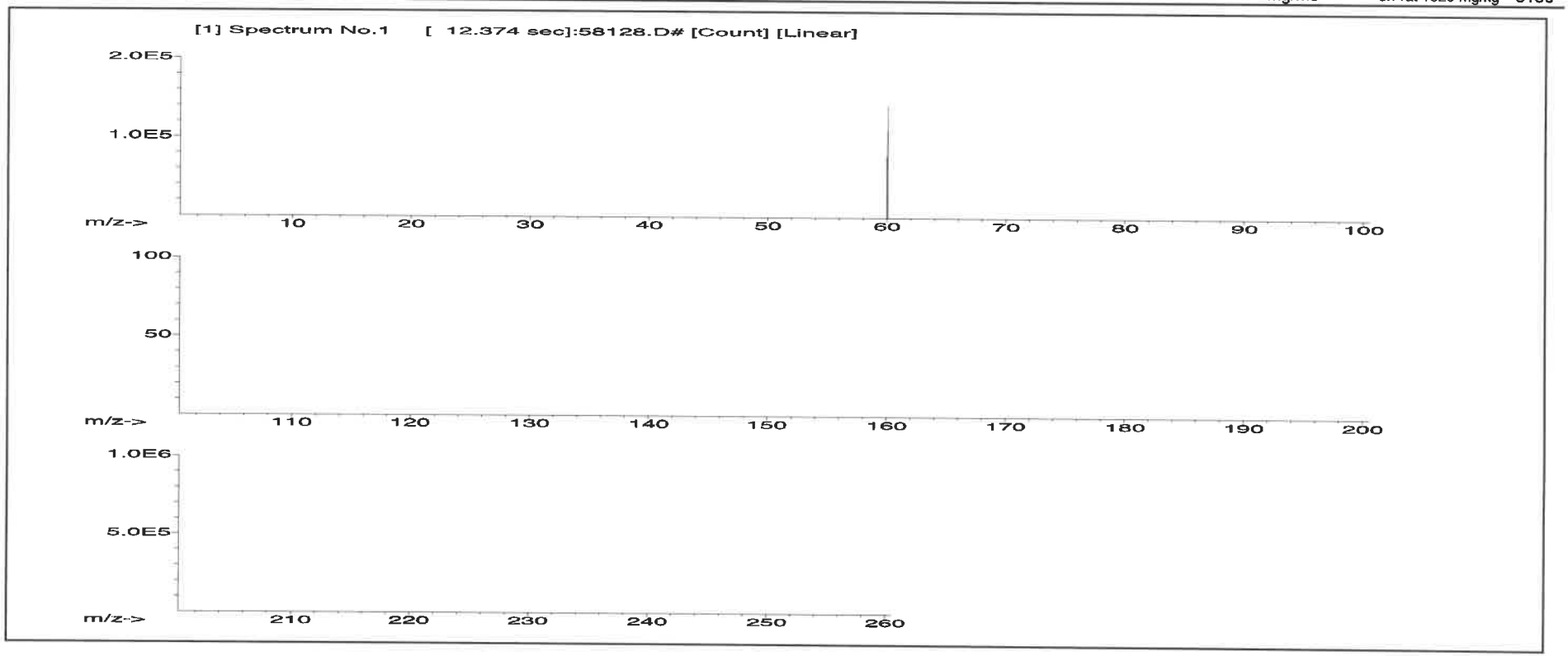
Expiration Date: 041127
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 249.85

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	5.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.002 Flask Uncertainty

Formulated By:	Brian Geddes	041124
Reviewed By:	Pedro L. Rentas	041124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Nickel(II) nitrate hexahydrate (Ni)	IN033	NIM052023A1	1000	99.999	0.10	20.2	1.2369	1.2369	**1000.0**	**2.0**	13478-00-7	1 mg/m3	orl-rat 1620 mg/kg	3136



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	T	Pr	<0.02	Sc	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5962 R! 06/14/24.

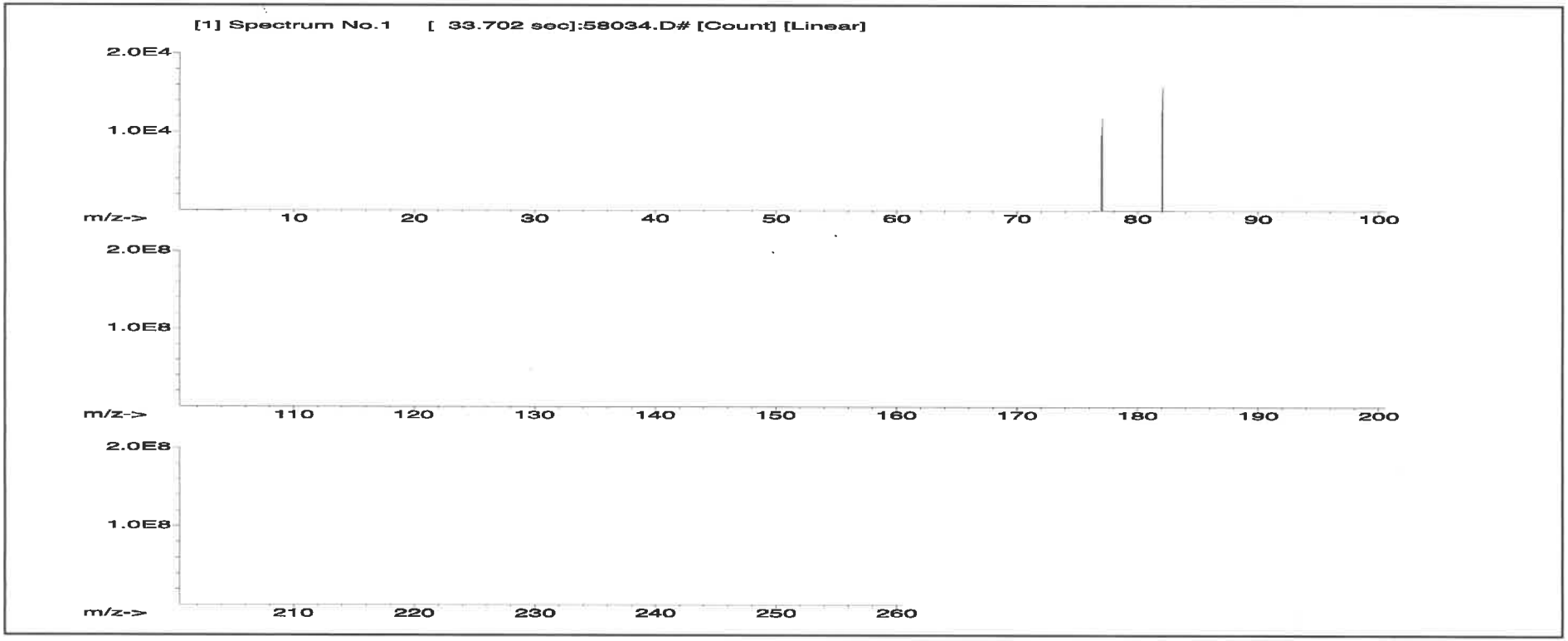
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57034**	24002546	Nitric Acid	
Lot Number:	**060624**			
Description:	**Selenium (Se)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	060627			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty	

Formulated By:	Benson Chan	060624
Reviewed By:	Pedro L. Rentas	060624

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Selenium (Se)	58134	071223	0.1000	200.0	0.084	1000	10002.5	**1000.0**	**2.2**	7782-49-2	0.2 mg/m3	orl-rat 6700 mg/kg	3149



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																		
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	T	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5970, M5971 R: 7/01/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

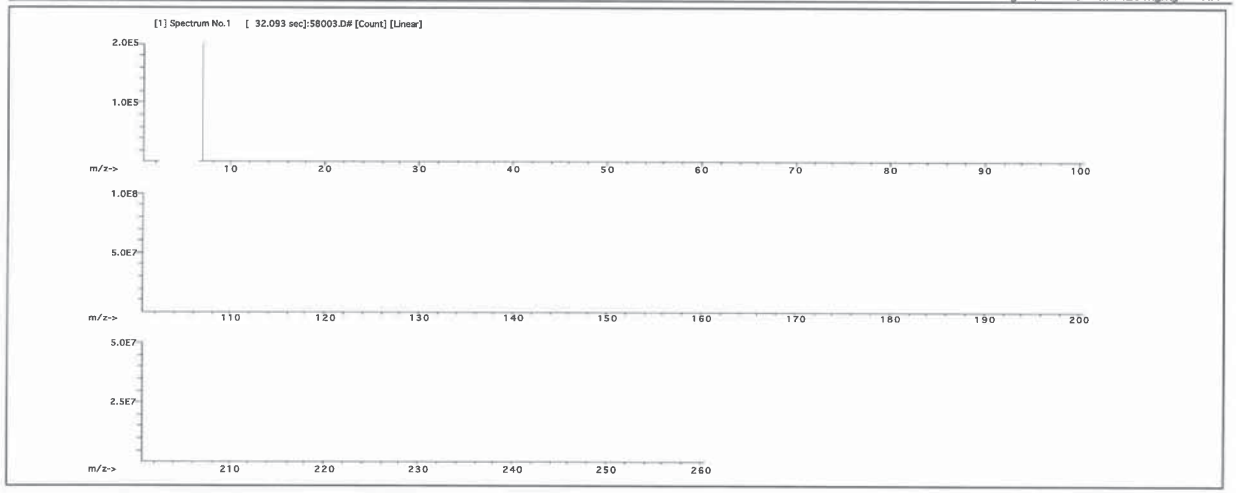
CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:
Part Number:	**57003**	24002546	Nitric Acid
Lot Number:	**062124**		
Description:	**Lithium (Li)**		
		2.0%	5.0 (mL) Nitric Acid
Expiration Date:	062127		
Recommended Storage:	Ambient (20 °C)		
Nominal Concentration (µg/mL):	**1000**		
NIST Test Number:	6UTB	5E-05 Balance Uncertainty	
Volume shown below was diluted to (mL):	250.11	0.016 Flask Uncertainty	

Giovanni Esposito
Formulated By: Giovanni Esposito 062124

Pedro Rentas
Reviewed By: Pedro L. Rentas 062124

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lithium nitrate (Li)	58103	070622	0.1000	25.0	0.004	1000	10000.4	**1000.0**	**2.0**	7790-69-4	5 mg/m3	orl-rat 1426 mg/kg	NA



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	T	Ni	<0.02	Pr	<0.02	Sc	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

M5976, M5977
R: 02/22/24

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGMO1
Lot Number:	T2-MO720876
Matrix:	H2O tr. NH4OH
Value / Analyte(s):	1 000 µg/mL ea: Molybdenum
Starting Material:	Ammonium Molybdate
Starting Material Lot#:	2361
Starting Material Purity:	99.9893%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 998 ± 7 µg/mL

Density: 1.000 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **998 ± 4 µg/mL**
ICP Assay NIST SRM 3134 Lot Number: 130418

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance.

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000590	M	Eu	<	0.000300	M	Na		0.000879	M	Se	<	0.008000	M	Zn		0.000598
M	Al		0.000563	M	Fe	<	0.006500	M	Nb	<	0.029000	i	Si	<		M	Zr	<	0.001800
M	As	<	0.002100	M	Ga	<	0.000300	i	Nd	<		M	Sm	<	0.000300				
M	Au	<	0.000300	M	Gd	<	0.000300	M	Ni	<	0.008000	M	Sn	<	0.008900				
M	B	<	0.003300	M	Ge	<	0.000300	M	Os	<	0.000590	M	Sr		0.000175				
M	Ba		0.001689	M	Hf	<	0.001800	i	P	<		M	Ta	<	0.004200				
M	Be	<	0.000890	M	Hg	<	0.003300	M	Pb	<	0.000300	M	Tb	<	0.000300				
M	Bi	<	0.000890	M	Ho	<	0.000300	M	Pd	<	0.001800	M	Te	<	0.021000				
O	Ca		0.006334	M	In	<	0.032000	M	Pr	<	0.013000	M	Th	<	0.000300				
O	Cd	<	0.026000	M	Ir	<	0.000300	M	Pt	<	0.000300	O	Tl	<	0.032000				
M	Ce	<	0.008300	M	K		0.130213	M	Rb		0.004575	M	Tl		0.001266				
M	Co		0.000598	M	La	<	0.000300	M	Re	<	0.000300	M	Tm	<	0.000300				
M	Cr		0.000527	O	Li		0.000059	M	Rh	<	0.000300	M	U	<	0.005300				
M	Cs		0.000527	M	Lu	<	0.000300	M	Ru	<	0.079000	M	V	<	0.000890				
M	Cu		0.002252	M	Mg		0.000563	i	S	<		M	W		0.087982				
M	Dy	<	0.000300	M	Mn	<	0.005900	M	Sb		0.001513	M	Y	<	0.000300				
M	Er	<	0.000300	s	Mo	<		M	Sc	<	0.001200	M	Yb	<	0.000300				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 95.94 +6 6,7,8,9 [MoO4]-2(chemical form as received)

Chemical Compatibility -Mo is received in a NH4OH matrix giving the operator the option of using HCl or HF to stabilize acidic solutions. The [MoO4]-2 is soluble in concentrated HCl [MoOCl5]-2, dilute HF / HNO3 [MoOF5]-2 and basic media [MoO4]-2. Stable at ppm levels with some metals provided it is fluorinated. Do not mix with Alkaline or Rare Earths when HF is present. Stable with most inorganic anions provided it is in the [MoO4]-2 chemical form.

Stability - 2-100 ppb levels stable (alone or mixed with all other metals that are at comparable levels) as the [MoOF5]-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the [MoO4]-2 chemically stable for years in 1% NH4OH in a LDPE container.

Mo Containing Samples (Preparation and Solution) -Metal (Soluble in HF / HNO3 or hot dilute HCl); Oxide (soluble in HF or NH4OH) ; Organic Matrices (Dry ash at 450EC in Pt0 and dissolve oxide with HF or HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 95 amu	3 ppt	n/a	40Ar39K16O,79Br1 6O,190Os2+,190Pt 2+
ICP-OES 202.030 nm	0.008 / 0.0002 µg/mL	1	Os, Hf
ICP-OES 203.844 nm	0.012 / 0.002 µg/mL	1	
ICP-OES 204.598 nm	0.012 / 0.001 µg/mL	1	Ir, Ta

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- July 17, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Supervisor, Product Documentation

Certificate Approved By:

Michael Booth
Director, Technical

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

M5978, M5979

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

R: 2/22/24

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGTI1
Lot Number:	T2-TI719972
Matrix:	2% (v/v) HNO_3 tr. HF
Value / Analyte(s):	1 000 µg/mL ea: Titanium
Starting Material:	Ti Metal
Starting Material Lot#:	2094
Starting Material Purity:	99.9975%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1002 ± 5 µg/mL

Density: 1.012 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **1002 ± 4 µg/mL**
ICP Assay NIST SRM 3162a Lot Number: 130925

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance

$w_i = (1/u_{char\ i}^2) / (\Sigma(1/u_{char\ i}^2))$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma(w_i)^2\ (u_{char\ i})^2]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000536	M	Eu	<	0.000268	O	Na	<	0.032670	M	Se		0.001204	O	Zn	<	0.003267
O	Al		0.000872	O	Fe		0.003225	O	Nb	<	0.043560	O	Si		0.004735	O	Zr	<	0.043560
M	As	<	0.008586	M	Ga	<	0.000268	M	Nd	<	0.000268	M	Sm	<	0.000268				
M	Au	<	0.004577	M	Gd	<	0.000268	O	Ni	<	0.010890	M	Sn		0.000096				
O	B	<	0.008929	M	Ge	<	0.002146	M	Os	<	0.000269	O	Sr		0.000096				
M	Ba	<	0.002683	M	Hf		0.002161	O	P	<	0.054450	M	Ta		0.010560				
M	Be	<	0.005366	M	Hg	<	0.003231	M	Pb	<	0.001073	M	Tb	<	0.000268				
M	Bi	<	0.001609	M	Ho	<	0.000268	M	Pd	<	0.000268	M	Te	<	0.001341				
O	Ca		0.000676	M	In	<	0.002683	M	Pr	<	0.000268	M	Th	<	0.053663				
M	Cd	<	0.000268	M	Ir	<	0.000269	M	Pt	<	0.000536	s	Ti	<					
M	Ce	<	0.000268	M	K		0.001172	M	Rb	<	0.000268	M	Tl	<	0.000268				
M	Co	<	0.004293	M	La	<	0.000268	M	Re	<	0.000268	M	Tm	<	0.000268				
M	Cr		0.000752	O	Li	<	0.027225	M	Rh	<	0.000268	M	U	<	0.000268				
M	Cs	<	0.000268	M	Lu	<	0.000268	M	Ru	<	0.000269	M	V	<	0.019855				
O	Cu	<	0.010890	O	Mg	<	0.005445	i	S	<		M	W		0.000473				
M	Dy	<	0.000268	O	Mn	<	0.003267	M	Sb	<	0.006976	M	Y	<	0.002146				
M	Er	<	0.000268	M	Mo		0.000774	O	Sc	<	0.004900	M	Yb	<	0.000536				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 47.87 +4 6 Ti(F)6-2

Chemical Compatibility - Soluble in concentrated HCl, HF, H3PO4 H2SO4 and HNO3. Avoid neutral to basic media. Unstable at ppm levels with metals that would pull F- away (i.e. Do not mix with Alkaline or Rare Earths or high levels of transition elements unless they are fluorinated). Stable with most inorganic anions with a tendency to hydrolyze forming the hydrated oxide in all dilute acids except HF.

Stability - 2-100 ppb levels stable (Alone or mixed with all other metals) as the Ti(F)6-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the Ti(F)6-2 chemically stable for years in 2-5% HNO3 / trace HF in an LDPE container.

Ti Containing Samples (Preparation and Solution) - Metal (Soluble in H2O / HF caution -powder reacts violently); Oxide - low temperature history anatase or rutile (Dissolved by heating in 1:1:1 H2O / HF / H2SO4); Oxide - high temperature history (~800EC) brookite (fuse in Pt0 with K2S2O7); Ores (fuse in Pt0 with KF + K2S2O7 - no KF if silica not present); Organic Matrices (Dry ash at 450EC in Pt0 and dissolve by heating with 1:1:1 H2O / HF / H2SO4 or fuse ash with pyrosulfate if oxide is as plastic pigment and likely in brookite crystalline form).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Interferences (underlined indicates severe)
ICP-MS 48 amu	14 ppt	N/A	32S16O, 32S14N, 14N16O18O, 14N17N2, 36Ar12C, 48Ca, [96X=2 (where X = Zr, Mo, Ru)]
ICP-OES 323.452 nm	0.0054 / 0.00092 µg/mL	1	Ce, Ar, Ni
ICP-OES 334.941 nm	0.0038 / 0.000028 µg/mL	1	Nb, Ta, Cr, U
ICP-OES 336.121 nm	0.0053 / 0.000034 µg/mL	1	W, Mo, Co

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

June 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- June 17, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

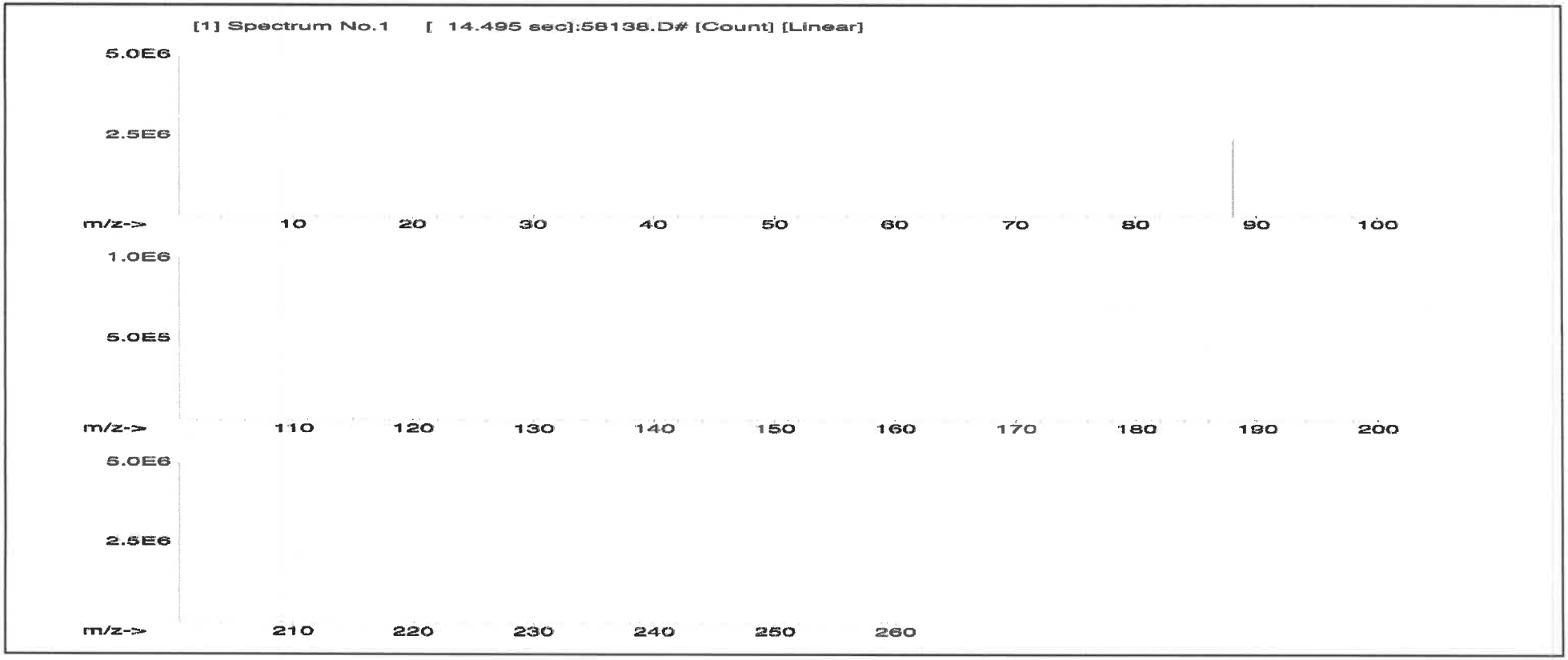
45982 R: 6/11/24

CERTIFIED WEIGHT REPORT:

Part Number:	**57038**		**Lot #**		
Lot Number:	**031524**	**Solvent:**	24002546	Nitric Acid	
Description:	**Strontium (Sr)**				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	031527				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty		

Formulated By:	Benson Chan	031524
Reviewed By:	Pedro L. Rentas	031524

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Strontium nitrate (Sr)	IN017	SRZ022018A1	1000	99.997	0.10	41.2	4.85470	4.85502	**1000.1**	**2.0**	10042-76-9	NA	orl-rat >2000mg/kg	3153a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	T	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

MS985
R: 6/14/24

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 863.01
ACCREDITED Reference Material Producer Certificate 863.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGIN10
Lot Number:	U2-IN729349
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	10 000 µg/mL ea: Indium
Starting Material:	Indium Metal
Starting Material Lot#:	2511
Starting Material Purity:	99.9995%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 10022 ± 30 µg/mL

Density: 1.044 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1	**10021 ± 56 µg/mL** ICP Assay NIST SRM 3124a Lot Number: 110516
Assay Method #2	**10035 ± 25 µg/mL** EDTA NIST SRM 928 Lot Number: 928
Assay Method #3	**10001 ± 33 µg/mL** Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000760	M	Eu	<	0.000760	O	Na		0.012771	M	Se	<	0.023000	M	Zn	<	0.006100
M	Al		0.003385	O	Fe		0.004462	M	Nb	<	0.000760	O	Si		0.024619	M	Zr	<	0.000760
M	As	<	0.004600	M	Ga	<	0.000760	M	Nd	<	0.000760	M	Sm	<	0.000760				
M	Au	<	0.002300	M	Gd	<	0.000760	O	Ni	<	0.005100	M	Sn	<	0.000760				
O	B		0.003692	M	Ge	<	0.001600	M	Os	<	0.000760	O	Sr	<	0.000610				
M	Ba	<	0.001600	M	Hf	<	0.000760	n	P	<		M	Ta	<	0.000760				
O	Be	<	0.000130	M	Hg	<	0.003100	M	Pb		0.001400	M	Tb	<	0.000760				
M	Bi	<	0.000760	M	Ho	<	0.000760	M	Pd	<	0.001600	M	Te	<	0.000760				
O	Ca		0.004616	s	In	<		M	Pr	<	0.000760	M	Th	<	0.000760				
M	Cd	<	0.000760	M	Ir	<	0.000760	M	Pt	<	0.000760	O	Ti	<	0.001100				
M	Ce	<	0.000760	O	K		0.007078	M	Rb	<	0.000760	M	Tl	<	0.000760				
M	Co	<	0.000760	M	La	<	0.000760	M	Re	<	0.000760	M	Tm	<	0.000760				
O	Cr	<	0.001300	O	Li	<	0.000130	M	Rh	<	0.000760	M	U	<	0.000760				
M	Cs	<	0.000760	M	Lu	<	0.000760	M	Ru	<	0.000760	M	V	<	0.001600				
M	Cu	<	0.003800	O	Mg		0.000707	n	S	<		M	W	<	0.001600				
M	Dy	<	0.000760	O	Mn		0.000149	M	Sb	<	0.000760	M	Y	<	0.000760				
M	Er	<	0.000760	M	Mo	<	0.002300	M	Sc	<	0.000760	M	Yb	<	0.000760				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 114.82 +3 6 In(H2O)6+3

Chemical Compatibility -Soluble in HCl, HNO3, and H2SO4. Avoid neutral and basic media. Stable with most metals and inorganic anions. The oxalate, sulfide, carbonate, hydroxide and phosphate are insoluble in water.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 2-5% HNO3 / LDPE container.

In Containing Samples (Preparation and Solution) -Metal (Best dissolved in HCl / HNO3); Oxide (Soluble in mineral acids); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Sulfuric/peroxide digestion or dry ash and dissolution in dilute HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 115 amu	1 ppt	n/a	115Sn, 99Ru16O
ICP-OES 158.583 nm	0.05 / 0.002 µg/mL	1	
ICP-OES 230.606 nm	0.1 / 0.03 µg/mL	1	Ni, Os
ICP-OES 325.609 nm	0.2 / 0.05 µg/mL	1	Mn, Mo, Th

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

February 21, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- February 21, 2028

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

R: 2/22/2024
M5999

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-SPK-1
Lot Number:	T2-MEB721963
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	2 000 µg/mL ea: Aluminum, Barium, 1 000 µg/mL ea: Iron, 500 µg/mL ea: Manganese, Nickel, Vanadium, Zinc, Cobalt, 250 µg/mL ea: Copper, 200 µg/mL ea: Chromium, 50 µg/mL ea: Beryllium, Silver

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	2 000 ± 7 µg/mL	Barium, Ba	2 000 ± 9 µg/mL
Beryllium, Be	50.00 ± 0.26 µg/mL	Chromium, Cr	200.0 ± 1.1 µg/mL
Cobalt, Co	500.0 ± 2.4 µg/mL	Copper, Cu	250.0 ± 1.0 µg/mL
Iron, Fe	1 000 ± 4 µg/mL	Manganese, Mn	500.0 ± 2.0 µg/mL
Nickel, Ni	500.0 ± 2.2 µg/mL	Silver, Ag	50.00 ± 0.22 µg/mL
Vanadium, V	500.0 ± 2.2 µg/mL	Zinc, Zn	500.0 ± 2.2 µg/mL

Density: 1.070 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Ag	Calculated		See Sec. 4.2
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
V	IC Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)\,(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information.

https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 27, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- July 27, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

R → 10/13/24
Met dig

M 6/21

Material No.: 9530-33
Batch No.: 0000275677
Manufactured Date: 2020/12/16
Retest Date: 2025/12/15
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.190
ACS - Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	1
ACS - Free Chlorine (as Cl_2)	<= 0.5 ppm	< 0.5
Phosphate (PO_4)	<= 0.05 ppm	< 0.03
Sulfate (SO_4)	<= 0.5 ppm	< 0.3
Sulfite (SO_3)	<= 0.8 ppm	0.3
Ammonium (NH_4)	<= 3 ppm	< 1
Trace Impurities - Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	< 0.2
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities - Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities - Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	29.7
Trace Impurities - Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 1.0 ppb	< 0.2

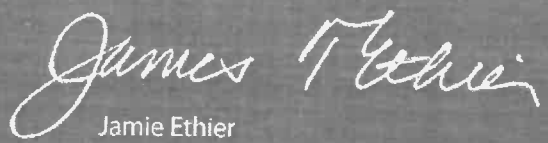
For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9530-33
Batch No.: 0000275677

Test	Specification	Result
Trace Impurities - Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities - Gold (Au)	<= 4.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities - Iron (Fe)	<= 15.0 ppb	<1
Trace Impurities - Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 1.0 ppb	0.2
Trace Impurities - Magnesium (Mg)	<= 10.0 ppb	0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	0.1
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities - Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities - Selenium (Se), For Information Only	ppb	1.0
Trace Impurities - Silicon (Si)	<= 100.0 ppb	< 10.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities - Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities - Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 1.0 ppb	0.2
Trace Impurities - Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.3
Trace Impurities - Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

M6125 Receive -> 11/22/24

CORCO CHEMICAL CORPORATION

Manufacturers of ACS Reagents and Semiconductor Grade Chemicals

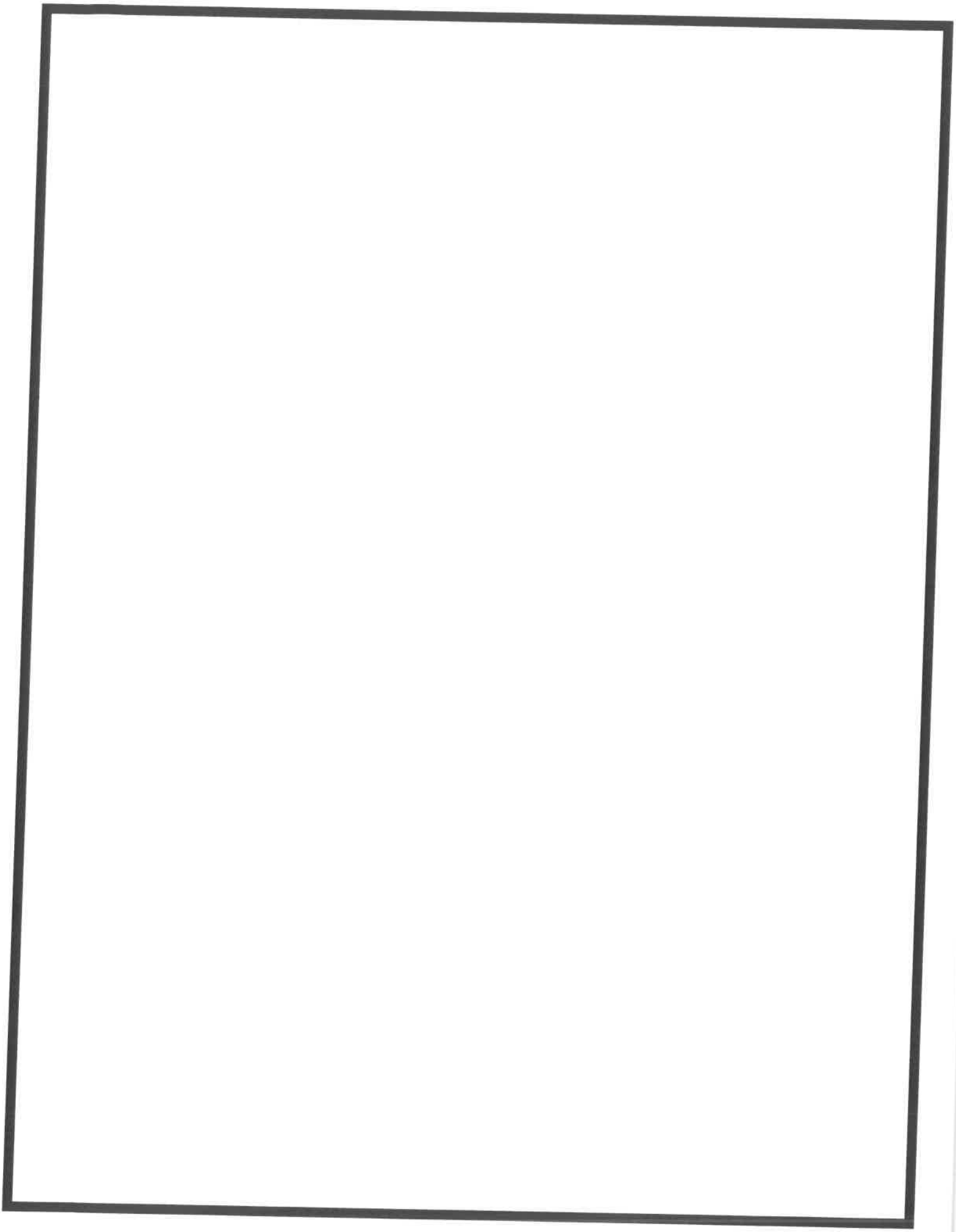
Office and Plant
299 Cedar Lane
Fairless Hills, PA 19030

Phone: 215-295-5006
Fax: 215-295-0781

Hydrogen Peroxide 30%, ACS

Reagent Grade

SPECIFICATION	MAXIMUM LIMITS
Appearance	Colorless and free from suspended matter or sediment
Assay	29-32%
Color (APHA)	10
Residue after Evaporation	0.002%
Titratable Acid	0.0006 meq/g
Chloride (Cl)	3 ppm
Nitrate (NO_3)	2 ppm
Phosphate	2 ppm
Sulfate (SO_4)	5 ppm
Ammonium (NH_4)	5 ppm
Heavy Metals (as Pb)	1 ppm
Iron (Fe)	0.5 ppm



Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

R -> 11/12/24

M6126

Material No.: 9606-03
Batch No.: 24D1062002
Manufactured Date: 2024-03-26
Retest Date: 2029-03-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 - 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	1 ppm
Chloride (Cl)	≤ 0.08 ppm	< 0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities - Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	2.3 ppb
Trace Impurities - Chromium (Cr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 20 ppb	< 10 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 100 ppb	100 ppb
Trace Impurities - Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Nickel (Ni)	≤ 20.0 ppb	< 5.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 01/03/24 M5806, M5807

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58111
Lot Number: 122223
Description: Sodium (Na)

Expiration Date: 122226
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB

Weight shown below was diluted to (mL): 3000.4 0.06 Flask Uncertainty

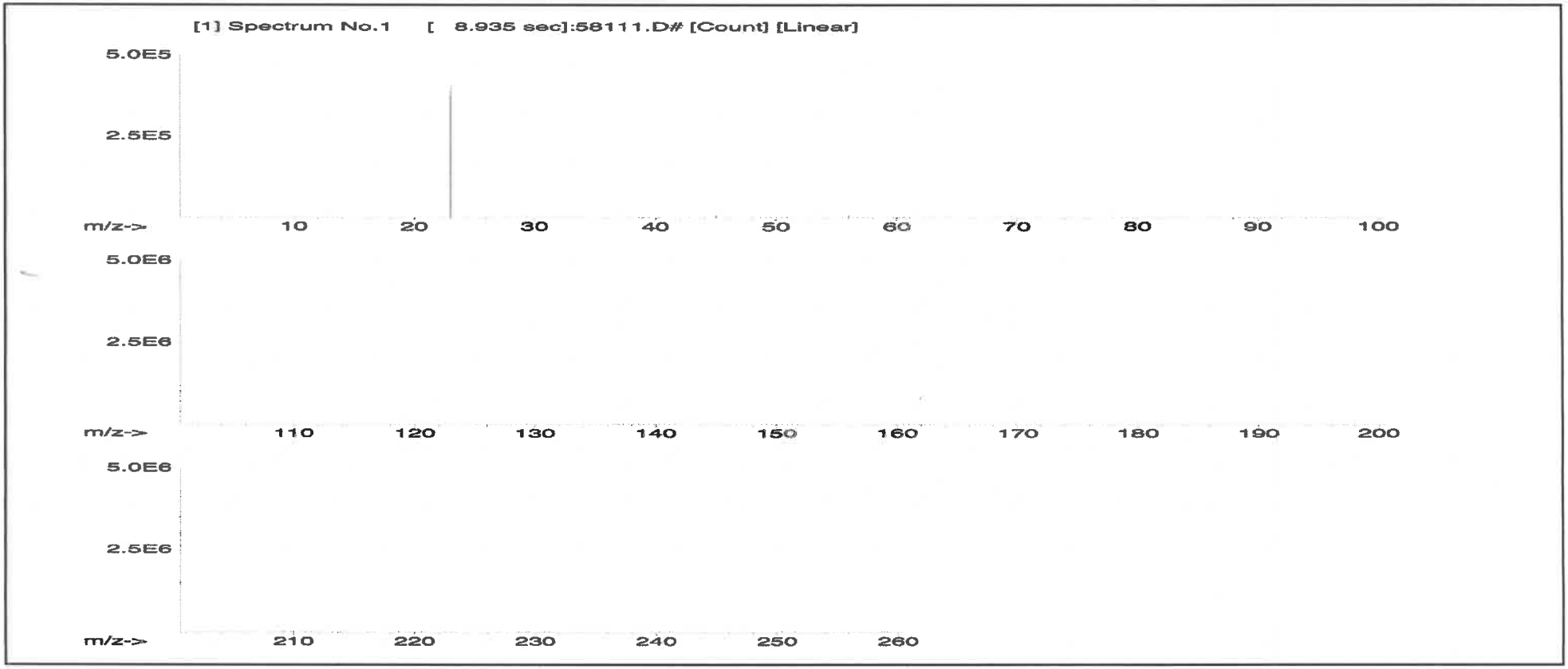
	Lot #		
Solvent:	24002546	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Aleah O'Brady

Formulated By:	Aleah O'Brady	122223
Reviewed By:	Pedro L. Rentas	122223

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Sodium nitrate (Na)	IN036	NAV012015I1	10000	99.999	0.10	26.9	111.5406	111.5479	**10000.7**	**20.0**	7631-99-4	5 mg/m3	orl-rat 3430 mg/kg	3152a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	T	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

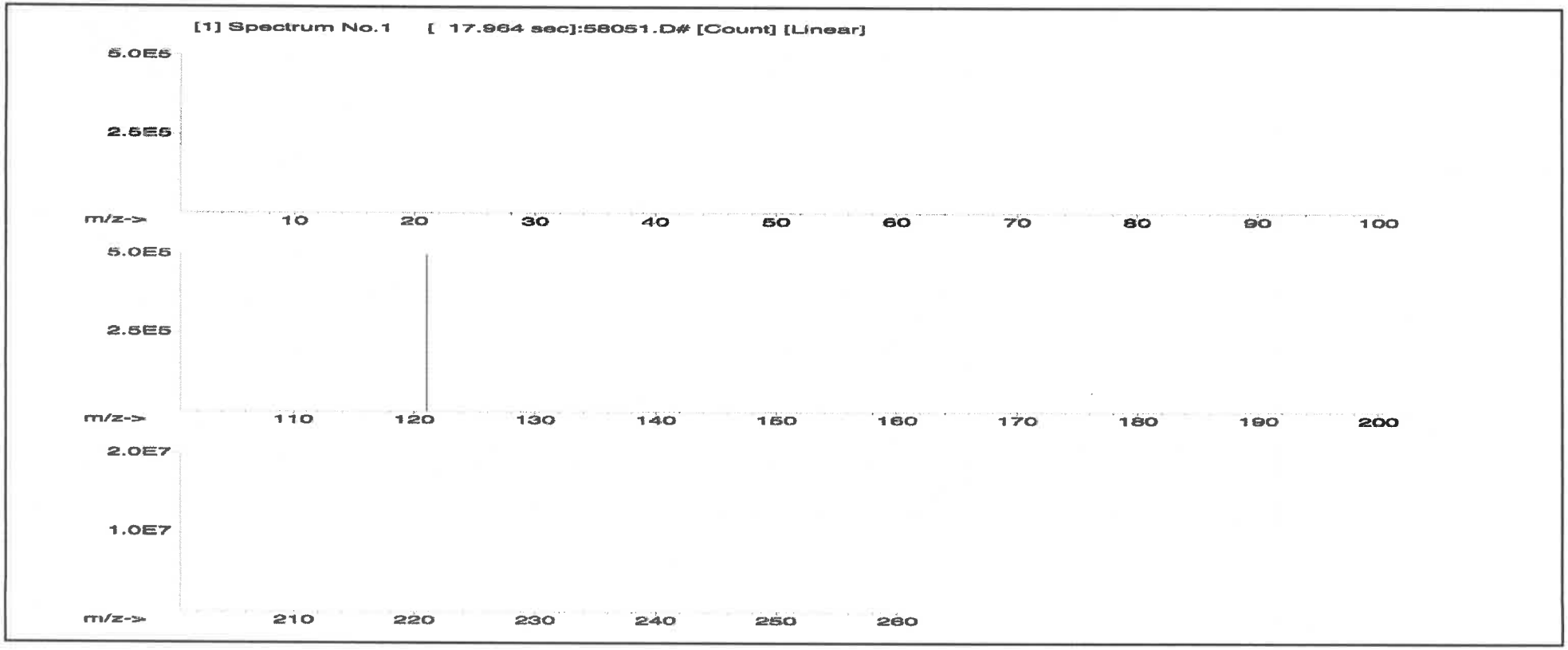
R: 01/03/24 M5802, M5803

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57051**	24002546	Nitric Acid	
Lot Number:	**120523**			
Description:	**Antimony (Sb)**			
		2.0%	60.0 (mL)	Nitric Acid
Expiration Date:	120526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	3000.41	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	120523
Reviewed By:	Pedro L. Rentas	120523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Antimony (Sb)	58151	100923	0.1000	300.0	0.084	1000	10001.4	**1000.0**	2.1	7440-36-0	0.5 mg/m3	orl-rat 7000 mg/kg	3102a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	T	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6030

R: 8/5/24

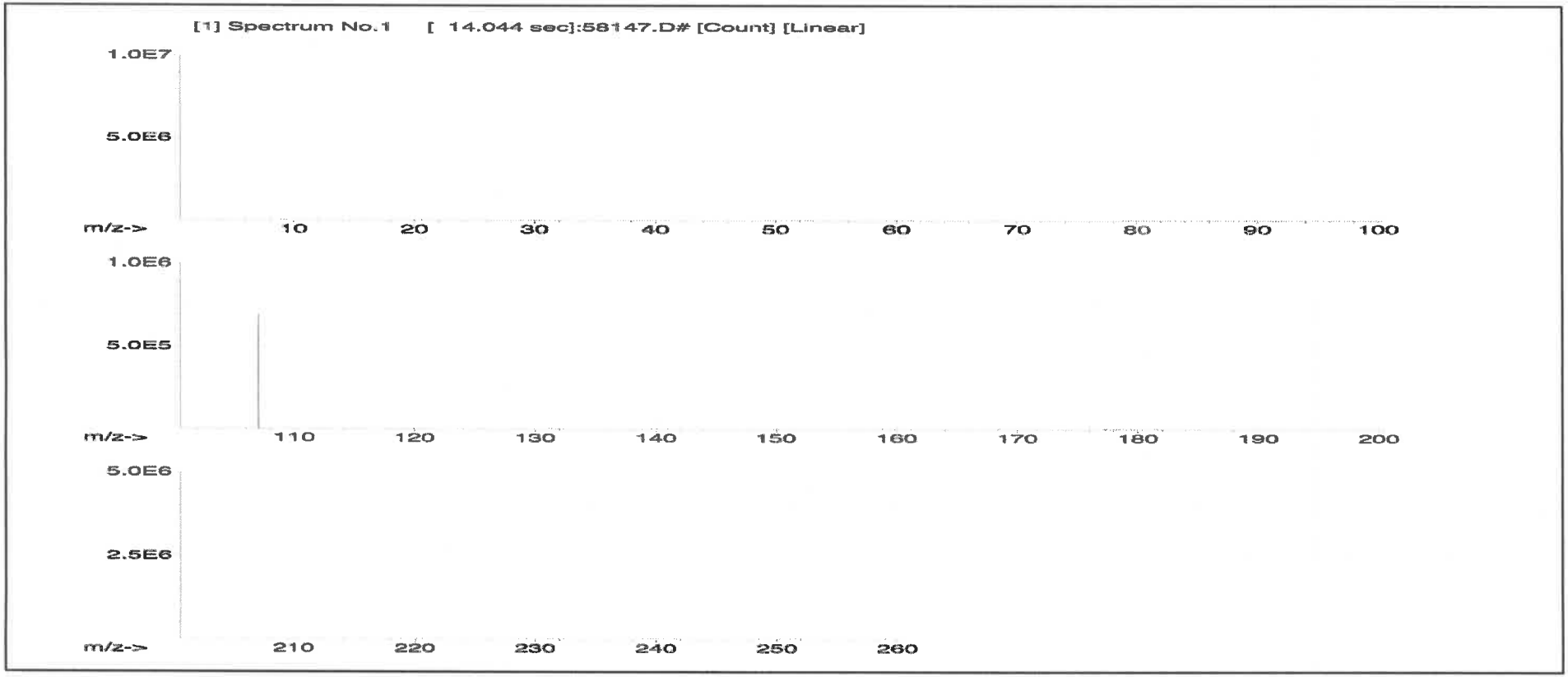
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number:	**57047**		**Lot #**		
Lot Number:	**122823**	**Solvent:**	24002546	Nitric Acid	
Description:	**Silver (Ag)**	2%	80.0 (mL)	Nitric Acid	
Expiration Date:	122826				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	4000.30	0.058	Flask Uncertainty		

Formulated By:	Benson Chan	122823
Reviewed By:	Pedro L. Rentas	122823

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Silver nitrate (Ag)	IN035	J0612AGA1	1000.0	99.9999	0.10	63.7	6.27992	6.27998	**1000.0**	**2.0**	7761-88-8	10 ug/m3	NA	3151



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	T	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 03/16/23 M5473, M5474, M5475, M5476

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 56138
Lot Number: 082922
Description: Strontium (Sr)

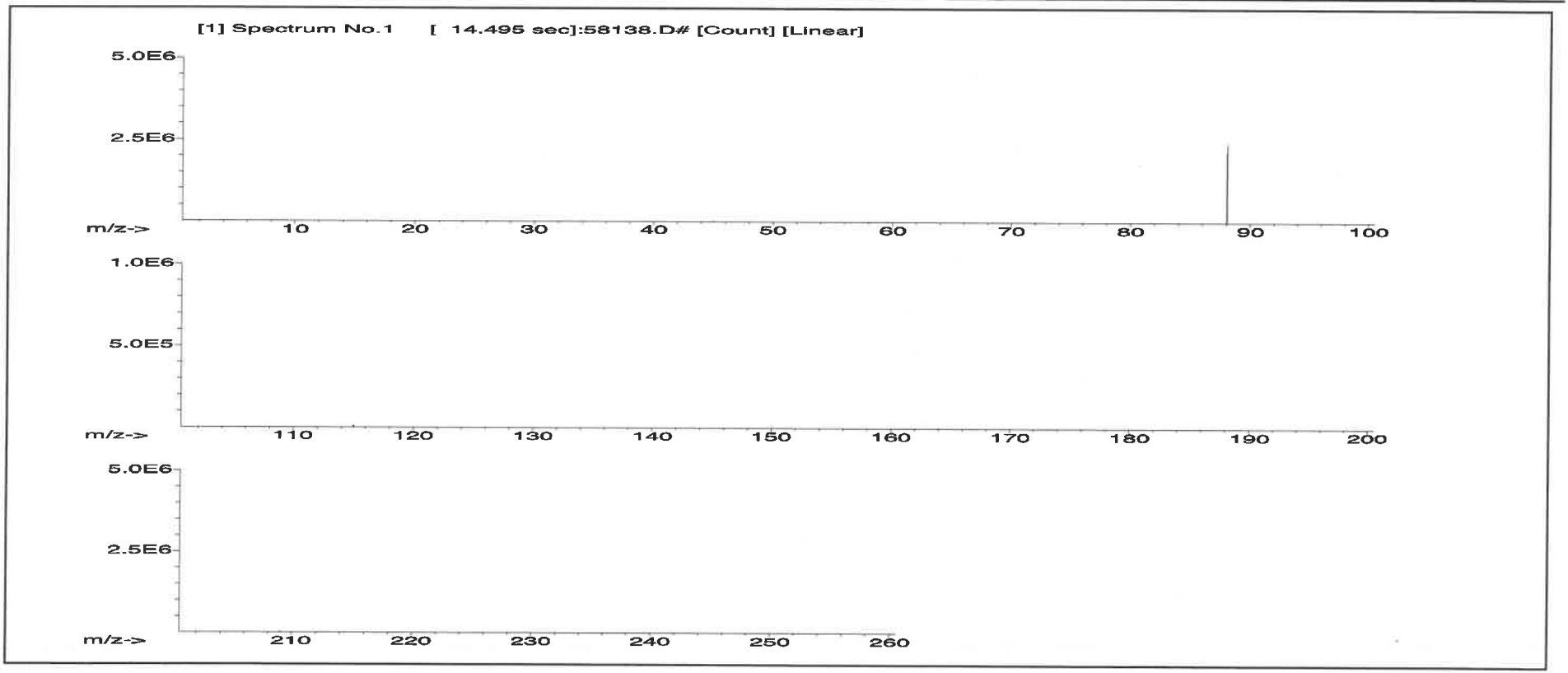
Expiration Date: 082925
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 1000.12

	Lot #		
Solvent:	20510011	Nitric Acid	
2%	20.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Lawrence Barry	082922
Reviewed By:	Pedro L. Rentas	082922

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Strontium nitrate (Sr)	IN017	SRZ022018A1	10000	99.997	0.10	41.2	24.2756	24.2758	**10000.1**	**20.0**	10042-76-9	NA	orl-rat >2000mg/kg	3153a



Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	T	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R ! 8/5/24

M6023

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

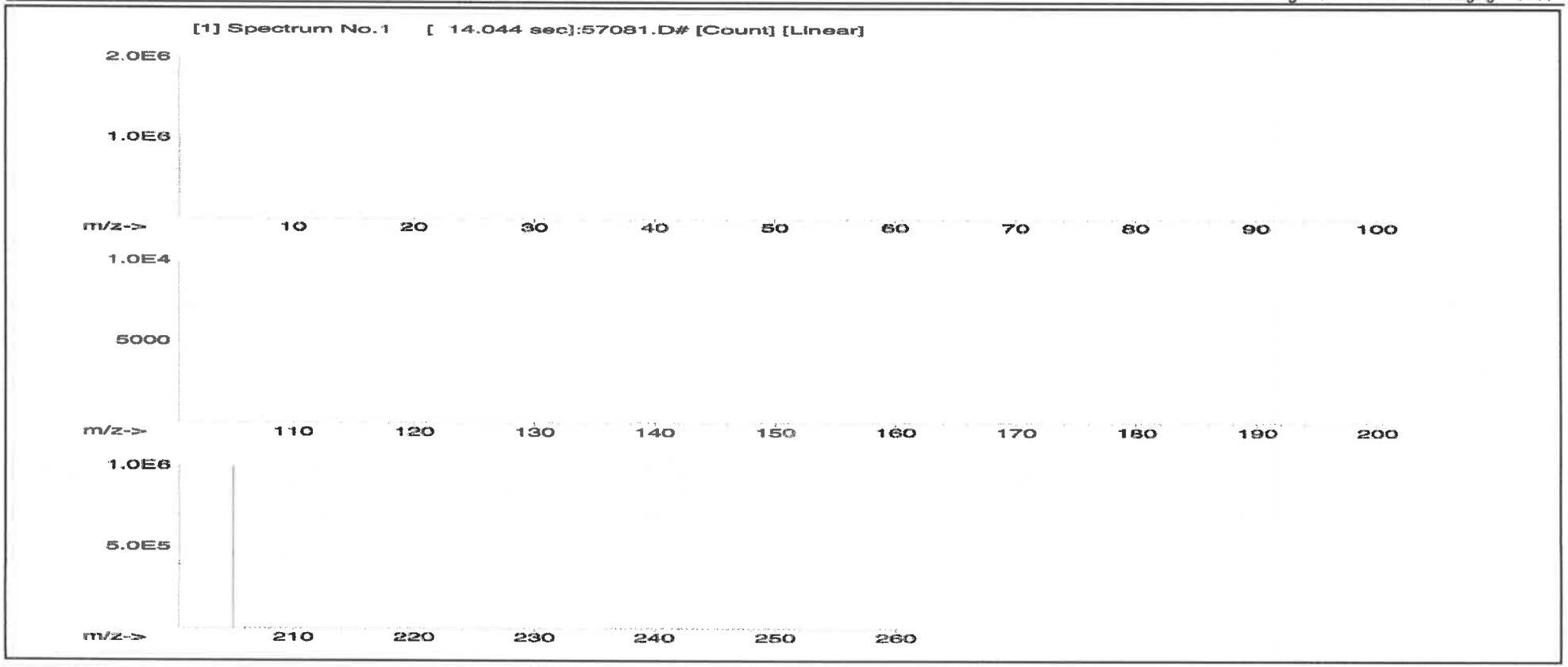
CERTIFIED WEIGHT REPORT:

Part Number:	**57081**		**Lot #**		
Lot Number:	**062724**	**Solvent:**	24002546	Nitric Acid	
Description:	**Thallium (Tl)**				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	062727				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.1	0.10	Flask Uncertainty		

Aleah O'Brady

Formulated By:	Aleah O'Brady	062724
Reviewed By:	Pedro L. Rentas	062724

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Thallium nitrate (Tl)	IN037	BCCF4399	1000	99.999	0.10	77.0	2.5975	2.5977	**1000.1**	**2.0**	10102-45-1	0.1 mg/m3	orl-mus 15mg/kg	3158



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	T	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6021

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Bc. 8/5/24

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57023**			
Lot Number:	**062424**	24002546	Nitric Acid	
Description:	**Vanadium (V)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	062427			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.3	0.06	Flask Uncertainty	

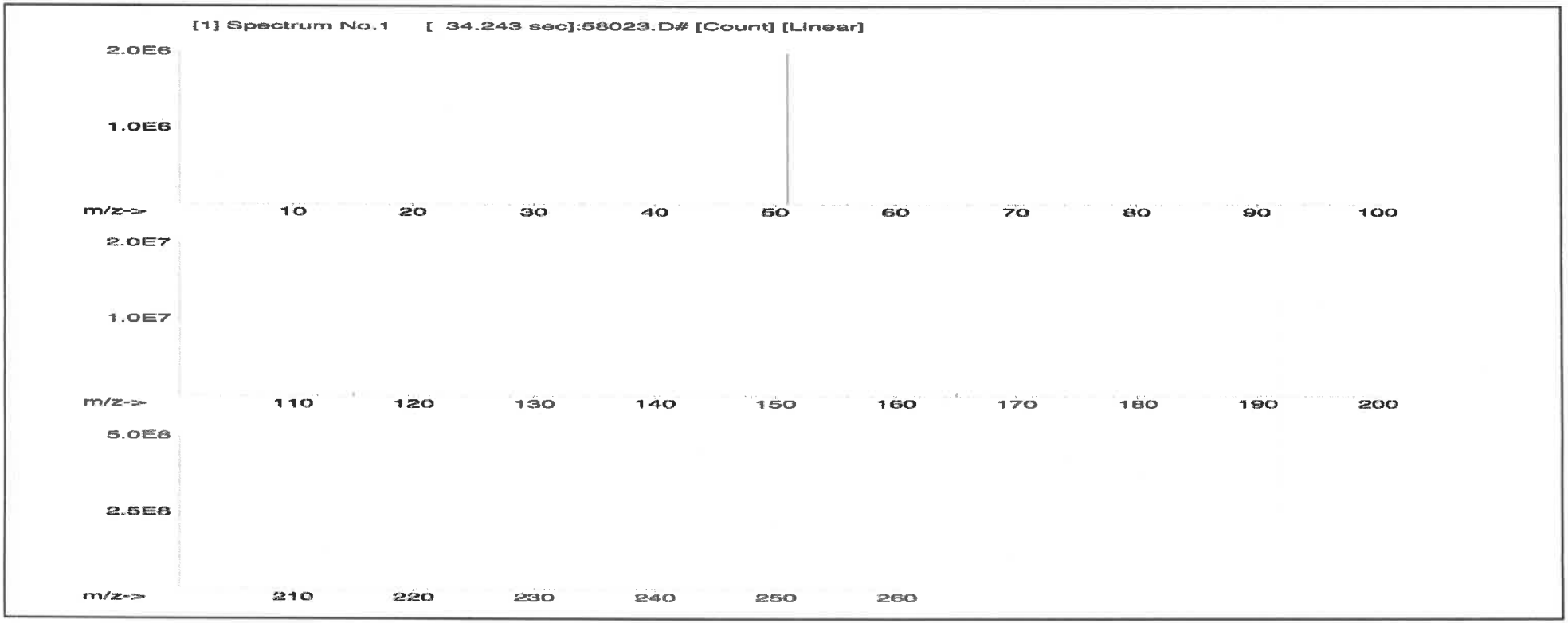
Aleah O'Brady

Formulated By:	Aleah O'Brady	062424

Pedro Rentas

Reviewed By:	Pedro L. Rentas	062424

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium metavanadate (V)	58123	021224	0.1000	200.0	0.084	1000	10000.3	**1000.0**	**2.2**	7803-55-6	0.05 mg/m3	orl-rat 58.1mg/kg	3165



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	T
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB165566

SOP ID : M3050B-Digestion-20, MSFAM01.1-Trace Metals-2

SDG No : MBHN18

Matrix : SOIL

Pippete ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #2 2. N/A

Start Digest Date: 12/17/2024 **Time :** 15:00 **Temp :** 96 °C

End Digest Date: 12/17/2024 **Time :** 17:10 **Temp :** 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. # 2

Dig Technician Signature: SLG.

Supervisor Signature: SG

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LCSS	1.00	MP83506
Spike Sol 6	1.00	MP83512
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
1:1 HNO3	10.00	MP83498
Conc. HNO3	5.00	M6126
30% H2O2	3.00	M6125
Conc. HCL	10.00	M6121
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK #2 CELL #35 : 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/17/24 18:10	SLG. MET DIGESTION.	SG (Metals Lab)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB165566

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
P5212-01	MBHN19	N/A	1.14	100	Brown	Yellow	Medium	N/A	N/A	1
P5212-02	MBHNF0	N/A	1.25	100	Brown	Yellow	Medium	N/A	N/A	2
P5212-03	MBHNF1	N/A	1.20	100	Brown	Yellow	Medium	N/A	N/A	3
P5212-04	MBHNF2	N/A	1.20	100	Brown	Yellow	Medium	N/A	N/A	4
P5212-05	MBHNF3	N/A	1.18	100	Brown	Yellow	Medium	N/A	N/A	5
P5212-06	MBHNF3D	N/A	1.27	100	Brown	Yellow	Medium	N/A	N/A	6
P5212-07	MBHNF3S	N/A	1.20	100	Brown	Yellow	Medium	N/A	MP83512	7
P5212-08	MBHNF4	N/A	1.06	100	Brown	Yellow	Medium	N/A	N/A	8
P5212-10	MBHNF5	N/A	1.02	100	Brown	Yellow	Medium	N/A	N/A	9
P5212-11	MBHNF6	N/A	1.39	100	Brown	Yellow	Medium	N/A	N/A	10
P5212-12	MBHNL2	N/A	1.23	100	Brown	Yellow	Medium	N/A	N/A	11
P5212-13	MBHNL3	N/A	1.37	100	Brown	Yellow	Medium	N/A	N/A	12
P5212-14	MBHNL4	N/A	1.27	100	Brown	Yellow	Medium	N/A	N/A	13
P5212-15	MBHNL5	N/A	1.22	100	Brown	Yellow	Medium	N/A	N/A	14
P5212-16	MBHNL6	N/A	1.34	100	Brown	Yellow	Medium	N/A	N/A	15
P5212-20	MBHNL8	N/A	1.21	100	Brown	Yellow	Medium	N/A	N/A	16
P5212-21	MBHNL9	N/A	1.37	100	Brown	Yellow	Medium	N/A	N/A	17
P5212-22	MBHNM0	N/A	1.12	100	Brown	Yellow	Medium	N/A	N/A	18
P5212-23	MBHN18	N/A	1.28	100	Brown	Yellow	Medium	N/A	N/A	19
PB165566BL	PBS566	N/A	1.00	100	Colorless	Colorless	Fine	N/A	N/A	20
PB165566BS	LCS566	N/A	1.00	100	Colorless	Colorless	Fine	N/A	MP83506	21

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB165669

SJ
12/17/2024

SOP ID : M200.7-Trace Elements-22, MSFAM01.1-Trace Metals-2

SDG No : MBHK12,MBHK93,MBHL70 MBHLP0,MBHME1, MBHMT4,MBHN18

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 12/16/2024 **Time :** 13:15 **Temp :** 96 °C

End Digest Date: 12/16/2024 **Time :** 14:05 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SKG.

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LCSW	1.00	MP83506
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
1:1 HNO3	1.00	MP83498
1:1 HCL	0.50	MP83499
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK #1 CELL #55 :96

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/16/24 18:09	SKG. met digestion	SG metals lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB165669

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
P5015-02	MBHK13	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	1
P5033-21	MBHKQ4	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	2
P5059-20	MBHLD7	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	3
P5059-21	MBHLD8	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	4
P5092-20	MBHM40	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	5
P5132-21	MBHMN5	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	6
P5200-15	MBHNJ3	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	7
P5212-09	MBHNJ4	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	8
PB165669BL	PBW669	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	9
PB165669BS	LCS669	<2	50	50	Colorless	Colorless	Clear	Clear	MP83506	10

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134242

Review By	Sarabjit Jaswal	Review On	1/13/2025 6:55:07 AM
Supervise By	Mohan Bera	Supervise On	1/13/2025 6:55:51 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	01/12/25 02:00		Kareem	OK
2	S1	S01	CAL2	01/12/25 02:04		Kareem	OK
3	S2	S02	CAL3	01/12/25 02:08		Kareem	OK
4	S3	S03	CAL4	01/12/25 02:12		Kareem	OK
5	S4	S04	CAL5	01/12/25 02:16		Kareem	OK
6	S5	S05	CAL6	01/12/25 02:20		Kareem	OK
7	S6	S06	CAL7	01/12/25 02:25		Kareem	OK
8	ICV001	ICV001	ICV	01/12/25 03:02	Inst. paused for calibration review	Kareem	OK
9	ICB001	ICB001	ICB	01/12/25 03:06		Kareem	OK
10	ICSA001	ICSA001	ICSA	01/12/25 03:10		Kareem	OK
11	ICSAB001	ICSAB001	ICSAB	01/12/25 03:14		Kareem	OK
12	CCV001	CCV001	CCV	01/12/25 03:30	Inst. paused for review	Kareem	OK
13	CCB001	CCB001	CCB	01/12/25 03:34		Kareem	OK
14	PB165909BL	PBS909	MB	01/12/25 03:38		Kareem	OK
15	PB165909BS	LCS909	LCS	01/12/25 03:42		Kareem	OK
16	PB165911BL	PBS911	MB	01/12/25 03:46		Kareem	OK
17	PB165911BS	LCS911	LCS	01/12/25 03:51		Kareem	OK
18	PB165923BL	PBS923	MB	01/12/25 03:55		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134242

Review By	Sarabjit Jaswal	Review On	1/13/2025 6:55:07 AM
Supervise By	Mohan Bera	Supervise On	1/13/2025 6:55:51 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

19	PB165923BS	LCS923	LCS	01/12/25 03:59		Kareem	OK
20	PB165891BL	PBS891	MB	01/12/25 04:03		Kareem	OK
21	PB165891BS	LCS891	LCS	01/12/25 04:07		Kareem	OK
22	PB165885BL	PBS885	MB	01/12/25 04:11		Kareem	OK
23	PB165885BS	LCS885	LCS	01/12/25 04:15		Kareem	OK
24	PB165884BL	PBS884	MB	01/12/25 04:19		Kareem	OK
25	PB165884BS	LCS884	LCS	01/12/25 04:23		Kareem	OK
26	PB165886BL	PBS886	MB	01/12/25 04:27		Kareem	OK
27	PB165886BS	LCS886	LCS	01/12/25 04:32		Kareem	OK
28	P5209-01	MBHMZ2	SAM	01/12/25 04:36		Kareem	OK
29	P5209-02	MBHMZ3	SAM	01/12/25 04:40		Kareem	OK
30	P5209-03	MBHMZ4	SAM	01/12/25 04:43		Kareem	OK
31	P5209-04	MBHMZ5	SAM	01/12/25 04:47		Kareem	OK
32	P5209-05	MBHMZ6	SAM	01/12/25 04:51		Kareem	OK
33	P5209-06	MBHMZ7	SAM	01/12/25 04:55		Kareem	OK
34	CCV002	CCV002	CCV	01/12/25 04:59		Kareem	OK
35	CCB002	CCB002	CCB	01/12/25 05:04		Kareem	OK
36	P5209-07	MBHMZ8	SAM	01/12/25 05:08	Ca high	Kareem	Dilution
37	P5209-08	MBHN75	SAM	01/12/25 05:12		Kareem	OK
38	P5209-09	MBHN76	SAM	01/12/25 05:16		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134242

Review By	Sarabjit Jaswal	Review On	1/13/2025 6:55:07 AM
Supervise By	Mohan Bera	Supervise On	1/13/2025 6:55:51 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

39	P5209-10	MBHN77	SAM	01/12/25 05:20		Kareem	OK
40	P5209-11	MBHN78	SAM	01/12/25 05:24		Kareem	OK
41	P5209-12	MBHN79	SAM	01/12/25 05:28		Kareem	OK
42	P5209-13	MBHN80	SAM	01/12/25 05:32		Kareem	OK
43	P5209-14	MBHN81	SAM	01/12/25 05:36		Kareem	OK
44	P5209-15	MBHN81D	DUP	01/12/25 05:40		Kareem	OK
45	P5209-14L	MBHN81L	SD	01/12/25 05:44		Kareem	OK
46	P5209-16	MBHN81S	MS	01/12/25 05:48	MS fail for Se	Kareem	OK
47	P5209-17	MBHN96	SAM	01/12/25 05:52		Kareem	OK
48	P5209-18	MBHN97	SAM	01/12/25 05:55		Kareem	OK
49	P5209-19	MBHN98	SAM	01/12/25 06:00		Kareem	OK
50	P5209-20	MBHN99	SAM	01/12/25 06:04		Kareem	OK
51	P5209-21	MBHNA0	SAM	01/12/25 06:08		Kareem	OK
52	P5209-22	MBHNC2	SAM	01/12/25 06:11		Kareem	OK
53	P5208-01	MBHN68	SAM	01/12/25 06:15		Kareem	OK
54	P5208-02	MBHN69	SAM	01/12/25 06:19		Kareem	OK
55	P5208-03	MBHN70	SAM	01/12/25 06:23		Kareem	OK
56	CCV003	CCV003	CCV	01/12/25 06:36		Kareem	OK
57	CCB003	CCB003	CCB	01/12/25 06:40		Kareem	OK
58	P5208-04	MBHN71	SAM	01/12/25 06:44		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134242

Review By	Sarabjit Jaswal	Review On	1/13/2025 6:55:07 AM
Supervise By	Mohan Bera	Supervise On	1/13/2025 6:55:51 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

59	P5208-05	MBHN72	SAM	01/12/25 06:48		Kareem	OK
60	P5208-06	MBHN73	SAM	01/12/25 06:52		Kareem	OK
61	P5208-07	MBHN74	SAM	01/12/25 06:56		Kareem	OK
62	P5208-08	MBHNK1	SAM	01/12/25 07:00		Kareem	OK
63	P5208-09	MBHNK2	SAM	01/12/25 07:04		Kareem	OK
64	P5208-10	MBHNK3	SAM	01/12/25 07:08		Kareem	OK
65	P5208-11	MBHNK4	SAM	01/12/25 07:12		Kareem	OK
66	P5208-12	MBHNK4D	DUP	01/12/25 07:16		Kareem	OK
67	P5208-11L	MBHNK4L	SD	01/12/25 07:20		Kareem	OK
68	P5208-13	MBHNK4S	MS	01/12/25 07:24	MS fail for Se,Zn	Kareem	OK
69	P5208-14	MBHNK5	SAM	01/12/25 07:28		Kareem	OK
70	P5208-15	MBHNK6	SAM	01/12/25 07:32		Kareem	OK
71	P5208-16	MBHNK7	SAM	01/12/25 07:36		Kareem	OK
72	P5208-17	MBHNK8	SAM	01/12/25 07:40		Kareem	OK
73	P5208-18	MBHNK9	SAM	01/12/25 07:44		Kareem	OK
74	P5206-01	MBHN53	SAM	01/12/25 07:48	Ca,Mg high	Kareem	Dilution
75	P5206-02	MBHN82	SAM	01/12/25 07:52		Kareem	OK
76	P5206-03	MBHN82D	DUP	01/12/25 07:56		Kareem	OK
77	P5206-02L	MBHN82L	SD	01/12/25 08:00		Kareem	OK
78	CCV004	CCV004	CCV	01/12/25 08:04		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134242

Review By	Sarabjit Jaswal	Review On	1/13/2025 6:55:07 AM
Supervise By	Mohan Bera	Supervise On	1/13/2025 6:55:51 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

79	CCB004	CCB004	CCB	01/12/25 08:08		Kareem	OK
80	P5206-04	MBHN82S	MS	01/12/25 08:12	MS fail for As,Cu,Se,Zn	Kareem	OK
81	P5206-05	MBHN83	SAM	01/12/25 08:16		Kareem	OK
82	P5206-06	MBHN84	SAM	01/12/25 08:20		Kareem	OK
83	P5206-07	MBHN85	SAM	01/12/25 08:24		Kareem	OK
84	P5206-08	MBHN86	SAM	01/12/25 08:28		Kareem	OK
85	P5206-09	MBHN87	SAM	01/12/25 08:32		Kareem	OK
86	P5206-10	MBHN88	SAM	01/12/25 08:36	Ca high	Kareem	Dilution
87	P5206-11	MBHNA1	SAM	01/12/25 08:40		Kareem	OK
88	P5206-12	MBHNA2	SAM	01/12/25 08:44		Kareem	OK
89	P5206-13	MBHNA3	SAM	01/12/25 08:48		Kareem	OK
90	P5206-14	MBHNA4	SAM	01/12/25 08:52		Kareem	OK
91	P5206-15	MBHNA5	SAM	01/12/25 08:56		Kareem	OK
92	P5206-16	MBHNA6	SAM	01/12/25 09:00		Kareem	OK
93	P5206-17	MBHNA7	SAM	01/12/25 09:04		Kareem	OK
94	P5206-18	MBHNJ9	SAM	01/12/25 09:08		Kareem	OK
95	P5206-19	MBHNK0	SAM	01/12/25 09:12		Kareem	OK
96	P5197-01	MBHMP6	SAM	01/12/25 09:16		Kareem	OK
97	P5197-02	MBHMP7	SAM	01/12/25 09:20		Kareem	OK
98	P5197-03	MBHMP8	SAM	01/12/25 09:24		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134242

Review By	Sarabjit Jaswal	Review On	1/13/2025 6:55:07 AM
Supervise By	Mohan Bera	Supervise On	1/13/2025 6:55:51 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

99	P5197-04	MBHMP9	SAM	01/12/25 09:28		Kareem	OK
100	CCV005	CCV005	CCV	01/12/25 09:32		Kareem	OK
101	CCB005	CCB005	CCB	01/12/25 09:36		Kareem	OK
102	P5197-05	MBHMQ7	SAM	01/12/25 09:41		Kareem	OK
103	P5197-06	MBHMQ8	SAM	01/12/25 09:44		Kareem	OK
104	P5197-07	MBHMQ9	SAM	01/12/25 09:48		Kareem	OK
105	P5197-08	MBHMQ9D	DUP	01/12/25 09:52		Kareem	OK
106	P5197-07L	MBHMQ9L	SD	01/12/25 09:56		Kareem	OK
107	P5197-09	MBHMQ9S	MS	01/12/25 10:00	MS fail for Se	Kareem	OK
108	P5197-10	MBHMR0	SAM	01/12/25 10:04		Kareem	OK
109	P5197-11	MBHMR1	SAM	01/12/25 10:08		Kareem	OK
110	P5197-12	MBHMR2	SAM	01/12/25 10:12		Kareem	OK
111	P5197-13	MBHMR3	SAM	01/12/25 10:16		Kareem	OK
112	P5197-14	MBHMS1	SAM	01/12/25 10:20		Kareem	OK
113	P5197-15	MBHMS2	SAM	01/12/25 10:24		Kareem	OK
114	P5197-16	MBHMS3	SAM	01/12/25 10:28		Kareem	OK
115	P5197-17	MBHMS4	SAM	01/12/25 10:32		Kareem	OK
116	P5197-18	MBHMS5	SAM	01/12/25 10:36		Kareem	OK
117	P5197-19	MBHMS6	SAM	01/12/25 10:40		Kareem	OK
118	P5197-20	MBHMS7	SAM	01/12/25 10:44	Ca high	Kareem	Dilution

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134242

Review By	Sarabjit Jaswal	Review On	1/13/2025 6:55:07 AM
Supervise By	Mohan Bera	Supervise On	1/13/2025 6:55:51 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

119	P5197-21	MBHMT8	SAM	01/12/25 10:48		Kareem	OK
120	P5197-22	MBHMT9	SAM	01/12/25 10:52		Kareem	OK
121	CCV006	CCV006	CCV	01/12/25 10:56		Kareem	OK
122	CCB006	CCB006	CCB	01/12/25 11:00		Kareem	OK
123	P5388-01	MH2D26	SAM	01/12/25 11:04		Kareem	OK
124	P5388-02	MH2D29	SAM	01/12/25 11:08		Kareem	OK
125	P5388-03	MH2D32	SAM	01/12/25 11:13		Kareem	OK
126	P5388-04	MH2D35	SAM	01/12/25 11:17		Kareem	OK
127	P5388-05	MH2D38	SAM	01/12/25 11:21		Kareem	OK
128	P5388-06	MH2D41	SAM	01/12/25 11:25		Kareem	OK
129	P5388-07	MH2D44	SAM	01/12/25 11:29		Kareem	OK
130	P5388-08	MH2D47	SAM	01/12/25 11:33		Kareem	OK
131	P5388-09	MH2D50	SAM	01/12/25 11:38		Kareem	OK
132	P5388-10	MH2D53	SAM	01/12/25 11:42		Kareem	OK
133	P5388-11	MH2D56	SAM	01/12/25 11:46	Fe high	Kareem	Dilution
134	P5388-12	MH2D59	SAM	01/12/25 11:50		Kareem	OK
135	P5388-13	MH2D62	SAM	01/12/25 11:54		Kareem	OK
136	P5388-14	MH2D65	SAM	01/12/25 11:58		Kareem	OK
137	P5388-15	MH2D68	SAM	01/12/25 12:02		Kareem	OK
138	P5388-16	MH2D71	SAM	01/12/25 12:07		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134242

Review By	Sarabjit Jaswal	Review On	1/13/2025 6:55:07 AM
Supervise By	Mohan Bera	Supervise On	1/13/2025 6:55:51 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

139	P5388-17	MH2D74	SAM	01/12/25 12:11		Kareem	OK
140	P5388-18	MH2D74D	DUP	01/12/25 12:15		Kareem	OK
141	P5388-17L	MH2D74L	SD	01/12/25 12:19		Kareem	OK
142	P5388-19	MH2D74S	MS	01/12/25 12:23		Kareem	OK
143	P5393-01RE	MH2D28	SAM	01/12/25 12:27	NOT USE	Kareem	Not Ok
144	CCV007	CCV007	CCV	01/12/25 12:37		Kareem	OK
145	CCB007	CCB007	CCB	01/12/25 12:41		Kareem	OK
146	P5201-01	MBHMY5	SAM	01/12/25 12:45		Kareem	OK
147	P5201-02	MBHMY6	SAM	01/12/25 12:49		Kareem	OK
148	P5201-03	MBHMY7	SAM	01/12/25 12:53		Kareem	OK
149	P5201-04	MBHMY8	SAM	01/12/25 12:57		Kareem	OK
150	P5201-05	MBHMY9	SAM	01/12/25 13:01		Kareem	OK
151	P5201-06	MBHMZ0	SAM	01/12/25 13:05		Kareem	OK
152	P5201-07	MBHMZ1	SAM	01/12/25 13:09		Kareem	OK
153	P5201-08	MBHNA8	SAM	01/12/25 13:13		Kareem	OK
154	P5201-09	MBHNA9	SAM	01/12/25 13:17		Kareem	OK
155	P5201-10	MBHNB0	SAM	01/12/25 13:21		Kareem	OK
156	P5201-11	MBHNB1	SAM	01/12/25 13:25		Kareem	OK
157	P5201-12	MBHNB2	SAM	01/12/25 13:29		Kareem	OK
158	P5201-13	MBHNB3	SAM	01/12/25 13:33		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134242

Review By	Sarabjit Jaswal	Review On	1/13/2025 6:55:07 AM
Supervise By	Mohan Bera	Supervise On	1/13/2025 6:55:51 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

159	P5201-14	MBHNB4	SAM	01/12/25 13:37		Kareem	OK
160	P5201-15	MBHNE3	SAM	01/12/25 13:41		Kareem	OK
161	P5201-16	MBHNE4	SAM	01/12/25 13:44		Kareem	OK
162	P5201-17	MBHNE5	SAM	01/12/25 13:48		Kareem	OK
163	P5201-18	MBHNE6	SAM	01/12/25 13:52		Kareem	OK
164	P5201-19	MBHNE7	SAM	01/12/25 13:56		Kareem	OK
165	CCV008	CCV008	CCV	01/12/25 14:00		Kareem	OK
166	CCB008	CCB008	CCB	01/12/25 14:04		Kareem	OK
167	P5201-20	MBHNE7D	DUP	01/12/25 14:09		Kareem	OK
168	P5201-19L	MBHNE7L	SD	01/12/25 14:13		Kareem	OK
169	P5201-21	MBHNE7S	MS	01/12/25 14:17	MS fail for As,Ba,Cu,Se	Kareem	OK
170	P5201-22	MBHNE8	SAM	01/12/25 14:20		Kareem	OK
171	P5210-01	MBHNC3	SAM	01/12/25 14:24		Kareem	OK
172	P5210-02	MBHNC4	SAM	01/12/25 14:28		Kareem	OK
173	P5210-03	MBHNC5	SAM	01/12/25 14:32		Kareem	OK
174	P5210-04	MBHNC6	SAM	01/12/25 14:36		Kareem	OK
175	P5210-05	MBHNC7	SAM	01/12/25 14:40	Ca high	Kareem	Dilution
176	P5210-06	MBHNC8	SAM	01/12/25 14:44	Ca high	Kareem	Dilution
177	P5210-07	MBHNH8	SAM	01/12/25 14:48		Kareem	OK
178	P5210-08	MBHNH9	SAM	01/12/25 14:52		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134242

Review By	Sarabjit Jaswal	Review On	1/13/2025 6:55:07 AM
Supervise By	Mohan Bera	Supervise On	1/13/2025 6:55:51 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

179	P5210-09	MBHNJ0	SAM	01/12/25 14:56		Kareem	OK
180	P5210-10	MBHNJ0D	DUP	01/12/25 15:00		Kareem	OK
181	P5210-09L	MBHNJ0L	SD	01/12/25 15:05		Kareem	OK
182	P5210-11	MBHNJ0S	MS	01/12/25 15:09	MS fail for As,Ba,Cu,Se	Kareem	OK
183	P5210-12	MBHNJ1	SAM	01/12/25 15:13		Kareem	OK
184	P5210-13	MBHNJ2	SAM	01/12/25 15:17		Kareem	OK
185	P5210-14	MBHNL0	SAM	01/12/25 15:21	Ca high	Kareem	Dilution
186	P5210-15	MBHNL1	SAM	01/12/25 15:25		Kareem	OK
187	P5211-01	MBHMR4	SAM	01/12/25 15:29		Kareem	OK
188	CCV009	CCV009	CCV	01/12/25 15:55		Kareem	OK
189	CCB009	CCB009	CCB	01/12/25 16:00		Kareem	OK
190	P5211-20	MBHNL7	SAM	01/12/25 16:03		Kareem	OK
191	P5211-21	MBHNL7D	DUP	01/12/25 16:07		Kareem	OK
192	P5211-20L	MBHNL7L	SD	01/12/25 16:11		Kareem	OK
193	P5211-22	MBHNL7S	MS	01/12/25 16:16	MS fail for As,Mn,Se	Kareem	OK
194	P5212-05	MBHNF3	SAM	01/12/25 16:19		Kareem	OK
195	P5212-06	MBHNF3D	DUP	01/12/25 16:23		Kareem	OK
196	P5212-05L	MBHNF3L	SD	01/12/25 16:27		Kareem	OK
197	P5212-07	MBHNF3S	MS	01/12/25 16:31	MS fail for As,Ba,Be,Cr,Cu,Se,V,Zn	Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134242

Review By	Sarabjit Jaswal	Review On	1/13/2025 6:55:07 AM
Supervise By	Mohan Bera	Supervise On	1/13/2025 6:55:51 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

198	P5211-10	MBHN08	SAM	01/12/25 16:35		Kareem	OK
199	P5211-11	MBHN09	SAM	01/12/25 16:39		Kareem	OK
200	P5211-12	MBHN10	SAM	01/12/25 16:43		Kareem	OK
201	P5211-13	MBHN11	SAM	01/12/25 16:47		Kareem	OK
202	P5211-14	MBHN12	SAM	01/12/25 16:51		Kareem	OK
203	P5211-15	MBHN13	SAM	01/12/25 16:55		Kareem	OK
204	P5211-16	MBHN14	SAM	01/12/25 16:59		Kareem	OK
205	P5211-17	MBHN15	SAM	01/12/25 17:03		Kareem	OK
206	P5211-18	MBHN16	SAM	01/12/25 17:07		Kareem	OK
207	P5211-19	MBHN17	SAM	01/12/25 17:11		Kareem	OK
208	P5211-02	MBHMR5	SAM	01/12/25 17:15		Kareem	OK
209	P5211-03	MBHMR6	SAM	01/12/25 17:19		Kareem	OK
210	CCV010	CCV010	CCV	01/12/25 17:23		Kareem	OK
211	CCB010	CCB010	CCB	01/12/25 17:28		Kareem	OK
212	P5211-04	MBHMR7	SAM	01/12/25 17:32		Kareem	OK
213	P5211-05	MBHMR8	SAM	01/12/25 17:36		Kareem	OK
214	P5212-01	MBHN19	SAM	01/12/25 17:40		Kareem	OK
215	P5212-02	MBHNF0	SAM	01/12/25 17:44		Kareem	OK
216	P5212-03	MBHNF1	SAM	01/12/25 17:48		Kareem	OK
217	P5212-04	MBHNF2	SAM	01/12/25 17:52		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134242

Review By	Sarabjit Jaswal	Review On	1/13/2025 6:55:07 AM
Supervise By	Mohan Bera	Supervise On	1/13/2025 6:55:51 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

218	P5211-06	MBHMR9	SAM	01/12/25 17:55		Kareem	OK
219	P5211-07	MBHMS0	SAM	01/12/25 17:59		Kareem	OK
220	P5211-08	MBHN06	SAM	01/12/25 18:03		Kareem	OK
221	P5211-09	MBHN07	SAM	01/12/25 18:07		Kareem	OK
222	P5212-09	MBHNJ4	SAM	01/12/25 18:11	Not used	Kareem	Not Ok
223	P5212-10	MBHNF5	SAM	01/12/25 18:15		Kareem	OK
224	P5212-11	MBHNF6	SAM	01/12/25 18:19		Kareem	OK
225	P5212-12	MBHNL2	SAM	01/12/25 18:23		Kareem	OK
226	P5212-13	MBHNL3	SAM	01/12/25 18:27		Kareem	OK
227	P5212-14	MBHNL4	SAM	01/12/25 18:31		Kareem	OK
228	P5212-15	MBHNL5	SAM	01/12/25 18:35		Kareem	OK
229	P5212-16	MBHNL6	SAM	01/12/25 18:39		Kareem	OK
230	P5212-20	MBHNL8	SAM	01/12/25 18:43		Kareem	OK
231	P5212-21	MBHNL9	SAM	01/12/25 18:47		Kareem	OK
232	CCV011	CCV011	CCV	01/12/25 18:51		Kareem	OK
233	CCB011	CCB011	CCB	01/12/25 18:55		Kareem	OK
234	P5212-22	MBHNM0	SAM	01/12/25 19:00		Kareem	OK
235	P5212-23	MBHN18	SAM	01/12/25 19:04	Mn high	Kareem	Dilution
236	P5209-07DL	MBHMZ8	SAM	01/12/25 19:08	2x for Ca	Kareem	Confirms
237	P5206-01DL	MBHN53	SAM	01/12/25 19:12	5x for Ca,Mg	Kareem	Confirms

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134242

Review By	Sarabjit Jaswal	Review On	1/13/2025 6:55:07 AM
Supervise By	Mohan Bera	Supervise On	1/13/2025 6:55:51 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

238	P5206-10DL	MBHN88	SAM	01/12/25 19:16	2x for Ca	Kareem	Confirms
239	P5197-20DL	MBHMS7	SAM	01/12/25 19:20	2x for Ca, Still Ca high	Kareem	Dilution
240	P5388-12DL	MH2D59	SAM	01/12/25 19:24	NOT USE	Kareem	Not Ok
241	P5210-05DL	MBHNC7	SAM	01/12/25 19:28	2x for Ca	Kareem	Confirms
242	P5210-06DL	MBHNC8	SAM	01/12/25 19:33	2x for Ca	Kareem	Confirms
243	P5197-07A	MBHMQ9A	PS	01/12/25 19:37	Ps for Se-0.007 MP84003 - 10 ml sample	Kareem	OK
244	P5201-19A	MBHNE7A	PS	01/12/25 19:41	PS for As-0.014 MP84000, Ba-0.012 M6032, Cu-0.0033 M5697, Se-0.007 MP84003 - 10 ml sample	Kareem	OK
245	P5206-02A	MBHN82A	PS	01/12/25 19:44	PS for As-0.0019 M5801, Cu-0.01 M5697, Se-0.007 MP84003, Zn-0.066 M5819 - 10 ml sample	Kareem	OK
246	P5208-11A	MBHNK4A	PS	01/12/25 19:48	PS for Se-0.007 MP84003, Zn-0.055 M5819 - 10 ml sample	Kareem	OK
247	P5209-14A	MBHN81A	PS	01/12/25 19:52	PS for Se-0.007 MP84003 - 10 ml sample	Kareem	OK
248	P5211-20A	MBHNL7A	PS	01/12/25 19:56	PS for As-0.0051 MP84000, Mn-0.074 M5698, Se-0.007 MP84003 - 10 ml sample	Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134242

Review By	Sarabjit Jaswal	Review On	1/13/2025 6:55:07 AM
Supervise By	Mohan Bera	Supervise On	1/13/2025 6:55:51 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

249	P5212-05A	MBHNF3A	PS	01/12/25 20:00	PS for As-0.0164 MP84000, Ba-0.03 M6032, Be-0.01 MP84001, Cr-0.003 M5658, Cu-0.007 M5697, Se-0.007 MP84003, V-0.0029 M6021, Zn-0.025 M5819 - 10 ml sample	Kareem	OK
250	P5210-09A	MBHNJ0A	PS	01/12/25 20:04	PS for As-0.011 MP84000, Ba-0.0082 M6032, Cu-0.004 M5697 , Se-0.007 MP84003 - 10 ml sample	Kareem	OK
251	CCV012	CCV012	CCV	01/12/25 20:08		Kareem	OK
252	CCB012	CCB012	CCB	01/12/25 20:17	Inst. paused for review	Kareem	OK
253	P5393-01	MH2D28	SAM	01/12/25 20:21	NOT USE	Kareem	Not Ok
254	P5393-02	MH2D31	SAM	01/12/25 20:25	NOT USE	Kareem	Not Ok
255	P5393-03	MH2D34	SAM	01/12/25 20:29	NOT USE	Kareem	Not Ok
256	P5393-04	MH2D37	SAM	01/12/25 20:33	NOT USE	Kareem	Not Ok
257	P5393-05	MH2D40	SAM	01/12/25 20:38	NOT USE	Kareem	Not Ok
258	P5393-06	MH2D43	SAM	01/12/25 20:42	NOT USE	Kareem	Not Ok
259	P5393-07	MH2D46	SAM	01/12/25 20:46	NOT USE	Kareem	Not Ok
260	P5393-08	MH2D49	SAM	01/12/25 20:50	NOT USE	Kareem	Not Ok
261	P5393-09	MH2D52	SAM	01/12/25 20:54	NOT USE	Kareem	Not Ok
262	P5393-10	MH2D55	SAM	01/12/25 20:58	NOT USE	Kareem	Not Ok
263	P5393-11	MH2D58	SAM	01/12/25 21:02	NOT USE	Kareem	Not Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134242

Review By	Sarabjit Jaswal	Review On	1/13/2025 6:55:07 AM
Supervise By	Mohan Bera	Supervise On	1/13/2025 6:55:51 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

264	P5393-12	MH2D61	SAM	01/12/25 21:06	NOT USE	Kareem	Not Ok
265	P5393-13	MH2D64	SAM	01/12/25 21:11	NOT USE	Kareem	Not Ok
266	P5393-14	MH2D67	SAM	01/12/25 21:15	NOT USE	Kareem	Not Ok
267	P5393-15	MH2D70	SAM	01/12/25 21:19	NOT USE	Kareem	Not Ok
268	P5393-16	MH2D73	SAM	01/12/25 21:24	NOT USE	Kareem	Not Ok
269	P5393-17	MH2D76	SAM	01/12/25 21:28	NOT USE	Kareem	Not Ok
270	P5393-18	MH2D76D	DUP	01/12/25 21:32	NOT USE	Kareem	Not Ok
271	P5393-17L	MH2D76L	SD	01/12/25 21:36	NOT USE	Kareem	Not Ok
272	CCV013	CCV013	CCV	01/12/25 21:40		Kareem	OK
273	CCB013	CCB013	CCB	01/12/25 21:45		Kareem	OK
274	P5393-19	MH2D76S	MS	01/12/25 21:49	NOT USE	Kareem	Not Ok
275	PB165942TB	LEB942	MB	01/12/25 21:53	NOT USE	Kareem	Not Ok
276	P5392-01	MH2D27	SAM	01/12/25 21:57	NOT USE	Kareem	Not Ok
277	P5392-02	MH2D30	SAM	01/12/25 22:01	NOT USE	Kareem	Not Ok
278	P5392-03	MH2D33	SAM	01/12/25 22:06	NOT USE	Kareem	Not Ok
279	P5392-04	MH2D36	SAM	01/12/25 22:10	NOT USE	Kareem	Not Ok
280	P5392-05	MH2D39	SAM	01/12/25 22:14	NOT USE	Kareem	Not Ok
281	P5392-06	MH2D42	SAM	01/12/25 22:18	NOT USE	Kareem	Not Ok
282	P5392-07	MH2D45	SAM	01/12/25 22:22	NOT USE	Kareem	Not Ok
283	P5392-08	MH2D48	SAM	01/12/25 22:26	NOT USE	Kareem	Not Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134242

Review By	Sarabjit Jaswal	Review On	1/13/2025 6:55:07 AM
Supervise By	Mohan Bera	Supervise On	1/13/2025 6:55:51 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

284	P5392-09	MH2D51	SAM	01/12/25 22:31	NOT USE	Kareem	Not Ok
285	P5392-10	MH2D54	SAM	01/12/25 22:35	NOT USE	Kareem	Not Ok
286	P5392-11	MH2D57	SAM	01/12/25 22:39	NOT USE	Kareem	Not Ok
287	P5392-12	MH2D60	SAM	01/12/25 22:43	NOT USE	Kareem	Not Ok
288	P5392-13	MH2D63	SAM	01/12/25 22:47	NOT USE	Kareem	Not Ok
289	P5392-14	MH2D66	SAM	01/12/25 22:51	NOT USE	Kareem	Not Ok
290	P5392-15	MH2D69	SAM	01/12/25 22:55	NOT USE	Kareem	Not Ok
291	P5392-16	MH2D72	SAM	01/12/25 23:00	NOT USE	Kareem	Not Ok
292	P5392-17	MH2D75	SAM	01/12/25 23:04	NOT USE	Kareem	Not Ok
293	P5392-18	MH2D75D	DUP	01/12/25 23:08	NOT USE	Kareem	Not Ok
294	P5392-17L	MH2D75L	SD	01/12/25 23:13	NOT USE	Kareem	Not Ok
295	CCV014	CCV014	CCV	01/12/25 23:17	K,Tl fail	Kareem	OK
296	CCB014	CCB014	CCB	01/12/25 23:21		Kareem	OK
297	P5392-19	MH2D75S	MS	01/12/25 23:25	NOT USE	Kareem	Not Ok
298	PB165941TB	LEB941	MB	01/12/25 23:29	NOT USE	Kareem	Not Ok
299	P5212-23DL	MBHN18	SAM	01/12/25 23:34	5x for Mn	Kareem	Confirms
300	CCV015	CCV015	CCV	01/12/25 23:38	Al,Ca,K fail	Kareem	OK
301	CCB015	CCB015	CCB	01/12/25 23:42		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134245

Review By	Sarabjit Jaswal	Review On	1/13/2025 2:03:03 PM
Supervise By	Mohan Bera	Supervise On	1/13/2025 2:03:45 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83506
Chk Standard	MP83513,MP83514

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	01/13/25 10:14		Kareem	OK
2	S1	S01	CAL2	01/13/25 10:19		Kareem	OK
3	S2	S02	CAL3	01/13/25 10:23		Kareem	OK
4	S3	S03	CAL4	01/13/25 10:27		Kareem	OK
5	S4	S04	CAL5	01/13/25 10:31		Kareem	OK
6	S5	S05	CAL6	01/13/25 10:35		Kareem	OK
7	S6	S06	CAL7	01/13/25 10:39		Kareem	OK
8	ICV002	ICV002	ICV	01/13/25 11:03	Instrument paused for calibration review	Kareem	OK
9	ICB002	ICB002	ICB	01/13/25 12:05	Instrument paused for review	Kareem	OK
10	ICSA002	ICSA002	ICSA	01/13/25 12:19	Instrument paused for review	Kareem	OK
11	ICSAB002	ICSAB002	ICSAB	01/13/25 12:23		Kareem	OK
12	CCV016	CCV016	CCV	01/13/25 12:27		Kareem	OK
13	CCB016	CCB016	CCB	01/13/25 12:36	Instrument paused for review	Kareem	OK
14	PB165566BL	PBS566	MB	01/13/25 12:40		Kareem	OK
15	PB165566BS	LCS566	LCS	01/13/25 12:44		Kareem	OK
16	P5212-08	MBHNF4	SAM	01/13/25 12:50		Kareem	OK
17	P5197-20DL	MBHMS7	SAM	01/13/25 12:54	5X for Ca	Kareem	Confirms

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134245

Review By	Sarabjit Jaswal	Review On	1/13/2025 2:03:03 PM
Supervise By	Mohan Bera	Supervise On	1/13/2025 2:03:45 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83506
Chk Standard	MP83513,MP83514

18	P5210-14DL	MBHNL0	SAM	01/13/25 12:58	2X for Ca	Kareem	Confirms
19	CCV017	CCV017	CCV	01/13/25 13:02		Kareem	OK
20	CCB017	CCB017	CCB	01/13/25 13:06		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Kareem Khairalla	Supervise On	12/27/2024 4:23:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83506
Chk Standard	MP83513,MP83514

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	12/23/24 13:14		Kareem	OK
2	S1	S01	CAL2	12/23/24 13:18		Kareem	OK
3	S2	S02	CAL3	12/23/24 13:23		Kareem	OK
4	S3	S03	CAL4	12/23/24 13:26		Kareem	OK
5	S4	S04	CAL5	12/23/24 13:30		Kareem	OK
6	S5	S05	CAL6	12/23/24 13:34		Kareem	OK
7	S6	S06	CAL7	12/23/24 13:38		Kareem	OK
8	ICV003	ICV003	ICV	12/23/24 13:56	Inst. paused for calibration review	Kareem	OK
9	ICB003	ICB003	ICB	12/23/24 14:00		Kareem	OK
10	ICSA003	ICSA003	ICSA	12/23/24 14:04		Kareem	OK
11	ICSAB003	ICSAB003	ICSAB	12/23/24 14:08		Kareem	OK
12	CCV021	CCV021	CCV	12/23/24 14:12		Kareem	OK
13	CCB021	CCB021	CCB	12/23/24 14:16		Kareem	OK
14	P5033-04DL	MBHK96	SAM	12/23/24 14:28	2X for Ca	Kareem	Confirms
15	P5033-12DL	MBHKA2	SAM	12/23/24 14:32	2X for Ca	Kareem	Confirms
16	P5033-13DL	MBHKA3	SAM	12/23/24 14:36	2X for Ca	Kareem	Confirms
17	P5034-03DL	MBHKB6	SAM	12/23/24 14:40	2X for Mn	Kareem	Confirms
18	P5034-04DL	MBHKB6D	DUP	12/23/24 14:44	2X for Mn	Kareem	Confirms

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Kareem Khairalla	Supervise On	12/27/2024 4:23:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83506
Chk Standard	MP83513,MP83514

19	P5034-03LDL	MBHKB6L	SD	12/23/24 14:48	10X for Mn	Kareem	Confirms
20	P5034-05DL	MBHKB6S	MS	12/23/24 14:52	2X for Mn	Kareem	Confirms
21	P5034-13DL	MBHKJ0	SAM	12/23/24 14:56	5X for Ca	Kareem	Confirms
22	P5233-03DL	ME28R7	SAM	12/23/24 15:00	2X for Ca	Kareem	Confirms
23	P5233-04DL	ME28R8	SAM	12/23/24 15:04	2X for Ca	Kareem	Confirms
24	P5233-06DL	ME28S0	SAM	12/23/24 15:08	2X for Ca	Kareem	Confirms
25	P5233-17DL	ME28T1	SAM	12/23/24 15:11	5X for Fe	Kareem	Confirms
26	P5233-19DL	ME28T3	SAM	12/23/24 15:15	2X for Fe	Kareem	Confirms
27	P5037-12DL	MBHK75	SAM	12/23/24 15:29	2X for Ca	Kareem	Confirms
28	P5037-20DL	MBHKG7	SAM	12/23/24 15:33	2X for Ca	Kareem	Confirms
29	P5028-01DL	MBHK34	SAM	12/23/24 15:37	2X for Ca	Kareem	Confirms
30	P5028-02DL	MBHK35	SAM	12/23/24 15:41	2X for Ca	Kareem	Confirms
31	P5009-21DL	MBHJZ3	SAM	12/23/24 15:45	2X for Ca	Kareem	Confirms
32	P4984-08DL	MBHJT5	SAM	12/23/24 15:49	5X for Ca	Kareem	Confirms
33	P4983-20DL	MBHJH0	SAM	12/23/24 15:53	5X for Ca	Kareem	Confirms
34	CCV022	CCV022	CCV	12/23/24 15:57		Kareem	OK
35	CCB022	CCB022	CCB	12/23/24 16:10	Inst. paused for review	Kareem	OK
36	P5039-07DL	MBHKJ7	SAM	12/23/24 16:14	2X for Ca	Kareem	Confirms
37	P5039-08DL	MBHKJ7D	DUP	12/23/24 16:18	2X for Ca	Kareem	Confirms
38	P5039-07LDL	MBHKJ7L	SD	12/23/24 16:21	10X for Ca	Kareem	Confirms

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Kareem Khairalla	Supervise On	12/27/2024 4:23:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83506
Chk Standard	MP83513,MP83514

39	P5039-09DL	MBHKJ7S	MS	12/23/24 16:26	2X for Ca	Kareem	Confirms
40	P5039-16DL	MBHKL8	SAM	12/23/24 16:29	2X for Ca	Kareem	Confirms
41	P5180-01DL	MYCYW9	SAM	12/23/24 16:33	4X for Mn	Kareem	Confirms
42	P5180-03DL	MYCYX1	SAM	12/23/24 16:37	4X for Mn	Kareem	Confirms
43	P5180-04DL	MYCYX2	SAM	12/23/24 16:41	5X for Mn	Kareem	Confirms
44	P5180-05DL	MYCYX3	SAM	12/23/24 16:45	8X for Mn	Kareem	Confirms
45	P5180-06DL	MYCYX4	SAM	12/23/24 16:49	8X for Mn	Kareem	Confirms
46	P5180-07DL	MYCYX5	SAM	12/23/24 16:53	8X for Mn	Kareem	Confirms
47	P5180-08DL	MYCYX6	SAM	12/23/24 16:57	8X for Mn	Kareem	Confirms
48	P5180-09DL	MYCYX7	SAM	12/23/24 17:01	8X for Mn	Kareem	Confirms
49	P5180-10DL	MYCYX8	SAM	12/23/24 17:05	10X for Mn	Kareem	Confirms
50	P5181-10DL	MYCYY8	SAM	12/23/24 17:09	4X for Mn	Kareem	Confirms
51	P5184-20DL	MYCZF8	SAM	12/23/24 17:13		Kareem	OK
52	P5184-21DL	MYCZF8D	DUP	12/23/24 17:17		Kareem	OK
53	P5184-20LDL	MYCZF8L	SD	12/23/24 17:21		Kareem	OK
54	P5184-22DL	MYCZF8S	MS	12/23/24 17:25	MS fail for Cr (862.76 ppb), Zn (1114.67 ppb), Ag(Below RL)	Kareem	OK
55	P5154-09DL	ME28P7	SAM	12/23/24 17:29	5X for Ca	Kareem	Confirms
56	CCV023	CCV023	CCV	12/23/24 17:33		Kareem	OK
57	CCB023	CCB023	CCB	12/23/24 17:37		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Kareem Khairalla	Supervise On	12/27/2024 4:23:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83506
Chk Standard	MP83513,MP83514

58	P4978-05DL	MBHJ51	SAM	12/23/24 17:41	5X for Ca	Kareem	Confirms
59	P4978-06DL	MBHJ52	SAM	12/23/24 17:45	5X for Ca	Kareem	Confirms
60	P4978-07DL	MBHJ53	SAM	12/23/24 17:49	5X for Ca	Kareem	Confirms
61	P4979-14DL	MBHJA2	SAM	12/23/24 17:53	2X for Ca	Kareem	Confirms
62	P4979-16DL	MBHJA4	SAM	12/23/24 17:57	5X for Ca	Kareem	Confirms
63	P4980-03DL	MBHJ72	SAM	12/23/24 18:01	5X for Ca	Kareem	Confirms
64	P4980-10DL	MBHJ86	SAM	12/23/24 18:05	5X for Ca	Kareem	Confirms
65	P4980-16DL	MBHJ90	SAM	12/23/24 18:09	5X for Ca	Kareem	Confirms
66	P4980-17DL	MBHJB0	SAM	12/23/24 18:13	5X for Ca	Kareem	Confirms
67	P4982-05DL	MBHJ37	SAM	12/23/24 18:17	5X for Ca	Kareem	Confirms
68	P4982-15DL	MBHJE9	SAM	12/23/24 18:21	5X for Ca	Kareem	Confirms
69	P4982-16DL	MBHJF0	SAM	12/23/24 18:24	5X for Ca	Kareem	Confirms
70	P5008-02DL	MBHJJ1	SAM	12/23/24 18:28	5X for Ca	Kareem	Confirms
71	P5008-03DL	MBHJJ3	SAM	12/23/24 18:32	5X for Ca	Kareem	Confirms
72	P5008-04DL	MBHJJ4	SAM	12/23/24 18:36	5X for Ca	Kareem	Confirms
73	P5008-05DL	MBHJJ5	SAM	12/23/24 18:40	5X for Ca	Kareem	Confirms
74	P5008-06DL	MBHJJ6	SAM	12/23/24 18:44	5X for Ca	Kareem	Confirms
75	P5183-20ADL	MYCZD8A	PS	12/23/24 18:48	PS For Cr(0.016ml m5658),Cu(-0.038ml m5697),Tl(0.05ml mp83745) - 10ml Sample	Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Kareem Khairalla	Supervise On	12/27/2024 4:23:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83506
Chk Standard	MP83513,MP83514

76	P5009-04A	MBHJQ3A	PS	12/23/24 18:52	PS for Cu(0.0032ml m5697),Se(0.013ml mp83726),Tl(0.05ml mp83745), Zn(0.014ml m5819)- 10ml Sample	Kareem	OK
77	P5028-07A	MBHK40A	PS	12/23/24 18:56	PS for Se(0.07ml mp83723)- 10ml Sample	Kareem	OK
78	CCV024	CCV024	CCV	12/23/24 19:00		Kareem	OK
79	CCB024	CCB024	CCB	12/23/24 19:03		Kareem	OK
80	P5033-05A	MBHK97A	PS	12/23/24 19:07	PS for Se(0.07ml mp83723),Zn(0.037ml m5819) - 10ml Sample	Kareem	OK
81	P5034-03A	MBHKB6A	PS	12/23/24 19:11	PS For Cu(0.0053ml m5697),Se(0.07ml mp83723),Zn(0.013ml m5819) - 10ml Sample	Kareem	OK
82	P5037-06A	MBHKC0A	PS	12/23/24 19:15	PS for Se(0.07ml mp83723)- 10ml Sample	Kareem	OK
83	P5039-07A	MBHKJ7A	PS	12/23/24 19:19	PS for Se(0.07ml mp83723)- 10ml Sample	Kareem	OK
84	P5042-01A	MBHKB0A	PS	12/23/24 19:23	PS for Se(0.07ml mp83723)- 10ml Sample	Kareem	OK
85	P5090-01	MBHM14	SAM	12/23/24 19:27		Kareem	OK
86	P5090-02	MBHM15	SAM	12/23/24 19:31		Kareem	OK
87	P5090-03	MBHM16	SAM	12/23/24 19:34		Kareem	OK
88	P5090-04	MBHM17	SAM	12/23/24 19:38		Kareem	OK
89	P5090-05	MBHM18	SAM	12/23/24 19:42		Kareem	OK
90	P5090-06	MBHM19	SAM	12/23/24 19:46		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Kareem Khairalla	Supervise On	12/27/2024 4:23:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83506
Chk Standard	MP83513,MP83514

91	P5090-07	MBHM20	SAM	12/23/24 19:50		Kareem	OK
92	P5090-08	MBHM21	SAM	12/23/24 19:54		Kareem	OK
93	P5090-09	MBHM22	SAM	12/23/24 19:58		Kareem	OK
94	P5090-10	MBHM23	SAM	12/23/24 20:01		Kareem	OK
95	P5090-11	MBHM24	SAM	12/23/24 20:05		Kareem	OK
96	P5090-12	MBHM25	SAM	12/23/24 20:09		Kareem	OK
97	P5090-13	MBHM25D	DUP	12/23/24 20:13		Kareem	OK
98	P5090-12L	MBHM25L	SD	12/23/24 20:17		Kareem	OK
99	P5090-14	MBHM25S	MS	12/23/24 20:21	MS fail for As (243.86 ppb) , Ba (1459.46 ppb), Cu (427.24 ppb), Se (177 ppb), Zn (1503.85 ppb) & Tl (Below RL)	Kareem	OK
100	CCV025	CCV025	CCV	12/23/24 20:28		Kareem	OK
101	CCB025	CCB025	CCB	12/23/24 20:32		Kareem	OK
102	P5090-15	MBHM26	SAM	12/23/24 20:36		Kareem	OK
103	P5090-16	MBHM27	SAM	12/23/24 20:40		Kareem	OK
104	P5090-17	MBHM28	SAM	12/23/24 20:44		Kareem	OK
105	P5090-18	MBHM36	SAM	12/23/24 20:48		Kareem	OK
106	P5090-19	MBHM37	SAM	12/23/24 20:51		Kareem	OK
107	PB165739BL	PBS739	MB	12/23/24 20:55		Kareem	OK
108	PB165739BS	LCS739	LCS	12/23/24 20:59		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Kareem Khairalla	Supervise On	12/27/2024 4:23:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83506
Chk Standard	MP83513,MP83514

109	P5063-01	MBHL28	SAM	12/23/24 21:03		Kareem	OK
110	P5063-02	MBHL29	SAM	12/23/24 21:07		Kareem	OK
111	P5063-03	MBHL30	SAM	12/23/24 21:11		Kareem	OK
112	P5063-04	MBHL31	SAM	12/23/24 21:15		Kareem	OK
113	P5063-05	MBHL32	SAM	12/23/24 21:19		Kareem	OK
114	P5063-06	MBHL33	SAM	12/23/24 21:23		Kareem	OK
115	P5063-07	MBHL34	SAM	12/23/24 21:26		Kareem	OK
116	P5063-08	MBHL34D	DUP	12/23/24 21:30		Kareem	OK
117	P5063-07L	MBHL34L	SD	12/23/24 21:34		Kareem	OK
118	P5063-09	MBHL34S	MS	12/23/24 21:38	MS fail for Cu (179.98 ppb), Zn (381.63 ppb) & Sb,Se,Ag (Below RL)	Kareem	OK
119	P5063-10	MBHL77	SAM	12/23/24 21:42		Kareem	OK
120	P5063-11	MBHL78	SAM	12/23/24 21:46		Kareem	OK
121	P5063-12	MBHL79	SAM	12/23/24 21:49		Kareem	OK
122	CCV026	CCV026	CCV	12/23/24 21:53		Kareem	OK
123	CCB026	CCB026	CCB	12/23/24 21:57		Kareem	OK
124	P5071-01	MBHKX5	SAM	12/23/24 22:01		Kareem	OK
125	P5071-02	MBHKX5D	DUP	12/23/24 22:05		Kareem	OK
126	P5071-01L	MBHKX5L	SD	12/23/24 22:09		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Kareem Khairalla	Supervise On	12/27/2024 4:23:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83506
Chk Standard	MP83513,MP83514

127	P5071-03	MBHKX5S	MS	12/23/24 22:13	MS fail for Cu (86.93 ppb), Se (40.18 ppb), Zn (565.58 ppb) & Sb,Ag,Tl (Below RL)	Kareem	OK
128	PB165507BL	PBS507	MB	12/23/24 22:16		Kareem	OK
129	PB165507BS	LCS507	LCS	12/23/24 22:20		Kareem	OK
130	P5084-01	MBHLR0	SAM	12/23/24 22:24		Kareem	OK
131	P5084-02	MBHLW6	SAM	12/23/24 22:28		Kareem	OK
132	P5084-03	MBHLW7	SAM	12/23/24 22:32		Kareem	OK
133	P5084-04	MBHLW8	SAM	12/23/24 22:36		Kareem	OK
134	P5084-05	MBHLW9	SAM	12/23/24 22:40	Ca high	Kareem	Dilution
135	P5084-06	MBHLX0	SAM	12/23/24 22:43	Ca high	Kareem	Dilution
136	P5084-07	MBHLX1	SAM	12/23/24 22:47	Ca high	Kareem	Dilution
137	P5084-08	MBHLX2	SAM	12/23/24 22:51	Ca high	Kareem	Dilution
138	P5084-09	MBHLX3	SAM	12/23/24 22:55		Kareem	OK
139	P5084-10	MBHLX4	SAM	12/23/24 22:59		Kareem	OK
140	P5084-11	MBHLX5	SAM	12/23/24 23:03		Kareem	OK
141	P5084-12	MBHLX6	SAM	12/23/24 23:06		Kareem	OK
142	P5084-13	MBHLX7	SAM	12/23/24 23:10		Kareem	OK
143	P5084-14	MBHLX7D	DUP	12/23/24 23:14		Kareem	OK
144	CCV027	CCV027	CCV	12/23/24 23:18		Kareem	OK
145	CCB027	CCB027	CCB	12/23/24 23:22		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Kareem Khairalla	Supervise On	12/27/2024 4:23:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83506
Chk Standard	MP83513,MP83514

146	P5084-13L	MBHLX7L	SD	12/23/24 23:26		Kareem	OK
147	P5084-15	MBHLX7S	MS	12/23/24 23:30	MS fail for Se (70.78 ppb) & Sb,Ag,Tl (Below RL)	Kareem	OK
148	P5084-16	MBHLX8	SAM	12/23/24 23:33		Kareem	OK
149	P5084-17	MBHLX9	SAM	12/23/24 23:37		Kareem	OK
150	P5084-18	MBHM32	SAM	12/23/24 23:41	Ca high	Kareem	Dilution
151	P5084-19	MBHM33	SAM	12/23/24 23:45		Kareem	OK
152	PB165713BL	PBS713	MB	12/23/24 23:49		Kareem	OK
153	PB165713BS	LCS713	LCS	12/23/24 23:53		Kareem	OK
154	P5091-01	MBHLR4	SAM	12/23/24 23:57	Ca high	Kareem	Dilution
155	P5091-02	MBHLR5	SAM	12/24/24	Ca high	Kareem	Dilution
156	P5091-03	MBHLR6	SAM	12/24/24 00:04	Ca high	Kareem	Dilution
157	P5091-04	MBHLR7	SAM	12/24/24 00:08		Kareem	OK
158	P5091-05	MBHLR8	SAM	12/24/24 00:12		Kareem	OK
159	P5091-06	MBHLR9	SAM	12/24/24 00:16		Kareem	OK
160	P5091-07	MBHLS0	SAM	12/24/24 00:20		Kareem	OK
161	P5091-08	MBHLS0D	DUP	12/24/24 00:23		Kareem	OK
162	P5091-07L	MBHLS0L	SD	12/24/24 00:27		Kareem	OK
163	P5091-09	MBHLS0S	MS	12/24/24 00:31	MS fail for Se (100.55 ppb) & Ag,Tl (Below RL)	Kareem	OK
164	P5091-10	MBHLS1	SAM	12/24/24 00:35		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Kareem Khairalla	Supervise On	12/27/2024 4:23:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83506
Chk Standard	MP83513,MP83514

165	P5091-11	MBHLS2	SAM	12/24/24 00:39	Ca high	Kareem	Dilution
166	CCV028	CCV028	CCV	12/24/24 00:42		Kareem	OK
167	CCB028	CCB028	CCB	12/24/24 00:46		Kareem	OK
168	P5091-12	MBHLS3	SAM	12/24/24 00:50	Ca high	Kareem	Dilution
169	P5091-13	MBHLS4	SAM	12/24/24 00:54	Ca high	Kareem	Dilution
170	P5091-14	MBHLS5	SAM	12/24/24 00:58		Kareem	OK
171	P5091-15	MBHLS6	SAM	12/24/24 01:02		Kareem	OK
172	P5091-16	MBHLS7	SAM	12/24/24 01:06		Kareem	OK
173	P5091-17	MBHLS8	SAM	12/24/24 01:10		Kareem	OK
174	P5091-18	MBHLS9	SAM	12/24/24 01:13	Ca high	Kareem	Dilution
175	P5091-19	MBHLT0	SAM	12/24/24 01:17	Ca high	Kareem	Dilution
176	P5091-20	MBHLT1	SAM	12/24/24 01:21	Ca high	Kareem	Dilution
177	P5091-21	MBHLT2	SAM	12/24/24 01:25		Kareem	OK
178	P5091-22	MBHLT3	SAM	12/24/24 01:29		Kareem	OK
179	PB165740BL	PBS740	MB	12/24/24 01:33		Kareem	OK
180	PB165740BS	LCS740	LCS	12/24/24 01:37		Kareem	OK
181	P5015-02	MBHK13	SAM	12/24/24 01:41		Kareem	OK
182	P5033-21	MBHKQ4	SAM	12/24/24 01:45		Kareem	OK
183	P5059-20	MBHLD7	SAM	12/24/24 01:49		Kareem	OK
184	P5059-21	MBHLD8	SAM	12/24/24 01:53		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Kareem Khairalla	Supervise On	12/27/2024 4:23:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83506
Chk Standard	MP83513,MP83514

185	P5092-20	MBHM40	SAM	12/24/24 01:57		Kareem	OK
186	P5132-21	MBHMN5	SAM	12/24/24 02:01		Kareem	OK
187	P5200-15	MBHNJ3	SAM	12/24/24 02:05		Kareem	OK
188	CCV029	CCV029	CCV	12/24/24 02:09		Kareem	OK
189	CCB029	CCB029	CCB	12/24/24 02:12		Kareem	OK
190	P5212-09	MBHNJ4	SAM	12/24/24 02:16		Kareem	OK
191	PB165669BL	PBW669	MB	12/24/24 02:20		Kareem	OK
192	PB165669BS	LCS669	LCS	12/24/24 02:24		Kareem	OK
193	P5086-01	MBHLM6	SAM	12/24/24 02:28		Kareem	OK
194	P5086-02	MBHLM7	SAM	12/24/24 02:32		Kareem	OK
195	P5086-03	MBHLM8	SAM	12/24/24 02:36		Kareem	OK
196	P5086-04	MBHLM9	SAM	12/24/24 02:40		Kareem	OK
197	P5086-05	MBHLN0	SAM	12/24/24 02:44		Kareem	OK
198	P5086-06	MBHLN1	SAM	12/24/24 02:48		Kareem	OK
199	P5086-07	MBHLN2	SAM	12/24/24 02:51		Kareem	OK
200	P5086-08	MBHLN2D	DUP	12/24/24 02:55		Kareem	OK
201	P5086-07L	MBHLN2L	SD	12/24/24 02:59		Kareem	OK
202	P5086-09	MBHLN2S	MS	12/24/24 03:03	MS fail for Be (8.0 ppb), Cu (169.15 ppb), Se (80.54 ppb), Zn (524.51 ppb) & Sb,Ag,Tl (Below RL)	Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Kareem Khairalla	Supervise On	12/27/2024 4:23:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83506
Chk Standard	MP83513,MP83514

203	P5086-10	MBHLN3	SAM	12/24/24 03:07		Kareem	OK
204	P5086-11	MBHLN4	SAM	12/24/24 03:11		Kareem	OK
205	P5086-12	MBHLN5	SAM	12/24/24 03:14		Kareem	OK
206	P5086-13	MBHLN6	SAM	12/24/24 03:18		Kareem	OK
207	P5086-14	MBHLN7	SAM	12/24/24 03:22	Ca high	Kareem	Dilution
208	P5086-15	MBHLN8	SAM	12/24/24 03:26	Ca high	Kareem	Dilution
209	P5086-16	MBHLN9	SAM	12/24/24 03:30	Ca high	Kareem	Dilution
210	CCV030	CCV030	CCV	12/24/24 03:34		Kareem	OK
211	CCB030	CCB030	CCB	12/24/24 03:37		Kareem	OK
212	P5086-17	MBHLP7	SAM	12/24/24 03:42		Kareem	OK
213	P5086-18	MBHLP8	SAM	12/24/24 03:45		Kareem	OK
214	P5086-19	MBHLP9	SAM	12/24/24 03:49		Kareem	OK
215	P5086-20	MBHLQ0	SAM	12/24/24 03:53		Kareem	OK
216	P5086-21	MBHLQ1	SAM	12/24/24 03:57		Kareem	OK
217	P5086-22	MBHLQ2	SAM	12/24/24 04:01		Kareem	OK
218	PB165725BL	PBS725	MB	12/24/24 04:04		Kareem	OK
219	PB165725BS	LCS725	LCS	12/24/24 04:08		Kareem	OK
220	P5089-01	MBHLZ4	SAM	12/24/24 04:12		Kareem	OK
221	P5089-02	MBHLZ4D	DUP	12/24/24 04:16		Kareem	OK
222	P5089-01L	MBHLZ4L	SD	12/24/24 04:20		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Kareem Khairalla	Supervise On	12/27/2024 4:23:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83506
Chk Standard	MP83513,MP83514

223	P5089-03	MBHLZ4S	MS	12/24/24 04:24	MS fail for As (201.58 ppb), Cu (299.10 ppb),Se (72.64 ppb), Zn (952.81 ppb) & Sb,Ag,Tl (Below RL)	Kareem	OK
224	P5089-04	MBHLZ5	SAM	12/24/24 04:28		Kareem	OK
225	P5089-05	MBHLZ6	SAM	12/24/24 04:32		Kareem	OK
226	P5089-06	MBHLZ7	SAM	12/24/24 04:35		Kareem	OK
227	P5089-07	MBHLZ8	SAM	12/24/24 04:39		Kareem	OK
228	P5089-08	MBHLZ9	SAM	12/24/24 04:43		Kareem	OK
229	P5089-09	MBHM00	SAM	12/24/24 04:47		Kareem	OK
230	P5089-10	MBHM01	SAM	12/24/24 04:51		Kareem	OK
231	P5089-11	MBHM02	SAM	12/24/24 04:55		Kareem	OK
232	CCV011	CCV011	CCV	12/24/24 04:58		Kareem	OK
233	CCB011	CCB011	CCB	12/24/24 05:02		Kareem	OK
234	P5089-12	MBHM03	SAM	12/24/24 05:06		Kareem	OK
235	P5089-13	MBHM04	SAM	12/24/24 05:10		Kareem	OK
236	P5089-14	MBHM05	SAM	12/24/24 05:14		Kareem	OK
237	P5089-15	MBHM06	SAM	12/24/24 05:17		Kareem	OK
238	P5089-16	MBHM07	SAM	12/24/24 05:21		Kareem	OK
239	P5089-17	MBHM08	SAM	12/24/24 05:25		Kareem	OK
240	P5089-18	MBHM09	SAM	12/24/24 05:29		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Kareem Khairalla	Supervise On	12/27/2024 4:23:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83506
Chk Standard	MP83513,MP83514

241	P5089-19	MBHM10	SAM	12/24/24 05:33		Kareem	OK
242	P5089-20	MBHM11	SAM	12/24/24 05:37		Kareem	OK
243	P5089-21	MBHM12	SAM	12/24/24 05:40		Kareem	OK
244	P5089-22	MBHM13	SAM	12/24/24 05:44		Kareem	OK
245	PB165727BL	PBS727	MB	12/24/24 05:48		Kareem	OK
246	PB165727BS	LCS727	LCS	12/24/24 05:52		Kareem	OK
247	P5169-01	MJNLH1	SAM	12/24/24 05:56	Not use	Kareem	Not Ok
248	P5169-02	MJNLH2	SAM	12/24/24 06:00	Not use	Kareem	Not Ok
249	P5169-03	MJNLH5	SAM	12/24/24 06:04	Not use	Kareem	Not Ok
250	P5169-04	MJNLH4	SAM	12/24/24 06:08	Not use	Kareem	Not Ok
251	P5169-05	MJNLH4D	DUP	12/24/24 06:12	Not use	Kareem	Not Ok
252	P5169-04L	MJNLH4L	SD	12/24/24 06:15	Not use	Kareem	Not Ok
253	CCV012	CCV012	CCV	12/24/24 06:19		Kareem	OK
254	CCB012	CCB012	CCB	12/24/24 06:23		Kareem	OK
255	P5169-06	MJNLH4S	MS	12/24/24 06:27	Not use	Kareem	Not Ok
256	PB165673BL	PBW673	MB	12/24/24 06:35	Not use	Kareem	Not Ok
257	PB165673BS	LCS673	LCS	12/24/24 06:39	Not use	Kareem	Not Ok
258	P5081-01	MBHLG0	SAM	12/24/24 06:43		Kareem	OK
259	P5081-02	MBHLG1	SAM	12/24/24 06:47	Ca high	Kareem	Dilution
260	P5081-03	MBHLG2	SAM	12/24/24 06:51	Ca high	Kareem	Dilution

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Kareem Khairalla	Supervise On	12/27/2024 4:23:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83506
Chk Standard	MP83513,MP83514

261	P5081-04	MBHLG3	SAM	12/24/24 06:54		Kareem	OK
262	P5081-05	MBHLG4	SAM	12/24/24 06:59		Kareem	OK
263	P5081-06	MBHLG4D	DUP	12/24/24 07:02		Kareem	OK
264	P5081-05L	MBHLG4L	SD	12/24/24 07:06		Kareem	OK
265	P5081-07	MBHLG4S	MS	12/24/24 07:10	MS fail for Be (7.17 ppb) , Cu (275.06 ppb), Se (59.69 ppb), V (178.80 ppb), Zn (1028.26) & Sb,Ag,Tl (Below RL)	Kareem	OK
266	P5081-08	MBHLG5	SAM	12/24/24 07:14		Kareem	OK
267	P5081-09	MBHLG6	SAM	12/24/24 07:18		Kareem	OK
268	P5081-10	MBHLJ1	SAM	12/24/24 07:22		Kareem	OK
269	P5081-11	MBHLJ2	SAM	12/24/24 07:25		Kareem	OK
270	P5081-12	MBHLJ3	SAM	12/24/24 07:29		Kareem	OK
271	P5081-13	MBHLJ4	SAM	12/24/24 07:33		Kareem	OK
272	P5081-14	MBHLJ5	SAM	12/24/24 07:37		Kareem	OK
273	P5081-15	MBHLJ6	SAM	12/24/24 07:41		Kareem	OK
274	CCV013	CCV013	CCV	12/24/24 07:45		Kareem	OK
275	CCB013	CCB013	CCB	12/24/24 07:48		Kareem	OK
276	P5081-16	MBHLJ7	SAM	12/24/24 07:52		Kareem	OK
277	P5081-17	MBHLK5	SAM	12/24/24 07:56		Kareem	OK
278	P5081-18	MBHLK6	SAM	12/24/24 08:00		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Kareem Khairalla	Supervise On	12/27/2024 4:23:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83506
Chk Standard	MP83513,MP83514

279	P5081-19	MBHLK7	SAM	12/24/24 08:04		Kareem	OK
280	P5081-20	MBHLK8	SAM	12/24/24 08:08		Kareem	OK
281	P5081-21	MBHLK9	SAM	12/24/24 08:11		Kareem	OK
282	P5081-22	MBHLL0	SAM	12/24/24 08:15		Kareem	OK
283	PB165694BL	PBS694	MB	12/24/24 08:19		Kareem	OK
284	PB165694BS	LCS694	LCS	12/24/24 08:23		Kareem	OK
285	P5083-01	MBHLJ8	SAM	12/24/24 08:27		Kareem	OK
286	P5083-02	MBHLJ9	SAM	12/24/24 08:31		Kareem	OK
287	P5083-03	MBHLK0	SAM	12/24/24 08:35		Kareem	OK
288	P5083-04	MBHLK0D	DUP	12/24/24 08:39		Kareem	OK
289	P5083-03L	MBHLK0L	SD	12/24/24 08:42		Kareem	OK
290	P5083-05	MBHLK0S	MS	12/24/24 08:46	MS fail for Se (74.03 ppb), Zn (183 ppb) & Ag,Tl (Below RL)	Kareem	OK
291	P5083-06	MBHLK1	SAM	12/24/24 08:50		Kareem	OK
292	P5083-07	MBHLK2	SAM	12/24/24 08:54		Kareem	OK
293	P5083-08	MBHLK3	SAM	12/24/24 08:58		Kareem	OK
294	P5083-09	MBHLK4	SAM	12/24/24 09:02		Kareem	OK
295	CCV014	CCV014	CCV	12/24/24 09:05		Kareem	OK
296	CCB014	CCB014	CCB	12/24/24 09:09		Kareem	OK
297	P5083-10	MBHLL9	SAM	12/24/24 09:13		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB134069

Review By	Sarabjit Jaswal	Review On	12/25/2024 11:40:50 PM
Supervise By	Kareem Khairalla	Supervise On	12/27/2024 4:23:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	MP83506
Chk Standard	MP83513,MP83514

298	P5083-11	MBHLM0	SAM	12/24/24 09:17		Kareem	OK
299	P5083-12	MBHLM1	SAM	12/24/24 09:21		Kareem	OK
300	P5083-13	MBHLM2	SAM	12/24/24 09:25		Kareem	OK
301	P5083-14	MBHLM3	SAM	12/24/24 09:28	Ca high	Kareem	Dilution
302	P5083-15	MBHLM4	SAM	12/24/24 09:32	Ca high	Kareem	Dilution
303	P5083-16	MBHLM5	SAM	12/24/24 09:36	Ca high	Kareem	Dilution
304	P5083-17	MBHLQ4	SAM	12/24/24 09:40		Kareem	OK
305	P5083-18	MBHLQ5	SAM	12/24/24 09:44		Kareem	OK
306	P5083-19	MBHLQ6	SAM	12/24/24 09:48		Kareem	OK
307	P5083-20	MBHLQ7	SAM	12/24/24 09:52		Kareem	OK
308	P5083-21	MBHLQ8	SAM	12/24/24 09:55		Kareem	OK
309	P5083-22	MBHLQ9	SAM	12/24/24 09:59		Kareem	OK
310	PB165632BL	PBS632	MB	12/24/24 10:03	Not use	Kareem	Not Ok
311	PB165632BS	LCS632	LCS	12/24/24 10:07	Not use	Kareem	Not Ok
312	CCV015	CCV015	CCV	12/24/24 10:11		Kareem	OK
313	CCB015	CCB015	CCB	12/24/24 10:15		Kareem	OK