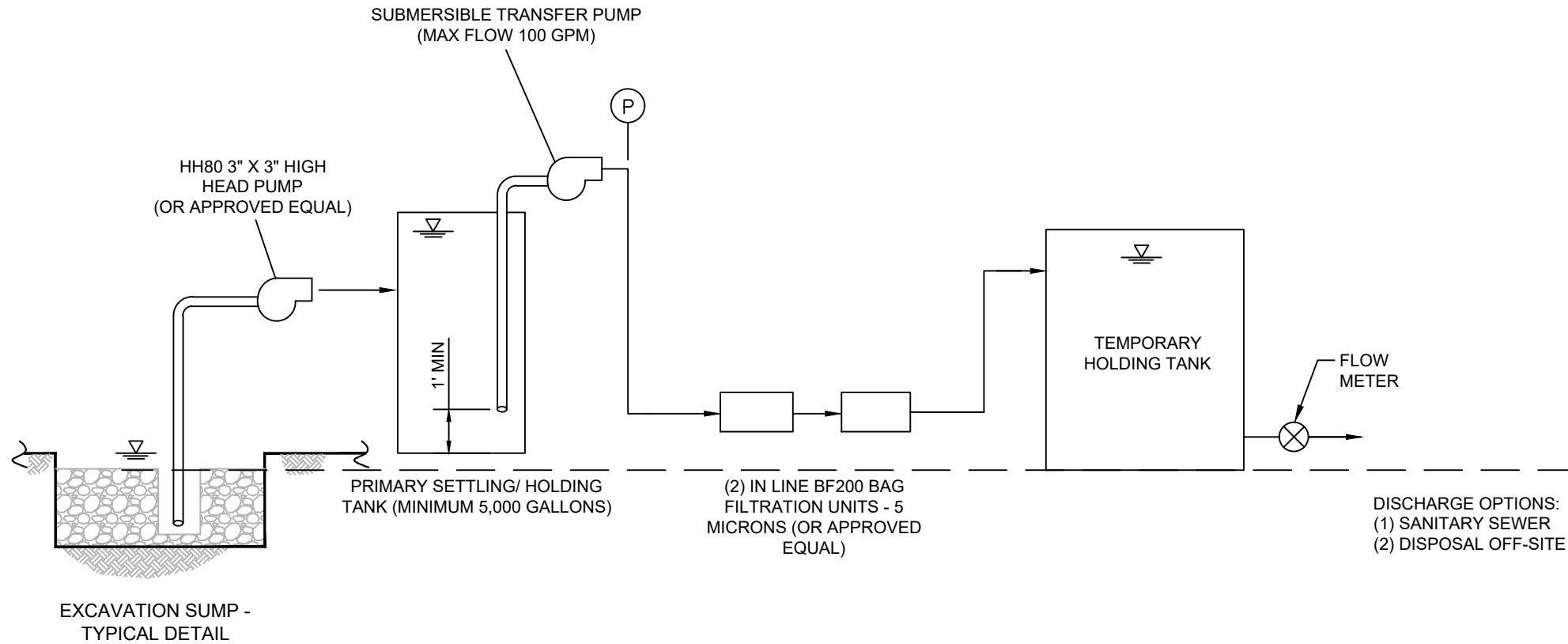

Appendix L:

Dewatering Design

N:\ACAD\12060\CAD\12060.DWG.PFD.DWG 05/23/25 10:38:23AM, alan.ward, LAYOUT: WATER-2



CONSTRUCTION DEWATERING PLAN NOTES:

- 1) THE DEWATERING SYSTEM IS NECESSARY FOR THE MANAGEMENT OF ACCUMULATED STORMWATER WITHIN THE REMEDIAL EXCAVATION AT THE SITE. GROUNDWATER IS NOT EXPECTED TO BE ENCOUNTERED DURING CONSTRUCTION.
- 2) IT WILL BE NECESSARY TO DEWATER THE SITE FOR INSTALLATION OF THE SOE AND COMPLETION OF THE EXCAVATION. THIS MAY BE ACCOMPLISHED USING DEWATERING SUMPS INSTALLED WITHIN THE EXCAVATION.
- 3) BASED ON LIMITED AVAILABLE GROUNDWATER DATA, THE GROUNDWATER IS IMPACTED WITH VOLATILE ORGANIC COMPOUNDS (VOCs), SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs), POLYCHLORINATED BIPHENYLS (PCBs) AND METALS ABOVE NYSDEC TECHNICAL OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 GA AMBIENT WATER QUALITY STANDARDS (AQWS). HOWEVER, IT IS NOT EXPECTED THAT GROUNDWATER WILL BE ENCOUNTERED AND MANAGED BY THE DEWATERING SYSTEM.
- 4) TREATMENT OF THE STORMWATER, PRIOR TO OFF-SITE DISCHARGE, WILL BE ACCOMPLISHED USING SETTLING AND FILTRATION. OFF-SITE DISCHARGE WILL BE TO THE SANITARY SEWER. ALL APPROPRIATE PERMITS WILL BE OBTAINED PRIOR TO OFF-SITE DISCHARGE, IF NEEDED.
- 5) CONSTRUCTION DEWATERING IS EXPECTED TO BE REQUIRED FOR APPROXIMATELY 3-MONTHS.
- 6) PERIODIC SAMPLING WILL BE CONDUCTED TO ENSURE THE DISCHARGE REQUIREMENTS ARE MET. SESI CONSULTING ENGINEERS WILL COLLECT EFFLUENT SAMPLES PRIOR TO DISCHARGE. ANALYSIS AND FREQUENCY OF SAMPLE COLLECTION WILL BE PROVIDED BY VILLAGE OF OSSINING UPON PERMIT APPROVAL.
- 7) A TEMPORARY HOLDING TANK WILL ACT AS A BUFFER FOR STORAGE TO MAINTAIN COMPLIANCE WITH THE DAILY, MONTHLY, AND TOTAL DISCHARGE ALLOWANCES PER THE COUNTY OF WESTCHESTER.
- 8) A FLOW METER AND TOTAL VOLUME LOGGER WILL BE INSTALLED PRIOR TO DISCHARGE INTO THE SANITARY SEWER TO REPORT THE TOTAL DISCHARGE INTO THE SANITARY SEWER.
- 9) ALL EQUIPMENT TO BE CLEANED AND DEMOBILIZED AT THE COMPLETION OF DEWATERING ACTIVITIES AND SLUDGE FROM THE SYSTEM CLEANOUT TO BE SAMPLED AND DISPOSED OF AT APPROVED FACILITIES.

LEGEND:

- (1) (P) = PRESSURE GAUGE
- (2) (X) = VALVE



ANTHONY RAPOSO, P.E.
PROFESSIONAL ENGINEER
N.Y. LIC. NO. 105387

NYS Education Law
Unauthorized alterations or additions to this plan are a violation of
section 7209 (2) of the New York State Education Law. Copies of this
map not having the seal of the engineer shall not be valid.

© SESI CONSULTING ENGINEERS 2025
This drawing and all information contained here on is proprietary
information of SESI CONSULTING ENGINEERS and may not be copied or
reproduced, either in whole or in part, by any method, without written
permission of SESI CONSULTING ENGINEERS.

project:
136-140 CROTON AVENUE
OSSINING, NEW YORK

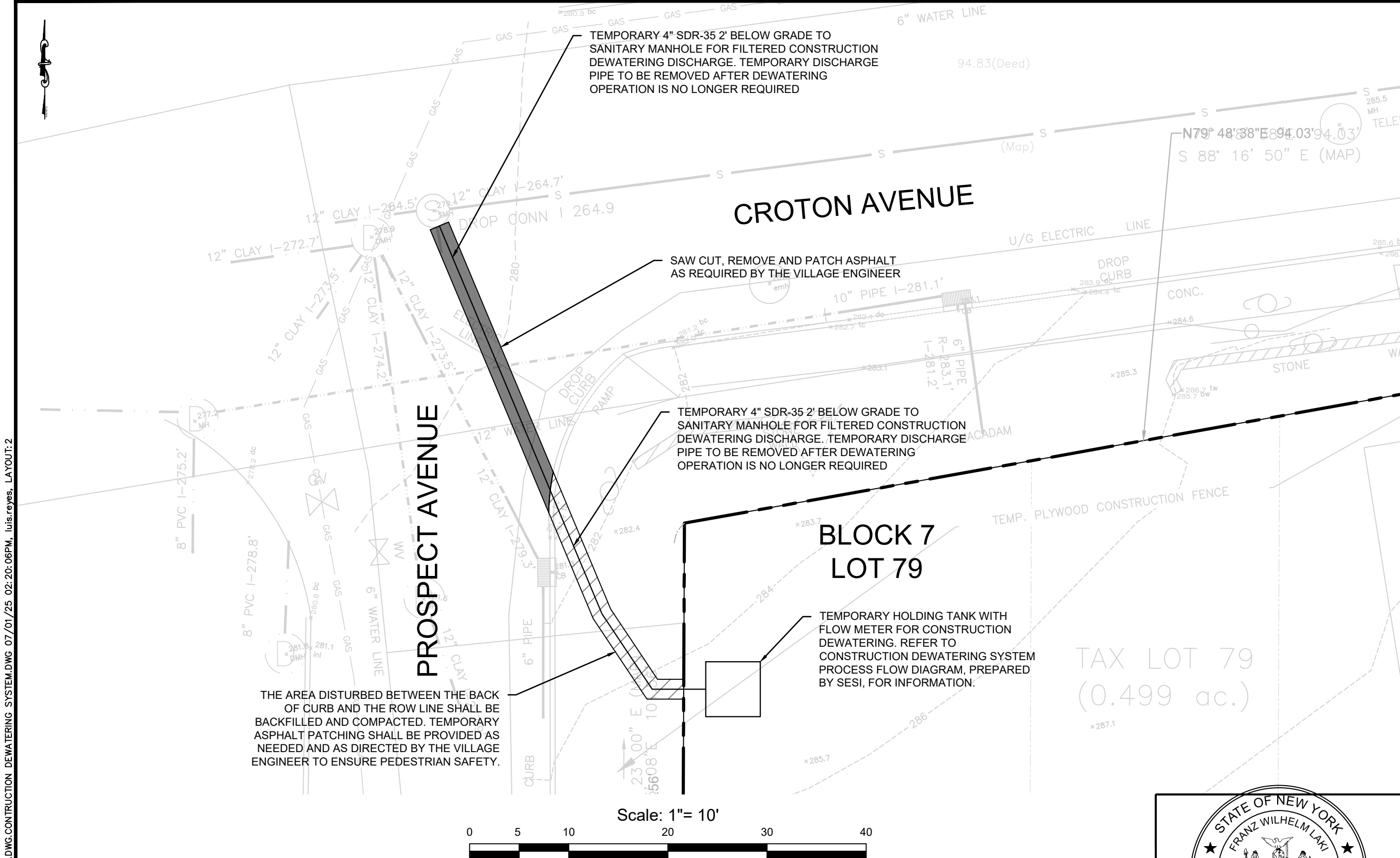
title:
CONSTRUCTION DEWATERING SYSTEM
PROCESS FLOW DIAGRAM

job no: 12060
drawing no:

FIGURE-1

Cert of Auth #24GA27934700
SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL
959 ROUTE 46E, 3RD FLOOR, PARSIPPANY, NJ 07054 PH: 973.808.9050

dwg by: AW
chk by: AR
scale: NTS
date: 05/23/2025



Appendix M:

Dewatering Data

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

SESI Consulting Engineers

Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

12060

SGS Job Number: JE12386

Sampling Date: 06/02/25

Report to:

anthony.raposo@sesi.org
sharon.cashel@sesi.org

ATTN: Distribution4

Total number of pages in report: 17



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Louie Devletter 732-329-0200

Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

Sample Summary

SESI Consulting Engineers

Job No: JE12386

Ossining Investigation, 136-140 Croton Avenue, Ossining, NY
Project No: 12060

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
---------------	----------------	---------	----------	------------------	------------------

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

JE12386-1	06/02/25	09:50 TF	06/02/25	AQ	Ground Water	GW-TS
-----------	----------	----------	----------	----	--------------	-------

JE12386-1A	06/02/25	09:50 TF	06/02/25	AQ	Ground Water	GW-TS
------------	----------	----------	----------	----	--------------	-------

Report of Analysis

Page 1 of 2

Client Sample ID:	GW-TS	Date Sampled:	06/02/25
Lab Sample ID:	JE12386-1	Date Received:	06/02/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5A16179.D	1	06/05/25 12:17	ED	n/a	n/a	V5A450
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	78.1	10	3.1	ug/l	
71-43-2	Benzene	1.3	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	16.5	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	0.59	1.0	0.50	ug/l	J
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	3.5	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	GW-TS	Date Sampled:	06/02/25
Lab Sample ID:	JE12386-1	Date Received:	06/02/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate ^a	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	2.0	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	13.8	1.0	0.78	ug/l	
95-47-6	o-Xylene	8.2	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	22.0	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	96%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	C3 alkyl benzene	6.96	5.1	ug/l	J
95-63-6	Benzene, 1,2,4-trimethyl-	7.28	7.1	ug/l	JN
	Total TIC, Volatile		12.2	ug/l	J

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	GW-TS	Date Sampled:	06/02/25
Lab Sample ID:	JE12386-1	Date Received:	06/02/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P521275.D	1	06/05/25 13:59	AO	06/04/25 12:00	OP64094	E6P4414
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol ^a	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol ^a	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	4.0	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol ^a	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol ^a	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	0.23	1.0	0.20	ug/l	J
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate ^a	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline ^b	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	0.37	1.0	0.23	ug/l	J

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS	Date Sampled:	06/02/25
Lab Sample ID:	JE12386-1	Date Received:	06/02/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether ^a	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene ^a	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene ^a	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine ^a	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	67.3	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	0.37	1.0	0.17	ug/l	J
86-73-7	Fluorene	0.45	1.0	0.17	ug/l	J
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene ^a	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	1.8	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline ^a	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	1.7	1.0	0.23	ug/l	
98-95-3	Nitrobenzene ^a	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	0.74	1.0	0.18	ug/l	J
129-00-0	Pyrene	0.65	1.0	0.22	ug/l	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		10-71%

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS	Date Sampled:	06/02/25
Lab Sample ID:	JE12386-1	Date Received:	06/02/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	25%		10-58%
118-79-6	2,4,6-Tribromophenol	108%		22-144%
4165-60-0	Nitrobenzene-d5	88%		28-118%
321-60-8	2-Fluorobiphenyl	91%		34-116%
1718-51-0	Terphenyl-d14	91%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
103-82-2	Benzeneacetic acid	5.75	14	ug/l	JN
	Unknown acid	6.40	8.2	ug/l	J
	Unknown	7.59	40	ug/l	J
	Alkane	7.61	7.7	ug/l	J
	Unknown phthalate	7.90	13	ug/l	J
	Alkane	8.31	10	ug/l	J
	Unknown	8.45	11	ug/l	J
	Alkane	8.57	9.2	ug/l	J
	Alkane	8.67	8	ug/l	J
	Unknown	9.12	8.6	ug/l	J
	Unknown	9.46	11	ug/l	J
	2H-1-Benzopyran--one, -(diethylami	9.68	26	ug/l	J
	Alkane	9.79	7.4	ug/l	J
	Unknown	9.87	53	ug/l	J
	Unknown	10.02	12	ug/l	J
	Unknown	10.42	7.4	ug/l	J
	Unknown	10.56	6.8	ug/l	J
	Unknown	10.78	17	ug/l	J
	Unknown	10.97	7.3	ug/l	J
	Unknown phthalate	11.02	8.4	ug/l	J
	Unknown phthalate	11.11	29	ug/l	J
	Unknown	11.18	7.9	ug/l	J
	Unknown phthalate	11.37	39	ug/l	J
	Unknown	12.10	13	ug/l	J
	Total TIC, Semi-Volatile		374.9	ug/l	J

(a) Associated CCV outside of control limits high, sample was ND.

(b) Associated CCV outside of control limits low. Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS						
Lab Sample ID:	JE12386-1					Date Sampled:	06/02/25
Matrix:	AQ - Ground Water					Date Received:	06/02/25
Method:	SW846 8270E BY SIM SW846 3510C					Percent Solids:	n/a
Project:	Ossining Investigation, 136-140 Croton Avenue, Ossining, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M130740.D	1	06/05/25 14:22	AO	06/04/25 12:00	OP64094A	E4M6136
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	96%		23-127%
321-60-8	2-Fluorobiphenyl	84%		23-114%
1718-51-0	Terphenyl-d14	79%		10-121%

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS	Date Sampled:	06/02/25
Lab Sample ID:	JE12386-1	Date Received:	06/02/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8081B SW846 3510C		
Project:	Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK28578.D	1	06/06/25 03:21	CP	06/05/25 09:00	OP64133	GRK842
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0050	0.0026	ug/l	
319-84-6	alpha-BHC	ND	0.0050	0.0026	ug/l	
319-85-7	beta-BHC	ND	0.0050	0.0040	ug/l	
319-86-8	delta-BHC	ND	0.0050	0.0033	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0050	0.0030	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0050	0.0025	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0050	0.0021	ug/l	
60-57-1	Dieldrin	ND	0.0050	0.0038	ug/l	
72-54-8	4,4' -DDD	ND	0.0050	0.0029	ug/l	
72-55-9	4,4' -DDE	ND	0.0050	0.0025	ug/l	
50-29-3	4,4' -DDT	ND	0.0050	0.0034	ug/l	
72-20-8	Endrin	ND	0.0050	0.0030	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0050	0.0027	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0050	0.0034	ug/l	
53494-70-5	Endrin ketone	ND	0.0050	0.0031	ug/l	
959-98-8	Endosulfan-I	ND	0.0050	0.0026	ug/l	
33213-65-9	Endosulfan-II	ND	0.0050	0.0024	ug/l	
76-44-8	Heptachlor ^a	0.011	0.0050	0.0022	ug/l	
1024-57-3	Heptachlor epoxide ^a	0.0053	0.0050	0.0030	ug/l	
72-43-5	Methoxychlor	ND	0.010	0.0034	ug/l	
8001-35-2	Toxaphene	ND	0.13	0.082	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	58%		10-175%
877-09-8	Tetrachloro-m-xylene	56%		10-175%
2051-24-3	Decachlorobiphenyl	21%		10-128%
2051-24-3	Decachlorobiphenyl	21%		10-128%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS						
Lab Sample ID:	JE12386-1					Date Sampled:	06/02/25
Matrix:	AQ - Ground Water					Date Received:	06/02/25
Method:	SW846 8082A SW846 3510C					Percent Solids:	n/a
Project:	Ossining Investigation, 136-140 Croton Avenue, Ossining, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2521884.D	1	06/07/25 03:52	CP	06/05/25 09:00	OP64134	GXX8868
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.25	0.098	ug/l	
11104-28-2	Aroclor 1221	ND	0.25	0.21	ug/l	
11141-16-5	Aroclor 1232	ND	0.25	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.25	0.23	ug/l	
12672-29-6	Aroclor 1248	ND	0.25	0.22	ug/l	
11097-69-1	Aroclor 1254	ND	0.25	0.21	ug/l	
11096-82-5	Aroclor 1260	ND	0.25	0.21	ug/l	
11100-14-4	Aroclor 1268	ND	0.25	0.087	ug/l	
37324-23-5	Aroclor 1262	ND	0.25	0.23	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	46%		10-169%
877-09-8	Tetrachloro-m-xylene	43%		10-169%
2051-24-3	Decachlorobiphenyl	27%		10-130%
2051-24-3	Decachlorobiphenyl	24%		10-130%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS	Date Sampled:	06/02/25
Lab Sample ID:	JE12386-1	Date Received:	06/02/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Antimony	< 6.0	6.0	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Arsenic	< 3.0	3.0	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Barium	< 200	200	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Beryllium	< 1.0	1.0	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Cadmium	3.9	3.0	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Calcium	56300	5000	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Chromium	329	10	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Cobalt	< 50	50	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Copper	< 10	10	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Iron	288	100	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Lead	< 3.0	3.0	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Magnesium	< 5000	5000	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Manganese	< 15	15	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Mercury	< 0.20	0.20	ug/l	1	06/04/25	06/04/25 CM	SW846 7470A ²	SW846 7470A ⁴
Nickel	< 10	10	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Potassium	48000	10000	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Selenium	< 10	10	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Silver	< 10	10	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Sodium	52600	10000	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Thallium	< 10	10	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Vanadium	< 50	50	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Zinc	25.3	20	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³

(1) Instrument QC Batch: MA58656

(2) Instrument QC Batch: MA58659

(3) Prep QC Batch: MP54857

(4) Prep QC Batch: MP54894

RL = Reporting Limit

Report of Analysis

Client Sample ID:	GW-TS	Date Sampled:	06/02/25
Lab Sample ID:	JE12386-1	Date Received:	06/02/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	06/06/25 14:32	JD	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	GW-TS		
Lab Sample ID:	JE12386-1A	Date Sampled:	06/02/25
Matrix:	AQ - Ground Water	Date Received:	06/02/25
Method:	EPA 1633 EPA 1633	Percent Solids:	n/a
Project:	Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1Q26737.D	1	06/05/25 17:03	AM	06/04/25 09:00	OP64117	T1Q378
Run #2 ^a	4Q8853.D	1	06/09/25 18:29	MH	06/07/25 19:00	OP64223	T4Q159

	Initial Volume	Final Volume
Run #1	505 ml	5.0 ml
Run #2	56.0 ml	5.0 ml

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
---------	----------	--------	----	-----	-------	---

PERFLUOROALKYL CARBOXYLIC ACIDS

375-22-4	Perfluorobutanoic acid	ND	0.0079	0.00092	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0099	0.0040	0.00072	ug/l	
307-24-4	Perfluorohexanoic acid	0.0061	0.0020	0.00029	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0037	0.0020	0.00050	ug/l	
335-67-1	Perfluorooctanoic acid	0.0090	0.0020	0.00074	ug/l	
375-95-1	Perfluorononanoic acid	0.0017	0.0020	0.00040	ug/l	J
335-76-2	Perfluorodecanoic acid	0.0010	0.0020	0.00061	ug/l	J
2058-94-8	Perfluoroundecanoic acid	ND	0.0020	0.00054	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0020	0.00076	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0020	0.00078	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0020	0.00075	ug/l	

PERFLUOROALKYL SULFONIC ACIDS

375-73-5	Perfluorobutanesulfonic acid	0.0033	0.0020	0.00065	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.0019	0.0020	0.0011	ug/l	J
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0020	0.00097	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0115	0.0020	0.00043	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0020	0.0011	ug/l	

FLUOROTELOMER SULFONIC ACIDS

27619-97-2	6:2 Fluorotelomer sulfonate	0.0024	0.0079	0.00090	ug/l	J
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0079	0.0014	ug/l	

PERFLUOROOCTANE SULFONAMIDES

754-91-6	PFOSA	ND	0.0020	0.00068	ug/l	
----------	-------	----	--------	---------	------	--

PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS

2355-31-9	MeFOSAA	ND	0.0020	0.00050	ug/l	
2991-50-6	EtFOSAA	ND	0.0020	0.00090	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID: GW-TS		Date Sampled: 06/02/25
Lab Sample ID: JE12386-1A		Date Received: 06/02/25
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: EPA 1633 EPA 1633		
Project: Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	3% ^b	88%	5-130%
	13C5-PFPeA	14% ^b	86%	40-130%
	13C5-PFHxA	88%	87%	40-130%
	13C4-PFHpA	116%	92%	40-130%
	13C8-PFOA	101%	85%	40-130%
	13C9-PFNA	104%	88%	40-130%
	13C6-PFDA	111%	89%	40-130%
	13C7-PFUnDA	114%	90%	30-130%
	13C2-PFDoDA	109%	75%	10-130%
	13C2-PFTeDA	61%	60%	10-130%
	13C3-PFBS	90%	93%	40-135%
	13C3-PFHxS	103%	90%	40-130%
	13C8-PFOS	88%	89%	40-130%
	13C8-FOSA	89%	92%	40-130%
	d3-MeFOSAA	121%	88%	40-170%
	d5-EtFOSAA	111%	86%	25-135%
	13C2-6:2FTS	224% ^b	101%	40-200%
	13C2-8:2FTS	170%	102%	40-300%

(a) Confirmation run.

(b) Outside control limits.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



Page of

Page of 2

FED-EX Tracking #

Bottle Order Control #	
------------------------	--

~~TEL: 702-222-0600~~

SGS Job #

EHSA-QAC-0023-06 Rev.Date:9/24/2024

~~CONFIDENTIAL~~

17-50

Page 1 of 3

SGS Sample Receipt Summary

Job Number: je12386

Client: SESI CONSULTING ENGINEERS

Project: 136 CROTON AVENUE, OSSINING, NY

Date / Time Received: 6/2/2025 3:30:00 PM

Delivery Method: SGS COURIER

Airbill #s:

Cooler Temps (Raw Measured) °C: Cooler 1: (3.3); Cooler 2: (4.3);

Cooler Temps (Corrected) °C: Cooler 1: (3.3); Cooler 2: (4.3);

Cooler Security

Y or N

1. Custody Seals Present: ☒ ☐
2. Custody Seals Intact: ☒ ☐

3. COC Present: ☒ ☐
4. Smpl Dates/Time OK ☒ ☐

Cooler Temperature

Y or N

1. Temp criteria achieved: ☒ ☐
2. Cooler temp verification: IR-50
3. Cooler media: Ice (Bag)
4. No. Coolers: 2

Quality Control Preservation

Y or N N/A

1. Trip Blank present / cooler: ☐ ☒ ☐
2. Trip Blank listed on COC: ☐ ☒ ☐
3. Samples preserved properly: ☒ ☐
4. VOCs headspace free: ☒ ☐ ☐

Sample Integrity - Documentation

Y or N

1. Sample labels present on bottles: ☒ ☐
2. Container labeling complete: ☒ ☐
3. Sample container label / COC agree: ☒ ☐

Sample Integrity - Condition

Y or N

1. Sample recvd within HT: ☒ ☐
2. All containers accounted for: ☒ ☐
3. Condition of sample: Intact

Sample Integrity - Instructions

Y or N N/A

1. Analysis requested is clear: ☒ ☐
2. Bottles received for unspecified tests: ☐ ☒
3. Sufficient volume recvd for analysis: ☒ ☐
4. Compositing instructions clear: ☐ ☐ ☒
5. Filtering instructions clear: ☐ ☐ ☒

Test Strip Lot #s:

pH 1-12: 231619

pH 12+: 203117A

Other: (Specify)

Comments

- 1). Please provide the requested analyses.
Collection date on COC 3/2/25, should be 6/2/25?

JE12386: Chain of Custody

Page 2 of 3

Responded to by: Louie DeVletter

Response Date: 6/3/2025

Analyze -1 for XTCL20+, B8270SIMDIOX, LCID1633NY21. Collection date 6/2/2025.

JE12386: Chain of Custody
Page 3 of 3

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

SESI Consulting Engineers

12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

12060

SGS Job Number: JE13550

Sampling Date: 06/18/25

Report to:

anthony.raposo@sesi.org
sharon.cashel@sesi.org

ATTN: Distribution4

Total number of pages in report: 17



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Louie Devletter 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

Sample Summary

SESI Consulting Engineers

Job No: JE13550

12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY
Project No: 12060

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
---------------	----------------	---------	----------	-------------	------	------------------

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

JE13550-1	06/18/25	15:51	TF	06/19/25	AQ	Effluent	GW-TS-EFFLUENT
JE13550-1A	06/18/25	15:51	TF	06/19/25	AQ	Effluent	GW-TS-EFFLUENT

Report of Analysis

Page 1 of 2

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	06/18/25
Lab Sample ID:	JE13550-1	Date Received:	06/19/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2N23498.D	1	06/20/25 19:22	ED	n/a	n/a	V2N568
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	146	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	249	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane ^b	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	06/18/25
Lab Sample ID:	JE13550-1	Date Received:	06/19/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate ^a	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane ^c	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^a	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	99%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
109-99-9	Furan, tetrahydro-	4.24	32	ug/l	JN
	Total TIC, Volatile		32	ug/l	J

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

(b) Associated CCV outside of control limits high, sample was ND.

(c) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	GW-TS-EFFLUENT	
Lab Sample ID:	JE13550-1	Date Sampled: 06/18/25
Matrix:	AQ - Effluent	Date Received: 06/19/25
Method:	SW846 8270E SW846 3510C	Percent Solids: n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F226776.D	1	06/23/25 19:38	AO	06/20/25 18:53	OP64664	EF10073
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol ^a	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol ^a	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol ^a	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine ^a	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate ^a	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline ^b	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	06/18/25
Lab Sample ID:	JE13550-1	Date Received:	06/19/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene ^a	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene ^a	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene ^a	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%		10-71%

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	06/18/25
Lab Sample ID:	JE13550-1	Date Received:	06/19/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	20%		10-58%
118-79-6	2,4,6-Tribromophenol	112%		22-144%
4165-60-0	Nitrobenzene-d5	60%		28-118%
321-60-8	2-Fluorobiphenyl	57%		34-116%
1718-51-0	Terphenyl-d14	80%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Unknown	5.10	40	ug/l	J
	Unknown	6.12	6.5	ug/l	J
	Unknown	6.19	5.9	ug/l	J
	Internal standard added for SIM test	6.24	4.4	ug/l	J
	Internal standard added for SIM test	7.57	4.7	ug/l	J
	Internal standard added for SIM test	10.31	4.6	ug/l	J
	Unknown	11.71	6.9	ug/l	J
	Internal standard added for SIM test	14.52	4	ug/l	J
	Total TIC, Semi-Volatile		59.3	ug/l	J

(a) Associated CCV outside of control limits high, sample was ND.

(b) Associated BS/BSD outside control limits biased low.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT				
Lab Sample ID:	JE13550-1			Date Sampled:	06/18/25
Matrix:	AQ - Effluent			Date Received:	06/19/25
Method:	SW846 8270E BY SIM SW846 3510C			Percent Solids:	n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR12503.D	1	06/23/25 20:31	TL	06/20/25 18:53	OP64664A	ECR601
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane ^a	ND	0.10	0.050	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
4165-60-0	Nitrobenzene-d5	63%		23-127%		
321-60-8	2-Fluorobiphenyl	52%		23-114%		
1718-51-0	Terphenyl-d14	71%		10-121%		

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT			Date Sampled:	06/18/25
Lab Sample ID:	JE13550-1			Date Received:	06/19/25
Matrix:	AQ - Effluent			Percent Solids:	n/a
Method:	SW846 8081B SW846 3510C				
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G210113.D	1	06/24/25 01:01	CP	06/23/25 08:30	OP64661	G1G7599
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0050	0.0026	ug/l	
319-84-6	alpha-BHC	ND	0.0050	0.0026	ug/l	
319-85-7	beta-BHC	ND	0.0050	0.0040	ug/l	
319-86-8	delta-BHC	ND	0.0050	0.0033	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0050	0.0030	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0050	0.0025	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0050	0.0021	ug/l	
60-57-1	Dieldrin	ND	0.0050	0.0038	ug/l	
72-54-8	4,4' -DDD	ND	0.0050	0.0029	ug/l	
72-55-9	4,4' -DDE	ND	0.0050	0.0025	ug/l	
50-29-3	4,4' -DDT	ND	0.0050	0.0034	ug/l	
72-20-8	Endrin	ND	0.0050	0.0030	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0050	0.0027	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0050	0.0034	ug/l	
53494-70-5	Endrin ketone	ND	0.0050	0.0031	ug/l	
959-98-8	Endosulfan-I	ND	0.0050	0.0026	ug/l	
33213-65-9	Endosulfan-II	ND	0.0050	0.0024	ug/l	
76-44-8	Heptachlor	ND	0.0050	0.0022	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0050	0.0030	ug/l	
72-43-5	Methoxychlor	ND	0.010	0.0034	ug/l	
8001-35-2	Toxaphene	ND	0.13	0.082	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	107%		10-175%
877-09-8	Tetrachloro-m-xylene	103%		10-175%
2051-24-3	Decachlorobiphenyl	61%		10-128%
2051-24-3	Decachlorobiphenyl	60%		10-128%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT		Date Sampled:	06/18/25
Lab Sample ID:	JE13550-1		Date Received:	06/19/25
Matrix:	AQ - Effluent		Percent Solids:	n/a
Method:	SW846 8082A SW846 3510C			
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY			

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G149114.D	1	06/23/25 19:14	KM	06/23/25 08:30	OP64662	G3G5481
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.25	0.098	ug/l	
11104-28-2	Aroclor 1221	ND	0.25	0.21	ug/l	
11141-16-5	Aroclor 1232	ND	0.25	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.25	0.23	ug/l	
12672-29-6	Aroclor 1248	ND	0.25	0.22	ug/l	
11097-69-1	Aroclor 1254	ND	0.25	0.21	ug/l	
11096-82-5	Aroclor 1260	ND	0.25	0.21	ug/l	
11100-14-4	Aroclor 1268	ND	0.25	0.087	ug/l	
37324-23-5	Aroclor 1262	ND	0.25	0.23	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		10-169%
877-09-8	Tetrachloro-m-xylene	86%		10-169%
2051-24-3	Decachlorobiphenyl	54%		10-130%
2051-24-3	Decachlorobiphenyl	59%		10-130%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	06/18/25
Lab Sample ID:	JE13550-1	Date Received:	06/19/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	34000	200	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Antimony	< 6.0	6.0	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Arsenic	3.1	3.0	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Barium	470	200	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Calcium	45300	5000	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Chromium	92.0	10	ug/l	1	06/23/25	06/24/25 LM	SW846 6010D ³	SW846 3010A ⁴
Cobalt	< 50	50	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Copper	54.6	10	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Iron	51100	100	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Lead	15.3	3.0	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Magnesium	21000	5000	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Manganese	755	15	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Mercury	< 1.2	1.2	ug/l	1	06/20/25	06/20/25 CM	SW846 7470A ¹	SW846 7470A ⁵
Nickel	46.3	10	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Potassium	22700	10000	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Silver	< 10	10	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Sodium	17700	10000	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Thallium	< 10	10	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Vanadium	72.5	50	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Zinc	183	20	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA58788

(2) Instrument QC Batch: MA58796

(3) Instrument QC Batch: MA58800

(4) Prep QC Batch: MP55256

(5) Prep QC Batch: MP55272

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	06/18/25
Lab Sample ID:	JE13550-1	Date Received:	06/19/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent ^a	0.030	0.010	mg/l	1	06/20/25 10:15	RI	SW846 7196A
Cyanide	0.010	0.010	mg/l	1	06/23/25 17:24	JD	EPA 335.4/LACHAT
HEM Oil and Grease	< 5.0	5.0	mg/l	1	06/23/25 17:00	SS	EPA 1664A
Redox Potential Vs H2	319		mv	1	06/20/25 18:56	DB	ASTM D1498-76
pH ^b	7.37		su	1	06/22/25 19:00	MS	SM4500H+ B-11

(a) Analysis done out of holding time.

(b) Field analysis required. Received out of hold time and analyzed by request. Temp of pH Reading: 20.03 Deg. C

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	GW-TS-EFFLUENT	
Lab Sample ID:	JE13550-1A	Date Sampled: 06/18/25
Matrix:	AQ - Effluent	Date Received: 06/19/25
Method:	EPA 1633 EPA 1633	Percent Solids: n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5Q536.D	1	06/20/25 17:53	AM	06/20/25 10:00	OP64639	T5Q117
Run #2							

	Initial Volume	Final Volume
Run #1	472 ml	5.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
---------	----------	--------	----	-----	-------	---

PERFLUOROALKYL CARBOXYLIC ACIDS

375-22-4	Perfluorobutanoic acid	0.0086	0.0085	0.00099	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0084	0.0042	0.00077	ug/l	
307-24-4	Perfluorohexanoic acid	0.0049	0.0021	0.00031	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0037	0.0021	0.00053	ug/l	
335-67-1	Perfluorooctanoic acid	0.0088	0.0021	0.00079	ug/l	
375-95-1	Perfluorononanoic acid	0.0015	0.0021	0.00042	ug/l	J
335-76-2	Perfluorodecanoic acid ^a	ND	0.0021	0.00066	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0021	0.00058	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0021	0.00082	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0021	0.00084	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0021	0.00081	ug/l	

PERFLUOROALKYL SULFONIC ACIDS

375-73-5	Perfluorobutanesulfonic acid	0.0036	0.0021	0.00070	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.0020	0.0021	0.0012	ug/l	J
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0021	0.0010	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0092	0.0021	0.00046	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0021	0.0012	ug/l	

FLUOROTELOMER SULFONIC ACIDS

27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0085	0.00096	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0085	0.0015	ug/l	

PERFLUOROOCTANE SULFONAMIDES

754-91-6	PFOSA	ND	0.0021	0.00073	ug/l	
----------	-------	----	--------	---------	------	--

PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS

2355-31-9	MeFOSAA	ND	0.0021	0.00054	ug/l	
2991-50-6	EtFOSAA ^a	ND	0.0021	0.00096	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	06/18/25
Lab Sample ID:	JE13550-1A	Date Received:	06/19/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	EPA 1633 EPA 1633		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	65%		5-130%
	13C5-PFPeA	82%		40-130%
	13C5-PFHxA	79%		40-130%
	13C4-PFHpA	79%		40-130%
	13C8-PFOA	82%		40-130%
	13C9-PFNA	73%		40-130%
	13C6-PFDA	80%		40-130%
	13C7-PFUnDA	71%		30-130%
	13C2-PFDoDA	57%		10-130%
	13C2-PFTeDA	42%		10-130%
	13C3-PFBS	82%		40-135%
	13C3-PFHxS	81%		40-130%
	13C8-PFOS	77%		40-130%
	13C8-FOSA	77%		40-130%
	d3-MeFOSAA	88%		40-170%
	d5-EtFOSAA	79%		25-135%
	13C2-6:2FTS	118%		40-200%
	13C2-8:2FTS	163%		40-300%

(a) Associated BS outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Page __ of __ *EPN*

FED-EX Tracking #	Bottle Order Control #
999-Quote #	999 Job #

PREM ID 061725 12
JE13550

FHSA-OAC-0023-06 Rev.Date:9/24/2024

SGS Sample Receipt Summary

Job Number: je13550
Client: SESI CONSULTING ENGINEERS
Project: 136 CROTON AVENUE, OSSINING, NY
Date / Time Received: 6/19/2025 9:12:00 PM
Delivery Method: SGS COURIER
Airbill #s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (1.5);

Cooler Temps (Corrected) °C: Cooler 1: (1.5);

Cooler Security
Y or N
Y or N

- | | |
|--|--|
| 1. Custody Seals Present: ☒ ☐ | 3. COC Present: ☒ ☐ |
| 2. Custody Seals Intact: ☒ ☐ | 4. Smpl Dates/Time OK ☒ ☐ |

Cooler Temperature
Y or N

- | | |
|---|--|
| 1. Temp criteria achieved: ☒ ☐ | |
| 2. Cooler temp verification: <u>IR-50</u> | |
| 3. Cooler media: <u>Ice (Bag)</u> | |
| 4. No. Coolers: <u>1</u> | |

Quality Control Preservation
Y or N
N/A

- | | |
|---|--|
| 1. Trip Blank present / cooler: ☐ ☒ ☐ | |
| 2. Trip Blank listed on COC: ☐ ☒ ☐ | |
| 3. Samples preserved properly: ☒ ☐ ☐ | |
| 4. VOCs headspace free: ☒ ☐ ☐ | |

Sample Integrity - Documentation
Y or N

- | | |
|---|--|
| 1. Sample labels present on bottles: ☒ ☐ | |
| 2. Container labeling complete: ☒ ☐ | |
| 3. Sample container label / COC agree: ☒ ☐ | |

Sample Integrity - Condition
Y or N

- | | |
|---|--|
| 1. Sample recvd within HT: ☒ ☐ | |
| 2. All containers accounted for: ☒ ☐ | |
| 3. Condition of sample: <u>Intact</u> | |

Sample Integrity - Instructions
Y or N N/A

- | | |
|--|--|
| 1. Analysis requested is clear: ☒ ☐ | |
| 2. Bottles received for unspecified tests: ☐ ☒ | |
| 3. Sufficient volume recvd for analysis: ☒ ☐ | |
| 4. Compositing instructions clear: ☐ ☐ ☒ | |
| 5. Filtering instructions clear: ☐ ☐ ☒ | |

Test Strip Lot #s:	pH 1-12: <u>231619</u>	pH 12+: <u>203117A</u>	Other: (Specify) _____
--------------------	------------------------	------------------------	------------------------

Comments 1). -1; XCR received OOH. Please confirm

2). -1; Additional TOX and AMN volumes received. Please confirm.

SM089-03
Rev. Date 12/7/17

JE13550: Chain of Custody

Page 2 of 3

Job Change Order: JE13550

Requested Date:	6/20/2025	Received Date:	6/19/2025
Account Name:	SESI Consulting Engineers	Due Date:	6/20/2025
Project Description:	12060, Ossining Investigation, 136-140 Croton A	Deliverable:	NYASPB
C/O Initiated By:	KELLY_RAM PM: LPD	TAT (Days):	3

=====

Sample #:	JE13550-1, 1A	Dept:	
Client ID:		TAT:	3
Change:	Please revise to 3 day TAT, due 6/24		

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

SESI Consulting Engineers

12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

12060

SGS Job Number: JE15383

Sampling Date: 07/17/25

Report to:

anthony.raposo@sesi.org
sharon.cashel@sesi.org

ATTN: Distribution4

Total number of pages in report: 17



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Louie Devletter 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

Sample Summary

SESI Consulting Engineers

Job No: JE15383

12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY
Project No: 12060

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
---------------	----------------	---------	----------	-------------	------	------------------

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

JE15383-1	07/17/25	11:07	TF	07/17/25	AQ	Effluent	GW-TS-EFFLUENT
JE15383-1A	07/17/25	11:07	TF	07/17/25	AQ	Effluent	GW-TS-EFFLUENT

Report of Analysis

Page 1 of 3

Client Sample ID:	GW-TS-EFFLUENT	
Lab Sample ID:	JE15383-1	Date Sampled: 07/17/25
Matrix:	AQ - Effluent	Date Received: 07/17/25
Method:	SW846 8260D	Percent Solids: n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1X216411.D	1	07/18/25 18:56	ED	n/a	n/a	V1X9103
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone ^a	258	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^b	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	338	10	2.7	ug/l	
75-15-0	Carbon disulfide ^b	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	1.7	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene ^b	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113 ^b	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone ^c	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	07/17/25
Lab Sample ID:	JE15383-1	Date Received:	07/17/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane ^c	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane ^c	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^d	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-120%
17060-07-0	1,2-Dichloroethane-D4	90%		80-120%
2037-26-5	Toluene-D8	93%		80-120%
460-00-4	4-Bromofluorobenzene	86%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	ketones	7.39	7.2	ug/l	J
109-99-9	Furan, tetrahydro-	3.24	190	ug/l	JN
	Total TIC, Volatile		197.2	ug/l	J

- (a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte.
- (b) Associated CCV outside of control limits high, sample was ND.
- (c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- (d) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	07/17/25
Lab Sample ID:	JE15383-1	Date Received:	07/17/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
---------	----------	--------	----	-----	-------	---

QC limits bias high.

ND = Not detected	MDL = Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	GW-TS-EFFLUENT	
Lab Sample ID:	JE15383-1	Date Sampled: 07/17/25
Matrix:	AQ - Effluent	Date Received: 07/17/25
Method:	SW846 8270E SW846 3510C	Percent Solids: n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M203943.D	1	07/22/25 16:31	AO	07/21/25 08:00	OP65563	EM8830
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	0.78	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	0.85	ug/l	
120-83-2	2,4-Dichlorophenol	ND	1.9	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	2.3	ug/l	
51-28-5	2,4-Dinitrophenol	ND	4.8	1.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	4.8	1.2	ug/l	
95-48-7	2-Methylphenol	ND	1.9	0.85	ug/l	
	3&4-Methylphenol	ND	1.9	0.84	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.91	ug/l	
100-02-7	4-Nitrophenol	ND	9.5	1.1	ug/l	
87-86-5	Pentachlorophenol	ND	3.8	1.3	ug/l	
108-95-2	Phenol	ND	1.9	0.37	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	4.8	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	1.3	4.8	0.88	ug/l	J
83-32-9	Acenaphthene	ND	0.95	0.18	ug/l	
208-96-8	Acenaphthylene	ND	0.95	0.13	ug/l	
98-86-2	Acetophenone	ND	1.9	0.20	ug/l	
120-12-7	Anthracene	ND	0.95	0.20	ug/l	
1912-24-9	Atrazine	ND	1.9	0.43	ug/l	
100-52-7	Benzaldehyde	ND	4.8	0.28	ug/l	
56-55-3	Benzo(a)anthracene	0.25	0.95	0.19	ug/l	J
50-32-8	Benzo(a)pyrene	ND	0.95	0.20	ug/l	
205-99-2	Benzo(b)fluoranthene	0.23	0.95	0.20	ug/l	J
191-24-2	Benzo(g,h,i)perylene	ND	0.95	0.32	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.95	0.20	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	1.9	0.38	ug/l	
85-68-7	Butyl benzyl phthalate	ND	1.9	0.44	ug/l	
92-52-4	1,1'-Biphenyl	ND	0.95	0.20	ug/l	
91-58-7	2-Chloronaphthalene	ND	1.9	0.22	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	0.32	ug/l	
86-74-8	Carbazole	ND	0.95	0.22	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	07/17/25
Lab Sample ID:	JE15383-1	Date Received:	07/17/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	1.9	0.62	ug/l	
218-01-9	Chrysene	0.18	0.95	0.17	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	1.9	0.26	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	1.9	0.24	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	1.9	0.38	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1.9	0.35	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.95	0.53	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.95	0.45	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	1.9	0.48	ug/l	
123-91-1	1,4-Dioxane	ND	0.95	0.63	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.95	0.32	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.21	ug/l	
84-74-2	Di-n-butyl phthalate	ND	1.9	0.47	ug/l	
117-84-0	Di-n-octyl phthalate	ND	1.9	0.22	ug/l	
84-66-2	Diethyl phthalate	ND	1.9	0.25	ug/l	
131-11-3	Dimethyl phthalate	ND	1.9	0.21	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	3.8	1.9	1.6	ug/l	
206-44-0	Fluoranthene	0.25	0.95	0.16	ug/l	J
86-73-7	Fluorene	ND	0.95	0.16	ug/l	
118-74-1	Hexachlorobenzene	ND	0.95	0.31	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.95	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene ^a	ND	9.5	2.6	ug/l	
67-72-1	Hexachloroethane	ND	1.9	0.37	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.95	0.32	ug/l	
78-59-1	Isophorone	ND	1.9	0.26	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.95	0.20	ug/l	
88-74-4	2-Nitroaniline	ND	4.8	0.26	ug/l	
99-09-2	3-Nitroaniline	ND	4.8	0.37	ug/l	
100-01-6	4-Nitroaniline	ND	4.8	0.42	ug/l	
91-20-3	Naphthalene	ND	0.95	0.22	ug/l	
98-95-3	Nitrobenzene	ND	1.9	0.61	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	1.9	0.46	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	0.21	ug/l	
85-01-8	Phenanthrene	ND	0.95	0.17	ug/l	
129-00-0	Pyrene	0.25	0.95	0.21	ug/l	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	1.9	0.35	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	19%		10-71%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	07/17/25
Lab Sample ID:	JE15383-1	Date Received:	07/17/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
4165-62-2	Phenol-d5	14%		10-58%		
118-79-6	2,4,6-Tribromophenol	33%		22-144%		
4165-60-0	Nitrobenzene-d5	42%		28-118%		
321-60-8	2-Fluorobiphenyl	42%		34-116%		
1718-51-0	Terphenyl-d14	22%		10-127%		

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Unknown	5.60	26	ug/l	J
	Unknown	5.67	54	ug/l	J
	Unknown	5.74	20	ug/l	J
	Unknown	8.50	13	ug/l	J
	Unknown	8.54	28	ug/l	J
	Unknown	8.59	16	ug/l	J
	Unknown	8.67	35	ug/l	J
	Unknown	8.73	23	ug/l	J
	Unknown	8.78	15	ug/l	J
	Unknown	9.92	23	ug/l	J
	Unknown	10.04	15	ug/l	J
	Unknown	10.31	9.9	ug/l	J
	Unknown	10.48	9	ug/l	J
	Unknown	10.63	11	ug/l	J
	Unknown	10.74	8.7	ug/l	J
	Unknown	11.10	17	ug/l	J
	Alkane	11.12	45	ug/l	J
	Alkane	11.50	30	ug/l	J
	Unknown phthalate	11.68	23	ug/l	J
	Alkane	11.86	13	ug/l	J
	Alkane	12.21	14	ug/l	J
	Alkane	12.55	38	ug/l	J
	Unknown	12.92	8.8	ug/l	J
	Unknown	13.01	27	ug/l	J
	Unknown	13.36	56	ug/l	J
	Total TIC, Semi-Volatile		578.4	ug/l	J

(a) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT			Date Sampled:	07/17/25
Lab Sample ID:	JE15383-1			Date Received:	07/17/25
Matrix:	AQ - Effluent			Percent Solids:	n/a
Method:	SW846 8270E BY SIM SW846 3510C				
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M131298.D	1	07/22/25 14:46	AO	07/21/25 08:00	OP65563A	E4M6165
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
4165-60-0	Nitrobenzene-d5	41%		23-127%		
321-60-8	2-Fluorobiphenyl	37%		23-114%		
1718-51-0	Terphenyl-d14	20%		10-121%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT		
Lab Sample ID:	JE15383-1	Date Sampled:	07/17/25
Matrix:	AQ - Effluent	Date Received:	07/17/25
Method:	SW846 8081B SW846 3510C	Percent Solids:	n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK30099.D	1	07/24/25 18:32	MLC	07/23/25 08:55	OP65618	GRK903
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0050	0.0026	ug/l	
319-84-6	alpha-BHC	ND	0.0050	0.0026	ug/l	
319-85-7	beta-BHC ^a	0.0070	0.0050	0.0040	ug/l	
319-86-8	delta-BHC	ND	0.0050	0.0033	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0050	0.0030	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0050	0.0025	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0050	0.0021	ug/l	
60-57-1	Dieldrin	ND	0.0050	0.0038	ug/l	
72-54-8	4,4' -DDD	ND	0.0050	0.0029	ug/l	
72-55-9	4,4' -DDE	ND	0.0050	0.0025	ug/l	
50-29-3	4,4' -DDT	ND	0.0050	0.0034	ug/l	
72-20-8	Endrin	ND	0.0050	0.0030	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0050	0.0027	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0050	0.0034	ug/l	
53494-70-5	Endrin ketone	ND	0.0050	0.0031	ug/l	
959-98-8	Endosulfan-I	0.012	0.0050	0.0026	ug/l	
33213-65-9	Endosulfan-II	ND	0.0050	0.0024	ug/l	
76-44-8	Heptachlor	ND	0.0050	0.0022	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0050	0.0030	ug/l	
72-43-5	Methoxychlor	ND	0.010	0.0034	ug/l	
8001-35-2	Toxaphene	ND	0.13	0.082	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	123%		10-175%
877-09-8	Tetrachloro-m-xylene	73%		10-175%
2051-24-3	Decachlorobiphenyl	112%		10-128%
2051-24-3	Decachlorobiphenyl	116%		10-128%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT		Date Sampled:	07/17/25
Lab Sample ID:	JE15383-1		Date Received:	07/17/25
Matrix:	AQ - Effluent		Percent Solids:	n/a
Method:	SW846 8082A SW846 3510C			
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY			

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G150415.D	1	07/24/25 16:29	MLC	07/23/25 08:55	OP65619	G3G5514
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.050	0.020	ug/l	
11104-28-2	Aroclor 1221	ND	0.050	0.042	ug/l	
11141-16-5	Aroclor 1232	ND	0.050	0.026	ug/l	
53469-21-9	Aroclor 1242	ND	0.050	0.047	ug/l	
12672-29-6	Aroclor 1248	ND	0.050	0.043	ug/l	
11097-69-1	Aroclor 1254	ND	0.050	0.041	ug/l	
11096-82-5	Aroclor 1260	ND	0.050	0.042	ug/l	
11100-14-4	Aroclor 1268	ND	0.050	0.017	ug/l	
37324-23-5	Aroclor 1262	ND	0.050	0.046	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	22%		10-169%
877-09-8	Tetrachloro-m-xylene	15%		10-169%
2051-24-3	Decachlorobiphenyl	24%		10-130%
2051-24-3	Decachlorobiphenyl	34%		10-130%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	07/17/25
Lab Sample ID:	JE15383-1	Date Received:	07/17/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Aluminum	90500	200	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Antimony	< 6.0	6.0	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Arsenic ^a	< 15	15	ug/l	5	07/22/25	07/23/25	MM	SW846 6010D ³	SW846 3010A ⁴
Barium	11000	1000	ug/l	5	07/22/25	07/23/25	MM	SW846 6010D ³	SW846 3010A ⁴
Beryllium	10.5	1.0	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Calcium	548000	25000	ug/l	5	07/22/25	07/23/25	MM	SW846 6010D ³	SW846 3010A ⁴
Chromium	60.1	10	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Cobalt	195	50	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Copper	300	10	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Iron	66100	100	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Lead	105	3.0	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Magnesium	163000	5000	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Manganese	14300	75	ug/l	5	07/22/25	07/23/25	MM	SW846 6010D ³	SW846 3010A ⁴
Mercury	< 1.2	1.2	ug/l	1	07/22/25	07/22/25	CM	SW846 7470A ¹	SW846 7470A ⁵
Nickel	150	10	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Potassium	34100	10000	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Silver	< 10	10	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Sodium	30300	10000	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Thallium	< 10	10	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Vanadium	359	50	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Zinc	584	20	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA58996

(2) Instrument QC Batch: MA59004

(3) Instrument QC Batch: MA59007

(4) Prep QC Batch: MP55990

(5) Prep QC Batch: MP56018

(a) Elevated detection limit due to dilution required for high interfering element.

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	07/17/25
Lab Sample ID:	JE15383-1	Date Received:	07/17/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.040	0.010	mg/l	1	07/18/25 09:30	RI	SW846 7196A
Cyanide	0.012	0.010	mg/l	1	07/22/25 18:06	JD	EPA 335.4/LACHAT
HEM Oil and Grease	< 250	250	mg/l	1	07/23/25 13:30	SS	EPA 1664A
Redox Potential Vs H2	338		mv	1	07/18/25 18:48	KG	ASTM D1498-76
pH ^a	8.01		su	1	07/22/25 17:58	GT	SM4500H+ B-11/21

(a) Field analysis required. Received out of hold time and analyzed by request. Temp of pH Reading: 22.54 Deg. C

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	GW-TS-EFFLUENT	
Lab Sample ID:	JE15383-1A	Date Sampled: 07/17/25
Matrix:	AQ - Effluent	Date Received: 07/17/25
Method:	EPA 1633 EPA 1633	Percent Solids: n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6Q1684.D	1	07/29/25 16:26	AA	07/25/25 18:00	OP65715	T6Q144
Run #2							

	Initial Volume	Final Volume
Run #1	513 ml	5.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
---------	----------	--------	----	-----	-------	---

PERFLUOROALKYL CARBOXYLIC ACIDS

375-22-4	Perfluorobutanoic acid	0.0084	0.0078	0.00091	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0040	0.0039	0.00071	ug/l	
307-24-4	Perfluorohexanoic acid	0.0071	0.0019	0.00028	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0013	0.0019	0.00049	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0039	0.0019	0.00073	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0019	0.00039	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0019	0.00060	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00054	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00075	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00077	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0019	0.00074	ug/l	

PERFLUOROALKYL SULFONIC ACIDS

375-73-5	Perfluorobutanesulfonic acid	0.0023	0.0019	0.00064	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0019	0.0011	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0019	0.00096	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0026	0.0019	0.00042	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.0011	ug/l	

FLUOROTELOMER SULFONIC ACIDS

27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0078	0.00089	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0078	0.0014	ug/l	

PERFLUOROCTANE SULFONAMIDES

754-91-6	PFOSA	ND	0.0019	0.00067	ug/l	
----------	-------	----	--------	---------	------	--

PERFLUOROCTANE SULFONAMIDOACETIC ACIDS

2355-31-9	MeFOSAA	ND	0.0019	0.00050	ug/l	
2991-50-6	EtFOSAA	ND	0.0019	0.00089	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	07/17/25
Lab Sample ID:	JE15383-1A	Date Received:	07/17/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	EPA 1633 EPA 1633		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	52%		5-130%
	13C5-PFPeA	63%		40-130%
	13C5-PFHxA	62%		40-130%
	13C4-PFHpA	64%		40-130%
	13C8-PFOA	62%		40-130%
	13C9-PFNA	59%		40-130%
	13C6-PFDA	62%		40-130%
	13C7-PFUnDA	60%		30-130%
	13C2-PFDoDA	48%		10-130%
	13C2-PFTeDA	36%		10-130%
	13C3-PFBS	64%		40-135%
	13C3-PFHxS	63%		40-130%
	13C8-PFOS	66%		40-130%
	13C8-FOSA	57%		40-130%
	d3-MeFOSAA	73%		40-170%
	d5-EtFOSAA	74%		25-135%
	13C2-6:2FTS	110%		40-200%
	13C2-8:2FTS	144%		40-300%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

SGS North America Inc. - Dayton

1000

TEL: 732-329-0200

www.sgs.com/ehsusa

JE15383

1995-96

SGS Job #	
-----------	--

Page 1 of 1

[illegible]

EHSA-QAC-0023-06 Rev. Date: 9/24/2024

- ADC, RF
2-0

JE15383: Chain of Custody

Page 1 of 2

SGS Sample Receipt Summary

Job Number: JE15383

Client: SESI CONSULTING ENGINEERS

Project: 136 CROTON AVENUE, OSSINING, NY

Date / Time Received: 7/17/2025 2:00:00 PM

Delivery Method: CLIENT

Airbill #s:
Cooler Temps (Raw Measured) °C: Cooler 1: (1.0); Cooler 2: (2.0);

Cooler Temps (Corrected) °C: Cooler 1: (1.0); Cooler 2: (2.0);

Cooler Security
Y or N
Y or N

- | | |
|--|--|
| 1. Custody Seals Present: ☒ ☐ | 3. COC Present: ☒ ☐ |
| 2. Custody Seals Intact: ☒ ☐ | 4. Smpl Dates/Time OK ☒ ☐ |

Cooler Temperature
Y or N

- | | |
|---|--|
| 1. Temp criteria achieved: ☒ ☐ | |
| 2. Cooler temp verification: IR-50 | |
| 3. Cooler media: Ice (Bag) | |
| 4. No. Coolers: 2 | |

Quality Control Preservation
Y or N
N/A

- | | |
|---|--|
| 1. Trip Blank present / cooler: ☐ ☒ ☐ | |
| 2. Trip Blank listed on COC: ☐ ☒ ☐ | |
| 3. Samples preserved properly: ☒ ☐ ☐ | |
| 4. VOCs headspace free: ☒ ☐ ☐ | |

Sample Integrity - Documentation
Y or N

- | | |
|---|--|
| 1. Sample labels present on bottles: ☒ ☐ | |
| 2. Container labeling complete: ☒ ☐ | |
| 3. Sample container label / COC agree: ☒ ☐ | |

Sample Integrity - Condition
Y or N

- | | |
|---|--|
| 1. Sample recvd within HT: ☒ ☐ | |
| 2. All containers accounted for: ☒ ☐ | |
| 3. Condition of sample: Intact | |

Sample Integrity - Instructions
Y or N N/A

- | | |
|--|--|
| 1. Analysis requested is clear: ☒ ☐ | |
| 2. Bottles received for unspecified tests: ☐ ☒ | |
| 3. Sufficient volume recvd for analysis: ☒ ☐ | |
| 4. Compositing instructions clear: ☐ ☐ ☒ | |
| 5. Filtering instructions clear: ☐ ☐ ☒ | |

Test Strip Lot #s:	pH 1-12: 231619	pH 12+: 203117A	Other: (Specify)
--------------------	-----------------	-----------------	------------------

Comments

SM089-03
Rev. Date 12/7/17

JE15383: Chain of Custody

Page 2 of 2

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

SESI Consulting Engineers

12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

SGS Job Number: JE16518

Sampling Date: 08/06/25

Report to:

SESI Consulting Engineers
959 Route 46E 3rd Floor
Parsippany, NJ 07054
anthony.raposo@sesi.org; sharon.cashel@sesi.org;
tyler.fisher@sesi.org
ATTN: Anthony Raposo

Total number of pages in report: **148**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Louie Devletter 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary 3

Section 2: Case Narrative/Conformance Summary 4

Section 3: Summary of Hits 5

Section 4: Sample Results 6

4.1: JE16518-1: GW-TS-EFFLUENT-02 7

Section 5: Misc. Forms 9

5.1: Chain of Custody 10

5.2: Sample Tracking Chronicle 12

5.3: Internal Chain of Custody 13

Section 6: Metals Analysis - QC Data Summaries 14

6.1: Inst QC MA59103: Ba 15

6.2: Prep QC MP56401: Ba 54

6.3: IDL and Linear Range Summaries 58

Section 7: Metals Analysis - Raw Data 60

7.1: Raw Data MA59103 61

7.2: Sample Prep Logs 137

Section 8: General Chemistry - QC Data Summaries 139

8.1: Method Blank and Spike Results Summary 140

8.2: Duplicate Results Summary 141

8.3: Matrix Spike Results Summary 142

Section 9: General Chemistry - Raw Data 143

9.1: Raw Data GN71907: HEM Oil and Grease 144



Sample Summary

SESI Consulting Engineers

Job No: JE16518

12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

Sample Number	Collected			Matrix			Client Sample ID
	Date	Time	By	Received	Code	Type	
JE16518-1	08/06/25	12:24	TF	08/06/25	AQ	Water	GW-TS-EFFLUENT-02

CASE NARRATIVE / CONFORMANCE SUMMARY

2

Client: SESI Consulting Engineers

Job No: JE16518

Site: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, N

Report Date 8/8/2025 8:30:50 AM

On 08/06/2025, 1 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 2 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JE16518 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Metals Analysis By Method SW846 6010D

Matrix: AQ

Batch ID: MP56401

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

General Chemistry By Method EPA 1664A

Matrix: AQ

Batch ID: GP63079

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE16535-3MS, JE16535-4DUP were used as the QC samples for the HEM Oil and Grease analysis.
- The duplicate RPD(s) for HEM Oil and Grease are outside control limits for sample GP63079-D1. RPD acceptable due to low duplicate and sample concentrations.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Friday, August 8, 2025

Page 1 of 1

Summary of Hits

Job Number: JE16518
Account: SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY
Collected: 08/06/25



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE16518-1	GW-TS-EFFLUENT-02					
Barium		1390	200		ug/l	SW846 6010D
HEM Oil and Grease		7.0	5.0		mg/l	EPA 1664A



Dayton, NJ

Section 4

4

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT-02	Date Sampled:	08/06/25
Lab Sample ID:	JE16518-1	Date Received:	08/06/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Barium	1390	200	ug/l	1	08/07/25	08/07/25 MM	SW846 6010D ¹	SW846 3010A ²

(1) Instrument QC Batch: MA59103
(2) Prep QC Batch: MP56401

RL = Reporting Limit

4.1
4

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT-02	Date Sampled:	08/06/25
Lab Sample ID:	JE16518-1	Date Received:	08/06/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
HEM Oil and Grease	7.0	5.0	mg/l	1	08/07/25 11:00	SS	EPA 1664A

RL = Reporting Limit

4.1
4

Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody



Page __ of __

FED-EX Tracking #	Boiler Order Control #
	PHM-LD-08525-151
SGS Quote #	SGS Job #
	JE16518

5

JE16518

SGS Sample Receipt Summary

Job Number: JE16518

Client: SESI CONSULTING ENGINEERS

Project: 136 CROTON AVENUE, OSSINING, NY

Date / Time Received: 8/6/2025 3:06:00 PM

Delivery Method: SGS COURIER

Airbill #s:
Cooler Temps (Raw Measured) °C: Cooler 1: (2.0);

Cooler Temps (Corrected) °C: Cooler 1: (2.0);

Cooler Security
Y or N
Y or N

- | | |
|--|--|
| 1. Custody Seals Present: ☒ ☐ | 3. COC Present: ☒ ☐ |
| 2. Custody Seals Intact: ☒ ☐ | 4. Smpl Dates/Time OK ☒ ☐ |

Cooler Temperature
Y or N

- | | |
|---|--|
| 1. Temp criteria achieved: ☒ ☐ | |
| 2. Cooler temp verification: IR-50 | |
| 3. Cooler media: Ice (Bag) | |
| 4. No. Coolers: 1 | |

Quality Control Preservation
Y or N
N/A

- | | |
|---|--|
| 1. Trip Blank present / cooler: ☐ ☐ ☒ | |
| 2. Trip Blank listed on COC: ☐ ☐ ☒ | |
| 3. Samples preserved properly: ☒ ☐ | |
| 4. VOCs headspace free: ☐ ☐ ☒ | |

Sample Integrity - Documentation
Y or N

- | | |
|---|--|
| 1. Sample labels present on bottles: ☒ ☐ | |
| 2. Container labeling complete: ☒ ☐ | |
| 3. Sample container label / COC agree: ☒ ☐ | |

Sample Integrity - Condition
Y or N

- | | |
|---|--|
| 1. Sample recvd within HT: ☒ ☐ | |
| 2. All containers accounted for: ☒ ☐ | |
| 3. Condition of sample: Intact | |

Sample Integrity - Instructions
Y or N
N/A

- | | |
|--|--|
| 1. Analysis requested is clear: ☒ ☐ | |
| 2. Bottles received for unspecified tests: ☐ ☒ | |
| 3. Sufficient volume recvd for analysis: ☒ ☐ | |
| 4. Compositing instructions clear: ☐ ☐ ☒ | |
| 5. Filtering instructions clear: ☐ ☐ ☒ | |

Test Strip Lot #s:	pH 1-12: 231619	pH 12+: 203117A	Other: (Specify) _____
--------------------	-----------------	-----------------	------------------------

Comments

SM089-03
Rev. Date 12/7/17

JE16518: Chain of Custody

Page 2 of 2

Internal Sample Tracking Chronicle

SESI Consulting Engineers

Job No: JE16518

12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE16518-1	Collected: 06-AUG-25 12:24	By: TF		Received: 06-AUG-25	By: JR	
GW-TS-EFFLUENT-02						

JE16518-1	EPA 1664A	07-AUG-25 11:00	SS	07-AUG-25	SS	OG1664
JE16518-1	SW846 6010D	07-AUG-25 18:45	MM	07-AUG-25	BP	BA

SGS Internal Chain of Custody

Job Number: JE16518
Account: SESINJPB SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY
Received: 08/06/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE16518-1.1	Jabaery Ellis	Secured Storage	08/06/25 22:27	Return to Storage
JE16518-1.2	Jabaery Ellis	Secured Storage	08/06/25 22:27	Return to Storage
JE16518-1.3	Jabaery Ellis	Secured Storage	08/06/25 22:27	Return to Storage
JE16518-1.3	Secured Storage	Brianna Perez	08/07/25 09:12	Retrieve from Storage
JE16518-1.3	Brianna Perez	Secured Storage	08/07/25 16:12	Return to Storage

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE16518

Account: SESINJPB - SESI Consulting Engineers

Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP

Date Analyzed: 08/07/25

Methods: EPA 200.7, SW846 6010D

Analyst: MM

Run ID: MA59103

Parameters: Ba

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:58	MA59103-STD1	1		STDA
08:03	MA59103-STD2	1		STDB
08:08	MA59103-ICV1	1		
08:15	MA59103-ICV2	1		
08:21	ZZZZZZ	1		
08:31	MA59103-ICB1	1		
08:41	MA59103-ICCV1	1		
08:46	MA59103-CCB1	1		
08:54	MA59103-CRI1	1		
08:59	MA59103-CRID1	1		
09:04	MA59103-ICSA1	1		
09:09	MA59103-ICSAB1	1		
09:14	MA59103-HSTD1	1		
09:19	MA59103-HSTD2	1		
09:25	ZZZZZZ	1		
09:30	MA59103-CCV1	1		
09:35	MA59103-CCB2	1		
09:40	MA59103-CRI2	1		
09:44	ZZZZZZ	1		
09:50	MP56392-MB1	1		
09:55	MP56377-S1	5		
10:00	MP56377-S2	5		
10:05	JE16402-1	5		(sample used for QC only; not part of login JE16518)
10:10	MP56377-SD1	25		
10:15	MP56273-S1	5		Na still high
10:19	MP56273-S2	5		
10:24	MP56273-PS1	1		
10:30	MA59103-CCV2	1		
10:34	MA59103-CCB3	1		
10:39	ZZZZZZ	1		
10:44	ZZZZZZ	10		
10:52	MP56406-MB1	1		
10:57	MP56406-LB1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59103
Parameters: Ba

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:02	MP56406-B1	1		
11:07	MP56406-LS1	1		
11:12	MP56377-S1	10		
11:17	MP56377-S2	10		
11:21	JE16402-1	10		(sample used for QC only; not part of login JE16518)
11:26	MP56377-SD1	50		
11:31	MA59103-CCV3	1		
11:36	MA59103-CCB4	1		
11:41	MP56406-S1	5		
11:46	MP56406-S2	5		
11:50	JE16283-1	5		(sample used for QC only; not part of login JE16518)
11:55	MP56406-SD1	25		
12:00	ZZZZZZ	5		
12:05	ZZZZZZ	5		
12:10	ZZZZZZ	5		
12:15	ZZZZZZ	5		
12:20	ZZZZZZ	5		
12:25	ZZZZZZ	5		
12:30	MA59103-CCV4	1		
12:35	MA59103-CCB5	1		
12:40	MP56418-MB1	1		
12:45	MP56417-MB1	1		
12:50	MP56418-B1	1		
12:55	MP56417-B1	1		
13:00	MP56418-S1	1		
13:04	MP56418-S2	1		
13:09	JE16544-1	1		(sample used for QC only; not part of login JE16518)
13:15	MP56418-SD1	5		
13:19	MP56417-S1	1		
13:24	MP56417-S2	1		
13:29	MA59103-CCV5	1		
13:34	MA59103-CCB6	1		
13:39	JE16540-1	1		(sample used for QC only; not part of login JE16518)

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59103
Parameters: Ba

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:44	MP56417-SD1	5		
13:49	ZZZZZZ	1		
13:54	ZZZZZZ	1		
13:59	ZZZZZZ	1		
14:05	ZZZZZZ	1		
14:10	ZZZZZZ	1		
14:15	ZZZZZZ	1		
14:20	ZZZZZZ	1		
14:25	ZZZZZZ	1		
14:30	MA59103-CCV6	1		
14:35	MA59103-CCB7	1		
14:40	ZZZZZZ	1		
14:45	MP56418-S1	5		
14:50	MP56418-S2	5		
14:55	JE16544-1	5		(sample used for QC only; not part of login JE16518)
15:00	MP56418-SD1	25		
15:05	MP56417-S1	5		
15:10	MP56417-S2	5		
15:14	JE16540-1	5		(sample used for QC only; not part of login JE16518)
15:19	MP56417-SD1	25		
15:24	ZZZZZZ	5		
15:29	MA59103-CCV7	1		
15:34	MA59103-CCB8	1		
15:39	ZZZZZZ	5		
15:44	ZZZZZZ	5		
15:49	ZZZZZZ	5		
15:54	ZZZZZZ	5		
15:59	ZZZZZZ	5		
16:04	ZZZZZZ	5		
16:09	ZZZZZZ	5		
16:14	ZZZZZZ	5		
16:19	MA59103-CCV8	1		
16:23	MA59103-CCB9	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59103
Parameters: Ba

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:28	MP56418-S1	50		
16:33	MP56418-S2	50		
16:38	JE16544-1	50		(sample used for QC only; not part of login JE16518)
16:43	MP56418-SD1	250		
16:48	MP56417-S1	50		
16:53	MP56417-S2	50		
16:57	JE16540-1	50		(sample used for QC only; not part of login JE16518)
17:02	MP56417-SD1	250		
17:07	ZZZZZZ	50		
17:12	ZZZZZZ	50		
17:17	MA59103-CCV9	1		
17:22	MA59103-CCB10	1		
17:27	ZZZZZZ	50		
17:32	ZZZZZZ	50		
17:37	ZZZZZZ	50		
17:42	ZZZZZZ	50		
17:47	ZZZZZZ	50		
17:51	ZZZZZZ	50		
17:56	ZZZZZZ	50		
18:01	ZZZZZZ	5		
18:06	ZZZZZZ	5		
18:11	ZZZZZZ	5		
18:16	MA59103-CCV10	1		
18:21	MA59103-CCB11	1		
18:26	MP56401-MB1	1		
18:31	MP56401-MB2	1		
18:36	MP56401-B1	1		
18:40	MP56401-B2	1		
18:45	JE16518-1	1		
----->	Last reportable sample/prep for job JE16518			
18:50	ZZZZZZ	5		
18:55	ZZZZZZ	5		
19:00	ZZZZZZ	5		
19:05	MA59103-CCV11	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59103
Parameters: Ba

Time	Sample Description	Dilution Factor	PS Recov	Comments
------	--------------------	-----------------	----------	----------

-----> 19:10 MA59103-CCB12 1
Last reportable CCB for job JE16518
19:15 ZZZZZZ 1

19:20 ZZZZZZ 1

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
 Analyst: MM Run ID: MA59103
 Parameters: Ba

Time	Sample Description	Element: B Dilution a
08:08	MA59103-ICV1	1
08:15	MA59103-ICV2	1 X
08:21	ZZZZZZ	1
08:31	MA59103-ICB1	1 X
08:41	MA59103-ICCV1	1 X
08:46	MA59103-CCB1	1 X
08:54	MA59103-CRI1	1
08:59	MA59103-CRID1	1 X
09:04	MA59103-ICSA1	1 X
09:09	MA59103-ICSAB1	1 X
09:14	MA59103-HSTD1	1 X
09:19	MA59103-HSTD2	1 X
09:25	ZZZZZZ	1
09:30	MA59103-CCV1	1 X
09:35	MA59103-CCB2	1 X
09:40	MA59103-CRI2	1 X
09:44	ZZZZZZ	1
09:50	MP56392-MB1	1
09:55	MP56377-S1	5
10:00	MP56377-S2	5
10:05	JE16402-1	5 (a)
10:10	MP56377-SD1	25
10:15	MP56273-S1	5
10:19	MP56273-S2	5
10:24	MP56273-PS1	1
10:30	MA59103-CCV2	1 X
10:34	MA59103-CCB3	1 X
10:39	ZZZZZZ	1
10:44	ZZZZZZ	10
10:52	MP56406-MB1	1 X
10:57	MP56406-LB1	1
11:02	MP56406-B1	1 X
11:07	MP56406-LS1	1 X
		Element: B a

REPORTED ELEMENTS SUMMARY

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
 Analyst: MM Run ID: MA59103
 Parameters: Ba

Time	Sample Description	Element: B Dilution a
11:12	MP56377-S1	10
11:17	MP56377-S2	10
11:21	JE16402-1	10 (a)
11:26	MP56377-SD1	50
11:31	MA59103-CCV3	1 X
11:36	MA59103-CCB4	1 X
11:41	MP56406-S1	5 X
11:46	MP56406-S2	5 X
11:50	JE16283-1	5 X (a)
11:55	MP56406-SD1	25 X
12:00	ZZZZZZ	5
12:05	ZZZZZZ	5
12:10	ZZZZZZ	5
12:15	ZZZZZZ	5
12:20	ZZZZZZ	5
12:25	ZZZZZZ	5
12:30	MA59103-CCV4	1 X
12:35	MA59103-CCB5	1 X
12:40	MP56418-MB1	1
12:45	MP56417-MB1	1 X
12:50	MP56418-B1	1
12:55	MP56417-B1	1 X
13:00	MP56418-S1	1
13:04	MP56418-S2	1
13:09	JE16544-1	1 (a)
13:15	MP56418-SD1	5
13:19	MP56417-S1	1 X
13:24	MP56417-S2	1 X
13:29	MA59103-CCV5	1 X
13:34	MA59103-CCB6	1 X
13:39	JE16540-1	1 X (a)
13:44	MP56417-SD1	5 X
13:49	ZZZZZZ	1
		Element: B a

REPORTED ELEMENTS SUMMARY

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
 Analyst: MM Run ID: MA59103
 Parameters: Ba

Time	Sample Description	Element: B Dilution a
13:54	ZZZZZZ	1
13:59	ZZZZZZ	1
14:05	ZZZZZZ	1
14:10	ZZZZZZ	1
14:15	ZZZZZZ	1
14:20	ZZZZZZ	1
14:25	ZZZZZZ	1
14:30	MA59103-CCV6	1 X
14:35	MA59103-CCB7	1 X
14:40	ZZZZZZ	1
14:45	MP56418-S1	5
14:50	MP56418-S2	5
14:55	JE16544-1	5 (a)
15:00	MP56418-SD1	25
15:05	MP56417-S1	5
15:10	MP56417-S2	5
15:14	JE16540-1	5 (a)
15:19	MP56417-SD1	25
15:24	ZZZZZZ	5
15:29	MA59103-CCV7	1 X
15:34	MA59103-CCB8	1 X
15:39	ZZZZZZ	5
15:44	ZZZZZZ	5
15:49	ZZZZZZ	5
15:54	ZZZZZZ	5
15:59	ZZZZZZ	5
16:04	ZZZZZZ	5
16:09	ZZZZZZ	5
16:14	ZZZZZZ	5
16:19	MA59103-CCV8	1 X
16:23	MA59103-CCB9	1 X
16:28	MP56418-S1	50
16:33	MP56418-S2	50
		Element: B a

REPORTED ELEMENTS SUMMARY

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
 Analyst: MM Run ID: MA59103
 Parameters: Ba

Time	Sample Description	Element: B Dilution a
16:38	JE16544-1	50
16:43	MP56418-SD1	250
16:48	MP56417-S1	50
16:53	MP56417-S2	50
16:57	JE16540-1	50 (a)
17:02	MP56417-SD1	250
17:07	ZZZZZZ	50
17:12	ZZZZZZ	50
17:17	MA59103-CCV9	1 X
17:22	MA59103-CCB10	1 X
17:27	ZZZZZZ	50
17:32	ZZZZZZ	50
17:37	ZZZZZZ	50
17:42	ZZZZZZ	50
17:47	ZZZZZZ	50
17:51	ZZZZZZ	50
17:56	ZZZZZZ	50
18:01	ZZZZZZ	5
18:06	ZZZZZZ	5
18:11	ZZZZZZ	5
18:16	MA59103-CCV10	1 X
18:21	MA59103-CCB11	1 X
18:26	MP56401-MB1	1 X
18:31	MP56401-MB2	1 X
18:36	MP56401-B1	1 X
18:40	MP56401-B2	1 X
18:45	JE16518-1	1 X
18:50	ZZZZZZ	5
18:55	ZZZZZZ	5
19:00	ZZZZZZ	5
19:05	MA59103-CCV11	1 X
19:10	MA59103-CCB12	1 X
19:15	ZZZZZZ	1
		Element: B a

REPORTED ELEMENTS SUMMARY

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
 Analyst: MM Run ID: MA59103
 Parameters: Ba

Time	Sample Description	Element: B Dilution a
------	--------------------	--------------------------

19:20 ZZZZZZ 1

(a) Sample used for QC only; not part of login JE16518.

Element: B
a

INTERNAL STANDARD SUMMARY

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
 Analyst: MM Run ID: MA59103
 Parameters: Ba

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:58	MA59103-STD1	3093 R	80845 R	24161 R	5371 R
08:03	MA59103-STD2	3037	81123	23487	5654
08:08	MA59103-ICV1	No results reported for the elements associated with this internal standard.			
08:15	MA59103-ICV2	3060	80452	23392	5545
08:21	ZZZZZZ	3086	80081	24059	5342
08:31	MA59103-ICB1	3099	81266	24467	5403
08:41	MA59103-ICCV1	3065	81222	23703	5576
08:46	MA59103-CCB1	3104	80897	23970	5367
08:54	MA59103-CRI1	No results reported for the elements associated with this internal standard.			
08:59	MA59103-CRID1	3090	80824	24093	5378
09:04	MA59103-ICSA1	2911	80004	24034	5634
09:09	MA59103-ICSAB1	2938	80004	23868	5666
09:14	MA59103-HSTD1	3040	80857	23983	5528
09:19	MA59103-HSTD2	3045	82102	23161	5729
09:25	ZZZZZZ	3030	81358	22949	5704
09:30	MA59103-CCV1	3097	81930	23486	5623
09:35	MA59103-CCB2	3117	82257	24228	5418
09:40	MA59103-CRI2	3121	81734	23987	5436
09:44	ZZZZZZ	3097	80348	23261	5325
09:50	MP56392-MB1	3087	79773	23200	5290
09:55	MP56377-S1	3064	80596	23427	5469
10:00	MP56377-S2	3063	81020	23581	5499
10:05	JE16402-1	3071	81977	23854	5493
10:10	MP56377-SD1	3077	81556	24080	5417
10:15	MP56273-S1	3065	80831	23869	5486
10:19	MP56273-S2	3068	80907	23545	5489
10:24	MP56273-PS1	3076	83272	23787	5824
10:30	MA59103-CCV2	3104	80879	22742	5588
10:34	MA59103-CCB3	3129	81150	23492	5383
10:39	ZZZZZZ	12643 !	273230 !	52351 !	19651 !
10:44	ZZZZZZ	12791 !	273310 !	51347 !	19971 !
10:52	MP56406-MB1	3095	80651	23990	5372
10:57	MP56406-LB1	3198	85866	23090	5642

INTERNAL STANDARD SUMMARY

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP
Analyst: MM
Parameters: Ba

Date Analyzed: 08/07/25
Run ID: MA59103

Methods: EPA 200.7, SW846 6010D

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:02	MP56406-B1	3045	79851	23637	5475
11:07	MP56406-LS1	3166	85136	23357	5712
11:12	MP56377-S1	3055	80878	23797	5423
11:17	MP56377-S2	3062	81046	24280	5469
11:21	JE16402-1	3046	81708	24349	5427
11:26	MP56377-SD1	3069	81011	24239	5393
11:31	MA59103-CCV3	3058	81046	23584	5564
11:36	MA59103-CCB4	3100	80402	23624	5351
11:41	MP56406-S1	3192	83825	23574	5632
11:46	MP56406-S2	3183	83105	23353	5608
11:50	JE16283-1	3193	84906	23636	5600
11:55	MP56406-SD1	3180	83958	23940	5554
12:00	ZZZZZZ	3158	83925	23197	5557
12:05	ZZZZZZ	3166	83389	23478	5549
12:10	ZZZZZZ	3179	83636	22953	5598
12:15	ZZZZZZ	3173	83557	23088	5552
12:20	ZZZZZZ	3113	82209	22950	5411
12:25	ZZZZZZ	3166	83221	23058	5536
12:30	MA59103-CCV4	3048	80991	23267	5552
12:35	MA59103-CCB5	3080	81061	23819	5354
12:40	MP56418-MB1	3084	79821	23632	5317
12:45	MP56417-MB1	3099	79740	23324	5325
12:50	MP56418-B1	3041	78853	22892	5429
12:55	MP56417-B1	3056	78834	22808	5407
13:00	MP56418-S1	2859	79968	20471	5144
13:04	MP56418-S2	2817	80336	20515	5091
13:09	JE16544-1	2838	80886	20429	5074
13:15	MP56418-SD1	3131	85036	22423	5572
13:19	MP56417-S1	2717	80012	20880	4987
13:24	MP56417-S2	2765	79878	21061	5052
13:29	MA59103-CCV5	3125	82294	23534	5646
13:34	MA59103-CCB6	3157	81439	23298	5425
13:39	JE16540-1	2813	80134	20098	4983

INTERNAL STANDARD SUMMARY

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP
Analyst: MM
Parameters: Ba

Date Analyzed: 08/07/25
Run ID: MA59103

Methods: EPA 200.7, SW846 6010D

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:44	MP56417-SD1	3169	85058	21946	5579
13:49	ZZZZZZ	2768	79875	20147	4952
13:54	ZZZZZZ	2780	80902	20649	4996
13:59	ZZZZZZ	2761	80895	20490	4970
14:05	ZZZZZZ	2762	80773	20446	4959
14:10	ZZZZZZ	2880	82048	20753	5135
14:15	ZZZZZZ	2892	81209	20161	5087
14:20	ZZZZZZ	2868	80299	19651	5064
14:25	ZZZZZZ	2846	80544	20157	5067
14:30	MA59103-CCV6	3078	81696	22953	5569
14:35	MA59103-CCB7	3131	81696	23556	5427
14:40	ZZZZZZ	2814	81455	20676	5067
14:45	MP56418-S1	3110	83525	21465	5548
14:50	MP56418-S2	3117	83656	21491	5533
14:55	JE16544-1	3157	84119	21576	5547
15:00	MP56418-SD1	3143	82157	21933	5474
15:05	MP56417-S1	3084	82951	21287	5491
15:10	MP56417-S2	3070	83838	21379	5500
15:14	JE16540-1	3115	85273	21659	5557
15:19	MP56417-SD1	3162	84407	22861	5583
15:24	ZZZZZZ	3116	84420	21538	5536
15:29	MA59103-CCV7	3071	80570	22520	5527
15:34	MA59103-CCB8	3118	79719	22216	5317
15:39	ZZZZZZ	3174	84333	20911	5579
15:44	ZZZZZZ	3187	85397	20999	5609
15:49	ZZZZZZ	3179	85049	20545	5590
15:54	ZZZZZZ	3164	84623	20818	5574
15:59	ZZZZZZ	3161	84652	21092	5598
16:04	ZZZZZZ	3149	84611	20893	5587
16:09	ZZZZZZ	3149	84506	20790	5590
16:14	ZZZZZZ	3146	83725	20695	5552
16:19	MA59103-CCV8	3047	78133	20631	5460
16:23	MA59103-CCB9	3083	78475	21110	5266

INTERNAL STANDARD SUMMARY

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
 Analyst: MM Run ID: MA59103
 Parameters: Ba

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:28	MP56418-S1	No results reported for the elements associated with this internal standard.			
16:33	MP56418-S2	No results reported for the elements associated with this internal standard.			
16:38	JE16544-1	No results reported for the elements associated with this internal standard.			
16:43	MP56418-SD1	No results reported for the elements associated with this internal standard.			
16:48	MP56417-S1	3146	81370	21394	5459
16:53	MP56417-S2	3115	79744	20750	5384
16:57	JE16540-1	3129	80221	20764	5398
17:02	MP56417-SD1	3061	78154	20486	5260
17:07	ZZZZZZ	3096	79293	20439	5372
17:12	ZZZZZZ	3092	79012	20301	5364
17:17	MA59103-CCV9	2976	76925	20563	5365
17:22	MA59103-CCB10	3031	77413	21084	5217
17:27	ZZZZZZ	3125	80903	21204	5458
17:32	ZZZZZZ	3118	80580	21159	5420
17:37	ZZZZZZ	3105	80435	21044	5382
17:42	ZZZZZZ	3099	79530	20683	5349
17:47	ZZZZZZ	3088	78825	20641	5325
17:51	ZZZZZZ	3095	78970	20381	5339
17:56	ZZZZZZ	3089	79473	20821	5349
18:01	ZZZZZZ	3136	80428	20510	5415
18:06	ZZZZZZ	3119	78795	20100	5380
18:11	ZZZZZZ	3163	80895	20773	5418
18:16	MA59103-CCV10	3087	78769	20661	5490
18:21	MA59103-CCB11	3107	79035	21363	5286
18:26	MP56401-MB1	3107	79641	21879	5320
18:31	MP56401-MB2	3125	81372	22365	5367
18:36	MP56401-B1	3081	80102	22011	5487
18:40	MP56401-B2	3094	80787	22493	5494
18:45	JE16518-1	3048	79977	21993	5454
18:50	ZZZZZZ	3147	83146	21800	5449
18:55	ZZZZZZ	3171	82193	21273	5459
19:00	ZZZZZZ	3169	81846	20853	5490
19:05	MA59103-CCV11	3057	80168	22034	5491

INTERNAL STANDARD SUMMARY

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59103
Parameters: Ba

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:10	MA59103-CCB12	3077	79972	22138	5283
19:15	ZZZZZZ	2966	78643	22452	5154
19:20	ZZZZZZ	2965	78281	22350	5148

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59103 Units: ug/l

Time: Sample ID:			08:31 ICB1		08:46 CCB1		09:35 CCB2		10:34 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	1.7	anr							
Arsenic	3.0	2.1	anr							
Barium	200	.8	-0.200	<200	0.100	<200	0.100	<200	0.00	<200
Beryllium	1.0	.3	anr							
Bismuth	20	2.3								
Boron	100	2.3								
Cadmium	3.0	.3	anr							
Calcium	5000	6.6	anr							
Cerium	100									
Chromium	10	.3	anr							
Cobalt	50	.4	anr							
Copper	10	.8	anr							
Iron	100	5.3	anr							
Lead	3.0	1.1	anr							
Lithium	50	4.8								
Magnesium	5000	32	anr							
Manganese	15	.1	anr							
Molybdenum	20	.6								
Nickel	10	.4	anr							
Phosphorus	50	1.2								
Potassium	10000	77	anr							
Selenium	10	3.2	anr							
Silicon	200	1.7								
Silver	10	1	anr							
Sodium	10000	34	anr							
Strontium	10	.3								
Sulfur	50	3								
Thallium	10	1.8	anr							
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59103 Units: ug/l

Time: Sample ID:			08:31 ICB1		08:46 CCB1		09:35 CCB2		10:34 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.3								
(*) Outside of QC limits										
(anr) Analyte not requested										

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59103 Units: ug/l

Time: Sample ID:			11:36 CCB4		12:35 CCB5		13:34 CCB6		14:35 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	1.7	anr							
Arsenic	3.0	2.1	anr							
Barium	200	.8	0.200	<200	0.200	<200	0.300	<200	0.300	<200
Beryllium	1.0	.3	anr							
Bismuth	20	2.3								
Boron	100	2.3								
Cadmium	3.0	.3	anr							
Calcium	5000	6.6	anr							
Cerium	100									
Chromium	10	.3	anr							
Cobalt	50	.4	anr							
Copper	10	.8	anr							
Iron	100	5.3	anr							
Lead	3.0	1.1	anr							
Lithium	50	4.8								
Magnesium	5000	32	anr							
Manganese	15	.1	anr							
Molybdenum	20	.6								
Nickel	10	.4	anr							
Phosphorus	50	1.2								
Potassium	10000	77	anr							
Selenium	10	3.2	anr							
Silicon	200	1.7								
Silver	10	1	anr							
Sodium	10000	34	anr							
Strontium	10	.3								
Sulfur	50	3								
Thallium	10	1.8	anr							
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59103 Units: ug/l

Time: Sample ID:			11:36 CCB4		12:35 CCB5		13:34 CCB6		14:35 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.3								
(*) Outside of QC limits										
(anr) Analyte not requested										

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59103 Units: ug/l

Time: Sample ID:	RL	IDL	15:34 CCB8 raw	final	16:23 CCB9 raw	final	17:22 CCB10 raw	final	18:21 CCB11 raw	final
Metal										
Aluminum	200	17	anr							
Antimony	6.0	1.7	anr							
Arsenic	3.0	2.1	anr							
Barium	200	.8	0.400	<200	0.600	<200	0.200	<200	0.200	<200
Beryllium	1.0	.3	anr							
Bismuth	20	2.3								
Boron	100	2.3								
Cadmium	3.0	.3	anr							
Calcium	5000	6.6	anr							
Cerium	100									
Chromium	10	.3	anr							
Cobalt	50	.4	anr							
Copper	10	.8	anr							
Iron	100	5.3	anr							
Lead	3.0	1.1	anr							
Lithium	50	4.8								
Magnesium	5000	32	anr							
Manganese	15	.1	anr							
Molybdenum	20	.6								
Nickel	10	.4	anr							
Phosphorus	50	1.2								
Potassium	10000	77	anr							
Selenium	10	3.2	anr							
Silicon	200	1.7								
Silver	10	1	anr							
Sodium	10000	34	anr							
Strontium	10	.3								
Sulfur	50	3								
Thallium	10	1.8	anr							
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59103 Units: ug/l

Time: Sample ID:			15:34 CCB8		16:23 CCB9		17:22 CCB10		18:21 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.3								
(*) Outside of QC limits										
(anr) Analyte not requested										

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59103 Units: ug/l

Time: Sample ID:		19:10 CCB12			
Metal	RL	IDL	raw	final	
Aluminum	200	17	anr		
Antimony	6.0	1.7	anr		
Arsenic	3.0	2.1	anr		
Barium	200	.8	0.300	<200	
Beryllium	1.0	.3	anr		
Bismuth	20	2.3			
Boron	100	2.3			
Cadmium	3.0	.3	anr		
Calcium	5000	6.6	anr		
Cerium	100				
Chromium	10	.3	anr		
Cobalt	50	.4	anr		
Copper	10	.8	anr		
Iron	100	5.3	anr		
Lead	3.0	1.1	anr		
Lithium	50	4.8			
Magnesium	5000	32	anr		
Manganese	15	.1	anr		
Molybdenum	20	.6			
Nickel	10	.4	anr		
Phosphorus	50	1.2			
Potassium	10000	77	anr		
Selenium	10	3.2	anr		
Silicon	200	1.7			
Silver	10	1	anr		
Sodium	10000	34	anr		
Strontium	10	.3			
Sulfur	50	3			
Thallium	10	1.8	anr		
Tin	10	.8			
Titanium	10	.5			
Tungsten	50	2.6			
Vanadium	50	.6	anr		

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59103 Units: ug/l

Time:		19:10		
Sample ID:		CCB12		
Metal	RL	IDL	raw	final

Zinc 20 .1 anr

Zirconium 10 .3

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59103 Units: ug/l

Time: Sample ID: ICCV		08:41 ICCV1		
Metal	True	Results	% Rec	
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	2000	1980	99.0	
Beryllium	anr			
Bismuth				
Boron				
Cadmium	anr			
Calcium	anr			
Cerium				
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	anr			
Lithium				
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Phosphorus				
Potassium	anr			
Selenium	anr			
Silicon				
Silver	anr			
Sodium	anr			
Strontium				
Sulfur				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59103 Units: ug/l

Time:		08:41	
Sample ID:		ICCV1	
Metal	True	Results	% Rec

Zinc anr

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

6.1.4
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59103 Units: ug/l

Time: Sample ID:		08:15 ICV2	% Rec	CCV	09:30 CCV1	% Rec	CCV	10:30 CCV2	% Rec
Metal	ICV True	Results		True	Results		True	Results	
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	2000	2000	100.0	2000	1990	99.5	2000	1960	98.0
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Sulfur									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59103 Units: ug/l

Time:		08:15			09:30			10:30		
Sample ID:	ICV	ICV2		CCV	CCV1		CCV	CCV2		
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec	

Zinc anr

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

6.1.5

6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59103 Units: ug/l

Time: Sample ID:		11:31 CCV3		12:30 CCV4		13:29 CCV5			
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	2000	1980	99.0	2000	1980	99.0	2000	1950	97.5
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Sulfur									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59103 Units: ug/l

Time:		11:31		12:30		13:29			
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec

Zinc anr

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59103 Units: ug/l

Time: Sample ID:		14:30 CCV6		15:29 CCV7		16:19 CCV8			
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	2000	1990	99.5	2000	2000	100.0	2000	2040	102.0
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Sulfur									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59103 Units: ug/l

Time:		14:30		15:29		16:19	
Sample ID:		CCV		CCV		CCV	
Metal		True		True		True	
		Results	% Rec	Results	% Rec	Results	% Rec

Zinc anr

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

6.1.5

6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59103 Units: ug/l

Time: Sample ID:		17:17 CCV9		18:16 CCV10		19:05 CCV11			
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	2000	2070	103.5	2000	2020	101.0	2000	2000	100.0
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Sulfur									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59103 Units: ug/l

Time:		17:17			18:16			19:05		
Sample ID:		CCV	CCV9	CCV	CCV10	CCV	CCV11	CCV	CCV11	
Metal		True	Results	% Rec	True	Results	% Rec	True	Results	% Rec

Zinc anr

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

6.1.5

6

HIGH STANDARD CHECK SUMMARY

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
 QC Limits: 90 to 110 % Recovery Run ID: MA59103 Units: ug/l

Time: Sample ID:		09:14 HSTD1	% Rec	09:19 HSTD2	% Rec
Metal	HSTD	Results		Results	
Aluminum					
Antimony	anr				
Arsenic	anr				
Barium	8000	7810	97.6		
Beryllium	anr				
Bismuth					
Boron					
Cadmium	anr				
Calcium					
Cerium					
Chromium	anr				
Cobalt	anr				
Copper	anr				
Iron					
Lead	anr				
Lithium					
Magnesium					
Manganese	anr				
Molybdenum					
Nickel	anr				
Phosphorus					
Potassium					
Selenium	anr				
Silicon					
Silver	anr				
Sodium					
Strontium					
Sulfur					
Thallium	anr				
Tin					
Titanium					
Tungsten					
Vanadium	anr				

HIGH STANDARD CHECK SUMMARY

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
 QC Limits: 90 to 110 % Recovery Run ID: MA59103 Units: ug/l

Time:		09:14		09:19	
Sample ID:		HSTD		HSTD	
Metal		True		True	
		HSTD1		HSTD2	
		Results % Rec		Results % Rec	

Zinc anr

Zirconium

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.6

6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
 QC Limits: 80 to 120 % Recovery Run ID: MA59103 Units: ug/l

Time: Sample ID:	CRI	CRIA	CRID	08:59 CRID1	% Rec	09:40 CRI2	% Rec
Metal	True	True	True	Results		Results	
Aluminum	200	500	100	anr			
Antimony	6.0	20	3.0				
Arsenic	8.0	20	3.0	anr			
Barium	200		4.0	3.90	97.5	198	99.0
Beryllium	2.0		1.0	anr			
Bismuth	20						
Boron	100		10				
Cadmium	3.0		1.0	anr			
Calcium	5000	2000	1000	anr			
Cerium							
Chromium	10		2.0	anr			
Cobalt	50		3.0	anr			
Copper	10		2.0				
Iron	100	500					
Lead	3.0	20	2.5				
Lithium	50						
Magnesium	5000	2000	100	anr			
Manganese	15		3.0	anr			
Molybdenum	20						
Nickel	10		4.0	anr			
Phosphorus	50						
Potassium	5000		2000	anr			
Selenium	10	20	5.0	anr			
Silicon	200						
Silver	5.0		2.0				
Sodium	5000		1000	anr			
Strontium	10						
Sulfur	50						
Thallium	10		2.0				
Tin	10						
Titanium	10						
Tungsten	50						
Vanadium	50		2.0	anr			

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
 QC Limits: 80 to 120 % Recovery Run ID: MA59103 Units: ug/l

Time:				08:59		09:40	
Sample ID:	CRI	CRIA	CRID	CRID1		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec

Zinc	20		10	anr			
Zirconium	10						

(*) Outside of QC limits
 (anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
 QC Limits: 80 to 120 % Recovery Run ID: MA59103 Units: ug/l

Time: Sample ID:	ICSA True	ICSAB True	09:04 ICSA1 Results	% Rec	09:09 ICSAB1 Results	% Rec
Metal						
Aluminum	500000	500000	480000	96.0	473000	94.6
Antimony		1000	2.20		1040	104.0
Arsenic		1000	1.90		1010	101.0
Barium		500	6.90		485	97.0
Beryllium		500	-0.500		477	95.4
Bismuth		500	-4.80		513	102.6
Boron		500	2.00		528	105.6
Cadmium		1000	0.800		1080	108.0
Calcium	400000	400000	357000	89.3	355000	88.8
Cerium			11.5		520*	
Chromium		500	-1.00		468	93.6
Cobalt		500	0.400		499	99.8
Copper		500	2.10		523	104.6
Iron	200000	200000	177000	88.5	173000	86.5
Lead		1000	1.90		959	95.9
Lithium		500	-1.70		525	105.0
Magnesium	500000	500000	478000	95.6	477000	95.4
Manganese		500	-5.40		505	101.0
Molybdenum		500	1.70		509	101.8
Nickel		1000	-1.20		986	98.6
Phosphorus		500	-22.3		502	100.4
Potassium			-92.6		-54.0	
Selenium		1000	4.50		1020	102.0
Silicon		500	1.80		651	130.2*
Silver		1000	0.200		1090	109.0
Sodium			44.9		54.6	
Strontium		500	0.800		486	97.2
Sulfur		500	-13.6		488	97.6
Thallium		1000	3.40		976	97.6
Tin		500	-1.70		491	98.2
Titanium		500	-1.40		483	96.6
Tungsten		500	-1.90		501	100.2
Vanadium		500	-0.700		495	99.0

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA59103 Units: ug/l

Time:			09:04		09:09	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec

Zinc		1000	3.80		959	95.9
Zirconium		500	-7.80		440	88.0

(*) Outside of QC limits
(anr) Analyte not requested

6.1.8

6

BLANK RESULTS SUMMARY
Part 2 - Method BlanksLogin Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NYQC Batch ID: MP56401
Matrix Type: AQUEOUSMethods: SW846 6010D
Units: ug/l

Prep Date: 08/07/25 08/07/25

Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	200	17	150				
Antimony	6.0	1.7	4.7				
Arsenic	3.0	2.1	2.8				
Barium	200	.8	13	0.10	<200	0.30	<200
Beryllium	1.0	.3	.5				
Bismuth	20	2.3	8.6				
Boron	100	2.3	10				
Cadmium	3.0	.3	1				
Calcium	5000	6.6	99				
Cerium	100						
Chromium	10	.3	2				
Cobalt	50	.4	2.6				
Copper	10	.8	5.9				
Iron	100	5.3	32				
Lead	3.0	1.1	1.8				
Lithium	50	4.8	7.3				
Magnesium	5000	32	140				
Manganese	15	.1	1.4				
Molybdenum	20	.6	3.6				
Nickel	10	.4	1.7				
Phosphorus	50	1.2	18				
Potassium	10000	77	200				
Selenium	10	3.2	4.9				
Silicon	200	1.7	32				
Silver	10	1	6.1				
Sodium	10000	34	570				
Strontium	10	.3	2.7				
Sulfur	50	3	45				
Thallium	10	1.8	1.8				
Tin	10	.8	3.7				
Titanium	10	.5	2.5				
Tungsten	50	2.6	40				
Vanadium	50	.6	1.8				

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

QC Batch ID: MP56401
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 08/07/25 08/07/25

Metal	RL	IDL	MDL	MB raw	final	MB raw	final
-------	----	-----	-----	-----------	-------	-----------	-------

Zinc 20 .1 6.9

Zirconium 10 .3 4.1

Associated samples MP56401: JE16518-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.2.2

Account: SESINJPB - SESI Consulting Engineers

QC Batch ID: MP56401
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

08/07/25

Page 1

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

QC Batch ID: MP56401
 Matrix Type: AQUEOUS

Methods: SW846 6010D
 Units: ug/l

Prep Date: 08/07/25 08/07/25

Metal	BSP Result	Spike lot MPSPK2	% Rec	QC Limits	BSP Result	Spike lot MPSPK2	% Rec	QC Limits
-------	---------------	---------------------	-------	--------------	---------------	---------------------	-------	--------------

Zinc

Zirconium

Associated samples MP56401: JE16518-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.2.2

6

Instrument Detection Limits

Page 1 of 1

Job Number: JE16518

Account: SESINJPB SESI Consulting Engineers

Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

Instrument ID: SSTRACE3

Effective Date: 02/11/21

Analyte	IDL ug/l
Aluminum	16.6
Antimony	1.7
Arsenic	2.1
Barium	.8
Beryllium	.3
Bismuth	2.3
Boron	2.3
Cadmium	.3
Calcium	6.6
Chromium	.3
Cobalt	.4
Copper	.8
Iron	5.3
Lead	1.1
Lithium	4.8
Magnesium	32.3
Manganese	.1
Molybdenum	.6
Nickel	.4
Phosphorus	1.2
Potassium	76.5
Selenium	3.2
Silicon	1.7
Silver	1
Sodium	34.4
Sulfur	3
Strontium	.3
Thallium	1.8
Tin	.8
Titanium	.5
Tungsten	2.6
Vanadium	.6
Yttrium	5
Zinc	.1
Zirconium	.3

The above applies to the following instrument runs:
MA59103

Instrument Linear Ranges

Job Number: JE16518
Account: SESINJPB SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

Instrument ID: SSTRACE3	Effective Date: 08/22/19
-------------------------	--------------------------

Analyte	Linear Range ug/l
Aluminum	300000
Antimony	8000
Arsenic	8000
Barium	8000
Beryllium	8000
Bismuth	8000
Boron	8000
Cadmium	8000
Calcium	200000
Cerium	8000
Chromium	8000
Cobalt	8000
Copper	8000
Iron	200000
Lead	8000
Lithium	8000
Magnesium	300000
Manganese	8000
Molybdenum	8000
Nickel	8000
Palladium	8000
Phosphorus	8000
Potassium	200000
Selenium	8000
Silicon	25000
Silver	625
Sodium	200000
Sulfur	100000
Strontium	8000
Thallium	8000
Tin	8000
Titanium	8000
Tungsten	8000
Vanadium	8000
Zinc	8000
Zirconium	8000

The above applies to the following instrument runs:
MA59103



Metals Analysis

Raw Data

7

Zoom In
Zoom Out

Sample Name: CCV Acquired: 8/7/2025 14:30:55 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2398	39.04	1.993	1.975	1.990	1.957	1.928	38.98	1.985
Stddev	.0008	.11	.006	.004	.006	.002	.006	.22	.003
%RSD	.3351	.2912	.2877	.1841	.2982	.1173	.3300	.5675	.1468
#1	.2400	38.91	1.989	1.975	1.984	1.955	1.930	38.73	1.984
#2	.2406	39.09	1.991	1.971	1.992	1.958	1.921	39.11	1.983
#3	.2390	39.11	2.000	1.978	1.995	1.960	1.933	39.12	1.989

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.970	1.998	1.952	1.885	39.20	40.27	1.989	38.22	1.998
Stddev	.003	.002	.003	.002	.06	.09	.005	.24	.002
%RSD	.1449	.1034	.1540	.0928	.1587	.2230	.2592	.6300	.1113
#1	1.973	1.996	1.950	1.884	39.13	40.17	1.983	37.94	2.000
#2	1.968	1.998	1.950	1.887	39.25	40.35	1.990	38.39	1.996
#3	1.969	2.000	1.955	1.884	39.23	40.30	1.994	38.33	1.999

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.954	40.75	2.011	1.982	2.003	2.095	1.959	1.991	4.926
Stddev	.002	.07	.004	.006	.002	.008	.005	.004	.015
%RSD	.0882	.1638	.1730	.3091	.0894	.3907	.2809	.1969	.2998
#1	1.955	40.67	2.007	1.983	2.001	2.094	1.963	1.993	4.934
#2	1.952	40.79	2.014	1.975	2.004	2.087	1.953	1.986	4.909
#3	1.955	40.79	2.012	1.987	2.003	2.104	1.960	1.993	4.935

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

Raw Data MA59103 page 1 of 267

Zoom In
Zoom Out

Sample Name: CCV Acquired: 8/7/2025 14:30:55 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.952	1.953	1.940	1.980	1.950	1.969	1.987	1.975
Stddev	.006	.052	.003	.002	.000	.005	.005	.002
%RSD	.2943	2.688	.1374	.1010	.0168	.2444	.2468	.1070
#1	1.947	1.895	1.939	1.980	1.950	1.969	1.981	1.977
#2	1.950	1.997	1.939	1.982	1.950	1.964	1.988	1.973
#3	1.958	1.968	1.943	1.978	1.950	1.974	1.991	1.974

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5568.5	81696.	22953.	3077.7
Stddev	13.5	52.	123.	9.0
%RSD	.24283	.06358	.53391	.29268
#1	5578.9	81755.	23090.	3082.1
#2	5573.4	81656.	22853.	3083.7
#3	5553.3	81677.	22916.	3067.3

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.954	40.75	2.011	1.982	2.003	2.095	1.959	1.991	4.926
Stddev	.002	.07	.004	.006	.002	.008	.005	.004	.015
%RSD	.0882	.1638	.1730	.3091	.0894	.3907	.2809	.1969	.2998
#1	1.955	40.67	2.007	1.983	2.001	2.094	1.963	1.993	4.934
#2	1.952	40.79	2.014	1.975	2.004	2.087	1.953	1.986	4.909
#3	1.955	40.79	2.012	1.987	2.003	2.104	1.960	1.993	4.935

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

Raw Data MA59103 page 2 of 267

Zoom In
Zoom Out

Sample Name: CCB Acquired: 8/7/2025 14:35:35 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	.0051	.0004	.0088	.0003	.0002	-.0012	.0039	.0003
Stddev	.0007	.0043	.0013	.0004	.0001	.0000	.0025	.0006	.0001
%RSD	140.5	82.99	348.4	4.682	34.45	10.11	202.5	14.82	30.27
#1	-.0012	.0093	.0011	.0092	.0004	.0002	.0015	.0041	.0002
#2	-.0006	.0053	-.0012	.0088	.0003	.0002	-.0034	.0033	.0004
#3	.0002	.0008	.0012	.0084	.0002	.0002	-.0018	.0044	.0003

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032	.0003	.0004	.0002	.0057	.1857	-.0005	.0139	.0002
Stddev	.0024	.0004	.0001	.0002	.0010	.0270	.0006	.0074	.0000
%RSD	73.71	155.1	14.14	122.4	18.00	14.56	118.5	53.28	12.05
#1	.0037	.0007	.0005	.0002	.0066	.1884	-.0009	.0184	.0002
#2	.0006	.0001	.0004	.0004	.0060	.2112	-.0008	.0054	.0003
#3	.0053	-.0000	.0005	-.0001	.0046	.1574	.0002	.0181	.0002

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	1.155	.0003	.0005	-.0004	F .0948	.0005	-.0007	.0046
Stddev	.0004	.007	.0004	.0014	.0011	.0048	.0013	.0020	.0014
%RSD	24.47	.6241	139.1	290.8	264.1	5.099	279.7	291.7	31.18
#1	.0019	1.160	.0002	-.0003	-.0004	.0941	.0009	.0011	.0029
#2	.0012	1.159	.0007	-.0004	.0007	.0904	-.0010	-.0029	.0056
#3	.0017	1.147	-.0001	.0021	-.0015	.1000	.0016	-.0003	.0051

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

Raw Data MA59103 page 3 of 267

Zoom In
Zoom Out

Sample Name: CCB Acquired: 8/7/2025 14:35:35 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0002	.0003	.0005	.0008	.0052	.0001	.0004
Stddev	.0007	.0000	.0004	.0026	.0001	.0006	.0002	.0001
%RSD	191.9	18.50	146.8	475.7	12.46	12.24	269.4	13.87
#1	.0011	.0002	.0007	.0021	.0009	.0059	.0002	.0003
#2	-.0003	.0002	.0004	-.0024	.0007	.0050	-.0000	.0004
#3	.0002	.0003	-.0002	.0020	.0007	.0046	-.0000	.0004

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5427.1	81696.	23558.	3131.2
Stddev	15.1	449.	125.	12.6
%RSD	.27834	.54907	.52941	.40336
#1	5442.1	81207.	23696.	3143.2
#2	5411.9	82089.	23457.	3118.0
#3	5427.3	81791.	23515.	3132.3

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

Raw Data MA59103 page 4 of 267

Sample Name: JE16541-5 Acquired: 8/7/2025 14:40:30 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	.3204	-.0008	2.288	.0938	-.0005	.0046	F 223.0
Stddev	.0004	.0052	.0001	.017	.0003	.0000	.0005	2.4
%RSD	22.00	1.625	15.52	.7588	.2868	8.548	11.06	1.091
#1	.0019	.3162	-.0007	2.269	.0934	-.0004	.0045	225.6
#2	.0012	.3262	-.0009	2.289	.0939	-.0004	.0051	222.4
#3	.0017	.3189	-.0009	2.304	.0939	-.0005	.0041	220.9
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0028	-.0011	.0001	.0012	.0444	.0562	F 251.2	.1053
Stddev	.0003	.0045	.0004	.0001	.0004	.0012	.3	.0011
%RSD	11.66	411.0	395.6	12.14	1.001	2.149	.1336	1.077
#1	-.0025	.0041	.0004	.0011	.0441	.0566	250.9	.1041
#2	-.0031	-.0034	-.0004	.0012	.0449	.0571	251.6	.1057
#3	-.0026	-.0039	.0002	.0013	.0441	.0548	251.1	.1062
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 532.9	.0011	.0065	*****	.0006	.0149	F -.0047	F 432.7
Stddev	1.5	.0001	.0002	----	.0003	.0007	.0018	1.8
%RSD	.2548	5.050	2.610	----	51.11	4.416	38.33	.4075
#1	594.7	.0011	.0066	----	.0009	.0156	-.0039	430.7
#2	592.0	.0010	.0066	----	.0007	.0144	-.0068	433.4
#3	592.0	.0011	.0063	----	.0003	.0146	-.0035	434.0
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	-.0023	2.067	-.0041	4.190	-.0005	-.0065	.0023
Stddev	.0011	.0007	.019	.0008	.069	.0003	.0021	.0003
%RSD	116.9	28.37	.9054	19.13	1.653	63.93	31.65	10.99
#1	.0021	-.0031	2.048	-.0049	4.171	-.0003	-.0056	.0025
#2	-.0002	-.0019	2.069	-.0039	4.132	-.0003	-.0051	.0020
#3	.0010	-.0020	2.085	-.0034	4.267	-.0008	-.0089	.0024

Raw Data MA59103 page 5 of 267

Sample Name: JE16541-5 Acquired: 8/7/2025 14:40:30 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	
Avg	.0023	.0040	.0002	
Stddev	.0010	.0001	.0001	
%RSD	43.44	2.287	66.90	
#1	.0014	.0040	.0003	
#2	.0033	.0040	.0002	
#3	.0021	.0039	.0001	
Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5067.2	81455.	20676.	2813.8
Stddev	12.1	472.	131.	9.0
%RSD	.23895	.57885	.63385	.31837
#1	5081.1	81862.	20544.	2824.0
#2	5059.4	81566.	20678.	2810.2
#3	5061.1	80938.	20806.	2807.2

Raw Data MA59103 page 6 of 267

Sample Name: MP56418-S1 Acquired: 8/7/2025 14:45:41 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0808	23.70	1.912	4.072	1.977	1.873	-.0099	246.6
Stddev	.0008	.13	.017	.036	.015	.011	.0033	.5
%RSD	.9357	.5673	.8812	.8944	.7517	.5882	32.92	.1888
#1	.0812	23.57	1.893	4.036	1.960	1.862	-.0126	246.1
#2	.0799	23.70	1.918	4.072	1.981	1.873	-.0109	246.6
#3	.0812	23.84	1.925	4.109	1.989	1.884	-.0063	247.1
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.052	-.0130	2.024	1.849	1.819	23.01	245.3	.0834
Stddev	.020	.0131	.024	.009	.016	.04	1.8	.0036
%RSD	.9493	100.6	1.177	.4796	.8557	.1952	.7524	4.322
#1	2.035	-.0118	2.003	1.841	1.801	22.96	243.5	.0812
#2	2.048	-.0006	2.019	1.846	1.826	23.03	245.1	.0815
#3	2.073	-.0266	2.050	1.858	1.830	23.04	247.2	.0876
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	590.1	1.902	1.930	F 4729.	2.019	.0086	2.038	443.6
Stddev	.5	.010	.018	.77	.023	.0067	.039	4.4
%RSD	.0876	.5140	.9207	1.630	1.138	78.00	1.910	.9870
#1	590.5	1.897	1.916	4818.	2.000	.0158	2.002	439.1
#2	589.5	1.895	1.924	4686.	2.012	.0072	2.032	443.7
#3	590.2	1.913	1.950	4683.	2.044	.0026	2.079	447.9
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.932	1.947	1.819	1.917	5.732	1.818	W 2.076	1.845
Stddev	.012	.013	.021	.023	.047	.012	.027	.010
%RSD	.6186	.6649	1.170	1.206	.8260	.6779	1.288	.5248
#1	1.920	1.933	1.801	1.895	5.680	1.806	2.053	1.836
#2	1.933	1.952	1.814	1.916	5.744	1.817	2.069	1.843
#3	1.943	1.957	1.842	1.941	5.772	1.831	2.105	1.855

Raw Data MA59103 page 7 of 267

Sample Name: MP56418-S1 Acquired: 8/7/2025 14:45:41 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	
Avg	1.620	1.889	1.884	
Stddev	.035	.022	.012	
%RSD	2.135	1.180	.6242	
#1	1.591	1.869	1.873	
#2	1.611	1.884	1.881	
#3	1.658	1.913	1.896	
Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5548.4	83525.	21465.	3109.7
Stddev	7.4	446.	308.	4.4
%RSD	.13282	.53441	1.4338	.14102
#1	5545.0	83071.	21110.	3105.6
#2	5556.8	83963.	21633.	3109.1
#3	5543.3	83540.	21652.	3114.3

Raw Data MA59103 page 8 of 267

Sample Name: MP56418-S2 Acquired: 8/7/2025 14:50:30 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0847	24.61	1.975	4.218	2.025	1.907	-.0086	256.1
Stddev	.0024	.17	.023	.065	.018	.018	.0080	3.4
%RSD	2.810	.7029	1.159	1.529	.9113	.9454	93.56	1.335
#1	.0820	24.44	1.951	4.149	2.011	1.890	-.0177	252.6
#2	.0866	24.60	1.978	4.227	2.018	1.905	-.0055	256.3
#3	.0854	24.79	1.996	4.278	2.046	1.926	-.0026	259.4
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.103	-.0114	2.075	1.896	1.874	24.36	253.7	.0912
Stddev	.029	.0042	.029	.012	.015	.32	3.4	.0013
%RSD	1.383	36.75	1.398	.6511	.7972	1.302	1.344	1.390
#1	2.073	-.0090	2.047	1.882	1.860	24.03	250.3	.0921
#2	2.104	-.0163	2.073	1.901	1.874	24.40	253.7	.0898
#3	2.131	-.0090	2.105	1.905	1.889	24.66	257.1	.0918
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	616.1	1.946	2.003	F 5029.	2.078	.0109	2.103	466.7
Stddev	9.3	.009	.023	112.	.029	.0072	.028	7.1
%RSD	1.502	.4486	1.150	2.216	1.381	66.61	1.331	1.519
#1	606.7	1.937	1.979	5043.	2.052	.0035	2.076	459.4
#2	616.4	1.950	2.005	5133.	2.073	.0180	2.103	467.1
#3	625.2	1.953	2.024	4912.	2.109	.0111	2.132	473.5
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.018	1.971	1.895	1.983	5.938	1.896	W 2.126	1.895
Stddev	.023	.025	.031	.025	.052	.012	.015	.016
%RSD	1.142	1.243	1.619	1.257	.8803	.6312	.6912	.8223
#1	2.002	1.949	1.863	1.959	5.890	1.883	2.115	1.877
#2	2.007	1.967	1.896	1.982	5.931	1.898	2.119	1.901
#3	2.044	1.997	1.924	2.009	5.994	1.907	2.142	1.906

Raw Data MA59103 page 9 of 267

Sample Name: MP56418-S2 Acquired: 8/7/2025 14:50:30 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.763	1.918	1.979
Stddev	.024	.026	.008
%RSD	1.376	1.373	.4065
#1	1.736	1.890	1.969
#2	1.770	1.921	1.982
#3	1.783	1.943	1.984
Int. Std.	In2306	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	5533.1	83656.	21491.
Stddev	10.8	376.	195.
%RSD	.19595	.44915	.90650
#1	5543.1	83609.	21713.
#2	5534.5	83305.	21413.
#3	5521.6	84052.	21347.

Y_2243	Cts/S	3117.4
Stddev	7.8	
%RSD		
#1	3126.3	
#2	3113.5	
#3	3112.3	

7.1

7

Raw Data MA59103 page 10 of 267

Sample Name: JE16544-1 Acquired: 8/7/2025 14:55:17 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	.1885	.0017	2.165	.0884	-.0004	.0146	228.1	-.0030
Stddev	.0010	.0307	.0078	.026	.0011	.0002	.0031	.8	.0009
%RSD	194.8	16.28	451.6	1.213	1.270	54.96	21.05	.3341	28.82
#1	-.0006	.1826	.0040	2.140	.0872	-.0006	.0181	227.3	-.0021
#2	-.0015	.1612	-.0069	2.163	.0893	-.0003	.0136	228.2	-.0032
#3	.0005	.2217	.0080	2.193	.0888	-.0002	.0122	228.8	-.0038
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049	-.0013	.0016	-.0056	.0463	226.6	.0929	579.9	.0008
Stddev	.0128	.0007	.0005	.0031	.0020	1.9	.0036	.7	.0001
%RSD	259.5	51.60	30.01	56.40	4.392	.8580	3.896	.1223	10.31
#1	.0185	-.0012	.0017	-.0028	.0476	224.4	.0949	579.1	.0007
#2	.0033	-.0020	.0021	-.0049	.0473	227.1	.0951	580.1	.0008
#3	-.0070	-.0007	.0011	-.0090	.0439	228.2	.0887	580.5	.0008
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0076	F 4963.	.0020	.0196	.0001	449.7	-.0068	-.0065	1.857
Stddev	.0011	.72	.0026	.0085	.0057	4.2	.0089	.0066	.018
%RSD	13.79	1.458	132.1	43.26	5418.	.9344	131.9	101.1	.9734
#1	.0074	5013.	.0047	.0293	-.0061	446.1	.0020	-.0044	1.847
#2	.0067	4997.	-.0004	.0162	.0052	448.7	-.0064	-.0140	1.846
#3	.0088	4880.	.0016	.0134	.0013	454.3	-.0159	-.0012	1.878
Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-.0139	3.906	-.0017	-.0116	.0052	.0620	.0008	.0044	
Stddev	.0034	.042	.0014	.0093	.0013	.0070	.0005	.0007	
%RSD	24.56	1.077	83.17	80.36	25.12	11.32	59.84	15.89	
#1	-.0145	3.861	-.0027	-.0193	.0061	.0678	.0007	.0047	
#2	-.0169	3.912	-.0022	-.0142	.0058	.0640	.0004	.0049	
#3	-.0102	3.944	-.0001	-.0012	.0037	.0542	.0013	.0036	

Raw Data MA59103 page 11 of 267

Sample Name: JE16544-1 Acquired: 8/7/2025 14:55:17 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5547.2	84119.	21576.	3157.3
Stddev	15.7	241.	256.	12.1
%RSD	.28222	.28671	1.1880	.38277
#1	5529.1	83865.	21296.	3144.0
#2	5555.9	84345.	21634.	3160.1
#3	5556.4	84147.	21799.	3167.7

3167.7		
Stddev		
%RSD		
#1		
#2		
#3		

7.1

7

Raw Data MA59103 page 12 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-SD1 Acquired: 8/7/2025 15:00:15 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.081	.1806	.0057	2.344	.0777	-0.0015	-0.0008	205.2	-0.062
Stddev	.0112	.1037	.0387	.119	.0006	.0003	.0304	6.2	.0008
%RSD	138.3	57.41	674.0	5.085	.7707	19.66	3846.	3.043	12.20

#1	-.0065	.2518	.0319	2.223	.0772	-.0016	.0245	199.0	-.0059
#2	.0022	.2283	.0240	2.348	.0784	-.0017	-.0345	205.3	-.0056
#3	-.0201	.0617	-.0387	2.461	.0775	-.0012	.0076	211.4	-.0070

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0234	-0.0050	-0.0025	.0472	.0201	190.1	.0805	513.2	.0011
Stddev	.0799	.0025	.0039	.0190	.0082	6.5	.0070	15.0	.0009
%RSD	341.1	49.68	157.2	40.20	40.96	3.414	8.712	2.933	90.06

#1	.0529	-.0056	.0012	.0262	.0277	183.5	.0870	499.4	.0003
#2	-.1064	-.0023	-.0066	.0521	.0213	190.4	.0816	511.0	.0021
#3	-.0168	-.0072	-.0021	.0632	.0113	196.4	.0730	529.3	.0007

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0135	4509.	.0068	.0800	.0088	478.0	-0.0199	-0.0589	1.949
Stddev	.0059	114.	.0120	.0191	.0252	30.5	.0108	.0565	.133
%RSD	44.03	2.528	176.0	23.86	287.2	6.376	54.28	95.84	6.800

#1	.0173	4442.	-.0068	.0588	.0350	448.5	-.0168	-.0274	1.823
#2	.0166	4444.	.0113	.0853	-.0153	476.0	-.0320	-.0252	1.937
#3	.0066	4640.	.0159	.0959	.0067	509.4	-.0110	-.1241	2.088

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.0091	3.367	-0.0005	-0.0561	.0033	.1915	.0170	.0113	
Stddev	.0056	.110	.0021	.0347	.0047	.0279	.0038	.0063	
%RSD	61.21	3.267	426.7	61.85	141.7	14.59	22.16	55.87	

#1	-.0027	3.255	.0019	-.0662	.0032	.2238	.0142	.0082	
#2	-.0130	3.370	-.0022	-.0175	.0081	.1745	.0155	.0072	
#3	-.0116	3.475	-.0011	-.0846	-.0013	.1763	.0212	.0186	

Raw Data MA59103 page 13 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-SD1 Acquired: 8/7/2025 15:00:15 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5474.3	82157.	21933.	3143.4
Stddev	6.0	324.	131.	3.4
%RSD	.10967	.39405	.59928	.10840

#1	5467.6	81801.	21905.	3144.2
#2	5476.0	82434.	22076.	3146.4
#3	5479.2	82236.	21818.	3139.7

Raw Data MA59103 page 14 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-S1 Acquired: 8/7/2025 15:05:16 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0865	25.60	1.942	5.056	1.998	1.806	-0.0122	302.4
Stddev	.0019	.06	.010	.058	.011	.009	.0068	2.5
%RSD	2.225	.2262	.5275	1.145	.5509	.4679	55.42	.8388

#1	.0843	25.54	1.931	4.989	1.986	1.899	-.0054	302.2
#2	.0874	25.60	1.943	5.089	2.003	1.903	-.0124	300.0
#3	.0878	25.66	1.952	5.090	2.006	1.916	-.0189	305.0

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.070	-0.0167	2.031	1.869	1.887	24.41	297.6	.1196
Stddev	.013	.0125	.018	.004	.007	.11	3.6	.0045
%RSD	.6372	74.75	.8590	.2207	.3619	.4645	1.213	3.787

#1	2.056	-.0190	2.013	1.865	1.889	24.46	293.9	.1195
#2	2.073	-.0032	2.034	1.873	1.903	24.28	297.7	.1151
#3	2.081	-.0279	2.048	1.868	1.899	24.50	301.1	.1241

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	874.6	1.948	1.964	F 6308.	2.036	.0563	2.065	F 596.5
Stddev	9.4	.001	.016	162.	.017	.0024	.014	5.9
%RSD	1.078	.0411	.8243	2.573	.8488	4.188	.6712	.9876

#1	875.8	1.947	1.947	6292.	2.020	.0591	2.050	589.7
#2	864.7	1.948	1.966	6154.	2.033	.0550	2.069	599.2
#3	883.4	1.948	1.979	6478.	2.054	.0550	2.077	600.5

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.989	1.966	1.360	1.948	7.199	1.872	W 2.119	1.874
Stddev	.013	.032	.020	.014	.049	.007	.009	.003
%RSD	.6425	1.627	1.442	.7310	.6795	.3630	.4111	.1606

#1	1.974	1.929	1.340	1.938	7.142	1.866	2.129	1.871
#2	1.995	1.987	1.361	1.943	7.225	1.879	2.114	1.877
#3	1.997	1.982	1.379	1.965	7.229	1.870	2.114	1.873

Raw Data MA59103 page 15 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-S1 Acquired: 8/7/2025 15:05:16 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	
Avg	1.694	1.878	1.974	
Stddev	.016	.015	.005	
%RSD	.9654	.8059	.2639	

#1	1.678	1.865	1.970	
#2	1.693	1.875	1.980	
#3	1.711	1.895	1.971	

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5481.1	82951.	21287.	3084.1
Stddev	24.2	36.	248.	17.3
%RSD	.44111	.04295	1.1637	.56038

#1	5509.4	82977.	21211.	3098.7
#2	5463.6	82910.	21564.	3065.0
#3	5500.2	82965.	21086.	3088.7

Raw Data MA59103 page 16 of 267

[◀ Zoom In ▶](#)
[Zoom Out](#)

Sample Name: MP56417-S2 Acquired: 8/7/2025 15:10:04 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0859	25.02	1.998	4.956	1.986	1.923	-.0105	280.2
Stddev	.0021	.06	.024	.079	.006	.008	.0055	1.4
%RSD	2.414	.2340	1.178	1.601	.3283	.4269	52.11	.5077
#1	.0883	24.96	1.974	4.885	1.980	1.916	-.0117	279.0
#2	.0846	25.03	1.999	4.940	1.987	1.922	-.0152	279.9
#3	.0848	25.08	2.021	5.041	1.992	1.932	-.0045	281.8
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.122	-.0263	2.075	1.888	1.918	24.19	277.3	-.1056
Stddev	.024	.0086	.022	.011	.004	.09	3.2	.0026
%RSD	1.112	32.67	1.043	.5694	.1871	.3584	1.155	2.445
#1	2.101	-.0277	2.058	1.884	1.914	24.14	274.2	.1075
#2	2.117	-.0171	2.067	1.880	1.919	24.14	277.0	.1067
#3	2.148	-.0342	2.099	1.900	1.920	24.29	280.6	.1027
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	801.8	1.950	2.017	F 5923.	2.072	.0523	2.092	F 566.4
Stddev	4.3	.012	.020	30.	.027	.0072	.028	7.9
%RSD	.5303	.6073	1.007	.5082	1.304	13.80	1.349	1.389
#1	798.4	1.939	1.996	5898.	2.049	.0511	2.063	559.6
#2	800.4	1.949	2.017	5957.	2.067	.0458	2.093	564.7
#3	806.5	1.963	2.036	5915.	2.102	.0601	2.120	575.0
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.040	2.020	1.309	1.998	6.845	1.899	W 2.157	1.887
Stddev	.027	.032	.018	.018	.031	.008	.019	.011
%RSD	1.308	1.603	1.341	.8857	.4537	.4267	.9011	.5762
#1	2.011	1.988	1.298	1.985	6.813	1.898	2.135	1.877
#2	2.045	2.018	1.300	1.990	6.847	1.891	2.174	1.884
#3	2.064	2.053	1.329	2.018	6.875	1.907	2.160	1.899

Raw Data MA59103 page 17 of 267

[◀ Zoom In ▶](#)
[Zoom Out](#)

Sample Name: MP56417-S2 Acquired: 8/7/2025 15:10:04 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	
Avg	1.785	1.924	1.982	
Stddev	.014	.022	.008	
%RSD	.7737	1.162	.3927	
#1	1.770	1.904	1.974	
#2	1.787	1.919	1.982	
#3	1.797	1.948	1.990	
Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5500.3	83838.	21379.	3070.1
Stddev	22.3	309.	62.	12.9
%RSD	.4059	.36908	.29084	.42084
#1	5479.2	84188.	21337.	3058.0
#2	5523.7	83602.	21450.	3083.7
#3	5498.0	83723.	21349.	3068.7

Raw Data MA59103 page 18 of 267

[◀ Zoom In ▶](#)
[Zoom Out](#)

Sample Name: JE16540-1 Acquired: 8/7/2025 15:14:53 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	.3407	.0036	3.161	.0385	-.0008	.0078	272.2	-.0036
Stddev	.0004	.0332	.0035	.033	.0007	.0000	.0130	1.9	.0006
%RSD	69.03	9.742	95.72	1.045	1.787	3.143	165.5	.6961	16.28
#1	-.0001	.3029	.0020	3.136	.0377	-.0007	.0206	270.3	-.0035
#2	-.0007	.3540	.0076	3.148	.0390	-.0008	.0053	272.4	-.0031
#3	-.0009	.3651	.0012	3.198	.0389	-.0008	.0082	274.0	-.0042
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023	-.0004	.0055	-.0036	.1580	269.8	.1163	823.2	.0122
Stddev	.0100	.0007	.0014	.0052	.0044	4.6	.0058	4.4	.0002
%RSD	428.5	164.4	26.17	143.5	2.777	1.716	4.985	.5331	1.238
#1	.0135	.0003	.0041	-.0024	.1557	264.9	.1119	818.6	.0121
#2	-.0008	-.0011	.0070	-.0093	.1553	270.4	.1142	823.7	.0123
#3	-.0057	-.0004	.0054	.0008	.1631	274.1	.1229	827.3	.0123
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0105	F 6258.	.0023	.0815	-.0080	F 600.2	-.0084	-.0132	1.374
Stddev	.0004	95.	.0029	.0042	.0027	5.5	.0010	.0037	.018
%RSD	4.045	1.513	129.8	5.141	34.01	.9185	11.48	28.17	1.300
#1	.0106	6201.	.0002	.0770	-.0092	597.4	-.0095	-.0151	1.361
#2	.0101	6205.	.0056	.0825	-.0098	596.6	-.0079	-.0155	1.366
#3	.0109	6367.	.0010	.0852	-.0048	606.5	-.0078	-.0089	1.394
Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-.0110	5.170	.0006	-.0213	.0055	.0775	.0016	.0066	
Stddev	.0024	.052	.0014	.0095	.0009	.0060	.0008	.0007	
%RSD	22.14	1.003	253.4	44.28	16.56	7.736	50.01	10.67	
#1	-.0133	5.115	.0018	-.0315	.0060	.0844	.0015	.0059	
#2	-.0112	5.178	.0010	-.0196	.0061	.0742	.0008	.0068	
#3	-.0085	5.218	-.0010	-.0129	.0045	.0739	.0024	.0073	

Raw Data MA59103 page 19 of 267

[◀ Zoom In ▶](#)
[Zoom Out](#)

Sample Name: JE16540-1 Acquired: 8/7/2025 15:14:53 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5556.6	85273.	21659.	3115.1
Stddev	21.6	162.	124.	16.2
%RSD	.38888	.18939	.57274	.52003
#1	5534.5	85172.	21524.	3097.8
#2	5577.7	85459.	21687.	3130.0
#3	5557.6	85187.	21767.	3117.5

Raw Data MA59103 page 20 of 267

Sample Name: MP56417-SD1 Acquired: 8/7/2025 15:19:52 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0078	.4200	.0200	3.305	.0376	-0.0014	.0241	264.9	-0.0064
Stddev	.0079	.0168	.0100	.150	.0002	.0011	.0530	2.2	.0008
%RSD	101.3	4.000	50.09	4.532	.4024	83.15	219.8	.8427	12.89
#1	-.0138	.4008	.0248	3.143	.0375	-.0004	.0692	262.4	-.0059
#2	-.0106	.4271	.0268	3.332	.0377	-.0026	.0375	266.6	-.0061
#3	-.0011	.4321	.0085	3.439	.0375	-.0011	-.0343	265.7	-.0074
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.1332	-0.0141	.0079	-0.0189	.1471	244.4	.0785	775.8	.0134
Stddev	.0788	.0037	.0082	.0134	.0346	5.0	.0207	6.6	.0012
%RSD	59.19	26.57	103.7	70.95	23.51	2.035	26.35	.8483	9.166
#1	-.0610	-.0098	.0114	-.0245	.1313	239.2	.0996	769.4	.0120
#2	-.2172	-.0166	-.0015	-.0286	.1868	244.9	.0582	782.5	.0143
#3	-.1213	-.0159	.0138	-.0036	.1233	249.1	.0777	775.5	.0138
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0128	F 6371.	.0162	.0724	.0031	620.1	-0.0145	-0.0375	1.395
Stddev	.0069	40.	.0082	.0247	.0111	26.4	.0164	.0542	.035
%RSD	53.97	.6270	50.33	34.11	353.8	4.252	113.3	144.5	2.525
#1	.0071	6325.	.0082	.1008	.0070	592.9	-.0200	.0230	1.368
#2	.0108	6395.	.0159	.0557	.0118	621.8	-.0274	-.0816	1.383
#3	.0205	6393.	.0246	.0608	-.0094	645.6	.0040	-.0539	1.435
Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.0254	4.923	.0058	-0.0237	.0173	.2165	.0590	.0152	
Stddev	.0072	.041	.0031	.0263	.0072	.0292	.0020	.0060	
%RSD	28.27	.8387	52.99	111.0	41.49	13.49	3.430	39.47	
#1	-.0212	4.876	.0086	-.0101	.0249	.2466	.0567	.0151	
#2	-.0336	4.940	.0063	-.0539	.0106	.2148	.0596	.0212	
#3	-.0212	4.954	.0025	-.0069	.0164	.1883	.0606	.0092	

Raw Data MA59103 page 21 of 267

Sample Name: JE16540-2 Acquired: 8/7/2025 15:24:53 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	.8290	-0.0010	2.955	.0452	-0.0008	-0.0002	270.8	-0.0041
Stddev	.0009	.0204	.0036	.063	.0010	.0001	.0013	3.4	.0004
%RSD	56.42	2.460	362.7	2.125	2.235	12.38	745.6	1.253	9.810
#1	.0018	.8072	.0031	2.892	.0442	-.0007	.0014	267.4	-.0045
#2	.0024	.8476	-.0023	2.955	.0451	-.0009	-.0010	270.9	-.0038
#3	.0006	.8323	-.0038	3.018	.0462	-.0008	-.0009	274.2	-.0038
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0155	.0011	.0295	.0298	.4907	261.2	.1172	825.8	.1152
Stddev	.0152	.0021	.0008	.0043	.0120	5.6	.0010	10.4	.0008
%RSD	98.03	195.1	2.827	14.34	2.448	2.154	.8260	1.259	.6849
#1	-.0119	.0034	.0286	.0313	.4958	255.3	.1174	815.8	.1143
#2	-.0025	.0008	.0303	.0332	.4769	261.7	.1162	825.1	.1153
#3	-.0323	-.0009	.0296	.0250	.4993	266.6	.1181	836.5	.1159
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0087	F 6091.	.0316	.1707	-0.0005	F 589.9	-0.0036	-0.0046	1.462
Stddev	.0008	55.	.0021	.0019	.0035	11.0	.0049	.0035	.023
%RSD	9.173	.9001	6.709	1.095	665.5	1.872	133.5	75.89	1.576
#1	.0084	6074.	.0306	.1719	-.0045	579.0	-.0070	-.0040	1.439
#2	.0081	6047.	.0340	.1716	.0009	589.8	-.0059	-.0084	1.460
#3	.0096	6152.	.0302	.1685	.0021	601.0	.0019	-.0015	1.485
Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.0123	5.162	.0062	-0.0022	.0060	.0248	.0344	.0043	
Stddev	.0031	.042	.0011	.0067	.0002	.0037	.0005	.0009	
%RSD	25.15	.8034	17.85	297.0	2.886	14.92	1.532	20.51	
#1	-.0091	5.117	.0074	-.0024	.0061	.0248	.0340	.0047	
#2	-.0153	5.172	.0058	.0045	.0058	.0286	.0341	.0033	
#3	-.0125	5.198	.0053	-.0088	.0061	.0211	.0350	.0048	

Raw Data MA59103 page 23 of 267

Sample Name: MP56417-SD1 Acquired: 8/7/2025 15:19:52 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5582.5	84407.	22861.	3162.2
Stddev	12.0	173.	133.	8.9
%RSD	.21520	.20551	.58108	.27989

#1	5586.2	84599.	22844.	3165.7
#2	5569.0	84260.	22738.	3152.1
#3	5592.2	84362.	23002.	3168.7

Raw Data MA59103 page 22 of 267

Sample Name: JE16540-2 Acquired: 8/7/2025 15:24:53 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5535.8	84420.	21538.	3116.4
Stddev	11.0	224.	148.	8.5
%RSD	.19837	.26543	.68679	.27277

#1	5548.4	84517.	21658.	3126.2
#2	5530.5	84579.	21584.	3111.9
#3	5528.5	84164.	21373.	3111.0

Raw Data MA59103 page 24 of 267

Sample Name: CCV Acquired: 8/7/2025 15:29:51 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2389	39.16	1.940	1.941	2.000	1.955	1.892	38.94	1.970
Stddev	.0009	.19	.005	.007	.011	.008	.007	.22	.004
%RSD	.3563	.4817	.2544	.3803	.5314	.4236	.3676	.5560	.2262
#1	.2379	39.18	1.934	1.933	2.001	1.957	1.884	38.80	1.965
#2	.2390	39.34	1.942	1.946	2.011	1.962	1.896	39.19	1.972
#3	.2396	38.97	1.944	1.944	1.989	1.946	1.897	38.84	1.973

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.973	1.986	1.949	1.847	39.10	40.39	2.015	38.24	2.004
Stddev	.008	.003	.005	.003	.17	.19	.012	.20	.005
%RSD	.4223	.1732	.2729	.1810	.4443	.4580	.5793	.5118	.2645
#1	1.965	1.983	1.948	1.843	39.00	40.49	2.018	38.04	1.998
#2	1.973	1.984	1.955	1.848	39.30	40.51	2.025	38.43	2.009
#3	1.982	1.989	1.945	1.850	38.99	40.18	2.002	38.25	2.004

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.938	40.89	2.000	1.948	1.999	2.032	1.927	1.948	4.846
Stddev	.002	.16	.004	.008	.006	.007	.007	.007	.017
%RSD	.1026	.3967	.2005	.3975	.2893	.3617	.3513	.3837	.3450
#1	1.935	40.94	1.996	1.939	1.996	2.024	1.920	1.940	4.827
#2	1.938	41.02	1.999	1.953	1.996	2.038	1.929	1.955	4.858
#3	1.939	40.70	2.004	1.951	2.006	2.035	1.933	1.950	4.853

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

Raw Data MA59103 page 25 of 267

Sample Name: CCV Acquired: 8/7/2025 15:29:51 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.931	2.028	1.930	1.964	1.948	1.953	1.971	1.973
Stddev	.001	.056	.003	.005	.003	.004	.005	.004
%RSD	.0610	2.779	.1411	.2459	.1735	.2120	.2462	.2182
#1	1.930	1.969	1.930	1.959	1.945	1.950	1.970	1.968
#2	1.932	2.081	1.933	1.966	1.952	1.951	1.966	1.975
#3	1.930	2.035	1.927	1.968	1.947	1.958	1.976	1.976

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5527.3	80570.	22520.	3071.0
Stddev	7.2	277.	221.	6.9
%RSD	.13113	.34335	.98119	.22398
#1	5533.1	80714.	22750.	3076.2
#2	5519.1	80251.	22310.	3063.2
#3	5529.6	80745.	22500.	3073.7

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.938	40.89	2.000	1.948	1.999	2.032	1.927	1.948	4.846
Stddev	.002	.16	.004	.008	.006	.007	.007	.007	.017
%RSD	.1026	.3967	.2005	.3975	.2893	.3617	.3513	.3837	.3450
#1	1.935	40.94	1.996	1.939	1.996	2.024	1.920	1.940	4.827
#2	1.938	41.02	1.999	1.953	1.996	2.038	1.929	1.955	4.858
#3	1.939	40.70	2.004	1.951	2.006	2.035	1.933	1.950	4.853

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

Raw Data MA59103 page 26 of 267

Sample Name: CCB Acquired: 8/7/2025 15:34:30 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	.0027	.0008	.0062	.0004	.0002	.0014	.0013	.0003
Stddev	.0001	.0049	.0007	.0003	.0001	.0001	.0002	.0015	.0001
%RSD	22.11	177.4	94.72	4.432	18.09	27.38	16.81	117.1	21.10
#1	-.0006	-.0007	.0015	.0062	.0003	.0002	.0011	.0001	.0002
#2	-.0004	.0007	.0007	.0065	.0004	.0003	.0016	.0007	.0003
#3	-.0007	.0083	.0001	.0060	.0003	.0002	.0014	.0030	.0004

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0045	.0001	.0003	.0014	.0057	.1025	.0005	.0115	.0003
Stddev	.0040	.0001	.0003	.0003	.0015	.0201	.0003	.0079	.0000
%RSD	90.05	66.62	104.2	19.92	26.14	19.64	71.46	69.10	1.923
#1	.0087	.0001	-.0000	.0012	.0040	.1011	.0001	.0034	.0003
#2	.0007	.0001	.0003	.0014	.0064	.1233	.0008	.0193	.0003
#3	.0040	.0002	.0005	.0017	.0067	.0831	.0005	.0118	.0003

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.5765	.0002	.0029	.0011	.0249	-.0015	-.0008	.0030
Stddev	.0001	.0067	.0005	.0008	.0013	.0005	.0017	.0015	.0012
%RSD	8.399	1.169	240.3	27.62	115.5	1.921	110.8	185.2	40.53
#1	.0012	.5838	.0003	.0029	.0026	.0250	-.0015	-.0011	.0043
#2	.0011	.5752	.0003	.0021	.0000	.0253	-.0032	-.0022	.0028
#3	.0011	.5705	.0006	.0037	.0008	.0244	.0001	.0008	.0019

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

Raw Data MA59103 page 27 of 267

Sample Name: CCB Acquired: 8/7/2025 15:34:30 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0003	.0008	-.0019	.0002	.0030	.0002	.0006
Stddev	.0004	.0000	.0005	.0005	.0002	.0003	.0000	.0001
%RSD	78.10	3.640	80.15	26.41	67.31	9.785	10.74	13.76
#1	.0004	.0003	.0011	-.0020	.0001	.0029	.0002	.0005
#2	.0001	.0003	.0004	-.0014	.0002	.0027	.0002	.0007
#3	.0009	.0003	.0002	-.0024	.0004	.0033	.0001	.0006

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5317.3	79719.	22216.	3118.1
Stddev	7.2	403.	56.	4.9
%RSD	.13505	.50581	.25179	.15619
#1	5324.4	79575.	22272.	3121.9
#2	5317.3	80174.	22161.	3119.8
#3	5310.1	79407.	22215.	3112.6

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.5765	.0002	.0029	.0011	.0249	-.0015	-.0008	.0030
Stddev	.0001	.0067	.0005	.0008	.0013	.0005	.0017	.0015	.0012
%RSD	8.399	1.169	240.3	27.62	115.5	1.921	110.8	185.2	40.53
#1	.0012	.5838	.0003	.0029	.0026	.0250	-.0015	-.0011	.0043
#2	.0011	.5752	.0003	.0021	.0000	.0253	-.0032	-.0022	.0028
#3	.0011	.5705	.0006	.0037	.0008	.0244	.0001	.0008	.0019

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

Raw Data MA59103 page 28 of 267

Sample Name: JE16540-3 Acquired: 8/7/2025 15:39:25 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.006	.0242	-0.021	2.762	.0475	-0.010	.0046	263.4	-0.0034
Stddev	.0027	.0252	.0042	.028	.0006	.0002	.0050	2.4	.0007
%RSD	433.8	104.0	201.5	1.006	1.292	23.29	107.9	.9146	21.07

#1	.0018	.0521	.0026	2.731	.0470	-0.011	.0080	261.3	-0.0042
#2	-0.0002	.0030	-0.0033	2.783	.0474	-0.0007	-0.0011	262.9	-0.0028
#3	-0.0035	.0177	-0.0056	2.774	.0482	-0.0010	-0.0069	266.0	-0.0033

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0145	.0003	.0082	.0854	.0869	256.9	.1125	808.6	.0107
Stddev	.0049	.0003	.0008	.0021	.0112	4.6	.0052	6.8	.0002
%RSD	33.44	109.3	10.13	2.428	12.84	1.773	4.596	.8353	2.101

#1	-.0146	.0007	.0077	.0845	.0769	252.2	.1168	802.5	.0105
#2	-.0193	.0000	.0091	.0878	.0849	257.1	.1068	807.5	.0106
#3	-.0096	.0002	.0076	.0839	.0989	261.3	.1140	815.8	.0109

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0093	F 6221.	.0099	.0270	.0213	F 562.3	-0.0020	-0.0077	1.196
Stddev	.0011	41.	.0011	.0059	.0046	5.0	.0027	.0095	.010
%RSD	11.50	.6632	10.98	21.77	21.43	.8940	137.8	122.9	.8036

#1	.0094	6175.	.0100	.0308	.0196	556.6	-.0051	-.0040	1.187
#2	.0104	6256.	.0087	.0202	.0178	564.5	-.0003	-.0007	1.206
#3	.0082	6231.	.0109	.0301	.0264	565.9	-.0005	-.0185	1.196

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.0097	4.890	.0003	.0009	.0037	.0139	.3393	.0028	
Stddev	.0041	.045	.0011	.0020	.0014	.0053	.0027	.0006	
%RSD	42.43	.9305	432.6	226.0	38.39	37.88	.7809	21.78	

#1	-.0053	4.847	.0015	.0027	.0021	.0092	.3366	.0032	
#2	-.0134	4.885	-.0002	.0013	.0047	.0196	.3396	.0021	
#3	-.0103	4.938	-.0006	-.0013	.0044	.0129	.3418	.0032	

Raw Data MA59103 page 29 of 267

Sample Name: JE16540-4 Acquired: 8/7/2025 15:44:22 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0671	-0.0003	2.793	.0382	-0.0007	.0036	266.5	-0.0032
Stddev	.0013	.0142	.0023	.025	.0004	.0003	.0085	1.6	.0011
%RSD	688.7	21.16	878.1	.9113	1.034	46.38	238.7	.6088	34.02

#1	-.0007	.0833	-.0014	2.765	.0387	-.0004	-.0062	264.6	-.0021
#2	-.0012	.0607	-.0017	2.800	.0380	-.0010	-.0060	267.5	-.0034
#3	.0013	.0571	.0024	2.814	.0380	-.0007	.0105	267.3	-.0042

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0272	.0013	.0033	.0093	.0653	264.4	.1086	824.6	.0253
Stddev	.0217	.0018	.0011	.0039	.0085	2.6	.0015	5.6	.0003
%RSD	79.74	136.9	34.00	42.27	13.04	.9810	1.358	.6848	1.077

#1	-.0055	.0033	.0032	.0109	.0677	261.8	.1103	818.4	.0254
#2	-.0273	.0006	.0045	.0121	.0559	264.4	.1081	829.5	.0250
#3	-.0489	-.0001	.0023	.0048	.0725	266.9	.1075	825.9	.0255

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092	F 6211.	.0071	.0177	-0.0074	F 567.6	.0019	-0.0109	1.101
Stddev	.0017	48.	.0008	.0035	.0086	5.0	.0017	.0036	.009
%RSD	18.11	.7665	11.19	19.90	115.8	.8777	87.38	33.41	.7973

#1	.0110	6250.	.0076	.0185	.0025	562.1	.0003	-.0145	1.093
#2	.0078	6225.	.0075	.0207	-.0125	569.0	.0017	-.0110	1.099
#3	.0086	6158.	.0062	.0138	-.0123	571.8	.0037	-.0072	1.110

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.0104	4.947	.0015	-0.0105	.0015	.0046	.0246	.0018	
Stddev	.0032	.027	.0009	.0060	.0009	.0024	.0009	.0003	
%RSD	30.39	.5543	58.92	57.32	56.62	51.80	3.767	14.21	

#1	-.0071	4.924	.0022	-.0039	.0024	.0024	.0240	.0020	
#2	-.0105	4.940	.0005	-.0119	.0014	.0043	.0243	.0015	
#3	-.0134	4.977	.0018	-.0157	.0007	.0071	.0257	.0020	

Raw Data MA59103 page 31 of 267

Sample Name: JE16540-3 Acquired: 8/7/2025 15:39:25 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5579.0	84333.	20911.	3173.9
Stddev	44.2	267.	45.	30.9
%RSD	.79270	.31680	.21290	.97403

#1	5564.2	84424.	20909.	3166.0
#2	5544.0	84033.	20957.	3147.6
#3	5628.7	84543.	20868.	3207.9

Raw Data MA59103 page 30 of 267

Sample Name: JE16540-4 Acquired: 8/7/2025 15:44:22 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5609.3	85397.	20999.	3187.0
Stddev	36.1	385.	95.	24.1
%RSD	.64307	.45112	.45079	.75534

#1	5590.5	85448.	21050.	3171.6
#2	5586.6	85755.	20890.	3174.7
#3	5650.9	84989.	21058.	3214.7

Raw Data MA59103 page 32 of 267

Sample Name: JE16540-5 Acquired: 8/7/2025 15:49:21 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0015	.1186	-0.0005	2.964	.0501	-0.0007	-0.0017	272.1	-0.0026
Stddev	.0023	.0150	.0033	.082	.0003	.0002	.0033	2.9	.0010
%RSD	153.1	12.68	648.3	2.767	.6553	22.15	188.1	1.069	38.32

#1	.0012	.1233	.0033	2.879	.0500	-0.0006	-0.0041	268.9	-0.0030
#2	-.0031	.1307	-.0031	2.969	.0498	-0.0009	.0020	272.7	-.0015
#3	-.0026	.1017	-.0017	3.043	.0504	-0.0007	-.0031	274.7	-.0034

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0111	.0006	.0037	.0048	.0761	264.5	.1141	834.6	.0166
Stddev	.0197	.0013	.0010	.0019	.0029	4.8	.0030	8.9	.0002
%RSD	177.9	229.4	27.75	39.32	3.839	1.817	2.669	1.072	.9828

#1	.0261	.0013	.0040	.0070	.0727	259.8	.1106	824.9	.0165
#2	.0184	-.0009	.0046	.0037	.0778	264.1	.1156	836.3	.0165
#3	-.0112	.0013	.0026	.0037	.0777	269.4	.1162	842.5	.0167

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0085	F 6211.	.0060	.0114	.0001	F 590.3	-0.0069	-0.0083	1.509
Stddev	.0013	49.	.0013	.0032	.0096	15.1	.0047	.0047	.035
%RSD	15.13	.7816	21.61	28.18	17390.	2.559	69.06	56.75	2.333

#1	.0091	6181.	.0071	.0091	.0109	575.1	-.0107	-.0127	1.477
#2	.0094	6184.	.0062	.0151	-.0034	590.6	-.0084	-.0090	1.503
#3	.0071	6267.	.0046	.0101	-.0073	605.3	-.0016	-.0033	1.547

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.0093	4.987	.0003	-.0084	.0020	.0029	.0283	.0003	
Stddev	.0026	.049	.0020	.0094	.0008	.0026	.0008	.0005	
%RSD	27.79	.9891	623.8	112.6	41.34	91.03	2.805	173.6	

#1	-.0075	4.941	.0015	.0011	.0015	.0012	.0284	-.0002	
#2	-.0123	4.983	-.0020	-.0178	.0015	.0058	.0275	.0009	
#3	-.0082	5.039	.0015	-.0084	.0029	.0015	.0291	.0003	

Raw Data MA59103 page 33 of 267

Sample Name: JE16541-1 Acquired: 8/7/2025 15:54:19 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.3243	.0024	2.270	.0898	-0.0004	.0107	225.5	-0.0028
Stddev	.0018	.0434	.0047	.067	.0022	.0003	.0027	4.4	.0007
%RSD	157.1	13.38	195.0	2.951	2.447	77.94	25.29	1.961	23.78

#1	.0021	.3398	.0027	2.205	.0878	-0.0002	.0136	221.8	-.0028
#2	-.0009	.3578	.0069	2.266	.0893	-0.0003	.0104	224.4	-.0035
#3	.0023	.2753	-.0024	2.339	.0921	-0.0007	.0082	230.4	-.0022

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0278	.0003	.0025	.0053	.0562	220.1	.0875	576.1	.0017
Stddev	.0123	.0005	.0008	.0015	.0011	5.5	.0037	10.2	.0003
%RSD	44.19	200.8	31.33	27.51	2.018	2.493	4.240	1.764	18.16

#1	-.0140	.0005	.0032	.0047	.0574	214.8	.0839	567.8	.0020
#2	-.0375	.0007	.0016	.0070	.0558	220.0	.0913	573.0	.0014
#3	-.0320	-.0003	.0027	.0043	.0552	225.7	.0872	587.4	.0017

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0062	F 4871.	.0016	.0082	-0.0028	464.8	-0.0056	-0.0107	2.347
Stddev	.0013	25.	.0015	.0070	.0044	13.5	.0076	.0057	.061
%RSD	20.27	.5139	91.06	85.42	155.3	2.909	135.6	52.78	2.622

#1	.0061	4844.	.0022	.0142	.0001	452.1	.0028	-.0152	2.287
#2	.0076	4877.	.0027	.0099	-.0006	463.4	-.0075	-.0044	2.344
#3	.0050	4893.	-.0001	.0005	-.0078	479.0	-.0122	-.0126	2.410

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.0080	3.800	-0.0011	-0.0108	.0042	.0024	.0050	.0006	
Stddev	.0007	.080	.0014	.0052	.0007	.0062	.0010	.0006	
%RSD	8.973	2.110	133.1	48.57	16.27	252.8	19.90	89.22	

#1	-.0072	3.722	-.0018	-.0115	.0036	.0050	.0039	.0004	
#2	-.0085	3.796	-.0020	-.0052	.0040	-.0046	.0057	.0013	
#3	-.0083	3.882	.0006	-.0156	.0049	.0070	.0055	.0002	

Raw Data MA59103 page 35 of 267

Sample Name: JE16540-5 Acquired: 8/7/2025 15:49:21 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5590.3	85049.	20545.	3179.3
Stddev	39.7	362.	38.	25.1
%RSD	.71035	.42527	.18504	.79033

#1	5630.0	84853.	20575.	3203.5
#2	5590.3	84827.	20557.	3181.0
#3	5550.5	85466.	20502.	3153.3

Raw Data MA59103 page 34 of 267

Sample Name: JE16541-1 Acquired: 8/7/2025 15:54:19 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5573.5	84623.	20818.	3164.4
Stddev	8.3	143.	113.	8.5
%RSD	.14871	.16884	.54511	.26784

#1	5583.0	84729.	20748.	3174.1
#2	5569.1	84461.	20949.	3160.1
#3	5568.3	84680.	20758.	3158.9

Raw Data MA59103 page 36 of 267

Sample Name: JE16541-2 Acquired: 8/7/2025 15:59:16 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0018	2399	.0030	2.250	.0920	-0.0005	-0.0074	231.7	-0.0030
Stddev	.0017	.0125	.0028	.060	.0012	.0001	.0131	3.0	.0011
%RSD	94.33	5.191	92.82	2.661	1.271	14.92	176.2	1.290	38.08

#1	-0.0023	2543	.0056	2.195	.0911	-0.0005	-0.0054	229.6	-0.0023
#2	.0001	2332	.0000	2.242	.0917	-0.0004	.0045	230.4	-0.0024
#3	-0.0031	2323	.0034	2.314	.0933	-0.0006	-0.0215	235.1	-0.0043

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0043	-0.0014	.0012	-0.0026	.0509	230.0	.0896	589.0	.0005
Stddev	.0090	.0008	.0007	.0028	.0083	3.6	.0068	7.7	.0002
%RSD	210.1	60.30	62.48	108.7	16.25	1.571	7.594	1.300	29.66

#1	-0.0005	-0.0008	.0005	.0004	.0479	227.0	.0819	584.8	.0007
#2	.0022	-0.0024	.0019	-0.0029	.0602	229.1	.0921	584.3	.0006
#3	-0.0145	-0.0010	.0011	-0.0053	.0445	234.0	.0949	597.8	.0004

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0069	F 5006.	.0030	.0161	-0.0089	466.0	-0.0067	-0.0090	2.193
Stddev	.0014	94.	.0022	.0042	.0034	11.4	.0051	.0085	.057
%RSD	19.69	1.879	72.24	26.07	38.65	2.436	75.55	94.19	2.596

#1	.0080	5110.	.0007	.0207	-0.0056	455.4	-0.0042	-0.0126	2.142
#2	.0074	4926.	.0032	.0126	-0.0087	464.5	-0.0125	.0007	2.183
#3	.0054	4983.	.0050	.0149	-0.0124	478.0	-0.0033	-0.0152	2.254

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.0084	3.969	.0022	-0.0006	.0028	.0025	.0196	.0012	
Stddev	.0017	.054	.0012	.0033	.0013	.0046	.0044	.0006	
%RSD	20.44	1.358	55.49	559.6	44.34	180.8	22.26	50.96	

#1	-0.0098	3.918	.0035	.0025	.0030	.0051	.0151	.0020	
#2	-0.0065	3.964	.0022	-0.0002	.0040	-0.0027	.0201	.0008	
#3	-0.0091	4.026	.0010	-0.0040	.0015	.0052	.0238	.0010	

Raw Data MA59103 page 37 of 267

Sample Name: JE16541-3 Acquired: 8/7/2025 16:04:13 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0008	1.129	.0027	2.262	.0921	-0.0007	-0.0030	238.5	-0.0034
Stddev	.0013	.027	.0021	.044	.0012	.0001	.0062	2.6	.0005
%RSD	158.1	2.398	78.33	1.961	1.257	12.74	207.8	1.092	14.44

#1	-0.0014	1.115	.0051	2.224	.0908	-0.0007	.0036	236.2	-0.0030
#2	-0.0017	1.161	.0012	2.253	.0923	-0.0006	-0.0087	237.9	-0.0032
#3	.0007	1.113	.0017	2.311	.0931	-0.0008	-0.0038	241.3	-0.0040

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0308	.0002	.0008	-0.0055	.2078	237.8	.0924	601.6	.0273
Stddev	.0134	.0011	.0005	.0012	.0067	3.4	.0021	7.2	.0001
%RSD	43.62	740.1	57.25	21.50	3.219	1.427	2.304	1.204	.4519

#1	-0.0189	.0014	.0004	-0.0046	.2144	234.3	.0908	595.8	.0272
#2	-0.0281	-0.0005	.0009	-0.0051	.2010	237.9	.0948	599.3	.0273
#3	-0.0454	-0.0005	.0013	-0.0068	.2078	241.1	.0915	609.7	.0274

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065	F 5072.	.0035	.0401	-0.0013	478.2	-0.0044	-0.0125	1.922
Stddev	.0009	151.	.0003	.0052	.0069	9.6	.0050	.0071	.035
%RSD	13.73	2.969	9.348	13.01	509.3	2.011	115.5	56.79	1.849

#1	.0058	5089.	.0039	.0461	-0.0087	469.4	-0.0079	-0.0207	1.892
#2	.0075	4913.	.0034	.0375	.0048	476.8	.0014	-0.0090	1.912
#3	.0063	5213.	.0033	.0367	-0.0001	488.5	-0.0066	-0.0078	1.961

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.0081	4.082	.0040	-0.0134	.0052	.0028	.0116	.0016	
Stddev	.0029	.046	.0016	.0066	.0015	.0050	.0003	.0012	
%RSD	35.76	1.132	39.04	49.48	29.02	179.4	2.286	73.59	

#1	-0.0053	4.031	.0053	-0.0210	.0069	-0.0009	.0117	.0029	
#2	-0.0110	4.093	.0023	-0.0103	.0044	.0008	.0118	.0006	
#3	-0.0079	4.121	.0043	-0.0089	.0042	.0085	.0113	.0013	

Raw Data MA59103 page 39 of 267

Sample Name: JE16541-2 Acquired: 8/7/2025 15:59:16 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5598.2	84652.	21092.	3160.9
Stddev	14.8	436.	143.	10.0
%RSD	.26515	.51477	.67698	.31638

#1	5606.1	84278.	20992.	3167.3
#2	5607.4	84547.	21256.	3166.1
#3	5581.1	85130.	21029.	3149.4

Raw Data MA59103 page 38 of 267

Sample Name: JE16541-3 Acquired: 8/7/2025 16:04:13 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5587.3	84611.	20893.	3149.3
Stddev	9.2	135.	233.	3.5
%RSD	.16448	.15941	1.1169	.11174

#1	5577.2	84733.	20699.	3145.3
#2	5589.5	84466.	21152.	3151.4
#3	5595.2	84633.	20826.	3151.3

Raw Data MA59103 page 40 of 267

Sample Name: JE16541-4 Acquired: 8/7/2025 16:09:13 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.4781	-.0010	2.231	.0928	-.0008	-.0106	235.9	-.0027
Stddev	.0011	.0382	.0031	.042	.0008	.0000	.0080	1.5	.0006
%RSD	1238.	7.986	321.5	1.894	.8409	6.197	74.94	.6152	22.65

#1	-.0012	.4865	-.0037	2.185	.0919	-.0008	-.0190	234.2	-.0021
#2	.0007	.5115	.0024	2.239	.0933	-.0007	-.0097	236.6	-.0027
#3	.0008	.4365	-.0016	2.268	.0932	-.0008	-.0032	236.9	-.0034

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0059	-.0015	.0022	.0017	.3918	236.9	.0909	599.6	.0007
Stddev	.0052	.0016	.0007	.0017	.0018	2.1	.0005	3.9	.0000
%RSD	88.12	107.7	31.52	100.4	.4658	.8734	.5453	.6584	6.206

#1	-.0001	-.0022	.0015	-.0003	.3937	234.7	.0903	595.1	.0006
#2	-.0074	-.0026	.0020	.0025	.3901	237.2	.0911	602.0	.0007
#3	-.0101	.0003	.0029	.0030	.3916	238.8	.0912	601.8	.0007

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059	F 5098.	.0037	.0110	-.0028	465.6	-.0041	-.0038	2.112
Stddev	.0002	93.	.0010	.0038	.0038	9.0	.0011	.0056	.042
%RSD	3.752	1.827	26.62	34.96	135.0	1.922	25.90	147.7	1.971

#1	.0060	5035.	.0029	.0115	.0016	456.4	-.0048	.0002	2.067
#2	.0057	5053.	.0048	.0146	-.0046	466.2	-.0046	-.0102	2.118
#3	.0060	5205.	.0034	.0069	-.0054	474.3	-.0029	-.0014	2.150

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-.0096	4.058	-.0025	-.0091	.0038	.0006	.0066	.0012	
Stddev	.0030	.026	.0013	.0032	.0012	.0022	.0008	.0001	
%RSD	31.08	.6528	52.50	35.47	32.13	361.2	11.50	8.283	

#1	-.0068	4.031	-.0010	-.0128	.0048	-.0019	.0068	.0013	
#2	-.0092	4.061	-.0034	-.0067	.0042	.0015	.0073	.0011	
#3	-.0128	4.083	-.0030	-.0079	.0024	.0022	.0058	.0014	

Raw Data MA59103 page 41 of 267

Sample Name: JE16541-4 Acquired: 8/7/2025 16:09:13 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5589.6	84506.	20790.	3149.1
Stddev	15.2	310.	62.	9.1
%RSD	.27175	.36715	.29729	.29032

#1	5604.6	84864.	20788.	3158.0
#2	5574.2	84335.	20729.	3139.8
#3	5589.9	84319.	20852.	3149.6

Raw Data MA59103 page 42 of 267

Sample Name: JE16541-5 Acquired: 8/7/2025 16:14:11 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.4176	.0012	2.175	.0867	-.0007	-.0057	226.8	-.0025
Stddev	.0020	.0235	.0034	.048	.0011	.0002	.0050	4.1	.0009
%RSD	838.7	5.629	270.9	2.222	1.229	33.27	88.33	1.810	37.28

#1	.0010	.4445	-.0025	2.124	.0857	-.0006	-.0019	223.3	-.0017
#2	.0018	.4011	.0021	2.182	.0866	-.0006	-.0038	225.7	-.0035
#3	-.0021	.4071	.0041	2.220	.0878	-.0010	-.0114	231.3	-.0024

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0336	.0002	.0025	.0362	.0440	225.0	.0897	576.5	.0010
Stddev	.0233	.0005	.0017	.0022	.0095	3.7	.0021	11.2	.0001
%RSD	69.50	223.1	69.56	5.947	21.66	1.650	2.368	1.941	9.914

#1	-.0079	.0004	.0005	.0338	.0435	221.5	.0885	567.6	.0011
#2	-.0534	.0006	.0031	.0373	.0347	224.7	.0921	572.9	.0009
#3	-.0394	-.0003	.0038	.0377	.0537	228.9	.0884	589.1	.0009

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0062	F 4929.	.0012	.0225	-.0089	453.4	-.0066	-.0071	1.878
Stddev	.0005	97.	.0019	.0051	.0041	9.3	.0098	.0095	.034
%RSD	7.885	1.972	160.1	22.57	46.36	2.048	148.3	133.6	1.781

#1	.0063	4902.	.0003	.0259	-.0042	443.5	.0011	-.0014	1.842
#2	.0067	4849.	-.0001	.0167	-.0107	454.9	-.0033	-.0019	1.884
#3	.0057	5037.	.0034	.0250	-.0118	461.9	-.0176	-.0180	1.908

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-.0092	3.853	-.0036	-.0140	.0016	.0020	.0057	.0006	
Stddev	.0066	.051	.0016	.0153	.0021	.0053	.0010	.0009	
%RSD	71.12	1.320	45.33	109.1	127.9	269.5	18.05	148.5	

#1	-.0063	3.799	-.0024	-.0239	.0024	-.0021	.0050	-.0004	
#2	-.0047	3.859	-.0055	-.0217	-.0007	.0000	.0069	.0010	
#3	-.0168	3.900	-.0030	.0036	.0032	.0080	.0051	.0013	

Raw Data MA59103 page 43 of 267

Sample Name: JE16541-5 Acquired: 8/7/2025 16:14:11 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5551.9	83725.	20695.	3146.4
Stddev	8.7	138.	272.	2.1
%RSD	.15725	.16449	1.3161	.06680

#1	5544.8	83598.	20697.	3144.2
#2	5561.7	83871.	20967.	3148.4
#3	5549.2	83707.	20422.	3146.5

Raw Data MA59103 page 44 of 267

Sample Name: CCV Acquired: 8/7/2025 16:19:09 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2449	40.43	1.954	1.942	2.044	2.015	1.899	40.76	1.993
Stddev	.0004	.03	.003	.004	.002	.004	.003	.11	.001
%RSD	.1636	.0845	.1546	.2305	.1153	.2018	.1782	.2710	.0690
#1	2452	40.42	1.951	1.942	2.043	2.017	1.900	40.74	1.992
#2	2450	40.40	1.957	1.946	2.042	2.010	1.901	40.66	1.994
#3	2444	40.47	1.955	1.937	2.047	2.017	1.895	40.88	1.995

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.006	2.033	2.030	1.884	40.73	42.01	2.048	40.47	2.067
Stddev	.002	.003	.008	.003	.08	.01	.005	.17	.006
%RSD	.1107	.1301	.3820	.1752	.2020	.0239	.2243	.4153	.2761
#1	2.008	2.034	2.038	1.881	40.77	42.01	2.044	40.44	2.072
#2	2.007	2.030	2.029	1.884	40.63	42.00	2.048	40.33	2.067
#3	2.004	2.035	2.023	1.888	40.77	42.02	2.053	40.66	2.061

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.965	42.22	2.048	1.969	2.065	2.028	1.938	1.946	4.854
Stddev	.001	.05	.003	.002	.004	.007	.004	.008	.009
%RSD	.0344	.1156	.1323	.1102	.1979	.3376	.2274	.3904	.1963
#1	1.966	42.17	2.047	1.971	2.063	2.020	1.936	1.946	4.858
#2	1.965	42.24	2.046	1.969	2.063	2.033	1.942	1.954	4.861
#3	1.964	42.26	2.051	1.967	2.070	2.031	1.934	1.939	4.843

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

Raw Data MA59103 page 45 of 267

Sample Name: CCV Acquired: 8/7/2025 16:19:09 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.980	2.039	1.999	2.010	2.011	1.988	2.034	2.019
Stddev	.008	.029	.004	.007	.005	.004	.005	.002
%RSD	.3815	1.444	.2075	.3715	.2488	.2223	.2632	.1093
#1	1.976	2.020	2.002	2.002	2.014	1.984	2.031	2.021
#2	1.975	2.073	2.000	2.010	2.013	1.993	2.031	2.019
#3	1.989	2.025	1.994	2.017	2.005	1.988	2.040	2.016

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5460.0	78133.	20631.	3047.1
Stddev	24.7	113.	96.	14.1
%RSD	.45205	.14440	.46632	.46251
#1	5485.3	78014.	20741.	3062.7
#2	5458.6	78146.	20587.	3043.3
#3	5436.0	78239.	20564.	3035.3

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5460.0	78133.	20631.	3047.1
Stddev	24.7	113.	96.	14.1
%RSD	.45205	.14440	.46632	.46251
#1	5485.3	78014.	20741.	3062.7
#2	5458.6	78146.	20587.	3043.3
#3	5436.0	78239.	20564.	3035.3

Raw Data MA59103 page 46 of 267

Sample Name: CCB Acquired: 8/7/2025 16:23:51 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0006	.0073	-0.004	.0059	.0006	.0005	.0014	.0075	.0001
Stddev	.0000	.0079	.0008	.0003	.0001	.0001	.0003	.0034	.0001
%RSD	6.942	108.4	211.4	4.974	18.13	23.62	22.48	46.21	59.05
#1	-0.0006	.0165	.0005	.0062	.0007	.0005	.0017	.0100	.0001
#2	-0.0006	.0031	-0.0010	.0057	.0006	.0005	.0015	.0088	.0001
#3	-0.0007	.0024	-0.0006	.0058	.0005	.0003	.0011	.0035	.0002

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	.0004	.0003	-0.0014	.0005	.1044	.0002	.0156	.0004
Stddev	.0009	.0004	.0004	.0004	.0033	.0399	.0001	.0127	.0000
%RSD	64.75	84.19	111.0	32.36	35.15	38.19	71.32	81.53	5.481
#1	.0023	.0001	.0007	-0.0018	.0116	.1172	.0003	.0299	.0003
#2	.0005	.0008	.0001	-0.0012	.0111	.0597	.0001	.0112	.0004
#3	.0012	.0004	.0001	-0.0010	.0056	.1363	.0002	.0057	.0004

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.5723	.0007	.0021	.0010	.0205	.0005	.0001	.0035
Stddev	.0005	.0366	.0003	.0003	.0020	.0003	.0012	.0016	.0010
%RSD	39.32	6.396	53.10	16.14	199.0	1.280	243.4	2320.	29.29
#1	.0016	.6122	.0003	.0025	-0.0006	.0206	.0018	.0019	.0043
#2	.0015	.5643	.0009	.0019	.0004	.0206	-0.0001	-0.0005	.0037
#3	.0007	.5403	.0008	.0019	.0032	.0202	-0.0003	-0.0012	.0024

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

Raw Data MA59103 page 47 of 267

Sample Name: CCB Acquired: 8/7/2025 16:23:51 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0006	.0004	-0.0010	.0003	.0008	.0002	.0003
Stddev	.0006	.0002	.0003	.0025	.0001	.0008	.0001	.0001
%RSD	375.4	31.83	69.97	245.4	23.23	92.23	35.65	42.26
#1	-0.0005	.0008	.0008	-0.0016	.0003	.0010	.0003	.0004
#2	.0005	.0005	.0002	.0017	.0004	.0015	.0002	.0002
#3	.0005	.0004	.0003	-0.0032	.0002	.0000	.0001	.0002

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5266.4	78475.	21110.	3083.2
Stddev	2.8	140.	150.	1.9
%RSD	.05276	.17807	.71056	.06310
#1	5264.4	78607.	21017.	3081.4
#2	5269.6	78488.	21031.	3085.3
#3	5265.2	78329.	21283.	3082.8

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

Raw Data MA59103 page 48 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-S1 Acquired: 8/7/2025 16:28:45 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0484	22.91	2.147	4.694	1.876	1.769	-.0773	238.5
Stddev	.0088	.22	.141	.189	.061	.043	.0746	7.2
%RSD	18.11	.9809	6.555	4.015	3.245	2.436	96.50	3.028
#1	.0585	22.67	2.006	4.490	1.819	1.731	.0059	230.9
#2	.0444	22.96	2.287	4.729	1.868	1.760	-.1383	239.5
#3	.0423	23.11	2.149	4.862	1.940	1.816	-.0997	245.2
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.242	-.3103	2.317	1.952	1.720	23.17	205.7	.0605
Stddev	.096	.1496	.078	.040	.073	.56	7.4	.0402
%RSD	4.301	48.21	3.361	2.062	4.275	2.408	3.619	66.40
#1	2.141	-.3622	2.230	1.910	1.640	22.60	198.2	.1028
#2	2.251	-.4270	2.339	1.955	1.737	23.21	205.9	.0556
#3	2.333	-.1417	2.381	1.990	1.784	23.71	213.1	.0230
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	566.8	2.013	2.156	4754.	2.362	.0807	2.356	508.1
Stddev	15.6	.067	.088	185.	.096	.0588	.123	25.2
%RSD	2.748	3.313	4.064	3.899	4.042	72.91	5.217	4.951
#1	549.3	1.948	2.058	4565.	2.255	.0128	2.235	480.6
#2	572.3	2.009	2.184	4762.	2.394	.1165	2.353	513.7
#3	579.0	2.081	2.226	4935.	2.437	.1128	2.481	530.0
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.097	2.150	2.088	2.122	5.248	1.890	W 2.260	1.909
Stddev	.045	.180	.117	.111	.171	.077	.196	.050
%RSD	2.159	8.369	5.628	5.227	3.255	4.088	8.679	2.621
#1	2.046	1.946	1.953	2.008	5.075	1.802	2.259	1.864
#2	2.116	2.217	2.141	2.128	5.251	1.924	2.065	1.901
#3	2.131	2.287	2.169	2.230	5.417	1.945	2.457	1.963

Raw Data MA59103 page 49 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-S1 Acquired: 8/7/2025 16:28:45 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.639	2.308	1.918
Stddev	.110	.107	.056
%RSD	6.711	4.628	2.894
#1	1.536	2.187	1.863
#2	1.626	2.347	1.917
#3	1.755	2.390	1.974
Int. Std.	In2306	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	5392.1	79179.	20960.
Stddev	9.0	191.	178.
%RSD	.16621	.24165	.85035
#1	5385.2	79302.	21096.
#2	5402.3	78958.	20759.
#3	5388.9	79276.	21027.

Int. Std.	Y_2243
Units	Cts/S
Avg	3111.0
Stddev	5.9
%RSD	.18862
#1	3108.5
#2	3117.7
#3	3106.7

Raw Data MA59103 page 50 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-S2 Acquired: 8/7/2025 16:33:32 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0720	23.93	2.188	4.765	1.943	1.835	-.0403	252.4
Stddev	.0238	.40	.062	.135	.040	.028	.0788	5.0
%RSD	33.10	1.675	2.817	2.822	2.052	1.524	195.4	1.964
#1	.0479	23.47	2.122	4.616	1.903	1.805	-.0480	247.3
#2	.0726	24.19	2.245	4.801	1.944	1.839	.0420	252.6
#3	.0956	24.14	2.196	4.877	1.982	1.860	-.1150	257.2
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.258	-.1829	2.320	1.992	1.780	24.48	219.8	.0397
Stddev	.050	.0302	.057	.063	.055	.52	6.4	.0307
%RSD	2.203	16.52	2.437	3.165	3.102	2.128	2.929	77.31
#1	2.202	-.1851	2.262	1.933	1.740	23.99	212.9	.0146
#2	2.273	-.1516	2.324	1.987	1.757	24.42	221.1	.0739
#3	2.298	-.2119	2.375	2.058	1.843	25.02	225.5	.0306
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	599.5	2.036	2.217	5074.	2.363	.0628	2.407	526.0
Stddev	9.7	.067	.052	140.	.054	.0138	.046	15.3
%RSD	1.612	3.307	2.334	2.754	2.277	21.91	1.915	2.904
#1	589.3	1.974	2.160	4931.	2.308	.0752	2.354	509.0
#2	600.9	2.027	2.230	5081.	2.366	.0653	2.430	530.2
#3	608.4	2.108	2.261	5210.	2.416	.0480	2.437	538.7
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.163	2.115	2.190	2.197	5.561	1.948	W 2.359	1.967
Stddev	.055	.055	.074	.074	.103	.073	.157	.068
%RSD	2.548	2.591	3.401	3.370	1.862	3.738	6.664	3.433
#1	2.115	2.108	2.115	2.138	5.457	1.878	2.294	1.909
#2	2.151	2.173	2.191	2.173	5.562	1.944	2.538	1.952
#3	2.224	2.064	2.264	2.280	5.664	2.023	2.245	2.041

Raw Data MA59103 page 51 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-S2 Acquired: 8/7/2025 16:33:32 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.786	2.315	2.010
Stddev	.094	.033	.049
%RSD	5.287	1.404	2.411
#1	1.684	2.277	1.963
#2	1.803	2.335	2.008
#3	1.870	2.332	2.059
Int. Std.	In2306	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	5473.8	81148.	21243.
Stddev	17.0	156.	21.
%RSD	.31035	.19271	.09762
#1	5466.2	81254.	21238.
#2	5462.0	81223.	21265.
#3	5493.3	80969.	21225.

Int. Std.	Y_2243
Units	Cts/S
Avg	3154.5
Stddev	5.4
%RSD	.17180
#1	3154.4
#2	3149.0
#3	3159.9

Raw Data MA59103 page 52 of 267

Sample Name: JE16544-1 Acquired: 8/7/2025 16:38:19 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.061	.1668	.0188	2.581	.0865	-0.016	.0524	222.7	-0.041
Stddev	.0306	.1047	.0209	.040	.0045	.0024	.0265	4.8	.0087
%RSD	499.8	62.79	111.4	1.536	5.199	147.0	50.54	2.147	213.5

#1	-.0408	.1748	.0191	2.549	.0814	-.0003	.0468	217.8	.0057
#2	.0050	.2674	-.0023	2.568	.0882	-.0001	.0813	222.9	-.0070
#3	.0173	.0583	.0396	2.626	.0899	-.0043	.0292	227.3	-.0109

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-3.187	-0.055	-0.0141	.1123	.0171	197.0	.0101	557.3	-0.000
Stddev	.1772	.0113	.0139	.0418	.0287	5.2	.0275	13.2	.0007
%RSD	55.59	206.3	98.23	37.19	168.3	2.659	273.8	2.361	2216.

#1	-.2381	.0065	-.0243	.1320	.0393	191.4	-.0197	543.6	-.0008
#2	-.5219	-.0070	.0017	.1407	.0273	197.9	.0347	558.3	.0003
#3	-.1963	-.0159	-.0198	.0643	-.0154	201.8	.0152	569.9	.0005

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0080	4996.	.0222	.0834	.0318	514.3	-0.0610	-0.764	2.149
Stddev	.0078	138.	.0083	.0300	.0330	11.3	.0114	.0677	.054
%RSD	97.76	2.758	37.31	35.99	103.9	2.205	18.73	88.58	2.522

#1	.0170	4857.	.0128	.0510	.0668	501.8	-.0565	-.0051	2.098
#2	.0043	4999.	.0255	.0888	.0011	517.1	-.0526	-.0845	2.142
#3	.0028	5133.	.0282	.1102	.0275	524.0	-.0741	-.1397	2.206

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.0068	3.649	-0.0126	-0.0346	.0287	.1108	.0293	.0190	
Stddev	.0364	.064	.0038	.1186	.0080	.0120	.0091	.0038	
%RSD	536.3	1.763	29.95	342.4	27.97	10.85	31.07	19.94	

#1	-.0344	3.583	-.0154	.0935	.0274	.0970	.0197	.0147	
#2	-.0205	3.651	-.0141	-.1405	.0373	.1162	.0302	.0219	
#3	.0345	3.712	-.0083	-.0570	.0214	.1192	.0379	.0204	

Raw Data MA59103 page 53 of 267

Sample Name: STDA Acquired: 8/7/2025 7:58:22 Type: Cal
Method: SGS 3 NO Valve(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0004	.0003	.0003	.0016	.0000	-0.0009	.0062	.0006
Stddev	.0001	.0001	.0001	.0001	.0001	.0000	.0001	.0001	.0001
%RSD	92.48	15.27	43.46	43.87	9.104	87.36	9.598	2.217	16.06

#1	.0002	.0005	.0004	.0003	.0016	.0000	-.0009	.0062	.0005
#2	.0001	.0004	.0002	.0002	.0017	.0000	-.0009	.0061	.0005
#3	.0000	.0004	.0005	.0004	.0014	.0000	-.0008	.0063	.0007

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0002	-0.0003	-0.0000	.0161	.0001	.0007	.0009	-0.0001	-0.0000
Stddev	.0001	.0001	.0001	.0001	.0000	.0001	.0002	.0001	.0000
%RSD	34.97	33.20	278.7	.8233	74.15	8.528	19.65	49.54	68.50

#1	-.0003	-.0002	.0000	.0162	.0001	.0006	.0010	-.0002	-.0000
#2	-.0003	-.0002	-.0001	.0159	.0001	.0007	.0007	-.0000	-.0000
#3	-.0001	-.0003	.0000	.0161	.0000	.0006	.0009	-.0001	-.0000

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0005	.0010	-0.0002	-0.0032	.0002	.0007	.0005	.0007	.0043
Stddev	.0001	.0004	.0001	.0001	.0001	.0002	.0004	.0001	.0001
%RSD	12.79	36.05	36.89	2.795	62.93	26.96	72.75	15.61	2.945

#1	.0004	.0010	-.0002	-.0033	.0003	.0008	.0001	.0006	.0045
#2	.0005	.0014	-.0003	-.0031	.0001	.0008	.0006	.0008	.0042
#3	.0006	.0007	-.0001	-.0032	.0003	.0005	.0009	.0008	.0043

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.0003	.0004	-0.0001	-0.0001	-0.0000	.0020	.0004	-0.0010	
Stddev	.0001	.0001	.0001	.0000	.0000	.0004	.0000	.0001	
%RSD	47.65	20.04	114.3	33.02	37.55	20.33	10.89	7.837	

#1	.0001	.0004	-.0001	-.0001	-.0000	.0024	.0004	-.0009	
#2	.0004	.0003	.0000	-.0001	-.0001	.0021	.0004	-.0010	
#3	.0003	.0004	-.0001	-.0001	-.0000	.0016	.0005	-.0010	

Raw Data MA59103 page 55 of 267

Sample Name: JE16544-1 Acquired: 8/7/2025 16:38:19 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5519.3	81724.	21706.	3174.4
Stddev	14.9	131.	136.	6.7
%RSD	.26969	.16016	.62711	.20966

#1	5504.2	81649.	21836.	3168.6
#2	5533.9	81647.	21564.	3181.7
#3	5519.8	81875.	21718.	3173.0

Raw Data MA59103 page 54 of 267

Sample Name: STDA Acquired: 8/7/2025 7:58:22 Type: Cal
Method: SGS 3 NO Valve(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5371.3	80845.	24161.	3093.3
Stddev	5.4	77.	188.	5.4
%RSD	.09989	.09557	.77869	.17383

#1	5367.9	80756.	24299.	3087.7
#2	5368.6	80886.	24236.	3093.7
#3	5377.5	80894.	23946.	3098.4

Raw Data MA59103 page 56 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: STDB Acquired: 8/7/2025 8:03:21 Type: Cal
Method: SGS 3 NO Valve(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0852	3.756	5.894	1.462	12.86	10.35	.9686	8.096	5.283
Stddev	.0001	.013	.0013	.001	.25	.15	.0013	.057	.009
%RSD	.1438	.3520	.2127	.0552	1.952	1.456	.1332	.7080	.1801

#1	.0853	3.760	5.908	1.463	12.90	10.33	.9700	8.108	5.291
#2	.0852	3.767	5.890	1.462	13.10	10.51	.9684	8.146	5.285
#3	.0850	3.741	5.884	1.462	12.60	10.21	.9674	8.033	5.272

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1695	2.198	.6121	.8894	2.990	1.387	2.196	.7499	3.665
Stddev	.0002	.004	.0001	.0012	.014	.004	.008	.0065	.020
%RSD	.1067	.1642	.0222	.1322	.4640	.3106	.3698	.8727	.5308

#1	.1697	2.202	.6122	.8904	2.986	1.386	2.203	.7514	3.684
#2	.1693	2.195	.6121	.8897	3.005	1.392	2.198	.7555	3.665
#3	.1695	2.196	.6119	.8881	2.977	1.383	2.187	.7427	3.645

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.963	5.684	1.875	.5474	.8154	.3282	.8206	.4706	2.811
Stddev	.007	.019	.002	.0010	.0010	.0009	.0004	.0005	.004
%RSD	.2216	.3345	.1214	.1885	.1202	.2798	.0456	.1069	.1602

#1	2.969	5.688	1.877	.5477	.8164	.3290	.8207	.4711	2.815
#2	2.963	5.701	1.873	.5483	.8145	.3285	.8209	.4701	2.812
#3	2.956	5.664	1.874	.5463	.8154	.3272	.8202	.4705	2.806

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.6156	13.86	.6183	.1649	.9901	1.548	5.470	2.001	
Stddev	.0012	.15	.0003	.0003	.0008	.003	.015	.003	
%RSD	.1955	1.049	.0517	.1687	.0803	.1972	.2819	.1300	

#1	.6152	13.78	.6187	.1652	.9910	1.546	5.481	2.004	
#2	.6169	14.03	.6183	.1646	.9898	1.551	5.478	2.001	
#3	.6146	13.77	.6181	.1650	.9895	1.546	5.453	1.998	

Raw Data MA59103 page 57 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: ICV Acquired: 8/7/2025 8:08:34 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2522	F 37.99	1.917	1.972	1.946	2.003	F 1.897	38.57	1.989
Stddev	.0007	.06	.001	.002	.004	.002	.002	.06	.003
%RSD	.2761	.1656	.0695	.0835	.2001	.0740	.0876	.1536	.1449

#1	.2527	37.92	1.918	1.973	1.942	2.002	1.897	38.55	1.990
#2	.2514	38.01	1.915	1.970	1.950	2.005	1.896	38.53	1.985
#3	.2524	38.04	1.917	1.972	1.947	2.004	1.899	38.64	1.990

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value		40.00					2.000		
Range		-5.000%					-5.000%		

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.985	1.999	1.958	F 1.870	38.70	F 37.44	2.011	38.05	2.003
Stddev	.006	.002	.001	.002	.06	.06	.006	.15	.003
%RSD	.2904	.1059	.0698	.1148	.1502	.1651	.3195	.3971	.1651

#1	1.978	2.002	1.956	1.872	38.64	37.39	2.004	38.02	1.999
#2	1.988	1.998	1.959	1.868	38.76	37.41	2.017	37.91	2.005
#3	1.988	1.998	1.958	1.872	38.71	37.51	2.012	38.21	2.005

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				2.000		40.00			
Range				-5.000%		-5.000%			

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.950	F 37.99	2.008	1.980	2.004	1.933	1.953	1.974	4.997
Stddev	.001	.08	.003	.003	.005	.006	.005	.001	.006
%RSD	.0364	.2132	.1535	.1616	.2757	.2957	.2371	.0536	.1256

#1	1.950	37.90	2.012	1.984	2.010	1.938	1.957	1.973	4.997
#2	1.949	38.01	2.007	1.978	1.999	1.927	1.948	1.974	4.991
#3	1.950	38.06	2.006	1.978	2.002	1.936	1.953	1.975	5.003

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		40.00							
Range		-5.000%							

Raw Data MA59103 page 59 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: STDB Acquired: 8/7/2025 8:03:21 Type: Cal
Method: SGS 3 NO Valve(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5654.3	81123.	23487.	3036.5
Stddev	5.6	270.	252.	3.6
%RSD	.09941	.33223	1.0733	.11990

#1	5649.2	80840.	23487.	3033.2
#2	5660.4	81152.	23235.	3035.8
#3	5653.4	81376.	23739.	3040.4

Raw Data MA59103 page 58 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: ICV Acquired: 8/7/2025 8:08:34 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.959	1.974	1.939	1.967	1.947	1.953	1.995	1.993
Stddev	.006	.018	.002	.006	.002	.006	.003	.003
%RSD	.3034	.9095	.0949	.2953	.1089	.2934	.1704	.1658

#1	1.960	1.992	1.938	1.970	1.945	1.957	1.996	1.989
#2	1.953	1.972	1.941	1.961	1.949	1.946	1.992	1.995
#3	1.965	1.956	1.938	1.971	1.947	1.955	1.998	1.994

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5572.0	81471.	23772.	3079.0
Stddev	4.1	182.	157.	2.9
%RSD	.07270	.22283	.65871	.09289

#1	5569.5	81668.	23809.	3078.0
#2	5569.8	81434.	23907.	3082.2
#3	5576.7	81310.	23600.	3076.8

Raw Data MA59103 page 60 of 267

Sample Name: ICV Acquired: 8/7/2025 8:15:20 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2568	39.33	1.966	2.019	2.000	2.046	1.943	40.27	2.044
Stddev	.0005	.18	.004	.006	.010	.009	.004	.13	.004
%RSD	.1832	.4551	.2268	.2972	.4863	.4314	.2209	.3165	.1884
#1	.2563	39.14	1.962	2.013	1.991	2.036	1.938	40.13	2.039
#2	.2573	39.37	1.971	2.020	2.000	2.049	1.946	40.37	2.046
#3	.2569	39.49	1.966	2.025	2.010	2.053	1.945	40.31	2.046

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.027	2.053	2.002	1.922	40.28	38.92	2.083	39.94	2.073
Stddev	.008	.001	.005	.007	.19	.20	.010	.12	.003
%RSD	.3763	.0481	.2571	.3910	.4800	.5035	.4794	.3058	.1389
#1	2.021	2.053	2.007	1.915	40.06	38.72	2.073	39.83	2.072
#2	2.024	2.053	1.997	1.930	40.37	38.94	2.083	40.07	2.070
#3	2.035	2.055	2.003	1.920	40.41	39.11	2.093	39.93	2.076

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.992	39.47	2.067	2.026	2.057	1.990	2.008	2.038	4.957
Stddev	.005	.19	.002	.002	.005	.009	.006	.004	.013
%RSD	.2516	.4867	.1053	.1099	.2548	.4486	.3194	.2208	.2713
#1	1.986	39.27	2.067	2.024	2.057	1.980	2.000	2.033	4.942
#2	1.995	39.47	2.069	2.027	2.062	1.996	2.010	2.041	4.961
#3	1.995	39.65	2.065	2.028	2.051	1.994	2.013	2.040	4.968

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

Raw Data MA59103 page 61 of 267

Sample Name: ICV Acquired: 8/7/2025 8:15:20 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.007	2.017	1.972	2.023	1.999	2.001	2.045	2.053
Stddev	.002	.015	.000	.003	.003	.004	.002	.003
%RSD	.0959	.7270	.0017	.1274	.1393	.2263	.1141	.1626
#1	2.008	2.021	1.972	2.025	2.000	2.002	2.048	2.050
#2	2.005	2.029	1.972	2.023	1.996	1.996	2.043	2.053
#3	2.008	2.000	1.972	2.020	2.001	2.004	2.045	2.057

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5544.5	80452.	23392.	3060.0
Stddev	11.7	170.	52.	9.0
%RSD	.21024	.21167	.22391	.29574
#1	5557.0	80307.	23390.	3068.6
#2	5542.6	80640.	23340.	3060.7
#3	5533.9	80411.	23445.	3050.6

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5544.5	80452.	23392.	3060.0
Stddev	11.7	170.	52.	9.0
%RSD	.21024	.21167	.22391	.29574
#1	5557.0	80307.	23390.	3068.6
#2	5542.6	80640.	23340.	3060.7
#3	5533.9	80411.	23445.	3050.6

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

Raw Data MA59103 page 62 of 267

Sample Name: rinseconf Acquired: 8/7/2025 8:21:01 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0000	.0445	-0.0002	.0048	.0019	.0020	.0003	.0405	.0007
Stddev	.0004	.0294	.0004	.0006	.0012	.0013	.0010	.0246	.0002
%RSD	1464.	66.13	272.5	13.00	61.98	63.92	298.7	60.71	33.72
#1	-0.0005	.0780	-0.0004	.0054	.0032	.0034	-0.0002	.0674	.0008
#2	-0.0002	.0328	-0.0004	.0047	.0017	.0017	.0015	.0347	.0004
#3	.0002	.0228	.0003	.0041	.0009	.0009	-0.0003	.0193	.0008

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0059	.0004	.0008	.0049	.0434	.0556	.0015	.0380	.0007
Stddev	.0025	.0002	.0003	.0009	.0282	.0446	.0008	.0339	.0001
%RSD	42.53	36.19	38.18	18.65	64.97	80.28	51.04	89.27	11.92
#1	-0.0033	.0006	.0011	.0059	.0748	.0984	.0022	.0762	.0008
#2	-0.0062	.0003	.0005	.0041	.0355	.0590	.0018	.0265	.0008
#3	-0.0083	.0004	.0008	.0047	.0200	.0093	.0007	.0113	.0006

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	.0506	.0008	.0014	.0008	.0078	.0006	-0.0004	.0041
Stddev	.0001	.0222	.0002	.0008	.0008	.0013	.0014	.0015	.0007
%RSD	8.799	43.75	32.09	58.14	108.4	16.86	214.3	338.7	15.94
#1	.0016	.0751	.0008	.0013	.0013	.0078	-0.0008	-0.0019	.0038
#2	.0014	.0449	.0005	.0006	.0013	.0064	.0007	-0.0005	.0037
#3	.0014	.0319	.0010	.0022	-0.0002	.0091	.0019	.0011	.0048

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0019	.0007	-0.0018	.0006	-0.0006	.0008	.0007
Stddev	.0014	.0013	.0004	.0018	.0001	.0003	.0001	.0002
%RSD	148.6	67.22	52.38	103.6	14.87	50.21	15.73	33.43
#1	.0004	.0033	.0006	-0.0006	.0007	-0.0009	.0007	.0008
#2	-0.0001	.0017	.0011	-0.0008	.0007	-0.0004	.0008	.0004
#3	.0025	.0007	.0004	-0.0038	.0005	-0.0004	.0010	.0008

Raw Data MA59103 page 63 of 267

Sample Name: rinseconf Acquired: 8/7/2025 8:21:01 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5342.2	80081.	24059.	3085.5
Stddev	8.7	237.	86.	8.1
%RSD	.16320	.29574	.35883	.26126
#1	5349.8	80075.	24111.	3092.0
#2	5344.0	80320.	23959.	3088.1
#3	5332.6	79847.	24106.	3076.5

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5342.2	80081.	24059.	3085.5
Stddev	8.7	237.	86.	8.1
%RSD	.16320	.29574	.35883	.26126
#1	5349.8	80075.	24111.	3092.0
#2	5344.0	80320.	23959.	3088.1
#3	5332.6	79847.	24106.	3076.5

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5342.2	80081.	24059.	3085.5
Stddev	8.7	237.	86.	8.1
%RSD	.16320	.29574	.35883	.26126
#1	5349.8	80075.	24111.	3092.0
#2	5344.0	80320.	23959.	3088.1
#3	5332.6	79847.	24106.	3076.5

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5342.2	80081.	24059.	3085.5
Stddev	8.7	237.	86.	8.1
%RSD	.16320	.29574	.35883	.26126
#1	5349.8	80075.	24111.	3092.0
#2	5344.0	80320.	23959.	3088.1
#3	5332.6	79847.	24106.	3076.5

Raw Data MA59103 page 64 of 267

[◀ Zoom In ▶](#)
[Zoom Out](#)

Sample Name: ICB Acquired: 8/7/2025 8:31:19 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.041	-0.007	.0031	-0.002	-0.000	.0005	-0.021	-0.002
Stddev	.0001	.0010	.0005	.0002	.0001	.0000	.0008	.0006	.0001
%RSD	85.33	23.70	76.34	6.670	41.81	42.06	171.4	30.10	35.33
#1	-0.0002	-0.0031	-0.0005	.0029	-0.0002	-0.0000	.0006	-0.0020	-0.0001
#2	-0.0000	-0.0043	-0.0012	.0033	-0.0002	-0.0000	.0013	-0.0028	-0.0001
#3	-0.0002	-0.0050	-0.0003	.0030	-0.0003	-0.0000	-0.0004	-0.0015	-0.0002

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0024	-0.0002	.0003	.0018	-0.0041	.0116	-0.0009	-0.0076	-0.0000
Stddev	.0041	.0002	.0003	.0005	.0032	.0072	.0004	.0041	.0001
%RSD	174.6	104.9	81.79	29.86	77.26	62.16	39.95	54.22	144.1
#1	-0.0013	-0.0001	.0001	.0017	-0.0010	.0085	-0.0012	-0.0097	-0.0000
#2	-0.0012	-0.0001	.0003	.0023	-0.0040	.0065	-0.0005	-0.0029	-0.0000
#3	-0.0069	-0.0004	.0006	.0012	-0.0073	.0198	-0.0011	-0.0103	-0.0001

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0048	-0.0001	-0.0000	.0002	-0.0001	-0.0007	-0.0012	.0036
Stddev	.0002	.0049	.0003	.0014	.0013	.0011	.0013	.0022	.0007
%RSD	266.3	102.2	218.3	10790.	535.9	1551.	200.7	180.7	20.09
#1	.0001	-0.0019	-0.0003	.0016	-0.0013	.0004	.0006	.0005	.0038
#2	-0.0002	-0.0104	.0002	-0.0008	.0008	-0.0013	-0.0021	-0.0036	.0028
#3	.0003	-0.0020	-0.0004	-0.0008	.0012	.0007	-0.0005	-0.0004	.0042

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

Raw Data MA59103 page 65 of 267

[◀ Zoom In ▶](#)
[Zoom Out](#)

Sample Name: ICB Acquired: 8/7/2025 8:31:19 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	-0.0001	.0001	.0010	.0003	-0.0012	-0.0002	.0002
Stddev	.0010	.0000	.0002	.0019	.0003	.0008	.0002	.0001
%RSD	234.2	45.27	165.5	180.5	83.58	72.30	143.5	98.88
#1	.0007	-0.0001	.0000	.0014	.0001	-0.0013	.0001	.0003
#2	-0.0008	-0.0001	.0003	.0027	.0003	-0.0003	-0.0003	.0001
#3	-0.0012	-0.0000	-0.0000	-0.0010	.0006	-0.0019	-0.0003	.0000

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5402.6	81266.	24467.	3098.8
Stddev	17.6	354.	82.	9.5
%RSD	.32591	.43566	.33501	.30740
#1	5420.1	80860.	24390.	3106.4
#2	5403.0	81510.	24459.	3101.8
#3	5384.9	81427.	24553.	3088.1

Raw Data MA59103 page 66 of 267

[◀ Zoom In ▶](#)
[Zoom Out](#)

Sample Name: ICCV Acquired: 8/7/2025 8:41:10 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2437	39.57	1.999	1.985	1.975	2.022	1.957	40.15	2.025
Stddev	.0008	.08	.007	.008	.003	.003	.009	.14	.008
%RSD	.3353	.2067	.3277	.3859	.1719	.1653	.4526	.3485	.3789
#1	.2432	39.48	1.995	1.976	1.971	2.019	1.947	40.08	2.020
#2	.2448	39.53	1.999	1.987	1.973	2.019	1.959	40.14	2.022
#3	.2437	39.66	1.993	1.984	1.979	2.026	1.953	40.34	2.021
#4	.2430	39.60	2.008	1.994	1.977	2.024	1.968	40.02	2.036

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.992	2.025	1.982	1.906	40.13	39.43	1.979	39.79	2.025
Stddev	.005	.007	.006	.007	.08	.07	.005	.20	.007
%RSD	.2581	.3240	.3107	.3792	.2109	.1675	.2455	.5141	.3478
#1	1.988	2.022	1.980	1.903	40.09	39.35	1.973	39.76	2.021
#2	1.993	2.023	1.984	1.909	40.07	39.39	1.977	39.76	2.028
#3	1.999	2.021	1.989	1.897	40.26	39.49	1.984	40.07	2.033
#4	1.990	2.035	1.974	1.914	40.10	39.47	1.981	39.58	2.018

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

Raw Data MA59103 page 67 of 267

Sample Name: ICCV Acquired: 8/7/2025 8:41:10 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.991	39.82	2.032	2.005	2.022	2.008	1.978	1.995	4.981
Stddev	.007	.07	.007	.004	.008	.008	.008	.010	.021
%RSD	.3710	.1662	.3629	.1804	.3778	.3796	.3993	.5030	.4317
#1	1.985	39.74	2.028	2.002	2.023	2.001	1.972	1.983	4.958
#2	1.988	39.79	2.029	2.001	2.017	2.004	1.981	2.000	4.983
#3	1.988	39.89	2.027	2.007	2.016	2.009	1.971	1.990	4.974
#4	2.002	39.85	2.043	2.008	2.033	2.018	1.988	2.006	5.010

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

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.986	2.018	1.975	2.001	1.979	1.987	2.019	1.997
Stddev	.010	.020	.003	.007	.004	.008	.009	.005
%RSD	.4861	.9847	.1293	.3347	.2227	.4089	.4291	.2711
#1	1.981	2.002	1.975	1.994	1.976	1.978	2.017	1.995
#2	1.980	2.011	1.979	2.006	1.981	1.986	2.018	2.001
#3	1.983	2.047	1.974	1.997	1.983	1.987	2.009	2.003
#4	2.001	2.011	1.973	2.008	1.974	1.998	2.030	1.991

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

Raw Data MA59103 page 68 of 267

Sample Name: ICCV Acquired: 8/7/2025 8:41:10 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5576.2	81222.	23703.	3064.6
Stddev	17.3	410.	123.	10.1
%RSD	.30962	.50445	.51806	.32861
#1	5580.3	81744.	23708.	3069.4
#2	5574.0	80963.	23694.	3061.2
#3	5596.1	80836.	23555.	3075.6
#4	5554.4	81345.	23855.	3052.4

Raw Data MA59103 page 69 of 267

Sample Name: CCB Acquired: 8/7/2025 8:46:08 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	-0.0074	-0.0007	.0031	.0001	.0000	.0018	-0.0030	-0.0000
Stddev	.0001	.0045	.0003	.0005	.0001	.0000	.0010	.0008	.0001
%RSD	58.68	61.27	48.55	16.04	93.49	76.42	53.20	25.92	924.9
#1	-0.001	-0.0126	-0.0009	.0034	.0000	.0000	.0012	-0.0026	.0001
#2	-0.003	-0.0047	-0.0003	.0035	.0002	.0000	.0029	-0.0025	-0.0000
#3	-0.002	-0.0049	-0.0008	.0026	.0001	.0000	.0013	-0.0039	-0.0001

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027	-0.0001	-0.0001	-0.0009	.0011	.0182	-0.0003	-0.0120	-0.0000
Stddev	.0026	.0002	.0003	.0005	.0020	.0210	.0002	.0022	.0000
%RSD	97.43	277.4	325.9	53.41	178.8	115.5	64.62	18.13	145.1
#1	.0041	.0001	.0001	.0003	.0019	.0298	-0.0004	-0.0145	-0.0000
#2	.0043	-0.0002	-0.0005	.0012	.0025	.0308	-0.0002	-0.0107	-0.0001
#3	-0.003	-0.0001	.0001	.0010	-0.011	-0.061	-0.001	-0.0108	-0.0000

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	-0.0043	.0003	-0.0006	.0003	-0.0020	-0.0007	-0.0010	.0042
Stddev	.0004	.0029	.0002	.0009	.0006	.0008	.0015	.0005	.0003
%RSD	26.79	66.67	84.33	149.6	196.2	41.55	226.9	45.91	7.269
#1	.0017	-0.0034	.0002	-0.0002	-0.0003	-0.0011	.0010	-0.0005	.0045
#2	.0017	-0.0075	.0001	.0000	.0004	-0.0026	-0.0012	-0.0013	.0040
#3	.0010	-0.0020	.0005	-0.0016	.0009	-0.0024	-0.0019	-0.0012	.0040

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

Raw Data MA59103 page 70 of 267

Sample Name: CCB Acquired: 8/7/2025 8:46:08 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0000	.0004	-0.0015	-0.0001	-0.0014	-0.0003	.0002
Stddev	.0005	.0000	.0002	.0016	.0003	.0005	.0001	.0001
%RSD	780.5	105.5	51.38	101.5	618.9	36.95	28.78	69.48
#1	.0007	-0.0000	.0004	.0002	.0002	-0.0010	-0.0004	.0002
#2	-0.0001	-0.0000	.0007	-0.0021	.0000	-0.0019	-0.0002	.0003
#3	-0.0003	.0000	.0002	-0.0027	-0.0004	-0.0012	-0.0003	.0001

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5367.3	80897.	23970.	3104.2
Stddev	8.6	327.	199.	4.7
%RSD	.16016	.40402	.82824	.15031
#1	5376.6	80521.	23795.	3109.6
#2	5365.5	81058.	23931.	3101.6
#3	5359.7	81112.	24186.	3101.4

Raw Data MA59103 page 71 of 267

Sample Name: CRI Acquired: 8/7/2025 8:54:32 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047	.1949	.0074	.1022	.2005	.0020	.0181	5.090	.0030
Stddev	.0003	.0031	.0011	.0003	.0005	.0000	.0013	.007	.0002
%RSD	6.211	1.601	15.36	.3210	.2456	1.740	7.003	.1458	5.219
#1	.0050	.1983	.0087	.1019	.2011	.0020	.0168	5.085	.0030
#2	.0044	.1922	.0066	.1024	.2003	.0019	.0193	5.098	.0032
#3	.0047	.1943	.0069	.1025	.2001	.0020	.0182	5.086	.0029

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0011	.0527	.0100	F .0125	.1067	4.849	.0515	5.057	.0154
Stddev	.0015	.0001	.0002	.0004	.0015	.020	.0002	.021	.0001
%RSD	137.2	.1128	1.697	3.374	1.422	.4100	.4286	.4228	.3624
#1	.0005	.0527	.0099	.0129	.1050	4.857	.0516	5.034	.0154
#2	-0.0023	.0526	.0100	.0125	.1078	4.827	.0512	5.077	.0154
#3	-0.0014	.0527	.0102	.0121	.1074	4.864	.0516	5.060	.0153

Check ? Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range 20.00%

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0203	4.913	.0109	.0490	.0035	.0506	.0052	.0083	.2108
Stddev	.0000	.009	.0004	.0015	.0004	.0004	.0007	.0010	.0013
%RSD	.1458	.1827	3.360	3.129	11.35	.7880	13.75	11.75	.6212
#1	.0204	4.909	.0113	.0472	.0032	.0510	.0049	.0073	.2094
#2	.0204	4.908	.0108	.0500	.0034	.0506	.0060	.0092	.2111
#3	.0203	4.924	.0106	.0497	.0040	.0502	.0047	.0085	.2120

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

Raw Data MA59103 page 72 of 267

Sample Name: CRI Acquired: 8/7/2025 8:54:32 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0100	.0100	.0098	F .0077	.0497	.0482	.0208	F .0137
Stddev	.0019	.0000	.0002	.0021	.0001	.0010	.0001	.0004
%RSD	19.32	.3255	2.462	27.62	.1737	2.095	.3523	3.061
#1	.0104	.0100	.0096	.0100	.0497	.0471	.0208	.0141
#2	.0078	.0100	.0101	.0057	.0496	.0490	.0208	.0138
#3	.0116	.0100	.0097	.0075	.0498	.0486	.0209	.0132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.0100				.0100
Range				-20.00%				20.00%
Int. Std.	In2306	Y_3600	Y_3710	Y_2243				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	5396.6	81114.	24012.	3101.0				
Stddev	13.4	276.	97.	11.6				
%RSD	24870	.34041	.40337	.37330				
#1	5410.7	80970.	24122.	3114.0				
#2	5384.0	80939.	23938.	3091.6				
#3	5395.2	81432.	23978.	3097.5				

Raw Data MA59103 page 73 of 267

Sample Name: CRID Acquired: 8/7/2025 8:59:22 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0003	.0966	.0029	.0023	.0039	.0010	-.0029	1.011
Stddev	.0003	.0055	.0002	.0004	.0001	.0000	.0006	.007
%RSD	101.3	5.733	5.353	17.65	2.823	3.300	21.87	.6681
#1	-.0006	.1011	.0030	.0019	.0038	.0009	-.0036	1.019
#2	.0000	.0983	.0027	.0022	.0038	.0010	-.0024	1.009
#3	-.0005	.0904	.0029	.0027	.0040	.0010	-.0028	1.005
Check ?	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass
Value	.0020							
Range	-20.00%							
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-.0012	.0030	.0020	F .0031	-.0010	1.931	-.0009
Stddev	.0001	.0034	.0002	.0002	.0000	.0011	.041	.0002
%RSD	8.575	290.5	5.369	7.772	.8075	112.7	2.134	27.08
#1	.0011	.0018	.0028	.0018	.0031	-.0011	1.957	-.0012
#2	.0010	-.0005	.0031	.0020	.0031	.0002	1.951	-.0008
#3	.0011	-.0048	.0030	.0022	.0032	-.0020	1.883	-.0008
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	None
Value					.0020			
Range					20.00%			
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1064	.0030	.0001	.9692	.0045	.0005	F .0000	-.0032
Stddev	.0130	.0000	.0002	.0036	.0002	.0007	.0015	.0005
%RSD	12.22	1.394	266.1	.3700	5.364	147.5	6080.	17.05
#1	.1189	.0030	.0004	.9733	.0045	.0012	-.0015	-.0027
#2	.0930	.0030	-.0001	.9674	.0048	.0004	.0000	-.0037
#3	.1074	.0030	-.0000	.9668	.0043	-.0002	.0016	-.0031
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Fail	None
Value							.0025	
Range							-20.00%	

Raw Data MA59103 page 74 of 267

Sample Name: CRID Acquired: 8/7/2025 8:59:22 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0012	.0047	-.0001	.0002	-.0001	-.0004	F .0009	.0022
Stddev	.0018	.0018	.0007	.0008	.0000	.0005	.0009	.0003
%RSD	151.1	38.34	854.0	528.5	50.59	139.2	95.04	13.94
#1	-.0004	.0067	.0007	-.0002	-.0001	-.0002	-.0001	.0024
#2	.0001	.0035	-.0005	-.0005	-.0001	.0001	.0015	.0019
#3	-.0033	.0038	-.0004	.0011	-.0001	-.0009	.0013	.0025
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Fail	Chk Pass
Value	.0030						.0020	
Range	-20.00%						-20.00%	
Elem	W_2079	Zn2062	Zr3391					
Units	ppm	ppm	ppm					
Avg	-.0026	.0106	-.0001					
Stddev	.0004	.0000	.0002					
%RSD	16.16	.3934	209.5					
#1	-.0030	.0106	.0000					
#2	-.0022	.0106	-.0003					
#3	-.0027	.0106	.0000					
Check ?	None	Chk Pass	None					
Value								
Range								
Int. Std.	In2306	Y_3600	Y_3710	Y_2243				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	5378.4	80824.	24093.	3090.2				
Stddev	5.8	96.	279.	6.7				
%RSD	.10759	.11816	1.1562	.21627				
#1	5384.5	80728.	23800.	3096.5				
#2	5377.8	80919.	24122.	3090.9				
#3	5373.0	80827.	24355.	3083.1				

Raw Data MA59103 page 75 of 267

Sample Name: ICSA Acquired: 8/7/2025 9:04:17 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	480.0	.0019	.0020	.0069	-.0005	-.0048	357.1	.0008
Stddev	.0002	11.8	.0007	.0003	.0001	.0000	.0015	5.0	.0002
%RSD	75.32	2.459	39.21	15.44	1.355	2.411	32.42	1.393	27.64
#1	.0001	467.1	.0018	.0017	.0068	-.0005	-.0030	351.4	.0010
#2	.0004	490.3	.0027	.0020	.0069	-.0005	-.0056	359.8	.0007
#3	.0002	482.5	.0012	.0024	.0070	-.0004	-.0057	360.2	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
High Limit									
Low Limit									
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0115	.0004	-.0010	.0021	177.4	-.0926	-.0017	478.2	-.0054
Stddev	.0024	.0003	.0002	.0004	8	.0232	.0005	3.1	.0001
%RSD	20.61	91.56	17.75	18.23	.4293	25.04	30.63	.6407	1.290
#1	.0095	.0005	-.0012	.0017	176.6	-.0984	-.0011	474.8	-.0053
#2	.0141	-.0000	-.0011	.0025	178.0	-.0671	-.0021	479.1	-.0054
#3	.0108	.0006	-.0008	.0021	177.7	-.1124	-.0019	480.7	-.0055
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
High Limit									
Low Limit									
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0449	-.0012	-.0223	.0019	-.0136	.0022	.0045	.0018
Stddev	.0006	.0060	.0004	.0014	.0012	.0009	.0015	.0009	.0013
%RSD	35.56	13.29	32.30	6.245	65.07	6.728	68.72	20.19	72.28
#1	.0012	.0380	-.0013	-.0209	.0010	-.0127	.0023	.0053	.0004
#2	.0014	.0489	-.0014	-.0224	.0033	-.0145	.0006	.0047	.0029
#3	.0023	.0478	-.0007	-.0237	.0014	-.0137	.0036	.0035	.0020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
High Limit									
Low Limit									

Raw Data MA59103 page 76 of 267

Sample Name: ICSA Acquired: 8/7/2025 9:04:17 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

	Sn1899	Sn4077	Ti3349	Ti1908	V_2924	W_2079	Zn2602	Zr3391
Elem								
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.017	-0.008	-0.014	-0.034	-0.007	-0.019	-0.038	-0.007
Stddev	0.019	0.001	0.003	0.022	0.002	0.026	0.003	0.001
%RSD	111.1	13.88	19.14	64.26	22.71	133.6	6.941	1.549
#1	-0.0337	-0.009	-0.011	0.052	-0.006	-0.045	0.041	-0.078
#2	0.001	0.007	-0.015	0.010	-0.007	0.006	0.036	-0.079
#3	-0.0015	-0.008	-0.016	0.040	-0.009	-0.019	0.036	-0.076

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5634.0	80004.	24034.	2911.4
Stddev	10.5	281.	142.	7.4
%RSD	.18630	.35171	.59055	.25400

#1	5634.9	79697.	24188.	2913.8
#2	5644.0	80064.	24007.	2917.2
#3	5623.1	80250.	23908.	2903.0

Raw Data MA59103 page 77 of 267

Sample Name: ICSAB Acquired: 8/7/2025 9:09:31 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3399
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4905	.4856	.4830	.9756	.4947	.5014	.9592	.4399
StdDev	.0018	.0003	.0006	.0023	.0008	.0037	.0025	.0000
%RSD	.3613	.0522	.1271	.2407	.1631	.7478	.2636	.1955

#1	.4894	.4859	.4833	.9760	.4956	.4971	.9608	.440
#2	.4896	.4854	.4823	.9777	.4945	.5042	.9563	.439
#3	.4926	.4855	.4834	.9730	.4941	.5027	.9605	.440

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5666.0	8000.4	2386.8	2938.2
Stddev	6.9	129.	26.	8.6

#1	5672.8	80074.	23837.	2947.5
#2	5666.1	80082.	23883.	2936.6
#3	5659.0	79856.	23883.	2930.6

Raw Data MA59103 page 79 of 267

Sample Name: ICSAB Acquired: 8/7/2025 9:09:31 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3691	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.088	472.9	1.005	.5279	4848	.4772	.5125	355.4	1.0821
Stddev	.001	7.2	.004	.0029	.0005	.0003	.0022	5.2	.001
%RSD	.0460	1.512	.3984	.5547	.1066	.0660	.4289	1.461	.1090
#1	1.087	480.0	1.0000	5248	4848	.4775	.5150	361.1	1.080
#2	1.088	473.1	1.007	5283	4843	.4771	.5115	354.1	1.082
#3	1.088	465.7	1.007	5306	4854	.4769	.5109	351.0	1.082

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5195	.4990	.4682	.5225	173.3	-0.0540	.5245	476.6	.5048
Stddev	.0032	.0009	.0008	.0025	1.2	.0141	.0018	.6	.0007
%RSD	.6183	.1705	.1630	.4846	.6635	26.02	.3076	.1338	.1375

#1	.5232	.5000	.4690	.5224	174.4	-.0555	.5227	476.5	.5055
#2	.5177	.4986	.4675	.5251	173.4	-.0673	.5253	477.3	.5042
#3	.5176	.4984	.4680	.5200	172.1	-.0393	.5257	476.0	.5048

[illegible]

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5085	.0546	.9859	.5017	.9585	.4880	1.039	1.015	F .6511
Stddev	.0001	.0042	.0009	.0028	.0012	.0023	.005	.005	.0022
%RSD	.0221	7.707	.0885	.0517	.1239	.4716	.4442	.5461	.3442

#1	.5083	.0590	.9868	.4994	.9594	.4883	1.033	1.012	.6537
#2	.5085	.0506	.9851	.5048	.9588	.4856	1.041	1.022	.6495
#3	.5085	.0542	.9858	.5010	.9571	.4902	1.042	1.012	.6502

[illegible]

Raw Data MA59103 page 78 of 267

Sample Name: HSTD Acquired: 8/7/2025 9:14:31 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6177	-.0412	7.817	7.816	7.814	7.893	7.546	.0086	7.416
StdDev	.0004	.0396	.015	.013	.068	.019	.016	.0370	.009
%RSD	.0599	96.01	.1874	.1664	.8693	.2442	.2070	.429.0	.1283

#1	.6175	-.0645	7.827	7.829	7.782	7.894	7.564	-.0124	7.418
#2	.6174	-.0636	7.800	7.803	7.892	7.873	7.534	-.0131	7.405
#3	.6181	.0045	7.825	7.816	7.767	7.911	7.540	.0514	7.424

Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0142	8.056	7.944	7.428	.1081	.4494	7.993	.2220	7.891
Stddev	.0037	.004	.015	.003	.0164	.0345	.014	.0388	.077

#1	.0171	8.052	7.927	7.432	.0993	.4296	7.989	.1957	7.823
#2	.0154	8.058	7.950	7.428	.0980	.4893	8.009	.2037	7.875
#3	.0100	8.059	7.955	7.425	.1271	.4293	7.981	.2665	7.975

[illegible]

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.865	.0953	8.122	7.877	8.071	95.10	7.827	7.874	25.18
Stddev	.009	.0049	.007	.010	.010	.17	.016	.009	.04

#1	7.875	.0897	8.120	7.883	8.060	95.25	7.844	7.883	25.22
#2	7.857	.0973	8.116	7.865	8.075	94.91	7.812	7.864	25.15
#3	7.861	.0990	8.130	7.883	8.078	95.14	7.825	7.874	25.17

Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Raw Data MA59103 page 80 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: HSTD Acquired: 8/7/2025 9:14:31 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.866	7.889	7.864	7.826	7.886	8.159	8.105	8.035
Stddev	.009	.193	.007	.008	.009	.010	.004	.140
%RSD	.1131	2.446	.0869	.0979	.1187	.1229	.0467	1.736

#1	7.869	8.097	7.856	7.830	7.875	8.169	8.103	7.893
#2	7.856	7.716	7.867	7.817	7.893	8.149	8.102	8.172
#3	7.873	7.855	7.869	7.830	7.889	8.159	8.109	8.039

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5527.9	80857.	23983.	3040.2
Stddev	18.5	342.	89.	7.3
%RSD	.33518	.42299	.36983	.24036

#1	5547.5	81249.	23978.	3047.0
#2	5525.5	80621.	24074.	3041.1
#3	5510.7	80700.	23897.	3032.5

Raw Data MA59103 page 81 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: HSTD Acquired: 8/7/2025 9:19:47 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	288.0	.0039	.0107	.0059	.0015	.0008	183.2	.0028
Stddev	.0003	5.1	.0026	.0010	.0001	.0000	.0028	.5	.0000
%RSD	184.1	1.785	66.16	9.165	1.738	2.385	358.1	.2513	1.175

#1	-.0000	285.5	.0035	.0112	.0059	.0015	.0041	183.0	.0028
#2	.0005	294.0	.0068	.0114	.0059	.0015	-.0008	182.9	.0028
#3	-.0000	284.7	.0016	.0096	.0057	.0014	-.0009	183.8	.0029

Check ? None Chk Pass None None None None None Chk Pass None
Value
Range

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0155	.0024	.0007	.0052	180.2	190.8	.0020	288.0	-.0014
Stddev	.0019	.0004	.0003	.0002	2.6	.4	.0005	.8	.0000
%RSD	12.48	17.75	38.02	2.998	1.456	.2044	23.64	.2672	2.914

#1	.0177	.0020	.0007	.0053	177.2	191.2	.0015	287.9	-.0014
#2	.0144	.0025	.0004	.0051	181.1	190.7	.0023	288.8	-.0014
#3	.0143	.0028	.0010	.0053	182.3	190.4	.0022	287.3	-.0014

Check ? None None None None Chk Pass Chk Pass None Chk Pass None
Value
Range

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0077	189.0	-.0000	-.0078	.0071	.0140	.0013	.0082	.2349
Stddev	.0004	.9	.0003	.0011	.0009	.0010	.0015	.0018	.0008
%RSD	5.132	.4727	760.1	13.67	12.48	7.199	112.2	21.89	.3336

#1	.0081	189.3	-.0003	-.0076	.0081	.0149	.0005	.0101	.2351
#2	.0076	189.6	-.0001	-.0089	.0067	.0129	.0030	.0065	.2340
#3	.0074	187.9	.0003	-.0068	.0065	.0143	.0004	.0080	.2356

Check ? None Chk Pass None None None None None None None
Value
Range

Raw Data MA59103 page 82 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: HSTD Acquired: 8/7/2025 9:19:47 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020	.0019	.0012	.0009	.0013	.0022	.0045	-.0054
Stddev	.0006	.0001	.0001	.0018	.0000	.0029	.0001	.0002
%RSD	28.11	5.350	7.748	213.4	2.624	132.4	1.335	3.892

#1	.0014	.0020	.0012	.0012	.0013	-.0005	.0045	-.0056
#2	.0025	.0020	.0013	-.0011	.0012	.0052	.0046	-.0052
#3	.0022	.0018	.0012	.0025	.0013	.0019	.0045	-.0053

Check ? None None None None None None None None
Value
Range

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5728.9	82102.	23161.	3045.0
Stddev	5.3	318.	52.	4.2
%RSD	.09329	.38773	.22355	.13878

#1	5730.6	81753.	23189.	3045.3
#2	5733.3	82375.	23101.	3049.1
#3	5723.0	82179.	23192.	3040.6

Raw Data MA59103 page 83 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: sampleconf Acquired: 8/7/2025 9:25:10 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	292.6	.0029	.0038	.0041	-.0003	-.0026	187.7	.0006
Stddev	.0002	.9	.0005	.0004	.0001	.0000	.0019	1.9	.0001
%RSD	36.04	.3181	15.58	11.00	2.508	7.134	72.06	1.013	12.94

#1	.0006	292.3	.0032	.0038	.0041	-.0003	-.0031	185.5	.0007
#2	.0008	293.6	.0024	.0034	.0040	-.0003	-.0042	188.8	.0005
#3	.0004	291.8	.0032	.0043	.0042	-.0003	-.0005	188.8	.0006

Check ? None None None None None None None None None
Value
Range

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0167	.0005	-.0013	.0053	178.7	189.9	.0009	293.1	-.0033
Stddev	.0060	.0003	.0004	.0014	2.9	.1	.0014	.9	.0000
%RSD	35.80	56.07	28.78	26.81	1.635	.0390	151.1	.3237	.8352

#1	.0236	.0002	-.0016	.0038	177.8	189.9	.0025	293.5	-.0033
#2	.0124	.0008	-.0009	.0054	176.3	189.8	-.0002	293.9	-.0033
#3	.0142	.0005	-.0013	.0066	181.9	189.8	.0005	292.1	-.0034

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032	185.8	-.0013	-.0144	.0047	-.0091	-.0013	.0091	.0204
Stddev	.0005	1.4	.0002	.0009	.0009	.0018	.0013	.0023	.0020
%RSD	15.46	.7612	15.43	6.387	18.35	19.73	102.8	24.90	9.711

#1	.0027	184.3	-.0013	-.0152	.0039	-.0108	-.0001	.0109	.0221
#2	.0035	187.1	-.0012	-.0134	.0045	-.0072	-.0027	.0099	.0209
#3	.0036	186.0	-.0016	-.0146	.0056	-.0092	-.0011	.0066	.0182

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0003	-.0009	.0027	-.0008	-.0015	.0030	-.0070
Stddev	.0012	.0001	.0006	.0008	.0001	.0012	.0004	.0000
%RSD	1002.	24.98	64.38	31.25	18.88	81.51	12.18	.6119

#1	-.0014	.0003	-.0002	.0029	-.0006	-.0029	.0028	-.0069
#2	-.0000	.0004	-.0013	.0034	-.0009	-.0009	.0028	-.0070
#3	.0011	.0002	-.0011	.0018	-.0008	-.0007	.0034	-.0070

Raw Data MA59103 page 84 of 267

Sample Name: sampleconf Acquired: 8/7/2025 9:25:10 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5703.7	81358.	22949.	3029.7
Stddev	8.0	314.	71.	8.4
%RSD	.14113	.38589	.30730	.27593
#1	5709.0	81267.	22952.	3034.3
#2	5707.7	81708.	22877.	3034.9
#3	5694.5	81100.	23018.	3020.1

Raw Data MA59103 page 85 of 267

Sample Name: CCV Acquired: 8/7/2025 9:30:33 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2416	39.44	1.998	1.981	1.990	2.003	1.946	40.27	2.006
Stddev	.0009	.02	.012	.012	.003	.000	.007	.03	.005
%RSD	.3533	.0564	.5901	.5802	.1292	.0074	.3646	.0726	.2543
#1	2406	39.46	1.985	1.968	1.991	2.003	1.939	40.29	2.000
#2	2420	39.45	2.008	1.991	1.992	2.003	1.953	40.24	2.010
#3	2422	39.42	2.001	1.984	1.987	2.003	1.947	40.28	2.007

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.999	2.013	1.971	1.889	40.32	39.58	1.987	40.01	2.032
Stddev	.004	.002	.002	.005	.05	.05	.003	.08	.004
%RSD	.1930	.0782	.0878	.2515	.1254	.1375	.1625	.1948	.1860
#1	2.003	2.013	1.969	1.884	40.37	39.53	1.988	40.04	2.037
#2	1.997	2.012	1.972	1.893	40.33	39.63	1.989	39.92	2.031
#3	1.996	2.015	1.971	1.889	40.27	39.57	1.983	40.07	2.030

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.975	39.94	2.027	1.990	2.014	2.011	1.974	2.000	4.975
Stddev	.003	.03	.002	.007	.003	.006	.010	.008	.022
%RSD	.1739	.0765	.1096	.3632	.1542	.3160	.4940	.4217	.4523
#1	1.971	39.95	2.029	1.982	2.017	2.004	1.963	1.990	4.950
#2	1.976	39.96	2.024	1.995	2.011	2.017	1.978	2.005	4.992
#3	1.978	39.90	2.028	1.992	2.015	2.011	1.981	2.005	4.984

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

Raw Data MA59103 page 86 of 267

Sample Name: CCV Acquired: 8/7/2025 9:30:33 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.972	1.942	1.957	1.996	1.968	1.980	1.998	2.004
Stddev	.005	.040	.004	.003	.001	.007	.004	.004
%RSD	.2341	2.073	.1826	.1296	.0266	.3474	.1862	.1812
#1	1.974	1.900	1.953	1.999	1.968	1.973	1.998	2.008
#2	1.967	1.945	1.959	1.997	1.969	1.980	1.995	2.003
#3	1.975	1.980	1.960	1.994	1.968	1.986	2.002	2.001

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5623.3	81930.	23486.	3097.2
Stddev	14.6	124.	30.	13.1
%RSD	.25956	.15080	.12578	.42324
#1	5639.3	81828.	23483.	3112.1
#2	5610.7	82068.	23457.	3087.5
#3	5620.1	81894.	23516.	3092.0

Raw Data MA59103 page 87 of 267

Sample Name: CCB Acquired: 8/7/2025 9:35:12 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	-0.049	.0000	.0054	.0001	.0000	.0002	-0.0022	.0000
Stddev	.0001	.0043	.0003	.0001	.0001	.0000	.0016	.0017	.0003
%RSD	29.93	86.95	387.1	2.612	77.56	262.7	720.0	80.66	872.7
#1	-0.003	-0.009	-0.000	.0055	.0000	.0000	.0013	-0.0009	-0.002
#2	-0.003	-0.094	-0.003	.0055	.0002	.0000	.0009	-0.0041	-0.000
#3	-0.005	-0.044	.0004	.0053	.0001	-0.000	-0.0016	-0.0015	.0004

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0059	-0.0001	-0.0001	.0011	.0007	.0834	-0.0005	-0.0067	-0.0001
Stddev	.0017	.0002	.0001	.0008	.0026	.0197	.0004	.0068	.0000
%RSD	28.77	250.5	103.3	76.41	389.2	23.64	71.62	102.7	38.78
#1	-0.0051	-0.0003	-0.0000	.0005	.0030	.0616	-0.0003	-0.0056	-0.000
#2	-0.0079	.0001	-0.0001	.0007	.0011	.1000	-0.0003	-0.0004	-0.0001
#3	-0.0048	-0.0001	-0.0002	.0020	-0.0021	.0887	-0.0009	-0.0140	-0.0001

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	.0226	.0004	.0007	-0.0003	-0.0038	.0008	-0.0016	.0051
Stddev	.0001	.0084	.0003	.0007	.0014	.0009	.0004	.0018	.0012
%RSD	5.442	37.35	70.57	96.66	436.6	22.91	49.63	111.5	23.67
#1	.0014	.0316	.0003	.0015	.0011	-0.0042	.0004	-0.0025	.0045
#2	.0014	.0214	.0002	.0001	-0.0004	-0.0028	.0008	.0005	.0065
#3	.0016	.0148	.0007	.0007	-0.0016	-0.0045	.0012	-0.0029	.0043

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

Raw Data MA59103 page 88 of 267

Sample Name: CCB Acquired: 8/7/2025 9:35:12 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0001	-0.0002	.0001	-0.0000	-0.0017	.0001	.0003
Stddev	.0009	.0000	.0003	.0012	.0005	.0011	.0001	.0002
%RSD	596.5	69.65	126.4	1112.	1827.	64.75	238.9	54.42
#1	-0.0005	-0.0000	-0.0004	.0002	.0004	-0.0004	-0.0001	.0002
#2	-0.0002	-0.0000	.0001	.0013	.0001	-0.0025	.0001	.0006
#3	.0012	-0.0001	-0.0005	-0.0012	-0.0005	-0.0021	.0002	.0002

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5418.0	82257.	24228.	3117.3
Stddev	15.7	374.	217.	8.6
%RSD	.29055	.45473	.89478	.27486

#1	5415.2	82525.	24053.	3115.7
#2	5435.0	81829.	24471.	3126.6
#3	5403.9	82415.	24161.	3109.7

Raw Data MA59103 page 89 of 267

Sample Name: CRI Acquired: 8/7/2025 9:40:08 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044	.1984	.0070	.1044	.1981	.0020	.0176	5.021	.0031
Stddev	.0003	.0057	.0006	.0005	.0004	.0001	.0007	.013	.0000
%RSD	5.699	2.886	8.970	.4395	.1834	3.401	4.108	.2642	1.258
#1	.0045	.1920	.0072	.1049	.1980	.0020	.0184	5.028	.0031
#2	.0047	.1999	.0063	.1043	.1978	.0020	.0171	5.005	.0031
#3	.0042	.2032	.0075	.1040	.1985	.0021	.0172	5.029	.0031

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	.0528	.0100	.0095	.1047	4.873	.0498	4.974	.0154
Stddev	.0029	.0000	.0001	.0006	.0019	.021	.0005	.020	.0001
%RSD	582.4	.0873	1.250	6.427	1.794	.4260	1.019	.3988	.6121

#1	.0027	.0527	.0101	.0101	.1047	4.863	.0492	4.981	.0154
#2	-0.0011	.0527	.0099	.0096	.1029	4.859	.0502	4.951	.0154
#3	-0.0031	.0528	.0100	.0089	.1066	4.896	.0499	4.989	.0155

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0206	4.908	.0108	.0505	.0028	.0484	.0056	.0086	.2109
Stddev	.0000	.010	.0002	.0008	.0009	.0014	.0007	.0002	.0017
%RSD	.1949	.2088	2.128	1.617	33.10	2.993	12.62	2.632	.7891

#1	.0206	4.906	.0110	.0496	.0039	.0476	.0054	.0084	.2117
#2	.0207	4.899	.0107	.0512	.0022	.0476	.0065	.0086	.2090
#3	.0206	4.919	.0105	.0505	.0024	.0501	.0051	.0086	.2121

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

Raw Data MA59103 page 90 of 267

Sample Name: CRI Acquired: 8/7/2025 9:40:08 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0099	.0100	.0101	.0081	.0498	.0480	.0211	F .0140
Stddev	.0001	.0001	.0003	.0010	.0004	.0016	.0003	.0003
%RSD	1.079	1.096	3.336	12.78	.8582	3.374	1.256	2.483
#1	.0100	.0099	.0104	.0070	.0499	.0477	.0208	.0144
#2	.0098	.0099	.0097	.0091	.0502	.0498	.0211	.0138
#3	.0099	.0101	.0100	.0081	.0494	.0466	.0213	.0137

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
Value .0100
Range 20.00%

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5435.5	81734.	23987.	3120.7
Stddev	6.6	615.	116.	2.4
%RSD	.12122	.75292	.48151	.07847

#1	5441.1	82430.	23891.	3121.6
#2	5437.3	81510.	24115.	3122.6
#3	5428.3	81262.	23954.	3117.9

Raw Data MA59103 page 91 of 267

Sample Name: JE15707-7UNDCONF Acquired: 8/7/2025 9:44:58 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: FB/CU

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0650	.0007	.0303	.0035	.0000	.0030	.0806	-0.0003
Stddev	.0001	.0047	.0005	.0001	.0001	.0001	.0015	.0009	.0001
%RSD	94.96	7.213	73.73	.4186	2.086	147.0	50.52	1.123	56.15
#1	-0.0003	.0680	.0010	.0304	.0036	.0001	.0042	.0816	-0.0003
#2	-0.0001	.0596	.0001	.0303	.0036	.0000	.0034	.0805	-0.0001
#3	-0.0001	.0675	.0009	.0302	.0035	.0000	.0013	.0798	-0.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0025	.0004	-0.0000	.0124	.0011	.0490	-0.0007	.0080	.0004
Stddev	.0017	.0001	.0004	.0005	.0015	.0115	.0006	.0068	.0001
%RSD	70.54	42.45	906.0	4.208	139.8	23.47	82.63	85.08	17.73
#1	-0.0005	.0002	-0.0001	.0120	.0029	.0440	-0.0005	.0148	.0004
#2	-0.0038	.0005	.0004	.0130	.0000	.0408	-0.0014	.0078	.0003
#3	-0.0031	.0004	-0.0004	.0122	.0004	.0621	-0.0003	.0013	.0004

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	.2117	-0.0005	.0243	.0006	.0034	-0.0020	-0.0027	.0505
Stddev	.0002	.0067	.0003	.0014	.0005	.0003	.0005	.0014	.0003
%RSD	53.20	3.179	65.66	5.867	84.76	9.970	23.44	52.09	.6206
#1	-0.0002	.2075	-0.0002	.0252	.0000	.0033	-0.0024	-0.0011	.0505
#2	-0.0006	.2082	-0.0005	.0250	.0008	.0037	-0.0015	-0.0037	.0508
#3	-0.0003	.2195	-0.0008	.0226	.0010	.0030	-0.0023	-0.0034	.0502

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0012	.0009	-0.0020	.0004	-0.0043	.0194	.0000
Stddev	.0015	.0001	.0002	.0004	.0003	.0007	.0002	.0002
%RSD	1820.	5.731	28.21	21.54	72.69	16.76	.9408	646.2

#1	-0.0013	.0012	.0007	-0.0019	.0006	-0.0050	.0196	.0003
#2	-0.0005	.0012	.0012	-0.0025	.0005	-0.0043	.0192	-0.0001
#3	.0016	.0011	.0008	-0.0016	.0001	-0.0036	.0195	-0.0001

Raw Data MA59103 page 92 of 267

[◀ Zoom In ▶](#)
Zoom Out

Sample Name: JE15707-7UNDCONF Acquired: 8/7/2025 9:44:58 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: FB/CU

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5325.2	80348.	23261.	3096.8
Stddev	11.7	385.	64.	7.9
%RSD	.21973	.47912	.27541	.25544

#1 5315.4 79959. 23192. 3088.7
#2 5338.2 80354. 23318. 3104.6
#3 5322.2 80729. 23272. 3097.0

Raw Data MA59103 page 93 of 267

[◀ Zoom In ▶](#)
Zoom Out

Sample Name: MP56392-MB1 1 Acquired: 8/7/2025 9:50:51 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-.0021	.0007	.0048	.0001	-.0000	.0031	.0006	-.0002
Stddev	.0003	.0045	.0004	.0003	.0001	.0000	.0014	.0026	.0001
%RSD	126.7	211.7	54.69	5.503	121.9	199.7	45.29	428.0	61.73

#1 .0004 .0016 .0010 .0050 -.0000 .0000 .0047 .0029 -.0002
#2 .0003 -.0009 .0003 .0045 .0001 -.0001 .0021 -.0022 -.0001
#3 -.0001 -.0071 .0008 .0049 .0002 -.0000 .0025 .0011 -.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0069	-.0000	-.0003	.0023	-.0009	.0269	-.0009	-.0002	.0001
Stddev	.0070	.0002	.0003	.0007	.0006	.0182	.0012	.0057	.0000
%RSD	102.0	491.9	91.63	29.76	67.66	67.59	139.1	3706.	28.48

#1 -.0065 .0002 -.0000 .0016 -.0006 .0412 .0004 -.0017 .0001
#2 -.0140 -.0002 -.0002 .0029 -.0005 .0330 -.0009 -.0050 .0001
#3 -.0000 -.0001 -.0006 .0024 -.0017 .0064 -.0020 .0062 .0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	.0103	.0001	.0021	.0027	.0038	-.0024	-.0043	.1001
Stddev	.0001	.0062	.0003	.0016	.0015	.0008	.0010	.0007	.0001
%RSD	12.54	60.16	283.9	75.54	54.63	21.74	40.56	17.26	.1421

#1 -.0005 .0170 -.0002 .0037 .0038 .0030 -.0034 -.0040 .1000
#2 -.0005 .0048 .0004 .0006 .0010 .0047 -.0022 -.0052 .1001
#3 -.0004 .0091 .0001 .0019 .0033 .0037 -.0015 -.0038 .1003

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	-.0000	.0003	-.0020	.0002	-.0042	.0002	.0000
Stddev	.0006	.0001	.0002	.0004	.0001	.0008	.0002	.0001
%RSD	158.1	338.7	74.21	21.37	35.10	18.25	82.78	4474.

#1 -.0006 .0001 .0005 -.0016 .0003 -.0049 .0004 .0001
#2 -.0009 -.0001 .0001 -.0019 .0001 -.0041 .0000 -.0001
#3 .0003 -.0001 .0002 -.0024 .0002 -.0034 .0002 -.0000

Raw Data MA59103 page 94 of 267

[◀ Zoom In ▶](#)
Zoom Out

Sample Name: MP56392-MB1 1 Acquired: 8/7/2025 9:50:51 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5289.8	79773.	23200.	3087.4
Stddev	6.9	184.	195.	6.7
%RSD	.13128	.23003	.84225	.21697

#1 5292.0 79977. 23418. 3094.3
#2 5282.0 79719. 23040. 3081.0
#3 5295.4 79622. 23142. 3086.9

Raw Data MA59103 page 95 of 267

[◀ Zoom In ▶](#)
Zoom Out

Sample Name: MP56377-S1 7 Acquired: 8/7/2025 9:55:46 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA/FE

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3137	102.1	1.721	2.065	2.712	2.724	-.0249	159.7
Stddev	.0196	4.8	.291	.345	.125	.128	.0050	7.5
%RSD	6.232	4.663	16.90	16.70	4.602	4.704	20.26	4.717

#1 .3331 107.1 2.024 2.424 2.843 2.855 -.0221 167.3
#2 .3141 101.8 1.693 2.035 2.696 2.719 -.0307 159.5
#3 .2940 97.55 1.445 1.736 2.595 2.599 -.0219 152.2

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.746	.0866	1.755	2.589	3.245	332.9	49.52	.0709
Stddev	.296	.0115	.298	.140	.185	14.8	2.30	.0047
%RSD	16.97	13.33	16.97	5.418	5.686	4.441	4.639	6.690

#1 2.055 .0972 2.066 2.733 3.430 347.8 51.82 .0764
#2 1.721 .0884 1.726 2.581 3.245 332.6 49.51 .0681
#3 1.464 .0743 1.472 2.453 3.061 318.3 47.23 .0683

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	83.90	4.683	1.716	F 1209.	2.115	1.632	2.264	F 2063.
Stddev	4.06	.256	.290	.28	.356	.281	.391	.285
%RSD	4.838	5.466	16.92	2.292	16.84	17.20	17.29	13.83

#1 87.97 4.940 2.018 1235. 2.487 1.925 2.670 2356.
#2 83.87 4.680 1.691 1211. 2.080 1.604 2.234 2045.
#3 79.86 4.428 1.438 1180. 1.777 1.366 1.889 1787.

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.669	1.753	28.32	1.683	3.040	4.555	W 1.693	2.416
Stddev	.286	.308	4.84	.285	.137	.255	.283	.132
%RSD	17.15	17.59	17.09	16.95	4.513	5.599	16.71	5.441

#1 1.962 2.071 33.35 1.981 3.183 4.816 1.986 2.549
#2 1.655 1.734 27.92 1.654 3.028 4.544 1.671 2.413
#3 1.390 1.455 23.70 1.413 2.909 4.306 1.421 2.286

Raw Data MA59103 page 96 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56377-S1 7 Acquired: 8/7/2025 9:55:46 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA/FE

Elem Units	W_2079 ppm	Zn2062 ppm	Zr3391 ppm	
Avg	1.671	3.089	2.345	
Stddev	.285	.520	.124	
%RSD	17.08	16.84	5.307	
#1	1.964	3.633	2.470	
#2	1.657	3.037	2.343	
#3	1.393	2.596	2.221	
Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5469.3	80596.	23427.	3063.8
Stddev	16.0	193.	153.	3.5
%RSD	29198	23890	65374	11457
#1	5486.4	80769.	23406.	3065.0
#2	5466.7	80388.	23286.	3059.8
#3	5454.7	80630.	23590.	3066.5

Raw Data MA59103 page 97 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56377-S2 Acquired: 8/7/2025 10:00:35 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA/FE

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm	
Avg	3054	102.8	1.787	2.165	2.618	2.620	-0.0210	161.9	
Stddev	.0140	5.0	.251	.295	.128	.126	.0074	7.1	
%RSD	4.589	4.831	14.07	13.65	4.882	4.799	35.19	4.414	
#1	3205	107.8	2.048	2.470	2.744	2.744	-0.0276	169.1	
#2	3030	102.8	1.765	2.144	2.621	2.623	-0.0224	161.9	
#3	2928	97.85	1.547	1.880	2.489	2.493	-0.0130	154.8	
Elem Units	Cd2288 ppm	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm	
Avg	1.791	.0640	1.802	2.522	3.241	338.1	49.01	.0741	
Stddev	.247	.0175	.247	.122	.168	15.7	2.46	.0044	
%RSD	13.76	27.40	13.68	4.819	5.184	4.649	5.017	5.931	
#1	2.045	.0807	2.056	2.642	3.412	353.6	51.52	.0699	
#2	1.776	.0654	1.786	2.527	3.234	338.6	48.90	.0786	
#3	1.553	.0458	1.564	2.399	3.076	322.2	46.61	.0738	
Elem Units	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm	
Avg	84.07	4.684	1.766	F 1243.	2.181	1.779	2.335	F 2215.	
Stddev	3.58	.211	.242	57.	.299	.250	.320	.243.	
%RSD	4.253	4.506	13.71	4.615	13.72	14.05	13.72	10.97	
#1	87.70	4.891	2.016	1304.	2.490	2.038	2.666	2463.	
#2	83.97	4.692	1.750	1236.	2.160	1.759	2.313	2205.	
#3	80.55	4.469	1.533	1190.	1.892	1.540	2.026	1977.	
Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	
Avg	1.721	1.816	31.42	1.730	2.954	4.563	W 1.740	2.349	
Stddev	.243	.243	4.35	.237	.145	.211	.234	.243.	
%RSD	14.14	13.36	13.83	13.69	4.911	4.635	13.47	4.673	
#1	1.972	2.064	35.86	1.974	3.097	4.776	1.986	2.460	
#2	1.704	1.804	31.21	1.715	2.957	4.562	1.715	2.347	
#3	1.487	1.579	27.18	1.501	2.807	4.353	1.520	2.241	

Raw Data MA59103 page 98 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56377-S2 Acquired: 8/7/2025 10:00:35 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA/FE

Elem Units	W_2079 ppm	Zn2062 ppm	Zr3391 ppm	
Avg	1.721	3.252	2.295	
Stddev	.238	.431	.103	
%RSD	13.83	13.26	4.472	
#1	1.969	3.698	2.394	
#2	1.698	3.222	2.301	
#3	1.495	2.837	2.189	
Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5499.1	81020.	23581.	3063.4
Stddev	8.5	101.	114.	5.5
%RSD	15531	12439	48280	18058
#1	5507.8	81119.	23605.	3060.5
#2	5498.5	80917.	23680.	3059.9
#3	5490.8	81025.	23456.	3069.8

Raw Data MA59103 page 99 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16402-1 Acquired: 8/7/2025 10:05:23 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA/FE

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm	Cd2288 ppm
Avg	.0018	68.94	.0467	.4495	.0429	.0036	-0.0177	125.4	.0086
Stddev	.0014	2.61	.0082	.0582	.0024	.0004	.0030	4.3	.0020
%RSD	77.84	3.785	17.63	12.94	5.681	12.21	17.06	3.397	23.50
#1	.0016	71.41	.0560	.5082	.0454	.0041	-.0195	129.2	.0107
#2	.0033	69.19	.0439	.4484	.0429	.0034	-.0195	126.1	.0086
#3	.0005	66.21	.0402	.3919	.0405	.0032	-.0143	120.8	.0066
Elem Units	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm	Mg2790 ppm	Mn2576 ppm
Avg	.0798	.0412	.3254	1.051	295.6	16.22	.0729	50.14	2.336
Stddev	.0201	.0056	.0172	.060	11.0	.61	.0018	1.54	.127
%RSD	25.14	13.66	5.289	5.725	3.713	3.777	2.471	3.081	5.430
#1	.1030	.0465	.3418	1.110	305.9	16.75	.0732	51.51	2.461
#2	.0688	.0418	.3270	1.054	296.8	16.35	.0745	50.45	2.339
#3	.0677	.0353	.3074	.9895	284.1	15.55	.0709	48.47	2.207
Elem Units	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm
Avg	.0246	F 1192.	.3959	1.711	.5494	F 2135.	.0020	.0267	30.20
Stddev	.0026	40.	.0573	.229	.0866	.241.	.0041	.0072	4.21
%RSD	10.61	3.331	14.47	13.37	15.76	11.28	199.8	26.81	13.94
#1	.0270	1231.	.4563	1.942	.6343	2382.	.0027	.0261	34.56
#2	.0249	1193.	.3891	1.705	.5527	2123.	-.0023	.0342	29.90
#3	.0218	1152.	.3423	1.485	.4612	1900.	.0058	.0199	26.15
Elem Units	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	W_2079 ppm	Zn2062 ppm	Zr3391 ppm	
Avg	.0066	.3421	2.303	-.0047	.1602	-.0134	1.468	.0144	
Stddev	.0032	.0138	.124	.0106	.0081	.0080	.210	.0007	
%RSD	48.02	4.038	5.375	226.4	5.028	60.26	14.28	5.017	
#1	.0063	.3554	2.424	-.0119	.1681	-.0049	1.686	.0145	
#2	.0036	.3430	2.309	.0075	.1603	-.0209	1.451	.0150	
#3	.0099	.3278	2.177	-.0096	.1520	-.0143	1.268	.0136	

Raw Data MA59103 page 100 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16402-1 Acquired: 8/7/2025 10:05:23 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA/FE

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5492.8	81977.	23854.	3070.5
Stddev	16.2	262.	242.	6.0
%RSD	.29530	.32012	1.0163	.19629

#1	5509.4	81958.	24116.	3077.2
#2	5492.1	81725.	23808.	3068.7
#3	5477.0	82249.	23638.	3065.6

Raw Data MA59103 page 101 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56377-SD1 Acquired: 8/7/2025 10:10:18 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA/FE

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0060	71.85	.0391	.5293	.0467	.0022	-0.0325	131.2	.0077
Stddev	.0024	5.04	.0109	.0676	.0037	.0009	.0171	9.4	.0025
%RSD	40.19	7.014	27.88	12.76	7.852	42.26	52.58	7.199	31.90

#1	-.0032	77.01	.0510	.5991	.0490	.0032	-.0138	141.0	.0089
#2	-.0077	71.60	.0296	.5246	.0486	.0017	-.0473	130.6	.0093
#3	-.0070	66.94	.0368	.4642	.0424	.0016	-.0362	122.1	.0049

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0187	.0449	.3245	1.022	306.0	17.33	.0715	52.59	2.301
Stddev	.0646	.0051	.0108	.067	22.5	.61	.0030	3.95	.121
%RSD	345.6	11.26	3.314	6.560	7.346	3.527	4.128	7.506	5.262

#1	.0533	.0503	.3337	1.094	328.8	17.96	.0738	56.50	2.424
#2	-.0715	.0403	.3271	1.011	305.4	17.30	.0726	52.66	2.298
#3	-.0379	.0440	.3127	.9616	283.8	16.74	.0682	48.60	2.182

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0239	1221.	.4065	1.735	.5588	F 2512.	.0168	.0239	30.56
Stddev	.0035	84.	.0607	.233	.0930	355.	.0387	.0217	4.49
%RSD	14.65	6.848	14.94	13.43	16.65	14.12	230.9	90.97	14.71

#1	.0241	1305.	.4677	1.976	.6349	2870.	.0066	.0443	35.07
#2	.0274	1219.	.4056	1.717	.5863	2507.	-.0158	.0011	30.52
#3	.0204	1138.	.3462	1.511	.4551	2160.	.0595	.0262	26.08

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0178	.3614	2.272	.0041	.1520	-.0737	1.590	.0144
Stddev	.0082	.0249	.134	.0205	.0128	.0196	.130	.0031
%RSD	46.30	6.886	5.902	498.8	8.393	26.59	13.85	21.64

#1	.0105	.3854	2.411	-.0115	.1614	-.0511	1.805	.0160
#2	.0161	.3630	2.263	.0273	.1572	-.0838	1.601	.0164
#3	.0268	.3357	2.143	-.0035	.1375	-.0862	1.365	.0108

Raw Data MA59103 page 102 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56377-SD1 Acquired: 8/7/2025 10:10:18 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA/FE

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5416.6	81556.	24080.	3076.5
Stddev	14.1	279.	111.	10.6
%RSD	.26124	.34157	.46188	.34454

#1	5411.6	81877.	23962.	3067.9
#2	5432.6	81374.	24182.	3088.3
#3	5405.6	81418.	24095.	3073.2

Raw Data MA59103 page 103 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56273-S1 Acquired: 8/7/2025 10:15:07 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2590	83.95	1.410	1.668	2.299	2.327	-.0201	131.5
Stddev	.0174	4.67	.159	.186	.130	.130	.0074	6.9
%RSD	6.725	5.566	11.30	11.18	5.649	5.566	36.89	5.278

#1	.2770	88.82	1.562	1.842	2.434	2.460	-.0141	138.9
#2	.2577	83.52	1.423	1.690	2.289	2.320	-.0284	130.5
#3	.2422	79.50	1.244	1.472	2.174	2.201	-.0178	125.1

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.445	.0684	1.455	2.169	2.655	285.7	41.54	.0548
Stddev	.168	.0188	.167	.150	.195	14.1	2.17	.0037
%RSD	11.60	27.17	11.44	6.904	7.347	5.301	5.219	6.802

#1	1.601	.0911	1.614	2.309	2.841	280.3	43.56	.0575
#2	1.466	.0579	1.469	2.187	2.673	264.5	41.81	.0505
#3	1.268	.0591	1.282	2.011	2.452	252.2	39.25	.0562

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	68.28	3.858	1.417	F 1014.	1.727	1.301	1.834	F 1687.
Stddev	3.50	.264	.163	47.	.197	.144	.206	165.
%RSD	5.121	6.843	11.46	4.640	11.40	11.10	11.24	9.781

#1	72.01	4.109	1.569	1061.	1.914	1.435	2.027	1838.
#2	67.75	3.881	1.436	1016.	1.746	1.320	1.858	1711.
#3	65.08	3.583	1.246	966.8	1.521	1.148	1.617	1511.

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.359	1.433	18.97	1.395	2.592	3.666	W 1.373	2.029
Stddev	.163	.163	2.25	.166	.146	.255	.169	.138
%RSD	11.99	11.35	11.85	11.92	5.654	6.967	12.32	6.789

#1	1.503	1.582	21.03	1.552	2.741	3.908	1.535	2.161
#2	1.390	1.458	19.30	1.411	2.587	3.693	1.387	2.041
#3	1.182	1.260	16.57	1.221	2.448	3.399	1.197	1.886

Raw Data MA59103 page 104 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56273-S1 Acquired: 8/7/2025 10:15:07 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.379	2.562	1.965
Stddev	.163	.289	.134
%RSD	11.78	11.28	6.840

#1	1.533	2.834	2.094
#2	1.395	2.594	1.976
#3	1.209	2.258	1.826

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5485.8	80831.	23869.	3064.8
Stddev	25.4	46.	214.	19.8
%RSD	.46283	.05664	.89534	.64608

#1	5513.3	80884.	23850.	3077.2
#2	5463.2	80810.	24092.	3042.0
#3	5480.9	80801.	23666.	3075.2

Raw Data MA59103 page 105 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56273-S2 Acquired: 8/7/2025 10:19:56 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2571	85.25	1.508	1.804	2.321	2.341	-.0111	134.8
Stddev	.0149	4.75	.145	.166	.130	.131	.0061	7.1
%RSD	5.787	5.576	9.641	9.211	5.604	5.600	54.76	5.253

#1	.2731	89.89	1.664	1.983	2.452	2.468	-.0055	141.3
#2	.2544	85.48	1.484	1.773	2.318	2.349	-.0103	135.9
#3	.2437	80.39	1.377	1.655	2.192	2.206	-.0176	127.3

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.541	.0683	1.548	2.136	2.623	271.9	41.76	.0560
Stddev	.149	.0153	.147	.138	.192	14.5	2.31	.0041
%RSD	9.651	22.41	9.511	6.441	7.309	5.321	5.544	7.283

#1	1.699	.0851	1.705	2.277	2.820	285.8	44.10	.0591
#2	1.519	.0552	1.526	2.129	2.611	273.0	41.72	.0574
#3	1.404	.0646	1.413	2.002	2.437	256.9	39.47	.0514

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	70.38	3.831	1.505	F 1030.	1.843	1.405	1.969	F 1803.
Stddev	3.55	.251	.142	.64.	.178	.141	.199	144.
%RSD	5.043	6.558	9.438	6.238	9.666	10.00	10.08	7.957

#1	73.46	4.087	1.656	1083.	2.034	1.556	2.181	1956.
#2	71.18	3.822	1.484	1048.	1.813	1.380	1.936	1782.
#3	66.50	3.585	1.374	958.6	1.681	1.278	1.788	1671.

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.468	1.530	20.88	1.480	2.609	3.631	W 1.488	1.998
Stddev	.141	.148	1.97	.142	.152	.246	.149	.133
%RSD	9.578	9.674	9.408	9.571	5.813	6.763	9.984	6.640

#1	1.620	1.689	23.01	1.634	2.761	3.876	1.647	2.134
#2	1.442	1.506	20.50	1.453	2.607	3.631	1.466	1.991
#3	1.342	1.396	19.14	1.354	2.458	3.385	1.352	1.869

Raw Data MA59103 page 106 of 267

7.1
7[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56273-S2 Acquired: 8/7/2025 10:19:56 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.466	2.734	1.953
Stddev	.132	.268	.132
%RSD	9.032	9.793	6.743

#1	1.607	3.018	2.087
#2	1.447	2.697	1.947
#3	1.344	2.486	1.824

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5488.5	80907.	23545.	3068.4
Stddev	12.0	309.	277.	4.9
%RSD	.21839	.38213	1.1765	.16070

#1	5499.8	80594.	23812.	3072.7
#2	5489.8	81212.	23259.	3069.6
#3	5475.9	80916.	23564.	3063.0

Raw Data MA59103 page 107 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56273-PS1 Acquired: 8/7/2025 10:24:43 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2738	65.82	2.044	2.388	1.956	1.981	-.0083	98.49
Stddev	.0005	.14	.005	.001	.004	.005	.0007	.78
%RSD	.1867	.2101	.2365	.0393	.2304	.2391	8.564	.7881

#1	.2741	65.97	2.039	2.388	1.962	1.986	-.0081	99.00
#2	.2742	65.71	2.045	2.386	1.954	1.976	-.0090	97.59
#3	.2732	65.77	2.048	2.388	1.953	1.980	-.0076	98.87

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.054	.0828	1.975	2.146	2.882	190.1	35.10	.0429
Stddev	.002	.0012	.003	.005	.013	1.4	.08	.0005
%RSD	.1002	1.412	.1689	.2498	.4510	.7602	2.268	1.255

#1	2.053	.0815	1.973	2.151	2.868	191.7	35.10	.0434
#2	2.054	.0837	1.973	2.145	2.886	188.9	35.03	.0430
#3	2.057	.0833	1.979	2.141	2.893	189.7	35.19	.0423

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	53.24	3.576	2.017	F 697.5	2.280	1.617	2.439	F 1088.
Stddev	.25	.007	.003	19.7	.003	.002	.005	6.
%RSD	.4702	.1967	.1551	2.823	.1311	.1316	.2038	.5154

#1	53.45	3.584	2.016	718.1	2.277	1.614	2.433	1094.
#2	52.96	3.572	2.015	678.9	2.279	1.619	2.441	1088.
#3	53.31	3.571	2.021	695.6	2.283	1.617	2.443	1082.

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.015	2.194	F 27.65	2.005	2.144	3.510	W 1.996	2.046
Stddev	.002	.002	.02	.004	.061	.000	.008	.004
%RSD	.0934	.0979	.0856	.2145	2.831	.0112	.3938	.2141

#1	2.014	2.194	27.68	2.003	2.210	3.510	1.993	2.048
#2	2.018	2.196	27.63	2.002	2.090	3.510	1.990	2.050
#3	2.015	2.192	27.64	2.010	2.133	3.511	2.005	2.041

Raw Data MA59103 page 108 of 267

Sample Name: MP56273-PS1 Acquired: 8/7/2025 10:24:43 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	W_2079 ppm	Zn2062 ppm	Zr3391 ppm
Avg	1.913	3.226	1.991
Stddev	.011	.005	.006
%RSD	.5900	.1661	.2791

#1	1.903	3.220	1.992
#2	1.911	3.226	1.996
#3	1.925	3.231	1.985

Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5824.4	83272.	23787.	3075.5
Stddev	15.3	282.	80.	6.3
%RSD	26301	.33836	.33729	.20542

#1	5841.8	83137.	23766.	3082.7
#2	5812.8	83083.	23876.	3070.8
#3	5818.7	83596.	23720.	3072.9

Raw Data MA59103 page 109 of 267

Sample Name: CCV Acquired: 8/7/2025 10:30:04 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm	Cd2288 ppm
Avg	2378	39.09	1.947	1.933	1.964	1.972	1.889	40.09	1.970
Stddev	.0002	.09	.007	.007	.004	.004	.007	.15	.003
%RSD	.0715	.2208	.3533	.3774	.1886	.1786	.3569	.3636	.1697

#1	2377	39.10	1.941	1.925	1.961	1.974	1.881	40.13	1.967
#2	2380	39.17	1.946	1.939	1.968	1.974	1.891	40.21	1.970
#3	2377	39.00	1.954	1.935	1.964	1.968	1.894	39.92	1.974

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

Elem Units	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm	Mg2790 ppm	Mn2576 ppm
Avg	1.971	1.984	1.949	1.839	40.09	39.11	1.964	40.16	2.016
Stddev	.001	.002	.002	.005	.08	.05	.006	.23	.002
%RSD	.0392	.0955	.0905	.2702	.2027	.1394	.3156	.5749	.0984

#1	1.971	1.984	1.951	1.833	40.09	39.17	1.958	40.22	2.017
#2	1.971	1.982	1.949	1.841	40.17	39.08	1.971	40.36	2.018
#3	1.972	1.986	1.948	1.843	40.01	39.08	1.963	39.91	2.014

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

Elem Units	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm
Avg	1.935	39.66	2.001	1.950	2.002	2.028	1.927	1.950	4.848
Stddev	.004	.07	.004	.010	.003	.001	.009	.005	.020
%RSD	.2265	.1740	.1871	.5344	.1497	.0641	.4926	.2548	.4111

#1	1.930	39.64	2.000	1.939	2.001	2.030	1.917	1.944	4.825
#2	1.937	39.74	1.997	1.950	2.000	2.028	1.928	1.950	4.862
#3	1.938	39.61	2.005	1.960	2.005	2.027	1.936	1.954	4.857

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

Raw Data MA59103 page 110 of 267

Sample Name: CCV Acquired: 8/7/2025 10:30:04 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	W_2079 ppm	Zn2062 ppm	Zr3391 ppm
Avg	1.938	1.973	1.926	1.975	1.948	1.955	1.976	1.983
Stddev	.004	.012	.001	.007	.001	.003	.002	.003
%RSD	.2344	.5873	.0426	.3420	.0542	.1483	.1181	.1404

#1	1.935	1.969	1.925	1.969	1.947	1.952	1.977	1.981
#2	1.937	1.986	1.926	1.982	1.949	1.957	1.973	1.986
#3	1.943	1.963	1.926	1.974	1.947	1.956	1.977	1.982

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

Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5587.8	80879.	22742.	3103.7
Stddev	6.3	175.	200.	1.8
%RSD	.11338	.21690	.87832	.05902

#1	5580.5	80782.	22612.	3103.6
#2	5590.8	81082.	22642.	3101.9
#3	5592.0	80774.	22972.	3105.5

Raw Data MA59103 page 111 of 267

Sample Name: CCB Acquired: 8/7/2025 10:34:44 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm	Cd2288 ppm
Avg	-0.0005	-0.0015	.0004	.0050	.0000	.0000	.0000	-0.0029	.0004
Stddev	.0003	.0061	.0014	.0002	.0000	.0000	.0000	.0006	.0004
%RSD	54.46	404.0	381.0	4.534	286.2	96.76	39.31	18.94	110.2

#1	-0.0007	-0.0059	-0.0013	.0052	-0.0000	.0001	.0028	-0.0035	-0.0001
#2	-0.0002	-0.0041	.0010	.0047	.0000	-0.0000	.0021	-0.0030	.0007
#3	-0.0006	.0054	.0014	.0050	.0000	.0001	.0012	-0.0024	.0006

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

Elem Units	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm	Mg2790 ppm	Mn2576 ppm
Avg	.0023	.0002	.0001	.0040	.0022	.0475	-0.0005	.0004	.0001
Stddev	.0028	.0003	.0001	.0002	.0011	.0086	.0007	.0065	.0000
%RSD	120.9	127.2	89.40	5.501	51.57	18.14	152.7	1500.	36.50

#1	.0053	-0.0001	.0001	.0039	.0013	.0574	.0003	.0070	.0001
#2	-0.0003	.0004	.0001	.0039	.0035	.0420	-0.0007	.0004	.0000
#3	.0019	.0003	.0000	.0043	.0018	.0431	-0.0010	-0.0061	.0001

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

Elem Units	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm
Avg	.0017	.0552	.0003	-0.0004	.0008	F .0678	.0019	.0012	.0045
Stddev	.0002	.0018	.0002	.0006	.0010	.0205	.0002	.0012	.0008
%RSD	13.82	3.345	60.83	154.9	119.7	30.25	8.615	102.3	18.16

#1	.0019	.0558	.0002	-0.0011	.0001	.0459	.0021	.0026	.0041
#2	.0019	.0566	.0006	-0.0001	.0019	.0866	.0018	.0004	.0055
#3	.0015	.0531	.0002	-0.0000	.0005	.0709	.0019	.0005	.0040

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
High Limit .0500
Low Limit -.0500

Raw Data MA59103 page 112 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: CCB Acquired: 8/7/2025 10:34:44 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0000	.0001	-.0024	-.0000	.0045	.0001	.0006
Stddev	.0008	.0000	.0003	.0036	.0003	.0004	.0003	.0002
%RSD	118.9	319.9	217.3	150.0	605.3	8.873	213.3	25.68
#1	.0003	.0001	.0004	-.0034	.0003	.0043	-.0002	.0006
#2	.0016	.0000	.0002	.0016	-.0002	.0043	.0004	.0004
#3	.0002	-.0000	-.0002	-.0054	-.0002	.0050	.0002	.0007

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5382.9	81150.	23492.	3129.0
Stddev	3.1	96.	213.	2.7
%RSD	.05796	.11888	.90591	.08535

#1	5386.5	81158.	23396.	3130.3
#2	5381.5	81242.	23344.	3130.7
#3	5380.7	81049.	23736.	3125.9

Raw Data MA59103 page 113 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: EMPTYCONF Acquired: 8/7/2025 10:39:39 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	19651.	273230.	52351.	12643.
Stddev	104.	3590.	212.	51.
%RSD	.52894	1.3139	.40413	.40161

#1	19604.	275500.	52177.	12617.
#2	19579.	269090.	52587.	12610.
#3	19770.	275100.	52289.	12702.

Raw Data MA59103 page 115 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: EMPTYCONF Acquired: 8/7/2025 10:39:39 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0013	-.0054	-.0015	.0015	-.0002	-.0001	.0009	-.0022	-.0003
Stddev	.0001	.0019	.0001	.0002	.0001	.0000	.0006	.0006	.0001
%RSD	8.332	35.37	8.267	12.56	34.56	18.97	66.89	27.82	23.32

#1	-.0012	-.0065	-.0015	.0015	-.0001	-.0001	.0011	-.0017	-.0003
#2	-.0012	-.0066	-.0016	.0014	-.0003	-.0001	.0002	-.0029	-.0004
#3	-.0014	-.0032	-.0013	.0017	-.0002	-.0001	.0013	-.0021	-.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	.0000	.0001	*****	-.0017	-.0126	-.0017	-.0010	-.0000
Stddev	.0012	.0001	.0001	----	.0007	.0032	.0007	.0033	.0000
%RSD	98.34	176.1	115.8	----	43.16	25.47	43.27	337.1	33.73

#1	.0027	.0001	.0000	----	-.0025	-.0159	-.0024	.0027	-.0000
#2	.0003	.0001	.0000	----	-.0016	-.0123	-.0017	-.0022	-.0000
#3	.0009	-.0000	.0002	----	-.0010	-.0095	-.0010	-.0034	-.0000

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0068	.0004	-.0047	-.0002	-.0035	-.0010	-.0032	-.0086
Stddev	.0001	.0008	.0001	.0001	.0004	.0004	.0002	.0005	.0003
%RSD	36.36	11.81	20.16	1.717	238.7	12.12	24.48	15.29	3.543

#1	-.0001	-.0062	.0003	-.0048	-.0003	-.0030	-.0007	-.0031	-.0085
#2	-.0003	-.0064	.0004	-.0047	-.0004	-.0036	-.0011	-.0038	-.0083
#3	-.0002	-.0077	.0003	-.0047	.0003	-.0039	-.0011	-.0028	-.0089

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0008	-.0001	.0004	.0017	.0002	-.0038	-.0000	.0010
Stddev	.0003	.0000	.0002	.0001	.0000	.0003	.0000	.0000
%RSD	33.73	34.54	38.01	4.734	23.62	6.650	31.89	2.821

#1	-.0007	-.0001	.0003	.0017	.0002	-.0040	-.0000	.0010
#2	-.0012	-.0001	.0005	.0018	.0002	-.0035	-.0000	.0010
#3	-.0006	-.0001	.0006	.0016	.0001	-.0038	-.0001	.0010

Raw Data MA59103 page 114 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: EMPTYCONF Acquired: 8/7/2025 10:44:38 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0107	-.0510	-.0204	.0133	-.0018	-.0011	.0112	-.0132	-.0025
Stddev	.0006	.0558	.0020	.0014	.0004	.0002	.0019	.0023	.0002
%RSD	5.460	109.4	10.00	10.49	20.30	17.53	17.13	17.21	8.634

#1	-.0103	-.0315	-.0223	.0117	-.0014	-.0013	.0131	-.0106	-.0025
#2	-.0105	-.0076	-.0182	.0137	-.0020	-.0010	.0113	-.0150	-.0026
#3	-.0114	-.1140	-.0208	.0144	-.0020	-.0010	.0093	-.0141	-.0022

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0010	.0011	*****	-.0202	.0033	-.0156	-.0343	.0000
Stddev	.0072	.0012	.0012	----	.0097	.0561	.0018	.0605	.0001
%RSD	25780.	129.6	112.9	----	48.10	1687.	11.23	176.2	457.2

#1	.0083	.0023	.0025	----	-.0139	.0149	-.0163	-.0776	-.0001
#2	-.0052	.0008	.0001	----	-.0315	-.0576	-.0137	.0348	.0001
#3	-.0030	-.0002	.0007	----	-.0153	.0527	-.0170	-.0602	.0002

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0029	-.1004	.0033	-.0555	.0043	-.0405	-.0124	-.0399	-.0867
Stddev	.0004	.0097	.0018	.0032	.0004	.0028	.0042	.0046	.0032
%RSD	12.45	9.641	54.53	5.773	8.724	7.043	33.54	11.59	3.714

#1	-.0025	-.1025	.0013	-.0591	.0044	-.0378	-.0080	-.0349	-.0859
#2	-.0031	-.1088	.0039	-.0543	.0046	-.0401	-.0129	-.0439	-.0902
#3	-.0031	-.0898	.0047	-.0530	.0039	-.0435	-.0162	-.0410	-.0839

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0100	-.0010	.0050	.0075	.0020	-.0393	-.0002	.0094
Stddev	.0017	.0005	.0006	.0058	.0017	.0010	.0003	.0005
%RSD	17.34	53.34	12.40	76.66	81.80	2.439	165.4	5.687

#1	-.0093	-.0004	.0043	.0133	.0001	-.0383	-.0003	.0098
#2	-.0120	-.0015	.0052	.0017	.0029	-.0394	.0002	.0088
#3	-.0087	-.0011	.0054	.0077	.0031	-.0402	-.0003	.0097

Raw Data MA59103 page 116 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: EMPTYCONF Acquired: 8/7/2025 10:44:38 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	19971.	273310.	51347.	12791.
Stddev	181.	3467.	285.	117.
%RSD	.90664	1.2685	.55516	.91564

#1	19996.	269950.	51377.	12811.
#2	20139.	273120.	51615.	12896.
#3	19779.	276870.	51048.	12665.

Raw Data MA59103 page 117 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56406-MB1 Acquired: 8/7/2025 10:52:50 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5371.9	80651.	23990.	3094.6
Stddev	12.4	134.	81.	10.3
%RSD	.23171	.16632	.33633	.33141

#1	5359.3	80519.	23973.	3086.9
#2	5372.1	80787.	24077.	3090.7
#3	5384.2	80647.	23918.	3106.2

Raw Data MA59103 page 119 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56406-MB1 Acquired: 8/7/2025 10:52:50 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	-0.0040	-0.001	-0.037	-0.001	-0.001	-0.007	-0.033	-0.001
Stddev	.0003	.0054	.0012	.0006	.0001	.0000	.0013	.0006	.0002
%RSD	57.89	133.3	1787.	15.44	128.4	26.46	190.8	18.26	143.0

#1	-0.005	-0.031	-0.012	-0.032	-0.002	-0.001	-0.017	-0.040	-0.003
#2	-0.007	-0.008	-0.010	-0.044	-0.000	-0.001	-0.007	-0.028	-0.000
#3	-0.002	-0.098	-0.004	-0.036	-0.001	-0.001	-0.010	-0.033	-0.000

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.010	-0.001	-0.001	-0.022	-0.011	-0.0244	-0.0003	-0.002	-0.000
Stddev	.0008	.0004	.0004	.0005	.0024	.0064	.0006	.0056	.0000
%RSD	84.24	145.7	341.1	22.63	221.3	26.24	182.6	3045.	101.9

#1	-0.011	-0.001	-0.004	-0.027	-0.009	-0.0289	-0.004	-0.067	-0.001
#2	-0.017	-0.001	-0.003	-0.018	-0.012	-0.0272	-0.007	-0.034	-0.000
#3	-0.001	-0.000	-0.003	-0.020	-0.036	-0.0170	-0.008	-0.027	-0.000

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.021	-0.004	-0.013	-0.010	-0.0161	-0.010	-0.017	-0.013
Stddev	.0001	.0032	.0003	.0006	.0008	.0021	.0003	.0007	.0008
%RSD	47.22	14.52	72.58	44.61	83.22	12.86	30.60	41.23	7.274

#1	-0.002	-0.0250	-0.001	-0.010	-0.000	-0.0148	-0.007	-0.021	-0.017
#2	-0.002	-0.0187	-0.005	-0.010	-0.014	-0.0185	-0.013	-0.021	-0.012
#3	-0.004	-0.026	-0.006	-0.020	-0.015	-0.0150	-0.009	-0.009	-0.019

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.004	-0.001	-0.002	-0.004	-0.000	-0.007	-0.016	-0.004	
Stddev	.0012	.0000	.0003	.0008	.0003	.0010	.0000	.0001	
%RSD	307.9	53.42	125.8	226.8	733.5	152.3	2.366	27.20	

#1	-0.007	-0.001	-0.002	-0.011	-0.002	-0.004	-0.016	-0.003	
#2	-0.017	-0.000	-0.005	-0.005	-0.003	-0.007	-0.016	-0.003	
#3	-0.002	-0.001	-0.000	-0.005	-0.002	-0.017	-0.017	-0.005	

Raw Data MA59103 page 118 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56406-LB1 Acquired: 8/7/2025 10:57:46 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	-0.007	-0.015	-0.128	-0.017	-0.000	-0.012	-0.347	-0.000
Stddev	.0001	.0081	.0002	.0004	.0001	.0000	.0012	.0015	.0000
%RSD	28.97	1206.	13.43	2.806	4.448	5025.	100.3	4.469	314.4

#1	-0.004	-0.087	-0.014	-0.126	-0.017	-0.000	-0.025	-0.338	-0.000
#2	-0.003	-0.008	-0.014	-0.132	-0.016	-0.000	-0.003	-0.364	-0.000
#3	-0.005	-0.074	-0.018	-0.126	-0.018	-0.001	-0.007	-0.339	-0.001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	-0.002	-0.012	-0.036	-0.028	-1.500	-0.001	-0.028	-0.009
Stddev	.0019	.0001	.0002	.0006	.0014	.012	.0004	.0060	.0001
%RSD	416.5	35.35	13.39	16.40	10.57	.7885	286.3	25.32	6.077

#1	-0.011	-0.002	-0.013	-0.042	-0.011	-1.490	-0.004	-0.302	-0.009
#2	-0.025	-0.001	-0.013	-0.035	-0.030	-1.496	-0.003	-0.182	-0.008
#3	-0.001	-0.002	-0.010	-0.030	-0.014	-1.513	-0.002	-0.231	-0.009

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.007	F 1205.	-0.022	-0.067	-0.016	-0.0472	-0.006	-0.029	-0.013
Stddev	.0002	.30.	.0005	.0005	.0003	.0017	.0005	.0014	.0061
%RSD	23.80	2.513	22.35	.4959	19.30	3.667	75.80	48.73	3.977

#1	-0.008	1204.	-0.028	-0.072	-0.019	-0.0456	-0.009	-0.040	-0.1614
#2	-0.005	1235.	-0.018	-0.067	-0.013	-0.0491	-0.001	-0.013	-0.1504
#3	-0.006	1175.	-0.021	-0.062	-0.016	-0.0470	-0.009	-0.034	-0.1512

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.030	-0.020	-0.008	-0.024	-0.001	-0.021	-0.014	-0.003	
Stddev	.0011	.0000	.0005	.0012	.0003	.0017	.0001	.0001	
%RSD	35.00	.8198	67.88	50.64	566.2	78.80	.5117	43.85	

#1	-0.027	-0.020	-0.012	-0.033	-0.003	-0.003	-0.0144	-0.003	
#2	-0.021	-0.020	-0.009	-0.030	-0.003	-0.0037	-0.0143	-0.005	
#3	-0.042	-0.020	-0.002	-0.010	-0.002	-0.0024	-0.0144	-0.002	

Raw Data MA59103 page 120 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56406-LB1 Acquired: 8/7/2025 10:57:46 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5642.2	85866.	23090.	3197.6
Stddev	15.9	424.	145.	9.0
%RSD	.28248	.49419	.62780	.28173

#1	5625.1	86132.	23244.	3187.3
#2	5656.7	85377.	22956.	3204.2
#3	5644.7	86090.	23072.	3201.2

Raw Data MA59103 page 121 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56406-B1 Acquired: 8/7/2025 11:02:48 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Cs3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2529	23.77	1.945	1.885	1.911	1.932	-0.076	24.24
Stddev	.0004	.06	.008	.006	.003	.003	.0006	.17
%RSD	.1398	.2378	.3996	.3438	.1786	.1361	8.471	.7197

#1	2533	23.80	1.954	1.892	1.913	1.934	-0.078	24.35
#2	2528	23.80	1.940	1.879	1.913	1.932	-0.082	24.34
#3	2527	23.70	1.941	1.884	1.907	1.929	-0.069	24.04

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.936	.0036	1.950	1.910	1.789	24.07	23.69	-0.0001
Stddev	.005	.0005	.001	.004	.001	.10	.04	.0004
%RSD	.2401	14.14	.0574	.1831	.0446	.3973	.1846	266.1

#1	1.942	.0030	1.949	1.912	1.790	24.11	23.74	-0.006
#2	1.933	.0038	1.951	1.913	1.790	24.13	23.67	.0000
#3	1.934	.0040	1.951	1.907	1.789	23.96	23.67	.0001

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.84	1.962	1.925	24.27	1.965	-0.0063	1.946	-0.0062
Stddev	.21	.005	.002	.01	.002	.0005	.002	.0021
%RSD	.8964	.2442	.0986	.0500	.0914	7.380	.1206	33.34

#1	23.98	1.960	1.926	24.29	1.963	-0.0064	1.946	-0.0086
#2	23.94	1.968	1.923	24.27	1.966	-0.0067	1.948	-0.0052
#3	23.59	1.959	1.925	24.26	1.965	-0.0058	1.944	-0.0049

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.918	1.913	-0.0018	1.920	1.895	1.913	W 1.910	1.901
Stddev	.005	.005	.0009	.002	.070	.001	.004	.002
%RSD	.2763	.2830	50.57	.0937	3.692	.0546	.2217	.1166

#1	1.924	1.917	-0.009	1.921	1.910	1.913	1.906	1.901
#2	1.915	1.907	-0.018	1.918	1.819	1.914	1.914	1.904
#3	1.914	1.914	-0.027	1.921	1.957	1.912	1.910	1.900

Raw Data MA59103 page 122 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56406-B1 Acquired: 8/7/2025 11:02:48 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.830	1.951	1.962
Stddev	.004	.001	.004
%RSD	.1974	.0456	.2133

#1	1.833	1.951	1.959
#2	1.826	1.952	1.967
#3	1.832	1.951	1.960

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5474.6	79851.	23637.	3045.3
Stddev	14.7	300.	181.	13.6
%RSD	.26889	.37543	.76676	.44608

#1	5458.0	80197.	23501.	3029.7
#2	5486.2	79685.	23566.	3054.6
#3	5479.5	79671.	23842.	3051.7

Raw Data MA59103 page 123 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56406-LS1 Acquired: 8/7/2025 11:07:31 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Cs3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2606	23.58	1.872	1.868	1.879	1.906	-0.070	23.88
Stddev	.0005	.05	.011	.013	.004	.001	.0011	.12
%RSD	.1812	.2223	.5866	.7155	.2203	.0497	15.44	.5188

#1	2610	23.52	1.876	1.875	1.877	1.906	-0.058	23.74
#2	2605	23.59	1.881	1.877	1.876	1.906	-0.077	23.95
#3	2601	23.62	1.860	1.853	1.863	1.905	-0.076	23.95

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.933	-0.0007	1.916	1.824	1.955	24.03	26.01	.0001
Stddev	.012	.0020	.007	.006	.003	.08	.04	.0003
%RSD	.6086	287.2	.3507	.3139	.1346	.3160	.1463	258.1

#1	1.939	-0.0026	1.918	1.820	1.958	23.97	26.01	-0.000
#2	1.942	-0.0010	1.922	1.830	1.953	24.11	26.04	.0005
#3	1.920	.0015	1.909	1.821	1.956	24.00	25.97	-0.001

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.00	1.889	1.885	F 1177.	1.921	1.054	1.963	0.326
Stddev	.14	.005	.009	.43	.007	.0006	.004	.0014
%RSD	.6277	.2891	.4910	3.666	.3500	.6152	.1805	4.227

#1	22.84	1.882	1.886	1195.	1.922	1.049	1.965	0.313
#2	23.12	1.891	1.893	1208.	1.927	1.051	1.964	0.324
#3	23.05	1.892	1.875	1127.	1.914	1.061	1.958	0.340

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.895	1.914	1.396	1.896	1.911	1.864	W 2.011	1.846
Stddev	.011	.011	.0007	.008	.027	.003	.013	.003
%RSD	.5925	.5931	.5007	.4318	1.416	.1458	.6515	.1706

#1	1.897	1.917	1.400	1.897	1.900	1.862	2.013	1.842
#2	1.905	1.924	1.400	1.904	1.941	1.867	2.024	1.848
#3	1.883	1.902	1.388	1.888	1.890	1.863	1.997	1.846

Raw Data MA59103 page 124 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56406-LS1 Acquired: 8/7/2025 11:07:31 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.880	1.813	1.927
Stddev	.009	.005	.004
%RSD	.4927	.2713	.2024

#1	1.883	1.814	1.923
#2	1.887	1.817	1.926
#3	1.869	1.808	1.931

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5712.1	85136.	23357.	3165.5
Stddev	23.2	176.	195.	17.0
%RSD	.40543	.20731	.83681	.53587

#1	5707.1	85312.	23478.	3160.1
#2	5691.9	84959.	23132.	3152.0
#3	5737.4	85135.	23463.	3184.5

Raw Data MA59103 page 125 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56377-S1 Acquired: 8/7/2025 11:12:22 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.778	3.228	2.060
Stddev	.089	.165	.107
%RSD	4.994	5.113	5.174

#1	1.872	3.400	2.171
#2	1.767	3.211	2.050
#3	1.695	3.071	1.959

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5422.6	80878.	23797.	3055.4
Stddev	3.5	181.	113.	3.1
%RSD	.06545	.22352	.47563	.10006

#1	5422.7	81072.	23898.	3058.0
#2	5426.1	80714.	23675.	3056.1
#3	5419.0	80848.	23817.	3052.0

Raw Data MA59103 page 127 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56377-S1 Acquired: 8/7/2025 11:12:22 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2677	91.88	1.796	2.157	2.445	2.413	-0.031	143.3
Stddev	.0087	5.22	.082	.102	.142	.140	.0121	8.1
%RSD	3.239	5.680	4.579	4.738	5.818	5.807	36.58	5.662

#1	2764	97.12	1.870	2.259	2.591	2.555	-0.0394	151.4
#2	2678	91.85	1.811	2.158	2.440	2.409	-0.0408	143.2
#3	2590	86.68	1.707	2.054	2.306	2.275	-0.0192	135.2

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.801	.0571	1.831	2.258	2.669	299.5	44.97	.0616
Stddev	.093	.0223	.095	.124	.142	17.5	2.45	.0064
%RSD	5.166	38.96	5.163	5.475	5.341	5.840	5.457	10.37

#1	1.896	.0813	1.926	2.382	2.821	317.0	47.56	.0680
#2	1.797	.0527	1.830	2.258	2.646	299.3	44.68	.0617
#3	1.710	.0374	1.737	2.135	2.539	282.0	42.68	.0552

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	75.28	4.069	1.779	1102.	2.200	1.696	2.321	F 2335.
Stddev	4.39	.212	.090	70.	.119	.086	.126	108.
%RSD	5.827	5.211	5.078	6.314	5.394	5.098	5.426	4.604

#1	79.61	4.286	1.867	1142.	2.324	1.783	2.450	2445.
#2	75.40	4.058	1.783	1141.	2.188	1.695	2.314	2332.
#3	70.84	3.862	1.687	1021.	2.087	1.610	2.199	2230.

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.733	1.801	29.41	1.725	2.724	3.933	W 1.728	2.109
Stddev	.108	.098	1.48	.084	.158	.207	.110	.112
%RSD	6.231	5.455	5.026	4.884	5.791	5.275	6.361	5.315

#1	1.838	1.900	30.91	1.813	2.886	4.147	1.841	2.220
#2	1.738	1.800	29.39	1.715	2.716	3.919	1.723	2.109
#3	1.623	1.703	27.95	1.646	2.570	3.733	1.621	1.996

Raw Data MA59103 page 126 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56377-S2 Acquired: 8/7/2025 11:17:06 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3165	105.9	1.881	2.281	2.693	2.679	-0.0427	164.2
Stddev	.0116	4.1	.299	.351	.106	.106	.0202	6.0
%RSD	3.677	3.918	15.88	15.41	3.947	3.947	47.40	3.672

#1	.3274	110.1	2.181	2.645	2.803	2.786	-.0490	170.3
#2	.3178	105.7	1.878	2.255	2.686	2.677	-.0590	164.1
#3	.3043	101.8	1.583	1.943	2.590	2.575	-.0200	158.2

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.863	.0673	1.893	2.709	3.281	344.5	50.51	.0760
Stddev	.292	.0154	.293	.108	.150	13.1	1.63	.0039
%RSD	15.65	22.88	15.49	3.971	4.574	3.796	3.217	5.166

#1	2.161	.0786	2.194	2.816	3.423	357.9	52.04	.0805
#2	1.848	.0497	1.877	2.710	3.297	343.8	50.69	.0735
#3	1.579	.0736	1.608	2.601	3.124	331.8	48.81	.0739

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	84.64	4.931	1.845	1289.	2.283	1.866	2.439	F 2546.
Stddev	2.95	.204	.291	55.	.352	.303	.376	355.
%RSD	3.483	4.133	15.77	4.288	15.42	16.22	15.42	13.95

#1	87.55	5.132	2.144	1340.	2.641	2.173	2.831	2906.
#2	84.71	4.937	1.830	1298.	2.272	1.860	2.406	2537.
#3	81.66	4.724	1.562	1231.	1.937	1.567	2.081	2196.

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.791	1.864	32.94	1.795	3.051	4.857	W 1.782	2.509
Stddev	.272	.282	5.14	.274	.120	.190	.258	.101
%RSD	15.17	15.15	15.61	15.25	3.944	3.919	14.50	4.026

#1	2.074	2.151	38.18	2.079	3.176	5.044	2.046	2.610
#2	1.767	1.855	32.74	1.773	3.042	4.865	1.769	2.508
#3	1.532	1.587	27.90	1.533	2.936	4.663	1.530	2.408

Raw Data MA59103 page 128 of 267

Sample Name: MP56377-S2 Acquired: 8/7/2025 11:17:06 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem Units	W_2079 ppm	Zn2062 ppm	Zr3391 ppm	
Avg	1.844	3.419	2.441	
Stddev	.273	.523	.099	
%RSD	14.82	15.30	4.057	
#1	2.131	3.956	2.539	
#2	1.814	3.390	2.441	
#3	1.587	2.911	2.341	
Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5468.5	81046.	24280.	3062.1
Stddev	7.9	160.	112.	9.3
%RSD	.14465	.19776	.46197	.30511
#1	5468.5	80862.	24367.	3053.5
#2	5460.6	81121.	24153.	3060.7
#3	5476.4	81155.	24319.	3072.0

Raw Data MA59103 page 129 of 267

Sample Name: JE16402-1 Acquired: 8/7/2025 11:21:56 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm	Cd2288 ppm
Avg	.0005	72.32	.0533	.4974	.0486	.0058	-.0078	129.7	.0119
Stddev	.0027	3.48	.0181	.0774	.0026	.0004	.0179	6.6	.0041
%RSD	538.1	4.814	33.97	15.56	5.313	7.377	228.5	5.075	34.61
#1	-.0018	75.90	.0705	.5786	.0514	.0063	.0097	136.9	.0154
#2	-.0002	72.09	.0552	.4891	.0482	.0057	-.0070	128.5	.0128
#3	.0035	68.95	.0344	.4245	.0463	.0054	-.0261	123.9	.0074
Elem Units	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm	Mg2790 ppm	Mn2576 ppm
Avg	.0471	.0473	.3388	1.065	306.4	17.16	.0709	51.82	2.387
Stddev	.0160	.0061	.0179	.061	15.3	.97	.0030	2.76	.117
%RSD	33.97	12.99	5.289	5.759	4.998	5.677	4.251	5.335	4.924
#1	.0599	.0536	.3519	1.126	322.4	18.05	.0741	54.88	2.506
#2	.0523	.0470	.3461	1.065	304.9	17.31	.0682	51.08	2.383
#3	.0292	.0413	.3184	1.003	291.9	16.11	.0703	49.50	2.271
Elem Units	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm
Avg	.0283	1242.	.4143	1.800	.5852	2462.	.0196	.0215	31.78
Stddev	.0053	69.	.0642	.293	.0887	332.	.0070	.0039	4.81
%RSD	18.71	5.521	15.49	16.30	15.15	13.49	35.71	17.96	15.14
#1	.0325	1306.	.4796	2.101	.6768	2802.	.0276	.0248	36.74
#2	.0301	1251.	.4119	1.783	.5790	2443.	.0147	.0223	31.46
#3	.0224	1170.	.3514	1.515	.4999	2139.	.0166	.0173	27.14
Elem Units	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	W_2079 ppm	Zn2062 ppm	Zr3391 ppm	
Avg	.0112	.3635	2.380	-.0237	.1642	.0048	1.553	.0207	
Stddev	.0082	.0153	.123	.0126	.0094	.0075	.227	.0011	
%RSD	73.34	4.202	5.149	52.95	5.746	157.2	14.63	5.547	
#1	.0038	.3790	2.502	-.0279	.1750	.0060	1.787	.0216	
#2	.0200	.3630	2.381	-.0096	.1602	.0115	1.538	.0211	
#3	.0097	.3484	2.257	-.0337	.1575	-.0033	1.333	.0194	

Raw Data MA59103 page 130 of 267

Sample Name: JE16402-1 Acquired: 8/7/2025 11:21:56 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5427.1	81708.	24349.	3045.7
Stddev	5.3	193.	372.	7.1
%RSD	.09842	.23589	1.5281	.23300
#1	5424.8	81554.	23926.	3037.7
#2	5433.2	81647.	24623.	3051.1
#3	5423.3	81924.	24499.	3048.3

Raw Data MA59103 page 131 of 267

Sample Name: MP56377-SD1 Acquired: 8/7/2025 11:26:48 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm	Cd2288 ppm
Avg	-.0156	73.37	.0501	.5859	.0377	.0022	-.0055	132.8	.0082
Stddev	.0086	2.85	.0345	.0709	.0040	.0023	.0023	5.6	.0057
%RSD	55.18	3.884	68.95	12.09	10.65	101.9	1781.	4.207	69.44
#1	-.0157	76.06	.0148	.6502	.0423	.0045	.0653	137.9	.0143
#2	-.0241	73.66	.0517	.5976	.0359	.0023	.0355	133.8	.0071
#3	-.0069	70.38	.0838	.5099	.0349	-.0001	-.1173	126.8	.0031
Elem Units	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm	Mg2790 ppm	Mn2576 ppm
Avg	.1120	.0510	.3548	1.071	308.6	19.28	.0429	52.69	2.522
Stddev	.1346	.0145	.0213	.047	12.6	.59	.0523	2.32	.088
%RSD	120.2	28.39	6.004	4.344	4.091	3.062	122.0	4.409	3.490
#1	.2671	.0568	.3628	1.115	320.9	19.37	-.0175	54.82	2.610
#2	.0415	.0616	.3711	1.076	309.3	19.82	.0714	53.05	2.523
#3	.0273	.0345	.3307	1.023	295.7	18.65	.0747	50.21	2.434
Elem Units	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm
Avg	.0401	1243.	.4349	1.790	.6587	2648.	-.0042	-.0228	31.68
Stddev	.0176	49.	.1015	.324	.1201	519.	.0992	.0892	6.43
%RSD	43.94	3.927	23.34	18.12	18.24	19.62	2335.	390.9	20.31
#1	.0410	1289.	.5375	2.139	.7974	3182.	.0662	-.0102	38.27
#2	.0220	1248.	.4325	1.732	.5912	2619.	.0387	-.1176	31.35
#3	.0572	1192.	.3346	1.498	.5875	2144.	-.1176	.0594	25.41
Elem Units	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	W_2079 ppm	Zn2062 ppm	Zr3391 ppm	
Avg	.0151	.3705	2.464	-.0615	.1544	-.0000	1.617	.0261	
Stddev	.0335	.0160	.106	.0446	.0021	.0684	.323	.0055	
%RSD	222.4	4.327	4.306	72.47	1.340	175000.	20.01	20.90	
#1	-.0049	.3861	2.572	-.1112	.1563	.0307	1.954	.0272	
#2	.0537	.3715	2.460	-.0484	.1522	.0476	1.587	.0310	
#3	-.0037	.3540	2.360	-.0250	.1546	-.0784	1.309	.0202	

Raw Data MA59103 page 132 of 267

Zoom In
Zoom Out

Sample Name: MP56377-SD1 Acquired: 8/7/2025 11:26:48 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5392.7	81011.	24239.	3068.5
Stddev	20.3	320.	166.	9.6
%RSD	.37628	.39545	.68513	.31295
#1	5415.8	80962.	24309.	3079.5
#2	5384.7	81352.	24050.	3063.7
#3	5377.7	80717.	24359.	3062.2

Check ?
Value
Range

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.977	2.005	1.965	1.888	39.31	39.62	1.987	39.03	2.015
Stddev	.005	.004	.005	.001	.05	.03	.002	.08	.001
%RSD	.2424	.1890	.2402	.0496	.1357	.0661	.0910	.2015	.0614
#1	1.974	2.004	1.969	1.887	39.29	39.64	1.985	39.04	2.014
#2	1.975	2.003	1.967	1.889	39.38	39.61	1.988	39.11	2.014
#3	1.983	2.010	1.960	1.888	39.27	39.59	1.988	38.95	2.016

Check ?
Value
Range

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.968	39.93	2.016	1.984	1.998	2.021	1.967	1.988	4.960
Stddev	.002	.05	.000	.003	.000	.004	.003	.004	.003
%RSD	.0778	.1186	.0208	.1243	.0202	.2167	.1641	.1761	.0635
#1	1.968	39.88	2.016	1.986	1.998	2.025	1.964	1.990	4.962
#2	1.966	39.96	2.016	1.985	1.998	2.022	1.967	1.989	4.956
#3	1.969	39.96	2.016	1.981	1.998	2.016	1.970	1.984	4.962

Check ?
Value
Range

Raw Data MA59103 page 133 of 267

Zoom In
Zoom Out

Sample Name: CCV Acquired: 8/7/2025 11:31:39 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.968	1.974	1.954	1.976	1.963	1.971	2.001	1.990
Stddev	.001	.005	.004	.003	.001	.002	.003	.002
%RSD	.0604	.2775	.1891	.1707	.0640	.0938	.1574	.1155
#1	1.967	1.969	1.957	1.976	1.964	1.970	1.998	1.987
#2	1.969	1.975	1.954	1.973	1.964	1.973	2.000	1.991
#3	1.969	1.980	1.950	1.979	1.962	1.971	2.004	1.992

Check ?
Value
Range

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5563.8	81046.	23584.	3058.1
Stddev	8.9	252.	74.	5.6
%RSD	.16079	.31074	.31221	.18295
#1	5554.2	80871.	23590.	3051.6
#2	5572.0	81335.	23507.	3061.7
#3	5565.1	80934.	23654.	3060.9

Raw Data MA59103 page 135 of 267

Zoom In
Zoom Out

Sample Name: CCV Acquired: 8/7/2025 11:31:39 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2420	39.37	1.997	1.977	1.980	1.995	1.940	39.61	2.010
Stddev	.0001	.04	.004	.001	.002	.002	.005	.08	.000
%RSD	.0579	.0958	.1762	.0459	.0778	.1117	.2361	.2024	.0210
#1	2419	39.36	1.993	1.976	1.978	1.993	1.939	39.67	2.010
#2	2419	39.42	1.999	1.978	1.981	1.996	1.937	39.63	2.010
#3	2421	39.34	1.998	1.978	1.981	1.997	1.946	39.51	2.011

Check ?
Value
Range

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.977	2.005	1.965	1.888	39.31	39.62	1.987	39.03	2.015
Stddev	.005	.004	.005	.001	.05	.03	.002	.08	.001
%RSD	.2424	.1890	.2402	.0496	.1357	.0661	.0910	.2015	.0614
#1	1.974	2.004	1.969	1.887	39.29	39.64	1.985	39.04	2.014
#2	1.975	2.003	1.967	1.889	39.38	39.61	1.988	39.11	2.014
#3	1.983	2.010	1.960	1.888	39.27	39.59	1.988	38.95	2.016

Check ?
Value
Range

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.968	39.93	2.016	1.984	1.998	2.021	1.967	1.988	4.960
Stddev	.002	.05	.000	.003	.000	.004	.003	.004	.003
%RSD	.0778	.1186	.0208	.1243	.0202	.2167	.1641	.1761	.0635
#1	1.968	39.88	2.016	1.986	1.998	2.025	1.964	1.990	4.962
#2	1.966	39.96	2.016	1.985	1.998	2.022	1.967	1.989	4.956
#3	1.969	39.96	2.016	1.981	1.998	2.016	1.970	1.984	4.962

Check ?
Value
Range

Raw Data MA59103 page 134 of 267

Zoom In
Zoom Out

Sample Name: CCB Acquired: 8/7/2025 11:36:19 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.006	.0009	-0.008	.0040	.0002	.0001	-0.012	.0004	.0002
Stddev	.0002	.0039	.0001	.0001	.0001	.0001	.0011	.0010	.0002
%RSD	44.05	430.7	19.67	2.257	54.52	74.32	92.98	244.8	104.4
#1	-0.007	.0004	-0.009	.0040	.0001	.0002	-0.009	.0009	.0001
#2	-0.007	.0027	-0.007	.0039	.0002	.0001	-0.003	-0.007	.0001
#3	-0.003	.0050	-0.006	.0041	.0002	.0000	-0.024	.0011	.0005

Check ?
High Limit
Low Limit

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.057	.0003	.0000	.0034	.0026	.0342	-0.005	.0007	.0001
Stddev	.0024	.0004	.0001	.0004	.0023	.0262	.0005	.0084	.0000
%RSD	41.43	122.7	380.9	12.73	87.22	76.66	96.55	1270.	3.972
#1	-0.068	-0.000	-0.001	.0036	.0008	.0179	-0.001	.0095	.0001
#2	-0.030	.0002	.0001	.0037	.0052	.0644	-0.010	-0.003	.0001
#3	-0.074	.0008	.0001	.0029	.0019	.0202	-0.003	-0.072	.0001

Check ?
High Limit
Low Limit

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	.0513	.0001	-0.008	.0011	.0144	-0.003	.0015	.0035
Stddev	.0002	.0061	.0002	.0014	.0009	.0030	.0006	.0020	.0004
%RSD	15.01	11.98	166.7	171.7	82.85	21.06	211.1	135.9	11.11
#1	.0018	.0487	.0002	-0.008	.0001	.0136	-0.009	.0006	.0031
#2	.0016	.0469	-0.001	-0.018	.0014	.0119	.0003	.0000	.0037
#3	.0013	.0584	.0003	-0.016	.0018	.0178	-0.003	.0038	.0038

Check ?
High Limit
Low Limit

Raw Data MA59103 page 136 of 267

Sample Name: CCB Acquired: 8/7/2025 11:36:19 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0001	.0004	-0.0004	-0.0000	-0.0006	.0002	.0004
Stddev	.0005	.0001	.0001	.0013	.0001	.0016	.0002	.0002
%RSD	244.0	63.23	27.45	285.4	876.3	262.4	79.83	43.07
#1	.0005	.0002	.0005	-0.0002	.0001	-0.0020	.0001	.0004
#2	-0.0004	.0001	.0003	-0.0018	-0.0001	-0.0009	.0002	.0002
#3	.0004	.0001	.0003	.0007	-0.0000	.0011	.0004	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								
Int. Std.	In2306	Y_3600	Y_3710	Y_2243				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	5351.3	80402.	23624.	3099.8				
Stddev	2.9	477.	412.	4.7				
%RSD	.05391	.59300	1.7444	.15279				
#1	5350.2	80893.	23375.	3094.3				
#2	5354.6	79941.	24100.	3102.0				
#3	5349.1	80371.	23399.	3103.0				

Raw Data MA59103 page 137 of 267

Sample Name: MP56406-S1 Acquired: 8/7/2025 11:41:15 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2645	26.02	1.960	1.984	2.221	2.021	-0.168	106.2
Stddev	.0031	.09	.005	.004	.008	.006	.0013	.2
%RSD	1.167	.3268	.2820	.2219	.3421	.3157	7.635	.2296
#1	.2647	26.05	1.961	1.987	2.223	2.026	-0.157	106.1
#2	.2675	26.08	1.954	1.979	2.227	2.023	-0.182	106.5
#3	.2614	25.92	1.965	1.986	2.213	2.013	-0.165	106.1
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.034	.0008	2.051	1.951	1.795	25.66	27.16	-0.0021
Stddev	.007	.0128	.006	.009	.009	.07	.17	.0007
%RSD	.3580	1678.	.3178	.4467	.4742	.2810	.6174	32.70
#1	2.043	-0.0098	2.058	1.960	1.800	25.68	27.35	-0.0025
#2	2.030	.0150	2.050	1.949	1.799	25.72	27.13	-0.0024
#3	2.030	-0.0029	2.045	1.943	1.785	25.58	27.02	-0.0013
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	38.98	2.382	1.988	F 1340.	2.086	.0083	2.072	2.255
Stddev	.08	.006	.005	22.	.006	.0011	.014	.009
%RSD	.1992	.2672	.2452	1.617	.2815	13.34	.6595	.3969
#1	38.95	2.389	1.993	1329.	2.093	.0071	2.088	2.254
#2	39.07	2.377	1.983	1364.	2.084	.0085	2.062	2.246
#3	38.93	2.381	1.988	1325.	2.082	.0093	2.067	2.264
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.956	1.966	2.502	1.976	2.248	1.942	W 2.062	1.950
Stddev	.007	.006	.002	.007	.007	.006	.018	.007
%RSD	.3642	.3154	.0628	.3809	.3334	.2932	.8613	.3409
#1	1.964	1.965	2.502	1.982	2.251	1.948	2.082	1.958
#2	1.951	1.960	2.501	1.968	2.254	1.940	2.050	1.947
#3	1.952	1.973	2.504	1.977	2.240	1.937	2.052	1.946

Raw Data MA59103 page 138 of 267

Sample Name: MP56406-S1 Acquired: 8/7/2025 11:41:15 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	
Avg	1.981	2.139	2.034	
Stddev	.010	.004	.003	
%RSD	.4977	.1790	.1242	
#1	1.990	2.143	2.035	
#2	1.981	2.136	2.031	
#3	1.971	2.139	2.036	
Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5631.5	83825.	23574.	3191.9
Stddev	27.9	316.	71.	17.9
%RSD	.49508	.37640	.30156	.56054
#1	5657.0	83831.	23650.	3206.5
#2	5635.7	84138.	23509.	3197.3
#3	5601.7	83507.	23562.	3172.0

Raw Data MA59103 page 139 of 267

Sample Name: MP56406-S2 Acquired: 8/7/2025 11:46:04 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2581	24.73	1.913	1.898	2.150	1.954	-0.166	104.3
Stddev	.0025	.07	.019	.015	.005	.006	.0074	.5
%RSD	.9876	.2937	.9707	.8079	.2199	.3284	44.63	.4352
#1	.2562	24.79	1.930	1.908	2.155	1.960	-0.0205	104.5
#2	.2610	24.75	1.914	1.905	2.149	1.955	-0.0212	104.6
#3	.2570	24.65	1.893	1.880	2.145	1.947	-0.0080	103.7
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.959	-0.0129	1.983	1.884	1.718	25.19	26.45	-0.0019
Stddev	.011	.0060	.012	.003	.004	.09	.22	.0010
%RSD	.5547	46.77	.6032	.1642	.2206	.3648	.8195	50.64
#1	1.965	-0.0071	1.994	1.894	1.721	25.28	26.70	-0.0008
#2	1.966	-0.0192	1.986	1.891	1.719	25.17	26.37	-0.0026
#3	1.947	-0.0125	1.970	1.897	1.714	25.10	26.29	-0.0024
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	38.19	2.308	1.929	F 1321.	2.017	.0102	2.006	2.456
Stddev	.26	.002	.010	8.	.012	.0054	.017	.010
%RSD	.6934	.0745	.5266	.6073	.6037	52.68	.8597	.3940
#1	38.37	2.307	1.935	1330.	2.029	.0151	2.017	2.457
#2	38.32	2.310	1.934	1314.	2.019	.0112	2.015	2.465
#3	37.89	2.308	1.917	1320.	2.005	.0044	1.986	2.446
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.904	1.909	2.383	1.917	2.171	1.892	W 1.992	1.888
Stddev	.008	.020	.013	.016	.007	.005	.014	.001
%RSD	.4344	1.054	.5531	.8538	.3082	.2503	.7184	.0518
#1	1.901	1.894	2.392	1.925	2.178	1.897	1.998	1.889
#2	1.913	1.932	2.390	1.928	2.170	1.889	2.002	1.887
#3	1.897	1.901	2.368	1.899	2.164	1.889	1.976	1.889

Raw Data MA59103 page 140 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56406-S2 Acquired: 8/7/2025 11:46:04 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	W_2079 ppm	Zn2062 ppm	Zr3391 ppm	
Avg	1.911	2.062	1.983	
Stddev	.012	.008	.003	
%RSD	.6116	.3768	.1304	
#1	1.922	2.066	1.980	
#2	1.913	2.066	1.985	
#3	1.899	2.053	1.984	
Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5608.2	83105.	23353.	3183.1
Stddev	11.3	143.	85.	6.4
%RSD	.20171	.17160	.36325	.19954
#1	5615.6	83124.	23352.	3188.3
#2	5595.2	82954.	23268.	3176.0
#3	5613.9	83238.	23437.	3185.0

Raw Data MA59103 page 141 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16283-1 Acquired: 8/7/2025 11:50:53 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm	Cd2288 ppm
Avg	-0.0018	.1207	-0.0036	.0326	.2444	.0002	-0.0096	94.92	.0002
Stddev	.0011	.0365	.0024	.0022	.0125	.0002	.0034	4.20	.0003
%RSD	58.98	30.27	66.86	6.728	5.101	87.64	35.71	4.423	103.7
#1	-.0029	.1140	-.0008	.0348	.2572	.0003	-.0112	99.13	.0001
#2	-.0016	.1601	-.0048	.0326	.2438	.0003	-.0120	94.89	.0001
#3	-.0008	.0880	-.0052	.0304	.2323	-.0000	-.0057	90.74	.0005
Elem Units	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm	Mg2790 ppm	Mn2576 ppm
Avg	-0.0288	.0003	.0022	.0069	.0859	2.268	-0.0016	16.08	.3720
Stddev	.0178	.0016	.0014	.0006	.0020	.119	.0051	.73	.0135
%RSD	61.76	584.9	64.57	8.918	2.378	5.239	320.0	4.513	3.627
#1	-.0099	.0015	.0037	.0070	.0864	2.405	.0001	16.79	.3858
#2	-.0453	-.0015	.0018	.0074	.0836	2.204	.0024	16.13	.3712
#3	-.0313	.0009	.0010	.0062	.0876	2.194	-.0073	15.34	.3589
Elem Units	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm
Avg	.0042	F 1568.	.0161	.0041	.0002	2.297	.0005	-.0055	2.208
Stddev	.0009	40.	.0018	.0034	.0009	.119	.0025	.0082	.118
%RSD	21.47	2.553	11.09	81.74	467.2	5.197	558.0	149.7	5.339
#1	.0049	1607.	.0157	.0065	.0009	2.422	.0004	-.0017	2.333
#2	.0032	1570.	.0181	.0003	-.0008	2.287	.0030	-.0149	2.193
#3	.0046	1527.	.0146	.0057	.0005	2.184	-.0020	.0001	2.099
Elem Units	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	W_2079 ppm	Zn2062 ppm	Zr3391 ppm	
Avg	-0.0033	.2587	.0003	-0.0100	.0020	-0.0083	.1551	.0011	
Stddev	.0070	.0118	.0020	.0019	.0004	.0040	.0081	.0010	
%RSD	209.0	4.569	586.2	18.72	19.08	48.36	5.196	91.27	
#1	-.0024	.2705	-.0017	-.0095	.0024	-.0121	.1638	.0021	
#2	-.0107	.2586	.0005	-.0085	.0021	-.0087	.1534	.0001	
#3	.0031	.2469	.0022	-.0121	.0016	-.0041	.1480	.0010	

Raw Data MA59103 page 142 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16283-1 Acquired: 8/7/2025 11:50:53 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5600.2	84906.	23636.	3192.9
Stddev	7.8	144.	150.	.7
%RSD	.13876	.16903	.63352	.02332
#1	5604.3	84875.	23794.	3193.7
#2	5605.0	85063.	23617.	3192.2
#3	5591.2	84781.	23496.	3192.8

Raw Data MA59103 page 143 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56406-SD1 Acquired: 8/7/2025 11:55:53 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm	Cd2288 ppm
Avg	-0.0015	.1975	.0042	.0846	.2285	-.0001	.0271	92.02	.0006
Stddev	.0135	.0535	.0215	.0079	.0081	.0010	.0067	2.67	.0018
%RSD	876.3	27.08	517.6	9.306	3.557	759.1	24.87	2.904	279.2
#1	-.0104	.2521	-.0004	.0757	.2377	.0002	.0282	94.95	.0020
#2	.0140	.1951	.0276	.0876	.2254	-.0013	.0199	91.39	.0013
#3	-.0082	.1452	-.0147	.0906	.2223	.0007	.0332	89.71	-.0014
Elem Units	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm	Mg2790 ppm	Mn2576 ppm
Avg	-0.0885	.0024	.0031	.0252	.2636	1.984	-0.0136	15.61	.3740
Stddev	.0708	.0117	.0044	.0030	.0280	.533	.0059	.47	.0111
%RSD	80.01	486.3	142.0	12.04	10.62	26.87	43.38	3.008	2.968
#1	-.0228	.0054	.0083	.0217	.2957	2.598	-.0111	16.08	.3848
#2	-.1635	-.0105	.0005	.0272	.2445	1.642	-.0093	15.61	.3745
#3	-.0792	.0123	.0006	.0267	.2505	1.711	-.0203	15.14	.3626
Elem Units	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm
Avg	.0050	1525.	.0154	-0.0311	-0.0208	4.498	.0121	.0121	2.422
Stddev	.0024	43.	.0065	.0051	.0421	.085	.0222	.0085	.061
%RSD	46.90	2.808	41.97	16.43	201.8	1.883	183.7	69.70	2.530
#1	.0064	1569.	.0099	-.0255	-.0276	4.595	.0116	.0089	2.481
#2	.0064	1523.	.0138	-.0322	.0242	4.465	-.0099	.0058	2.425
#3	.0023	1483.	.0226	-.0356	-.0591	4.436	.0345	.0217	2.359
Elem Units	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	W_2079 ppm	Zn2062 ppm	Zr3391 ppm	
Avg	-0.0076	.2543	.0046	.0116	.0024	-0.0370	.1802	.0070	
Stddev	.0126	.0082	.0059	.0602	.0033	.0145	.0039	.0025	
%RSD	167.1	3.216	128.7	518.2	139.3	39.19	2.181	35.26	
#1	-.0066	.2625	.0041	.0742	.0061	-.0294	.1847	.0073	
#2	-.0177	.2545	.0107	.0067	-.0003	-.0537	.1781	.0093	
#3	-.0116	.2461	-.0011	-.0460	.0013	-.0279	.1777	.0044	

Raw Data MA59103 page 144 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56406-SD1 Acquired: 8/7/2025 11:55:53 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5553.5	83958.	23940.	3179.9
Stddev	9.4	249.	100.	6.1
%RSD	.16937	.29627	.41862	.19197

#1	5563.7	84097.	23880.	3185.5
#2	5551.4	84108.	24056.	3180.9
#3	5545.3	83671.	23884.	3173.4

Raw Data MA59103 page 145 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16288-1 Acquired: 8/7/2025 12:00:46 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 08/07

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0017	.9523	.0015	.1346	.1951	.0002	-0.0124	17.47	.0000
Stddev	.0012	.0856	.0014	.0073	.0129	.0001	.0053	1.15	.0004
%RSD	74.51	8.993	93.70	5.394	6.606	91.41	42.78	6.579	1014.

#1	-0.0019	.9982	-0.001	.1425	.2083	.0003	-0.0157	18.62	.0001
#2	-0.0003	1.005	.0021	.1328	.1944	.0002	-0.0063	17.45	.0003
#3	-0.0027	.8535	.0025	.1283	.1826	-0.0000	-0.0151	16.33	-0.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0189	.0220	.0004	.0125	.3835	3.893	-0.0019	1.646	6.684
Stddev	.0119	.0035	.0005	.0010	.0276	.243	.0031	.101	.249
%RSD	63.12	16.12	107.1	8.127	7.209	6.232	160.5	6.127	3.725

#1	-0.0221	.0257	.0010	.0114	.4149	4.173	.0016	1.710	6.930
#2	-0.0057	.0216	.0004	.0128	.3728	3.738	-0.0031	1.698	6.688
#3	-0.0289	.0187	.0000	.0134	.3628	3.769	-0.0043	1.530	6.432

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	F 1507.	.0047	.0164	.0081	.6209	.0094	-0.0000	.9107
Stddev	.0009	94.	.0011	.0041	.0029	.0141	.0036	.0107	.0749
%RSD	74.28	6.222	22.68	25.01	36.19	2.274	38.51	83690.	8.228

#1	.0003	1598.	.0059	.0191	.0056	.6372	.0090	-0.0117	.9849
#2	.0011	1512.	.0039	.0184	.0075	.6134	.0060	.0026	.9121
#3	.0021	1411.	.0042	.0117	.0114	.6121	.0132	.0091	.8350

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	.0933	.0027	-0.0189	.0007	-0.0103	.0230	.0018
Stddev	.0008	.0062	.0009	.0033	.0015	.0035	.0013	.0009
%RSD	64.41	6.672	33.71	17.52	220.7	34.31	5.594	47.87

#1	.0021	.0997	.0035	-0.0151	.0024	-0.0081	.0244	.0008
#2	.0013	.0929	.0017	-0.0211	-0.0004	-0.0085	.0229	.0023
#3	.0004	.0873	.0030	-0.0206	.0001	-0.0144	.0218	.0024

Raw Data MA59103 page 146 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16288-1 Acquired: 8/7/2025 12:00:46 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 08/07

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5557.1	83925.	23197.	3158.1
Stddev	12.1	505.	57.	3.7
%RSD	.21722	.60140	.24502	.11605

#1	5570.7	84425.	23196.	3161.5
#2	5552.5	83933.	23140.	3158.5
#3	5547.9	83416.	23254.	3154.2

Raw Data MA59103 page 147 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16288-2 Acquired: 8/7/2025 12:05:49 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 08/07

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0009	.4564	-0.0038	.2975	.2916	.0007	-0.0123	33.60	.0000
Stddev	.0012	.0123	.0042	.0272	.0196	.0001	.0011	2.10	.0009
%RSD	135.6	2.705	109.4	9.141	6.724	9.244	8.784	6.255	2576.

#1	-0.0022	.4706	-0.0002	.3253	.3116	.0007	-0.0111	35.77	.0009
#2	.0001	.4486	-0.0084	.2960	.2908	.0006	-0.0130	33.47	-0.0009
#3	-0.0005	.4499	-0.0028	.2710	.2724	.0006	-0.0128	31.57	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0145	.0024	.0017	.0064	.1474	.9280	-0.0033	5.410	.4118
Stddev	.0245	.0006	.0013	.0009	.0066	.1191	.0038	.351	.0200
%RSD	168.9	23.63	74.43	14.28	4.494	12.83	112.7	6.493	4.869

#1	.0136	.0030	.0003	.0060	.1543	1.031	-0.0023	5.788	.4323
#2	-0.0313	.0025	.0028	.0059	.1466	.7977	-0.0075	5.346	.4109
#3	-0.0258	.0018	.0020	.0075	.1411	.9551	-0.0002	5.094	.3922

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	F 1438.	.0073	.0035	.0189	1.804	.0033	.0036	1.483
Stddev	.0014	105.	.0015	.0027	.0033	.115	.0018	.0050	.137
%RSD	630.1	7.316	20.48	75.58	17.23	6.355	55.23	136.6	9.256

#1	.0002	1539.	.0088	.0007	.0213	1.916	.0016	.0046	1.629
#2	-0.0011	1446.	.0073	.0060	.0203	1.810	.0031	.0080	1.463
#3	.0016	1329.	.0058	.0037	.0152	1.687	.0052	-0.0018	1.357

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.1596	.0054	-0.0118	.0027	-0.0114	.0462	.0016
Stddev	.0017	.0106	.0012	.0089	.0013	.0034	.0037	.0011
%RSD	622.1	6.627	21.48	75.42	46.56	29.71	7.922	66.78

#1	-0.0022	.1707	.0045	-0.0144	.0017	-0.0153	.0500	.0004
#2	.0007	.1585	.0067	-0.0191	.0041	-0.0097	.0460	.0022
#3	.0007	.1496	.0051	-0.0019	.0024	-0.0092	.0427	.0022

Raw Data MA59103 page 148 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16288-2 Acquired: 8/7/2025 12:05:49 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 08/07

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5548.9	83389.	23478.	3166.3
Stddev	6.4	120.	178.	3.0
%RSD	.11616	.14422	.75936	.09346

#1	5555.5	83261.	23510.	3166.0
#2	5548.7	83500.	23638.	3163.4
#3	5542.6	83407.	23285.	3169.3

Raw Data MA59103 page 149 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE15567-1A Acquired: 8/7/2025 12:10:49 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0008	2904	.0033	.2717	.0361	.0001	-0.0032	352.6	-0.0034
Stddev	.0016	.0194	.0021	.0155	.0015	.0001	.0042	9.9	.0005
%RSD	.1917	6.664	62.82	5.721	4.059	229.9	129.6	2.815	14.83

#1	-.0006	.3093	.0055	.2872	.0375	.0000	-.0081	361.8	-.0033
#2	-.0025	.2914	.0013	.2719	.0363	-.0000	-.0010	353.8	-.0029
#3	-.0006	.2706	.0033	.2561	.0346	.0002	-.0006	342.1	-.0039

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0050	.0221	.0044	.0073	.2000	14.22	.0575	10.97	.9745
Stddev	.0060	.0021	.0010	.0019	.0040	.46	.0046	.32	.0294
%RSD	121.2	9.570	22.69	26.64	1.999	3.208	7.960	2.903	3.020

#1	-.0047	.0239	.0056	.0064	.2043	14.66	.0585	11.17	1.005
#2	.0009	.0226	.0040	.0059	.1995	14.27	.0524	11.15	.9727
#3	-.0111	.0197	.0038	.0095	.1963	13.75	.0614	10.61	.9459

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059	F 1644.	.0332	.0133	.0354	8.552	.3467	-.0043	16.55
Stddev	.0005	54.	.0046	.0042	.0151	.452	.0181	.0106	.99
%RSD	8.405	3.297	13.81	31.63	42.76	5.287	5.208	244.2	5.957

#1	.0055	1678.	.0384	.0088	.0527	9.021	.3664	-.0157	17.58
#2	.0065	1673.	.0299	.0171	.0288	8.515	.3428	.0053	16.44
#3	.0058	1582.	.0313	.0142	.0247	8.119	.3309	-.0027	15.62

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0083	1.109	.0010	-0.0067	.0048	-0.0103	.1027	.0014
Stddev	.0038	.036	.0013	.0080	.0013	.0066	.0062	.0003
%RSD	45.36	3.214	132.2	120.0	28.05	63.64	6.000	20.11

#1	-.0098	1.145	.0024	-.0102	.0059	-.0172	.1093	.0014
#2	-.0040	1.108	.0002	-.0124	.0051	-.0097	.1018	.0012
#3	-.0110	1.074	.0003	.0025	.0033	-.0041	.0971	.0017

Raw Data MA59103 page 150 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE15567-1A Acquired: 8/7/2025 12:10:49 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5597.8	83636.	22953.	3179.0
Stddev	24.8	229.	188.	17.7
%RSD	.44382	.27429	.82105	.55545

#1	5570.0	83900.	23162.	3160.7
#2	5605.8	83496.	22795.	3180.4
#3	5617.8	83511.	22901.	3195.9

Raw Data MA59103 page 151 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16054-1 Acquired: 8/7/2025 12:15:49 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0021	.3037	.0009	.0597	.5186	.0003	-0.0039	224.1	.0020
Stddev	.0017	.0302	.0030	.0045	.0220	.0001	.0038	10.1	.0011
%RSD	84.00	9.940	340.5	7.480	4.239	31.58	96.33	4.523	54.53

#1	-.0039	.3318	.0033	.0648	.5406	.0004	-.0082	233.8	.0017
#2	-.0020	.3074	.0018	.0580	.5186	.0004	-.0024	225.0	.0011
#3	-.0004	.2718	-.0025	.0564	.4966	.0002	-.0011	213.6	.0032

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0232	.0173	.0029	.0738	.2835	4.700	.0024	12.77	2.657
Stddev	.0212	.0020	.0006	.0017	.0170	.202	.0012	.57	.101
%RSD	91.41	11.31	18.75	2.258	5.996	4.301	50.72	4.489	3.790

#1	.0294	.0188	.0024	.0756	.2928	4.898	.0022	13.33	2.757
#2	-.0004	.0181	.0030	.0724	.2937	4.708	.0012	12.78	2.657
#3	.0405	.0151	.0035	.0733	.2639	4.494	.0036	12.18	2.556

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	F 1878.	.0383	.0092	.1800	11.70	.0015	-0.0002	3.629
Stddev	.0017	90.	.0031	.0058	.0162	.97	.0036	.0025	.321
%RSD	1109.	4.777	8.077	63.45	9.026	8.250	234.0	1027.	8.855

#1	.0015	1935.	.0411	.0108	.1982	12.72	.0022	-.0028	3.962
#2	-.0019	1925.	.0388	.0027	.1749	11.60	-.0024	-.0002	3.604
#3	-.0001	1775.	.0350	.0140	.1669	10.79	.0048	.0023	3.321

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0014	1.014	.0041	-0.0162	.0000	-0.0172	.6918	.0020
Stddev	.0039	.046	.0023	.0048	.0006	.0015	.0589	.0006
%RSD	271.6	4.538	56.24	29.38	8432.	8.612	8.508	29.76

#1	-.0026	1.059	.0062	-.0144	.0007	-.0170	.7523	.0016
#2	.0029	1.014	.0017	-.0217	-.0000	-.0188	.6885	.0026
#3	-.0047	.9675	.0044	-.0127	-.0006	-.0159	.6347	.0016

Raw Data MA59103 page 152 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16054-1 Acquired: 8/7/2025 12:15:49 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5562.2	83557.	23088.	3172.7
Stddev	15.7	79.	53.	6.4
%RSD	.28208	.09476	.23122	.20016

#1	5569.7	83639.	23043.	3179.8
#2	5547.3	83551.	23074.	3167.6
#3	5539.6	83481.	23147.	3170.6

Raw Data MA59103 page 153 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16154-1 Acquired: 8/7/2025 12:20:48 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0017	.2142	-0.0037	.0194	.0150	.0000	.0007	5.437	.0000
Stddev	.0009	.0093	.0027	.0028	.0005	.0002	.0017	.268	.0010
%RSD	51.02	4.323	72.89	14.71	3.200	.4928.	248.0	4.929	13980.

#1	-.0018	.2243	-.0006	.0226	.0152	-.0001	-.0000	5.707	-.0003
#2	-.0008	.2060	-.0055	.0183	.0154	-.0002	.0026	5.431	-.0008
#3	-.0025	.2123	-.0049	.0172	.0145	.0003	-.0006	5.172	.0012

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0233	.0547	.0624	.0174	.2053	2.883	.0019	5.439	.3021
Stddev	.0092	.0086	.0043	.0010	.0079	.142	.0008	.0710	.0176
%RSD	39.67	15.71	6.848	5.545	3.862	4.919	42.52	13.05	5.829

#1	-.0126	.0640	.0671	.0185	.2081	3.016	.0022	.6252	.3201
#2	-.0284	.0533	.0616	.0171	.2114	2.899	.0024	.4948	.3011
#3	-.0289	.0469	.0586	.0167	.1963	2.733	.0009	.5116	.2849

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	F 1727.	.0030	.2654	.0067	.7478	-.0003	-.0026	.7552
Stddev	.0013	91.	.0009	.0343	.0094	.0217	.0032	.0134	.1013
%RSD	103.9	5.253	31.65	12.94	140.8	2.898	1154.	509.3	13.41

#1	.0028	1802.	.0019	.3006	.0171	.7690	.0033	-.0181	.8573
#2	.0005	1754.	.0033	.2636	-.0011	.7485	-.0025	.0062	.7537
#3	.0005	1626.	.0036	.2320	.0041	.7257	-.0016	.0039	.6548

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0089	.0329	.0038	-.0029	.0009	-.0075	.5167	.0064
Stddev	.0049	.0014	.0010	.0019	.0012	.0044	.0627	.0008
%RSD	55.49	4.235	25.06	63.70	127.5	58.14	12.13	12.90

#1	.0099	.0343	.0049	-.0008	.0000	-.0088	.5777	.0073
#2	.0132	.0329	.0035	-.0036	.0005	-.0111	.5199	.0063
#3	.0035	.0315	.0030	-.0044	.0022	-.0027	.4524	.0056

Raw Data MA59103 page 154 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16154-1 Acquired: 8/7/2025 12:20:48 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5411.3	82209.	22950.	3113.0
Stddev	7.0	14.	166.	3.4
%RSD	.12885	.01708	.72192	.10854

#1	5417.4	82207.	22770.	3113.7
#2	5412.7	82196.	22985.	3116.0
#3	5403.7	82224.	23096.	3109.3

Raw Data MA59103 page 155 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16156-1 Acquired: 8/7/2025 12:25:48 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0030	.0763	-.0060	.0291	.0026	-.0001	-.0100	.4747	-.0003
Stddev	.0006	.0268	.0041	.0014	.0003	.0001	.0057	.0256	.0010
%RSD	20.03	35.20	68.29	4.746	12.18	184.3	57.16	5.401	397.0

#1	-.0032	.1014	-.0041	.0284	.0024	-.0001	-.0072	.5028	-.0008
#2	-.0023	.0480	-.0107	.0306	.0023	-.0002	-.0062	.4688	-.0009
#3	-.0035	.0793	-.0032	.0281	.0029	.0001	-.0166	.4525	.0009

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	-.0007	.0002	.0105	.0422	.4128	.0011	.1020	.0018
Stddev	.0173	.0005	.0015	.0022	.0125	.0485	.0030	.0256	.0001
%RSD	1948.	75.50	616.6	20.92	29.61	11.76	262.0	25.12	3.987

#1	.0083	-.0012	.0019	.0129	.0562	.4671	.0008	.1243	.0017
#2	.0132	-.0006	-.0011	.0085	.0320	.3735	-.0016	.0740	.0018
#3	-.0189	-.0002	-.0001	.0102	.0385	.3978	.0042	.1075	.0019

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	F 1614.	.0019	.0081	.0024	1.141	.0016	.0044	.2959
Stddev	.0013	101.	.0013	.0072	.0046	.048	.0007	.0063	.0257
%RSD	943.9	6.271	69.38	88.70	189.6	4.166	45.74	143.0	8.702

#1	.0002	1730.	.0035	.0161	-.0021	1.192	.0017	.0057	.3214
#2	-.0011	1568.	.0013	.0057	.0023	1.132	.0023	.0100	.2962
#3	.0014	1544.	.0010	.0024	.0071	1.098	.0008	-.0024	.2699

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028	.0028	.0013	-.0085	.0023	-.0158	.0712	.0017
Stddev	.0069	.0001	.0014	.0079	.0006	.0054	.0059	.0014
%RSD	245.3	3.922	112.7	93.48	28.57	34.19	8.301	81.70

#1	.0062	.0027	.0028	-.0029	.0028	-.0133	.0775	.0024
#2	-.0051	.0030	.0009	-.0050	.0015	-.0121	.0703	.0001
#3	.0073	.0028	.0000	-.0175	.0025	-.0220	.0658	.0025

Raw Data MA59103 page 156 of 267

Sample Name: JE16156-1 Acquired: 8/7/2025 12:25:48 Type:UNK
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5536.4	83221.	23058.	3166.3
Stddev	14.9	274.	81.	10.7
%RSD	.26861	.32951	.35231	.33733
#1	5522.1	83379.	23091.	3154.9
#2	5535.3	82904.	23118.	3168.0
#3	5551.8	83380.	22966.	3176.1

Raw Data MA59103 page 157 of 267

Sample Name: CCV Acquired: 8/7/2025 12:30:52 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2418	39.32	2.010	1.982	1.975	1.997	1.951	39.61	2.006
Stddev	.0008	.07	.002	.003	.005	.002	.003	.12	.003
%RSD	.3134	.1675	.0968	.1690	.2769	.1028	.1410	.2960	.1421
#1	2421	39.38	2.009	1.984	1.980	1.995	1.948	39.67	2.004
#2	2410	39.33	2.009	1.978	1.975	1.999	1.951	39.68	2.004
#3	2425	39.25	2.012	1.983	1.969	1.998	1.954	39.47	2.009

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.980	2.014	1.972	1.898	39.65	39.87	1.964	39.13	2.015
Stddev	.005	.001	.004	.006	.07	.04	.006	.14	.007
%RSD	.2665	.0470	.2306	.3343	.1733	.1119	.2953	.3514	.3321
#1	1.979	2.014	1.967	1.904	39.63	39.86	1.969	39.19	2.009
#2	1.985	2.015	1.976	1.892	39.73	39.83	1.965	39.23	2.022
#3	1.975	2.013	1.974	1.899	39.59	39.92	1.958	38.98	2.015

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.977	39.95	2.021	1.995	2.005	2.040	1.972	2.005	4.979
Stddev	.002	.06	.003	.006	.002	.009	.002	.004	.006
%RSD	.0816	.1512	.1339	.3083	.1088	.4499	.1225	.1943	.1223
#1	1.976	39.98	2.020	1.991	2.003	2.031	1.971	2.007	4.981
#2	1.976	39.99	2.024	1.991	2.007	2.040	1.971	2.000	4.972
#3	1.979	39.88	2.019	2.002	2.006	2.049	1.975	2.007	4.983

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

Raw Data MA59103 page 158 of 267

Sample Name: CCV Acquired: 8/7/2025 12:30:52 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.979	2.006	1.959	1.986	1.966	1.979	2.017	1.989
Stddev	.003	.013	.002	.006	.004	.002	.004	.005
%RSD	.1665	.6620	.1233	.3286	.2153	.0818	.1897	.2719
#1	1.975	1.996	1.957	1.979	1.962	1.978	2.014	1.985
#2	1.981	2.001	1.961	1.991	1.971	1.977	2.017	1.995
#3	1.980	2.021	1.961	1.989	1.965	1.980	2.021	1.987

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5551.7	80991.	23267.	3048.2
Stddev	4.3	239.	73.	4.6
%RSD	.07684	.29556	.31533	.15142
#1	5555.8	81147.	23248.	3051.4
#2	5547.3	81110.	23206.	3050.2
#3	5551.9	80715.	23349.	3042.9

Raw Data MA59103 page 159 of 267

Sample Name: CCB Acquired: 8/7/2025 12:35:32 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.006	-0.011	.0001	.0036	.0002	.0001	.0017	.0014	.0001
Stddev	.0003	.0038	.0010	.0003	.0000	.0000	.0016	.0005	.0003
%RSD	49.24	357.9	1055.	8.287	29.79	36.21	94.48	33.61	243.7
#1	-0.009	-0.027	-0.002	.0035	.0001	.0001	.0021	.0009	-0.001
#2	-0.005	.0033	-0.007	.0039	.0001	.0001	-0.001	.0017	-0.000
#3	-0.004	-0.038	.0012	.0034	.0002	.0001	.0031	.0017	.0005

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.032	.0001	.0001	-0.019	.0049	.0509	-0.003	-0.008	.0001
Stddev	.0023	.0002	.0002	.0006	.0017	.0268	.0005	.0072	.0000
%RSD	72.21	225.9	157.0	34.34	35.26	52.68	142.4	913.5	33.09
#1	-0.052	.0000	.0002	-0.012	.0033	.0557	-0.008	.0048	.0002
#2	-0.037	-0.001	-0.001	-0.024	.0067	.0750	-0.004	-0.089	.0001
#3	-0.007	.0004	.0003	-0.020	.0046	.0220	.0002	.0017	.0001

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0609	.0004	-0.005	.0003	.0047	.0008	-0.007	.0041
Stddev	.0003	.0023	.0002	.0010	.0001	.0010	.0006	.0010	.0005
%RSD	24.56	3.828	46.12	202.5	20.66	20.97	79.17	155.5	11.91
#1	.0011	.0635	.0002	-0.016	.0003	.0047	.0001	-0.007	.0047
#2	.0008	.0601	.0005	.0001	.0003	.0057	.0011	-0.017	.0041
#3	.0014	.0590	.0006	.0000	.0004	.0038	.0012	.0004	.0037

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

Raw Data MA59103 page 160 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: CCB Acquired: 8/7/2025 12:35:32 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	0.0001	0.0008	-0.0050	0.0005	-0.0022	0.0001	0.0002
Stddev	0.0005	0.0001	0.0001	0.0033	0.0003	0.0014	0.0002	0.0001
%RSD	181.6	56.17	14.95	65.13	58.18	60.25	289.4	52.40

#1	-0.0004	0.0001	0.0009	-0.0013	0.0007	-0.0011	-0.0001	0.0001
#2	0.0003	0.0002	0.0009	-0.0075	0.0006	-0.0018	0.0000	0.0002
#3	-0.0007	0.0001	0.0007	-0.0062	0.0002	-0.0038	0.0003	0.0004

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5353.5	81061.	23819.	3079.9
Stddev	18.4	277.	192.	10.3
%RSD	.34330	.34155	.80746	.33397

#1	5332.9	80742.	23921.	3070.6
#2	5359.7	81217.	23597.	3078.1
#3	5368.0	81225.	23939.	3091.0

Raw Data MA59103 page 161 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-MB1 1 Acquired: 8/7/2025 12:40:26 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	-0.0001	0.0016	0.0033	0.0002	0.0001	0.0025	0.0080	-0.0001
Stddev	0.0002	0.0065	0.0012	0.0001	0.0001	0.0000	0.0028	0.0007	0.0002
%RSD	59.81	5525.	74.09	2.665	80.12	9.913	112.3	8.362	116.8

#1	-0.0002	0.0043	0.0026	0.0033	0.0003	0.0001	0.0047	0.0073	-0.0001
#2	-0.0004	-0.0076	0.0018	0.0032	0.0001	0.0001	0.0034	0.0087	-0.0000
#3	-0.0006	0.0029	0.0003	0.0034	0.0001	0.0001	-0.0007	0.0080	-0.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0073	0.0001	-0.0001	-0.0002	0.0055	0.0008	-0.0013	-0.0051	0.0001
Stddev	0.0020	0.0001	0.0003	0.0003	0.0015	0.0259	0.0008	0.0057	0.0000
%RSD	27.87	166.7	475.9	151.3	26.41	63.45	65.88	112.4	14.03

#1	-0.0095	-0.0000	-0.0004	-0.0003	0.0053	0.0571	-0.0003	-0.0039	0.0001
#2	-0.0066	0.0001	-0.0001	0.0001	0.0070	0.0110	-0.0015	-0.0113	0.0002
#3	-0.0056	0.0001	0.0003	-0.0004	0.0041	0.0545	-0.0019	-0.0000	0.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	0.0453	-0.0010	-0.0004	0.0009	0.0023	-0.0028	-0.0030	0.953
Stddev	0.0003	0.0023	0.0001	0.0021	0.0017	0.0006	0.0013	0.0013	0.0017
%RSD	87.70	5.011	6.559	599.2	189.2	27.88	45.47	41.99	1.781

#1	-0.0003	0.0460	-0.0010	0.0010	0.0017	0.0020	-0.0036	-0.0028	0.940
#2	-0.0006	0.0427	-0.0011	-0.0028	0.0020	0.0019	-0.0013	-0.0044	0.972
#3	-0.0001	0.0471	-0.0010	0.0008	-0.0010	0.0030	-0.0035	-0.0019	0.946

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0009	0.0001	0.0002	-0.0010	0.0001	-0.0040	0.0010	-0.0003
Stddev	0.0007	0.0000	0.0002	0.0010	0.0003	0.0006	0.0002	0.0002
%RSD	79.02	50.61	90.76	100.4	196.9	14.67	16.72	90.52

#1	-0.0001	0.0001	0.0004	-0.0010	-0.0001	-0.0035	0.0010	-0.0001
#2	-0.0015	0.0001	-0.0000	0.0000	0.0001	-0.0047	0.0008	-0.0002
#3	-0.0011	0.0001	0.0003	-0.0020	0.0005	-0.0039	0.0011	-0.0005

Raw Data MA59103 page 162 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-MB1 1 Acquired: 8/7/2025 12:40:26 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5317.3	79821.	23632.	3083.5
Stddev	15.4	238.	262.	10.1
%RSD	.28899	.29835	1.1107	.32901

#1	5334.7	79571.	23841.	3095.2
#2	5311.2	79848.	23718.	3078.9
#3	5305.9	80045.	23338.	3076.5

Raw Data MA59103 page 163 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-MB1 1 Acquired: 8/7/2025 12:45:41 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: EPA/1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0001	0.0019	0.0002	0.0033	0.0000	0.0000	0.0042	0.0098	-0.0001
Stddev	0.0004	0.0036	0.0008	0.0005	0.0001	0.0000	0.0007	0.0006	0.0002
%RSD	636.3	189.6	454.4	15.79	250.4	114.2	15.67	6.457	138.6

#1	-0.0004	-0.0016	0.0010	0.0039	-0.0000	0.0000	0.0049	0.0091	0.0001
#2	0.0004	0.0057	0.0001	0.0032	0.0001	0.0000	0.0040	0.0104	-0.0003
#3	0.0002	0.0017	-0.0005	0.0028	-0.0000	0.0000	0.0036	0.0099	-0.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0087	0.0001	0.0001	0.0028	0.0115	-0.0082	-0.0003	0.0023	0.0003
Stddev	0.0028	0.0002	0.0004	0.0004	0.0017	0.0128	0.0005	0.0042	0.0000
%RSD	41.82	118.4	325.1	13.54	14.99	155.1	171.3	187.0	5.970

#1	-0.0035	0.0003	-0.0003	0.0028	0.0134	0.0056	-0.0000	0.0052	0.0003
#2	-0.0086	-0.0001	0.0001	0.0031	0.0102	-0.0196	0.0000	0.0041	0.0003
#3	-0.0080	0.0002	0.0005	0.0024	0.0108	-0.0107	-0.0009	-0.0026	0.0003

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	0.0373	-0.0006	0.0016	0.0002	0.0041	-0.0031	-0.0044	0.960
Stddev	0.0003	0.0044	0.0004	0.0011	0.0013	0.0021	0.0008	0.0007	0.0016
%RSD	83.92	11.69	68.69	68.92	766.1	50.53	25.73	16.52	1.628

#1	-0.0000	0.0418	-0.0003	0.0028	-0.0012	0.0031	-0.0030	-0.0035	0.977
#2	-0.0006	0.0368	-0.0011	0.0013	0.0015	0.0065	-0.0039	-0.0047	0.947
#3	-0.0006	0.0332	-0.0004	0.0006	0.0002	0.0028	-0.0024	-0.0048	0.957

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	0.0000	0.0003	0.0003	-0.0002	-0.0043	0.0004	0.0000
Stddev	0.0003	0.0000	0.0003	0.0012	0.0003	0.0007	0.0002	0.0001
%RSD	103.8	1002.	107.0	381.8	150.7	16.30	7.013	295.5

#1	-0.0003	0.0000	0.0001	-0.0010	-0.0000	-0.0048	0.0036	0.0000
#2	0.0000	-0.0000	0.0007	0.0014	-0.0005	-0.0035	0.0032	0.0001
#3	-0.0005	0.0000	0.0002	0.0006	-0.0001	-0.0046	0.0036	-0.0000

Raw Data MA59103 page 164 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-MB1 1 Acquired: 8/7/2025 12:45:41 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: EPA/1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5324.8	79740.	23324.	3098.9
Stddev	5.5	444.	246.	4.3
%RSD	.10319	.55734	1.0537	.14013

#1	5318.7	80209.	23561.	3093.9
#2	5329.3	79686.	23070.	3101.3
#3	5326.5	79325.	23342.	3101.4

Raw Data MA59103 page 165 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-B1 Acquired: 8/7/2025 12:50:35 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.861	2.054	2.034
Stddev	.006	.004	.007
%RSD	.3230	.1781	.3604

#1	1.859	2.055	2.028
#2	1.857	2.056	2.032
#3	1.868	2.049	2.042

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5429.4	78853.	22892.	3041.3
Stddev	10.1	452.	264.	3.0
%RSD	.18544	.57307	1.1544	.09810

#1	5436.0	79343.	23003.	3041.5
#2	5434.4	78762.	22590.	3044.1
#3	5417.8	78453.	23082.	3038.2

Raw Data MA59103 page 167 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-B1 Acquired: 8/7/2025 12:50:35 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0824	25.07	2.038	1.955	1.993	1.992	-0.050	26.22
Stddev	.0002	.04	.006	.002	.005	.003	.0012	.13
%RSD	.2211	.1738	.3048	.1161	.2754	.1405	24.52	.5014

#1	.0823	25.02	2.045	1.957	1.987	1.991	-0.037	26.10
#2	.0822	25.11	2.034	1.952	1.995	1.995	-0.052	26.36
#3	.0826	25.07	2.036	1.955	1.997	1.990	-0.061	26.20

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.004	-0.0009	2.034	1.977	1.819	25.29	25.65	-0.0006
Stddev	.003	.0034	.001	.004	.003	.09	.07	.0007
%RSD	.1378	392.6	.0669	.2280	.1512	.3655	.2550	121.9

#1	2.006	.0012	2.036	1.972	1.818	25.20	25.58	-0.014
#2	2.004	-0.0048	2.033	1.981	1.821	25.38	25.71	.0001
#3	2.001	.0011	2.033	1.978	1.816	25.28	25.65	-0.005

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.03	2.048	1.972	40.37	2.054	-0.0056	2.068	1.273
Stddev	.19	.008	.001	.11	.001	.0008	.001	.003
%RSD	.6985	.4036	.0230	.2798	.0481	13.63	.0644	.2078

#1	26.85	2.042	1.972	40.25	2.054	-0.063	2.069	1.272
#2	27.23	2.046	1.972	40.48	2.055	-0.048	2.067	1.272
#3	27.01	2.058	1.972	40.39	2.053	-0.058	2.067	1.277

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.998	2.076	.0612	1.987	2.046	1.979	W 2.007	1.986
Stddev	.002	.007	.0009	.000	.058	.004	.007	.003
%RSD	.0947	.3326	1.497	.0060	2.814	.1778	.3338	.1544

#1	2.001	2.084	.0619	1.987	1.997	1.975	2.003	1.982
#2	1.997	2.073	.0601	1.987	2.109	1.982	2.003	1.988
#3	1.997	2.071	.0615	1.987	2.031	1.979	2.015	1.987

Raw Data MA59103 page 166 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-B1 Acquired: 8/7/2025 12:55:17 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0803	24.24	1.981	1.877	1.935	1.919	-0.040	24.81
Stddev	.0003	.05	.008	.004	.002	.002	.0020	.10
%RSD	.4010	.1865	.3942	.2076	.0770	.1041	48.36	.3906

#1	.0807	24.22	1.986	1.877	1.936	1.918	-0.061	24.74
#2	.0801	24.21	1.972	1.873	1.933	1.918	-0.022	24.77
#3	.0801	24.29	1.985	1.881	1.936	1.921	-0.039	24.92

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.933	.0031	1.972	1.918	1.746	25.14	24.22	-0.0009
Stddev	.002	.0021	.000	.003	.003	.01	.07	.0008
%RSD	.0770	69.56	.0107	.1438	.1753	.0334	.2967	83.66

#1	1.935	.0055	1.972	1.918	1.743	25.14	24.19	-0.002
#2	1.932	.0016	1.972	1.913	1.745	25.15	24.17	-0.008
#3	1.933	.0021	1.972	1.918	1.749	25.15	24.30	-0.017

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.81	1.993	1.918	24.90	2.000	-0.0025	2.012	-0.188
Stddev	.12	.004	.002	.03	.002	.0007	.002	.0026
%RSD	.4947	.2010	.1093	.1147	.0743	29.30	.1156	13.68

#1	24.72	1.992	1.920	24.90	2.001	-0.0034	2.014	-0.179
#2	24.77	1.989	1.915	24.87	2.001	-0.0019	2.012	-0.217
#3	24.95	1.997	1.918	24.93	1.999	-0.0023	2.009	-0.168

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.945	2.007	.0627	1.924	1.943	1.926	W 1.942	1.924
Stddev	.001	.004	.0004	.007	.011	.001	.003	.003
%RSD	.0524	.2088	.6584	.3594	.5765	.0668	.1393	.1341

#1	1.946	2.007	.0622	1.921	1.935	1.925	1.939	1.926
#2	1.944	2.002	.0629	1.932	1.938	1.925	1.942	1.921
#3	1.946	2.011	.0630	1.919	1.956	1.927	1.944	1.926

Raw Data MA59103 page 168 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: MP56417-B1 Acquired: 8/7/2025 12:55:17 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.825	1.980	1.995
Stddev	.009	.003	.006
%RSD	.5068	.1537	.3167

#1	1.816	1.977	1.991
#2	1.825	1.983	1.991
#3	1.834	1.980	2.002

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5406.5	78834.	22808.	3056.3
Stddev	5.6	66.	217.	3.9
%RSD	.10363	.08348	.95036	.12702

#1	5404.6	78810.	22930.	3053.4
#2	5412.8	78784.	22938.	3060.7
#3	5402.1	78909.	22558.	3054.8

Raw Data MA59103 page 169 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: MP56418-S1 Acquired: 8/7/2025 13:00:01 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.774	1.700	1.986
Stddev	.007	.008	.005
%RSD	.4203	.4530	.2568

#1	1.770	1.692	1.990
#2	1.769	1.707	1.980
#3	1.783	1.700	1.987

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5143.7	79968.	20471.	2858.7
Stddev	13.7	343.	124.	10.7
%RSD	.26587	.42910	.60734	.37254

#1	5128.0	79601.	20556.	2846.9
#2	5152.7	80020.	20529.	2867.7
#3	5150.5	80282.	20328.	2861.4

Raw Data MA59103 page 171 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: MP56418-S1 Acquired: 8/7/2025 13:00:01 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0955	26.09	1.951	4.186	2.141	1.956	-.0012	F 249.4
Stddev	.0003	.08	.008	.030	.005	.007	.0004	.6
%RSD	.3324	.2970	.4081	.7241	.2491	.3684	34.75	.2296

#1	.0955	26.14	1.955	4.214	2.147	1.958	-.0017	249.6
#2	.0953	26.00	1.941	4.154	2.137	1.948	-.0008	249.8
#3	.0959	26.13	1.955	4.191	2.140	1.962	-.0013	248.7

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.179	.0070	1.982	1.802	2.269	24.46	F 266.1	.1016
Stddev	.010	.0017	.004	.006	.002	.14	.6	.0006
%RSD	.4758	24.42	.2003	.3486	.0760	.5874	.2409	.5493

#1	2.187	.0051	1.978	1.809	2.268	24.53	266.7	.1022
#2	2.167	.0084	1.982	1.797	2.271	24.29	265.4	.1011
#3	2.183	.0073	1.986	1.800	2.268	24.55	266.1	.1014

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 638.8	1.914	1.927	*****	1.962	.0046	2.068	F 423.9
Stddev	3.5	.007	.006	----	.002	.0015	.003	1.6
%RSD	.5550	.3787	.2895	----	.1056	32.09	.1378	.3782

#1	638.3	1.921	1.930	----	1.961	.0040	2.069	425.5
#2	635.5	1.907	1.921	----	1.961	.0035	2.065	422.3
#3	642.6	1.914	1.932	----	1.964	.0063	2.071	424.1

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.104	2.068	1.970	1.925	5.883	1.863	W 2.134	1.871
Stddev	.015	.013	.012	.005	.140	.004	.005	.005
%RSD	.7193	.6341	.5952	.2795	2.375	.2066	.2547	.2820

#1	2.115	2.076	1.977	1.920	6.001	1.867	2.138	1.876
#2	2.087	2.052	1.956	1.923	5.729	1.860	2.128	1.866
#3	2.109	2.074	1.976	1.931	5.920	1.862	2.137	1.869

Raw Data MA59103 page 170 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: MP56418-S2 Acquired: 8/7/2025 13:04:55 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0985	26.27	1.996	4.261	2.117	1.935	-.0056	F 252.4
Stddev	.0006	.09	.010	.012	.007	.006	.0008	1.5
%RSD	.5594	.3318	.4990	.2892	.3210	.3139	14.24	.5895

#1	.0979	26.37	1.985	4.247	2.124	1.941	-.0052	254.0
#2	.0990	26.23	2.000	4.267	2.111	1.934	-.0051	252.2
#3	.0985	26.22	2.004	4.269	2.117	1.929	-.0065	251.0

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.186	.0033	1.981	1.791	2.292	24.48	F 268.9	.1030
Stddev	.006	.0038	.003	.008	.018	.08	.6	.0005
%RSD	.2947	117.3	.1679	.4236	.7887	.3394	.2245	.5102

#1	2.178	-.0010	1.977	1.785	2.272	24.56	269.5	.1036
#2	2.190	.0064	1.984	1.790	2.297	24.49	268.4	.1027
#3	2.189	.0043	1.981	1.800	2.307	24.39	268.7	.1027

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 642.1	1.897	1.959	*****	1.956	.0057	2.062	F 433.9
Stddev	3.0	.008	.005	----	.004	.0015	.002	1.4
%RSD	.4725	.4301	.2334	----	.2198	25.70	.0837	.3216

#1	644.2	1.889	1.954	----	1.951	.0041	2.061	432.3
#2	643.6	1.896	1.961	----	1.958	.0060	2.064	434.8
#3	638.7	1.905	1.962	----	1.958	.0070	2.061	434.6

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.148	2.083	2.024	1.960	6.071	1.887	W 2.124	1.863
Stddev	.005	.013	.005	.005	.219	.012	.004	.010
%RSD	.2151	.6235	.2611	.2528	3.609	.6478	.2008	.5403

#1	2.143	2.069	2.019	1.954	6.192	1.875	2.124	1.853
#2	2.150	2.086	2.029	1.963	6.202	1.887	2.129	1.862
#3	2.151	2.094	2.026	1.963	5.818	1.899	2.120	1.873

Raw Data MA59103 page 172 of 267

Sample Name: MP56418-S2 Acquired: 8/7/2025 13:04:55 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	W_2079 ppm	Zn2062 ppm	Zr3391 ppm
Avg	1.834	1.694	2.004
Stddev	.011	.004	.009
%RSD	.6031	.2570	.4733

#1	1.822	1.689	1.996
#2	1.840	1.698	2.002
#3	1.841	1.695	2.014

Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5091.1	80336.	20515.	2817.0
Stddev	19.4	797.	151.	12.3
%RSD	.38067	.99255	.73508	.43808

#1	5105.9	81199.	20363.	2826.7
#2	5098.2	80181.	20518.	2821.3
#3	5069.2	79627.	20664.	2803.1

Raw Data MA59103 page 173 of 267

Sample Name: JE16544-1 Acquired: 8/7/2025 13:09:50 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm
Avg	.0014	.2356	-.0004	2.258	.0930	.0001	.0034	F 232.8
Stddev	.0002	.0041	.0011	.011	.0002	.0002	.0004	.34
%RSD	11.93	1.750	258.2	.4875	.2355	321.6	10.77	1.476

#1	.0016	.2346	.0004	2.248	.0932	.0000	.0037	228.9
#2	.0013	.2402	-.0001	2.257	.0928	-.0001	.0036	234.2
#3	.0012	.2322	-.0016	2.270	.0928	.0003	.0030	235.4

Elem Units	Cd2288 ppm	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm
Avg	F -.0022	.0021	.0010	.0021	-.0009	.0544	F 244.5	.1031
Stddev	.0002	.0009	.0002	.0003	.0007	.0037	.4	.0012
%RSD	10.33	42.93	15.87	12.15	81.66	6.819	.1656	1.116

#1	-.0019	.0012	.0011	.0018	-.0001	.0522	244.2	.1044
#2	-.0022	.0022	.0011	.0022	-.0012	.0523	245.0	.1024
#3	-.0024	.0030	.0008	.0023	-.0014	.0587	244.4	.1025

Elem Units	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm
Avg	F 619.5	.0010	.0102	*****	.0015	.0137	F -.0082	F 430.4
Stddev	5.3	.0001	.0005	----	.0001	.0008	.0005	.8
%RSD	.8628	11.07	4.692	----	7.051	6.004	6.066	.1954

#1	613.4	.0011	.0107	----	.0016	.0145	-.0087	429.9
#2	622.8	.0009	.0103	----	.0016	.0129	-.0077	430.0
#3	622.4	.0010	.0097	----	.0014	.0137	-.0083	431.4

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm
Avg	.0007	-.0019	2.042	-.0028	4.098	.0001	-.0084	.0034
Stddev	.0011	.0010	.004	.0009	.044	.0001	.0012	.0000
%RSD	151.3	50.32	.1718	30.19	1.064	89.10	13.91	.8478

#1	.0009	-.0026	2.039	-.0038	4.082	.0002	-.0086	.0034
#2	-.0005	-.0025	2.041	-.0025	4.147	.0002	-.0093	.0034
#3	.0017	-.0008	2.046	-.0022	4.064	-.0000	-.0071	.0034

Raw Data MA59103 page 174 of 267

Sample Name: JE16544-1 Acquired: 8/7/2025 13:09:50 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	W_2079 ppm	Zn2062 ppm	Zr3391 ppm
Avg	.0236	-.0010	.0021
Stddev	.0024	.0001	.0001
%RSD	10.34	14.26	5.797

#1	.0256	-.0009	.0023
#2	.0243	-.0009	.0020
#3	.0209	-.0011	.0021

Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5074.0	80886.	20429.	2838.1
Stddev	30.5	60.	255.	21.1
%RSD	.60068	.07454	1.2473	.74349

#1	5103.1	80885.	20722.	2858.0
#2	5076.5	80826.	20300.	2840.5
#3	5042.3	80947.	20264.	2815.9

Raw Data MA59103 page 175 of 267

Sample Name: MP56418-SD1 Acquired: 8/7/2025 13:15:01 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm	Cd2288 ppm
Avg	-.0003	.1891	.0040	2.224	.0874	-.0005	-.0009	231.8	-.0026
Stddev	.0021	.0317	.0050	.037	.0007	.0002	.0054	1.3	.0007
%RSD	838.8	16.77	124.3	1.655	.7755	36.19	579.7	.5788	26.11

#1	.0013	.1972	.0097	2.185	.0867	-.0007	.0052	230.4	-.0018
#2	.0006	.2160	.0020	2.229	.0874	-.0003	-.0050	233.1	-.0029
#3	-.0026	.1542	.0003	2.258	.0881	-.0005	-.0030	231.9	-.0030

Elem Units	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm	Mg2790 ppm	Mn2576 ppm
Avg	.0198	-.0000	.0021	-.0008	.0442	227.6	.0864	589.4	.0005
Stddev	.0065	.0010	.0005	.0012	.0069	1.7	.0018	4.2	.0002
%RSD	32.67	11330.	21.34	142.1	15.63	.7259	2.051	.7165	28.81

#1	.0170	-.0012	.0018	.0004	.0396	225.7	.0855	585.8	.0004
#2	.0152	.0006	.0027	-.0009	.0407	228.4	.0852	594.0	.0007
#3	.0272	.0006	.0019	-.0020	.0521	228.8	.0884	588.4	.0005

Elem Units	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm
Avg	.0165	F 4850.	.0033	.0200	-.0098	462.9	-.0089	.0026	1.912
Stddev	.0016	130.	.0017	.0068	.0114	7.0	.0043	.0109	.032
%RSD	9.924	2.686	51.73	33.93	117.0	1.513	47.84	421.3	1.655

#1	.0183	4741.	.0019	.0162	-.0012	455.6	-.0132	.0062	1.878
#2	.0161	4994.	.0027	.0161	-.0227	463.7	-.0047	-.0097	1.915
#3	.0151	4814.	.0052	.0279	-.0053	469.5	-.0089	.0112	1.941

Elem Units	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	W_2079 ppm	Zn2062 ppm	Zr3391 ppm
Avg	-.0108	3.946	.0001	-.0119	.0068	.1054	.0074	.0076
Stddev	.0048	.027	.0019	.0045	.0008	.0085	.0029	.0007
%RSD	44.50	.6919	2207.	38.01	11.74	8.037	39.83	9.105

#1	-.0062	3.915	.0023	-.0068	.0075	.1127	.0053	.0082
#2	-.0104	3.956	-.0012	-.0154	.0059	.1074	.0061	.0078
#3	-.0159	3.967	-.0009	-.0134	.0071	.0961	.0108	.0068

Raw Data MA59103 page 176 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-SD1 Acquired: 8/7/2025 13:15:01 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5572.4	85036.	22423.	3130.9
Stddev	6.7	456.	263.	3.3
%RSD	.11976	.53667	1.1722	.10494

#1	5578.7	85557.	22424.	3134.7
#2	5565.4	84709.	22161.	3128.7
#3	5573.3	84842.	22686.	3129.4

Raw Data MA59103 page 177 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-S1 Acquired: 8/7/2025 13:19:59 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0992	25.94	1.969	5.153	1.998	1.875	-.0022	F 275.9
Stddev	.0001	.07	.008	.016	.004	.004	.0019	.5
%RSD	.0818	.2804	.4147	.3147	.2045	.2203	85.87	.1975

#1	.0992	25.88	1.969	5.149	1.994	1.871	-.0045	275.8
#2	.0991	26.02	1.960	5.140	2.003	1.879	-.0009	275.4
#3	.0993	25.92	1.976	5.171	1.998	1.873	-.0014	276.5

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.174	.0028	1.907	1.702	2.345	22.90	F 313.0	1.320
Stddev	.006	.0019	.005	.011	.005	.07	1.0	.0011
%RSD	.2682	69.38	.2410	.6442	.2168	.2909	.3258	.8334

#1	2.171	.0024	1.909	1.689	2.348	22.85	311.9	.1318
#2	2.170	.0011	1.902	1.711	2.347	22.97	313.9	.1333
#3	2.180	.0048	1.911	1.704	2.339	22.87	313.2	.1311

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 828.5	1.787	1.913	*****	1.859	.0484	1.962	F 528.5
Stddev	3.8	.009	.006	----	.003	.0009	.001	1.4
%RSD	.4566	.5093	.3170	----	.1423	1.851	.0682	.2645

#1	827.3	1.776	1.909	----	1.861	.0495	1.964	528.1
#2	832.8	1.793	1.910	----	1.856	.0479	1.961	527.3
#3	825.6	1.791	1.920	----	1.860	.0480	1.962	530.0

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.143	2.059	1.490	1.904	7.171	1.823	W 2.040	1.776
Stddev	.008	.003	.003	.003	.179	.008	.010	.008
%RSD	.3623	.1235	.2157	.1781	2.497	.4304	.4774	.4725

#1	2.139	2.056	1.491	1.900	7.166	1.814	2.051	1.767
#2	2.139	2.061	1.487	1.904	7.353	1.829	2.036	1.784
#3	2.152	2.060	1.493	1.907	6.995	1.825	2.033	1.777

Raw Data MA59103 page 178 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-S1 Acquired: 8/7/2025 13:19:59 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.751	1.612	1.905
Stddev	.011	.007	.007
%RSD	.6419	.4428	.3883

#1	1.743	1.610	1.896
#2	1.746	1.606	1.909
#3	1.764	1.620	1.909

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4986.9	80012.	20880.	2716.5
Stddev	22.5	455.	100.	17.8
%RSD	.45130	.56856	.47738	.65711

#1	4989.2	80530.	20931.	2722.7
#2	5008.2	79828.	20765.	2730.4
#3	4963.4	79678.	20944.	2696.3

Raw Data MA59103 page 179 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-S2 Acquired: 8/7/2025 13:24:55 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0990	25.96	1.974	4.924	2.017	1.899	-.0024	F 260.7
Stddev	.0004	.04	.005	.017	.006	.004	.0008	3.9
%RSD	.4238	.1462	.2570	.3403	.2902	.2340	34.22	1.497

#1	.0985	25.99	1.970	4.910	2.019	1.900	-.0020	259.3
#2	.0993	25.97	1.980	4.943	2.022	1.895	-.0034	257.7
#3	.0993	25.92	1.973	4.921	2.011	1.903	-.0019	265.1

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.178	.0069	1.930	1.751	2.346	22.91	F 295.5	1.232
Stddev	.003	.0010	.001	.007	.001	.07	.3	.0004
%RSD	.1529	14.35	.0654	.4017	.0593	.2960	.0992	.3303

#1	2.175	.0079	1.931	1.743	2.346	22.89	295.8	1.228
#2	2.178	.0060	1.929	1.755	2.344	22.85	295.2	1.231
#3	2.182	.0066	1.930	1.755	2.347	22.98	295.4	1.236

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 775.7	1.840	1.923	*****	1.890	.0450	1.986	F 497.0
Stddev	4.1	.009	.001	----	.003	.0009	.002	.3
%RSD	.5258	.4887	.0487	----	.1800	1.903	.0749	.0613

#1	775.3	1.830	1.922	----	1.888	.0441	1.985	496.7
#2	771.9	1.847	1.923	----	1.888	.0458	1.988	497.0
#3	780.0	1.843	1.924	----	1.894	.0450	1.985	497.3

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.137	2.052	1.380	1.918	6.924	1.863	W 2.061	1.817
Stddev	.003	.008	.005	.004	.073	.003	.001	.007
%RSD	.1472	.3960	.3340	.2174	1.054	.1542	.0239	.3767

#1	2.135	2.044	1.379	1.922	6.881	1.860	2.061	1.810
#2	2.140	2.060	1.385	1.914	6.882	1.866	2.062	1.822
#3	2.135	2.054	1.376	1.919	7.008	1.864	2.061	1.821

Raw Data MA59103 page 180 of 267

Sample Name: MP56417-S2 Acquired: 8/7/2025 13:24:55 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	W_2079 ppm	Zn2062 ppm	Zr3391 ppm
Avg	1.790	1.637	1.944
Stddev	.007	.006	.010
%RSD	.3688	.3884	.4971

#1	1.784	1.641	1.933
#2	1.789	1.630	1.952
#3	1.797	1.641	1.948

Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5051.5	79878.	21061.	2764.9
Stddev	15.2	450.	169.	7.7
%RSD	.29996	.56391	.80266	.27978

#1	5068.8	80342.	21134.	2773.6
#2	5045.1	79851.	21181.	2762.2
#3	5040.6	79442.	20868.	2758.9

Raw Data MA59103 page 181 of 267

Sample Name: CCV Acquired: 8/7/2025 13:29:50 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm	Cd2288 ppm
Avg	2367	38.52	1.934	1.921	1.946	1.945	1.876	38.67	1.948
Stddev	.0008	.02	.004	.007	.001	.003	.007	.06	.002
%RSD	.3506	.0642	.2036	.3628	.0311	.1568	.3858	.1618	.1084

#1	2361	38.54	1.938	1.929	1.946	1.948	1.883	38.74	1.950
#2	2364	38.52	1.932	1.918	1.947	1.943	1.877	38.65	1.949
#3	2377	38.49	1.931	1.916	1.947	1.943	1.869	38.63	1.946

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

Elem Units	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm	Mg2790 ppm	Mn2576 ppm
Avg	1.932	1.962	1.926	1.842	38.71	39.33	1.946	38.08	1.967
Stddev	.003	.001	.009	.013	.10	.14	.006	.10	.009
%RSD	.1751	.0232	.4664	.7251	.2458	.3611	.2854	.2535	.4662

#1	1.928	1.962	1.927	1.840	38.81	39.45	1.940	38.19	1.968
#2	1.933	1.962	1.916	1.856	38.70	39.38	1.947	38.04	1.958
#3	1.935	1.962	1.934	1.830	38.63	39.18	1.950	38.01	1.976

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

Elem Units	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm
Avg	1.917	39.77	1.973	1.926	1.968	2.076	1.907	1.924	4.793
Stddev	.003	.05	.001	.003	.004	.022	.006	.005	.017
%RSD	.1534	.1357	.0600	.1281	.2094	1.047	.3314	.2689	.3599

#1	1.919	39.79	1.972	1.928	1.965	2.101	1.914	1.929	4.812
#2	1.919	39.81	1.973	1.923	1.966	2.067	1.907	1.923	4.789
#3	1.914	39.71	1.974	1.927	1.972	2.060	1.901	1.919	4.779

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

Raw Data MA59103 page 182 of 267

Sample Name: CCV Acquired: 8/7/2025 13:29:50 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	W_2079 ppm	Zn2062 ppm	Zr3391 ppm
Avg	1.919	1.945	1.913	1.943	1.920	1.960	1.952	1.944
Stddev	.003	.004	.001	.006	.004	.009	.004	.004
%RSD	.1602	.1775	.0259	.3188	.2234	.4855	.2076	.2128

#1	1.920	1.943	1.913	1.950	1.919	1.971	1.951	1.942
#2	1.921	1.944	1.912	1.940	1.916	1.955	1.956	1.941
#3	1.915	1.949	1.913	1.939	1.925	1.953	1.948	1.948

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

Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5645.9	82294.	23534.	3125.2
Stddev	4.4	378.	77.	5.2
%RSD	.07710	.45958	.32510	.16539

#1	5643.7	82378.	23526.	3120.0
#2	5650.9	82624.	23462.	3125.4
#3	5643.1	81881.	23615.	3130.3

Raw Data MA59103 page 183 of 267

Sample Name: CCB Acquired: 8/7/2025 13:34:31 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm	Cd2288 ppm
Avg	-0.005	.0076	.0012	.0082	.0003	.0002	-0.002	.0021	.0002
Stddev	.0000	.0047	.0008	.0008	.0001	.0000	.0003	.0011	.0000
%RSD	7.877	60.98	67.37	10.22	33.59	9.946	103.7	49.15	12.41

#1	-0.005	.0066	.0013	.0091	.0002	.0002	-0.002	.0015	.0002
#2	-0.005	.0035	.0003	.0079	.0003	.0002	-0.000	.0034	.0003
#3	-0.005	.0127	.0020	.0075	.0003	.0002	-0.005	.0016	.0002

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

Elem Units	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm	Mg2790 ppm	Mn2576 ppm
Avg	-0.062	-0.000	.0001	.0035	.0052	.1522	-0.009	-0.036	.0001
Stddev	.0034	.0000	.0003	.0006	.0009	.0278	.0004	.0089	.0000
%RSD	54.39	422.5	228.2	17.51	17.57	18.30	46.87	245.5	33.67

#1	-0.034	-0.000	.0002	.0042	.0048	.1842	-0.006	-0.136	.0002
#2	-0.053	-0.001	.0004	.0034	.0045	.1389	-0.014	.0036	.0001
#3	-0.0100	.0000	-0.002	.0030	.0062	.1335	-0.007	-0.009	.0001

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

Elem Units	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm
Avg	.0025	.8307	.0009	.0013	-0.0001	F .0609	.0006	-0.0019	.0026
Stddev	.0002	.0235	.0004	.0010	.0007	.0032	.0014	.0019	.0002
%RSD	7.611	2.827	44.91	76.12	620.9	5.325	233.5	96.64	8.772

#1	.0025	.8531	.0004	.0011	.0002	.0606	-0.008	-0.020	.0024
#2	.0027	.8327	.0010	.0004	-0.0009	.0578	.0020	-0.037	.0027
#3	.0023	.8063	.0012	.0024	.0003	.0642	.0006	-0.000	.0028

Check ? High Limit Low Limit	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail .0500 -.0500	Chk Pass	Chk Pass	Chk Pass
------------------------------	----------	----------	----------	----------	----------	--------------------------	----------	----------	----------

Raw Data MA59103 page 184 of 267

Sample Name: CCB Acquired: 8/7/2025 13:34:31 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0002	.0004	-.0002	.0006	.0192	.0001	.0007
Stddev	.0003	.0000	.0003	.0012	.0003	.0015	.0002	.0002
%RSD	37.01	14.93	63.14	520.9	49.40	8.046	123.4	22.92

#1	.0007	.0002	.0004	.0004	.0005	.0209	-.0001	.0008
#2	.0006	.0002	.0002	-.0016	.0004	.0179	.0002	.0005
#3	.0011	.0002	.0007	.0005	.0009	.0188	.0002	.0008

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5424.7	81439.	23298.	3157.3
Stddev	3.7	62.	193.	1.9
%RSD	.06860	.07617	.82892	.05935

#1	5421.8	81510.	23125.	3155.2
#2	5423.3	81396.	23261.	3157.9
#3	5428.9	81411.	23506.	3158.9

Raw Data MA59103 page 185 of 267

Sample Name: JE16540-1 Acquired: 8/7/2025 13:39:25 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019	.3965	-.0026	3.041	.0389	-.0007	.0042	F 259.6
Stddev	.0000	.0004	.0007	.012	.0001	.0000	.0015	2.3
%RSD	1.414	.1132	26.18	.3983	.2016	5.268	36.28	.8920

#1	.0019	.3960	-.0020	3.040	.0389	-.0007	.0048	262.2
#2	.0018	.3965	-.0024	3.030	.0390	-.0008	.0053	257.6
#3	.0019	.3969	-.0033	3.054	.0388	-.0007	.0025	259.1

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0030	.0020	.0002	.0020	-.0003	.1536	F 284.5	.1327
Stddev	.0002	.0009	.0002	.0004	.0011	.0011	.6	.0006
%RSD	6.256	44.69	109.3	20.10	378.2	6942	.2149	.4870

#1	-.0032	.0020	-.0000	.0024	-.0008	.1548	284.2	.1324
#2	-.0028	.0030	.0003	.0016	-.0010	.1526	284.1	.1335
#3	-.0029	.0011	.0002	.0019	.0009	.1535	285.2	.1323

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 835.9	.0115	.0083	*****	.0010	.0574	F -.0103	F 513.5
Stddev	2.2	.0001	.0003	----	.0000	.0007	.0015	1.1
%RSD	.2626	.4896	3.478	----	5.143	1.217	14.52	.2115

#1	838.4	.0116	.0081	----	.0010	.0574	-.0095	513.4
#2	834.3	.0115	.0086	----	.0009	.0581	-.0121	512.5
#3	834.9	.0115	.0082	----	.0009	.0567	-.0095	514.6

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-.0019	1.413	-.0036	5.166	.0006	-.0087	.0024
Stddev	.0019	.0011	.005	.0007	.117	.0003	.0038	.0004
%RSD	166.3	55.79	.3617	19.72	2.267	61.40	43.46	15.85

#1	.0010	-.0007	1.413	-.0030	5.301	.0007	-.0120	.0020
#2	.0030	-.0028	1.408	-.0044	5.103	.0008	-.0046	.0028
#3	-.0007	-.0021	1.419	-.0034	5.093	.0002	-.0096	.0024

Raw Data MA59103 page 186 of 267

Sample Name: JE16540-1 Acquired: 8/7/2025 13:39:25 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	.0073	.0011	.0003
Stddev	.0006	.0001	.0002
%RSD	8.829	11.41	67.40

#1	.0066	.0009	.0006
#2	.0078	.0011	.0001
#3	.0076	.0012	.0003

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4982.7	80134.	20098.	2813.1
Stddev	15.9	406.	110.	11.0
%RSD	.31999	.50707	.54757	.38953

#1	4969.5	79691.	20014.	2804.8
#2	5000.4	80223.	20223.	2825.6
#3	4978.3	80489.	20058.	2809.0

Raw Data MA59103 page 187 of 267

Sample Name: MP56417-SD1 Acquired: 8/7/2025 13:44:36 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0000	.3695	-.0011	3.039	.0381	-.0008	.0040	276.4	-.0030
Stddev	.0021	.0335	.0074	.039	.0002	.0001	.0078	.9	.0007
%RSD	4893.	9.060	677.6	1.273	.4088	14.47	192.1	.3327	24.06

#1	-.0023	.3329	.0026	3.008	.0380	-.0008	.0023	275.4	-.0023
#2	.0002	.3986	-.0096	3.026	.0380	-.0009	-.0027	277.2	-.0028
#3	.0019	.3769	.0038	3.082	.0383	-.0007	.0125	276.6	-.0037

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0145	-.0009	.0031	.0096	.1531	266.8	.1125	849.2	.0120
Stddev	.0056	.0004	.0005	.0035	.0057	1.8	.0003	3.0	.0003
%RSD	38.83	48.89	16.61	36.38	3.732	.6795	.2750	.3550	2.397

#1	.0183	-.0013	.0027	.0067	.1508	264.8	.1121	846.3	.0117
#2	.0172	-.0007	.0031	.0134	.1489	267.4	.1126	852.3	.0122
#3	.0080	-.0006	.0037	.0086	.1596	268.2	.1127	848.9	.0121

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0118	F 6210.	.0031	.0637	-.0040	F 581.9	-.0026	-.0078	1.321
Stddev	.0006	128.	.0001	.0067	.0025	7.2	.0069	.0040	.018
%RSD	5.496	2.054	3.966	10.50	62.66	1.230	266.4	50.66	1.392

#1	.0125	6065.	.0032	.0600	-.0069	575.6	-.0038	-.0033	1.309
#2	.0113	6258.	.0032	.0597	-.0034	580.4	-.0088	-.0109	1.311
#3	.0116	6307.	.0030	.0714	-.0019	589.7	.0048	-.0092	1.342

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0126	5.097	.0002	-.0162	.0056	.0479	.0044	.0020
Stddev	.0037	.019	.0010	.0135	.0012	.0008	.0007	.0006
%RSD	29.08	.3765	569.6	83.46	21.92	1.634	15.60	32.51

#1	-.0125	5.076	.0000	-.0050	.0051	.0486	.0036	.0027
#2	-.0090	5.101	.0012	-.0312	.0047	.0471	.0049	.0016
#3	-.0163	5.114	-.0007	-.0124	.0070	.0482	.0047	.0016

Raw Data MA59103 page 188 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-SD1 Acquired: 8/7/2025 13:44:36 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5578.8	85058.	21946.	3169.4
Stddev	3.1	211.	106.	2.9
%RSD	.05621	.24752	.48155	.09301

#1	5576.1	85301.	21932.	3166.1
#2	5578.0	84945.	21848.	3171.8
#3	5582.3	84928.	22058.	3170.4

Raw Data MA59103 page 189 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16540-2 Acquired: 8/7/2025 13:49:35 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	.8354	-.0025	3.031	.0478	-.0005	.0034	F 267.7
Stddev	.0005	.0035	.0004	.010	.0003	.0000	.0014	1.3
%RSD	30.68	.4226	14.42	.3310	.5259	7.511	42.34	.4883

#1	.0020	.8393	-.0026	3.020	.0481	-.0005	.0050	269.0
#2	.0011	.8348	-.0028	3.035	.0476	-.0006	.0026	267.6
#3	.0019	.8323	-.0021	3.038	.0476	-.0005	.0025	266.4

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0031	-.0028	.0013	.0269	.0404	.5001	F 298.7	.1386
Stddev	.0001	.0022	.0003	.0003	.0007	.0022	1.1	.0010
%RSD	1.724	79.09	20.12	1.216	1.809	.4378	.3715	.6944

#1	-.0030	-.0026	.0012	.0269	.0411	.5019	299.9	.1395
#2	-.0031	-.0052	.0016	.0273	.0397	.5008	298.4	.1386
#3	-.0030	-.0008	.0011	.0266	.0403	.4977	297.8	.1376

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 853.4	.1105	.0088	*****	.0288	.1663	F -.0064	F 530.2
Stddev	3.4	.0005	.0003	----	.0005	.0002	.0007	.9
%RSD	.3999	.4322	3.928	----	1.607	.1365	11.51	.1613

#1	856.8	.1108	.0092	----	.0292	.1662	-.0070	530.7
#2	849.9	.1108	.0085	----	.0283	.1662	-.0065	529.2
#3	853.6	.1100	.0087	----	.0289	.1666	-.0056	530.7

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-.0014	1.617	-.0034	5.461	.0070	-.0098	.0032
Stddev	.0002	.0019	.010	.0004	.149	.0003	.0010	.0002
%RSD	20.70	139.2	.6222	11.89	2.736	4.534	10.55	6.785

#1	.0013	-.0024	1.605	-.0031	5.598	.0068	-.0090	.0030
#2	.0009	.0008	1.622	-.0032	5.302	.0074	-.0094	.0034
#3	.0010	-.0027	1.623	-.0038	5.482	.0069	-.0109	.0031

Raw Data MA59103 page 190 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16540-2 Acquired: 8/7/2025 13:49:35 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	.0063	.0233	.0007
Stddev	.0005	.0003	.0001
%RSD	8.296	1.380	21.13

#1	.0067	.0236	.0008
#2	.0065	.0230	.0006
#3	.0057	.0234	.0005

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4951.6	79875.	20147.	2767.9
Stddev	12.6	61.	99.	8.4
%RSD	.25466	.07649	.48950	.30480

#1	4954.8	79838.	20064.	2772.5
#2	4962.2	79842.	20256.	2773.0
#3	4937.7	79946.	20119.	2758.2

Raw Data MA59103 page 191 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16540-3 Acquired: 8/7/2025 13:54:45 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018	.1000	-.0042	2.851	.0485	-.0007	.0041	F 246.3
Stddev	.0001	.0041	.0001	.004	.0001	.0000	.0009	1.0
%RSD	6.693	4.074	2.700	.1326	.2668	3.818	23.08	.4119

#1	.0016	.0974	-.0041	2.855	.0485	-.0006	.0041	247.5
#2	.0018	.1047	-.0043	2.847	.0483	-.0007	.0032	245.8
#3	.0018	.0979	-.0042	2.851	.0486	-.0007	.0050	245.7

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0027	.0022	.0001	.0064	.0940	.0829	F 282.2	.1287
Stddev	.0001	.0019	.0003	.0002	.0006	.0042	1.2	.0012
%RSD	2.151	86.23	539.2	2.351	.6078	5.094	.4382	.9269

#1	-.0028	.0039	.0003	.0063	.0935	.0869	281.6	.1287
#2	-.0027	.0027	.0001	.0066	.0946	.0785	281.4	.1275
#3	-.0028	.0001	-.0003	.0064	.0938	.0833	283.7	.1299

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 786.3	.0100	.0086	*****	.0080	.0247	.0252	F 507.9
Stddev	3.2	.0000	.0000	----	.0002	.0012	.0010	.7
%RSD	.4021	.2373	.4696	----	2.332	4.822	4.070	.1286

#1	787.3	.0100	.0087	----	.0082	.0246	.0264	507.8
#2	788.8	.0100	.0086	----	.0080	.0235	.0245	508.7
#3	782.7	.0100	.0086	----	.0078	.0259	.0247	507.4

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-.0018	1.322	-.0041	5.044	-.0002	-.0084	.0017
Stddev	.0011	.0018	.000	.0008	.135	.0002	.0024	.0002
%RSD	744.1	100.2	.0309	20.34	2.667	98.99	28.15	8.667

#1	-.0007	.0002	1.322	-.0050	4.892	-.0000	-.0092	.0016
#2	-.0002	-.0024	1.322	-.0035	5.094	-.0004	-.0057	.0019
#3	.0014	-.0032	1.322	-.0038	5.146	-.0002	-.0103	.0017

Raw Data MA59103 page 192 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16540-3 Acquired: 8/7/2025 13:54:45 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	
Avg	.0053	.2938	.0004	
Stddev	.0020	.0012	.0001	
%RSD	37.02	.3957	21.37	
#1	.0069	.2925	.0004	
#2	.0058	.2947	.0003	
#3	.0031	.2941	.0005	
Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4995.9	80902.	20649.	2779.8
Stddev	13.4	389.	116.	5.1
%RSD	26818.	48089.	55995.	18201.
#1	5010.5	80595.	20571.	2785.6
#2	4984.1	80772.	20594.	2775.9
#3	4993.0	81339.	20782.	2778.0

Raw Data MA59103 page 193 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16540-4 Acquired: 8/7/2025 13:59:54 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Cs3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	.0766	-.0034	2.928	.0389	-.0008	.0051	F 252.6
Stddev	.0003	.0049	.0005	.021	.0003	.0000	.0007	3.6
%RSD	25.88	6.451	14.05	.7123	.7413	2.564	12.86	1.418
#1	.0014	.0711	-.0039	2.909	.0386	-.0008	.0052	248.9
#2	.0010	.0779	-.0030	2.950	.0389	-.0008	.0057	256.1
#3	.0017	.0808	-.0033	2.926	.0391	-.0007	.0044	252.7
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0032	.0021	.0004	.0029	-.0021	.0681	F 288.0	.1294
Stddev	.0003	.0020	.0001	.0004	.0006	.0011	1.0	.0008
%RSD	8.325	96.15	15.53	12.60	30.61	1.616	.3598	5858
#1	-.0031	.0044	.0004	.0026	-.0014	.0674	287.0	.1296
#2	-.0035	.0008	.0005	.0028	-.0021	.0694	288.0	.1286
#3	-.0030	.0010	.0004	.0033	-.0027	.0676	289.1	.1301
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 803.3	.0238	.0081	*****	.0053	.0116	F -.0063	F 518.7
Stddev	7.9	.0001	.0006	----	.0002	.0007	.0017	1.8
%RSD	.9875	.4262	7.382	----	4.416	6.345	27.16	.3533
#1	795.3	.0238	.0078	----	.0056	.0124	-.0055	517.3
#2	811.1	.0238	.0077	----	.0052	.0115	-.0082	520.8
#3	803.6	.0236	.0088	----	.0053	.0109	-.0051	518.1
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	-.0008	1.247	-.0034	5.125	-.0008	-.0089	.0011
Stddev	.0011	.0008	.009	.0004	.135	.0003	.0024	.0002
%RSD	229.7	97.33	.7304	13.17	2.625	33.31	27.13	18.10
#1	-.0005	-.0017	1.237	-.0038	5.007	-.0009	-.0073	.0011
#2	.0003	-.0003	1.255	-.0035	5.272	-.0010	-.0116	.0014
#3	.0016	-.0005	1.248	-.0029	5.096	-.0005	-.0077	.0010

Raw Data MA59103 page 194 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16540-4 Acquired: 8/7/2025 13:59:54 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	
Avg	.0044	.0131	.0004	
Stddev	.0013	.0001	.0001	
%RSD	30.39	.7563	25.69	
#1	.0051	.0132	.0004	
#2	.0053	.0131	.0004	
#3	.0029	.0130	.0003	
Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4970.1	80895.	20490.	2760.8
Stddev	20.5	374.	218.	15.3
%RSD	.41239	.46180	1.0645	.55448
#1	4991.5	81325.	20688.	2776.5
#2	4950.7	80661.	20256.	2745.9
#3	4968.0	80697.	20527.	2760.1

Raw Data MA59103 page 195 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16540-5 Acquired: 8/7/2025 14:05:04 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Cs3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018	.1236	-.0034	3.000	.0513	-.0007	.0029	F 251.9
Stddev	.0004	.0030	.0003	.010	.0002	.0001	.0032	.4
%RSD	21.58	2.447	8.315	.3395	.3684	7.925	111.1	.1685
#1	.0017	.1201	-.0037	3.004	.0514	-.0006	.0036	252.1
#2	.0015	.1255	-.0034	2.988	.0515	-.0007	.0058	252.2
#3	.0023	.1252	-.0032	3.007	.0511	-.0007	-.0006	251.4
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0030	-.0020	.0003	.0028	-.0028	.0752	F 288.2	.1316
Stddev	.0001	.0027	.0003	.0001	.0005	.0007	.2	.0011
%RSD	4.278	134.7	81.46	5.016	20.63	.9001	.0844	.8613
#1	-.0029	-.0046	.0002	.0027	-.0027	.0756	288.3	.1322
#2	-.0029	.0008	.0006	.0027	-.0020	.0744	288.4	.1323
#3	-.0031	-.0022	.0001	.0030	-.0030	.0756	288.0	.1303
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 800.1	.0156	.0078	*****	.0033	.0110	F -.0066	F 519.1
Stddev	3.7	.0001	.0003	----	.0001	.0002	.0012	3.3
%RSD	.4649	.4106	3.790	----	3.582	2.258	18.16	.6443
#1	795.8	.0156	.0078	----	.0033	.0112	-.0061	521.7
#2	802.4	.0156	.0081	----	.0035	.0107	-.0080	515.4
#3	802.0	.0155	.0075	----	.0032	.0110	-.0057	520.4
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	-.0028	1.632	-.0044	5.105	-.0005	-.0061	.0013
Stddev	.0013	.0024	.008	.0005	.071	.0002	.0014	.0002
%RSD	96.37	85.62	.4684	11.00	1.386	42.04	22.39	14.40
#1	.0019	-.0002	1.636	-.0050	5.184	-.0005	-.0052	.0013
#2	-.0001	-.0049	1.624	-.0042	5.048	-.0003	-.0054	.0015
#3	.0021	-.0033	1.638	-.0041	5.084	-.0008	-.0077	.0011

Raw Data MA59103 page 196 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16540-5 Acquired: 8/7/2025 14:05:04 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	
Avg	.0037	.0161	.0003	
Stddev	.0014	.0002	.0001	
%RSD	38.42	1.422	34.60	
#1	.0051	.0161	.0003	
#2	.0024	.0158	.0005	
#3	.0035	.0162	.0002	
Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4959.1	80773.	20446.	2761.9
Stddev	30.2	278.	35.	18.2
%RSD	60887	.34444	.17167	.65851
#1	4948.2	80738.	20487.	2755.3
#2	4993.2	80513.	20426.	2782.4
#3	4935.9	81066.	20426.	2747.9

Raw Data MA59103 page 197 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16541-1 Acquired: 8/7/2025 14:10:15 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.2424	-.0024	2.259	.0960	-.0005	.0043	F 220.0
Stddev	.0000	.0038	.0009	.012	.0001	.0000	.0019	2.5
%RSD	3.333	1.561	37.56	.5126	.1284	6.700	44.05	1.131
#1	.0010	.2468	-.0014	2.257	.0958	-.0005	.0025	217.8
#2	.0010	.2400	-.0027	2.249	.0960	-.0005	.0062	222.7
#3	.0010	.2405	-.0030	2.272	.0961	-.0005	.0041	219.5
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0026	.0008	.0004	.0010	-.0035	.0579	F 244.8	.1050
Stddev	.0001	.0020	.0003	.0002	.0005	.0012	.5	.0006
%RSD	2.011	262.3	71.43	22.79	12.80	2.037	.1984	.5771
#1	-.0026	.0029	.0001	.0009	-.0040	.0578	244.3	.1056
#2	-.0026	.0005	.0005	.0012	-.0036	.0568	245.1	.1051
#3	-.0027	-.0011	.0005	.0008	-.0031	.0591	245.1	.1044
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 597.2	.0014	.0058	*****	.0004	.0071	F -.0080	F 420.2
Stddev	5.0	.0000	.0001	----	.0002	.0014	.0010	2.1
%RSD	.8388	3.161	2.097	----	43.90	19.62	12.47	.4947
#1	592.0	.0014	.0057	----	.0002	.0084	-.0074	418.6
#2	597.6	.0014	.0058	----	.0003	.0056	-.0092	419.4
#3	602.0	.0015	.0060	----	.0005	.0073	-.0075	422.5
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0006	2.447	-.0034	4.072	-.0007	-.0063	.0024
Stddev	.0006	.0029	.013	.0010	.106	.0002	.0014	.0003
%RSD	2594.	488.9	.5092	27.81	2.600	23.62	21.56	13.20
#1	-.0006	.0018	2.448	-.0023	3.950	-.0005	-.0053	.0023
#2	.0004	.0002	2.434	-.0040	4.140	-.0008	-.0057	.0022
#3	.0003	-.0038	2.459	-.0040	4.127	-.0008	-.0078	.0028

Raw Data MA59103 page 198 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16541-1 Acquired: 8/7/2025 14:10:15 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	
Avg	.0037	-.0015	.0002	
Stddev	.0007	.0002	.0001	
%RSD	19.42	12.08	40.81	
#1	.0045	-.0017	.0003	
#2	.0035	-.0015	.0003	
#3	.0031	-.0013	.0001	
Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5135.3	82048.	20753.	2880.1
Stddev	24.6	75.	166.	10.2
%RSD	.47988	.09112	.80009	.35568
#1	5159.7	82127.	20936.	2887.2
#2	5135.7	82038.	20713.	2884.8
#3	5110.4	81978.	20611.	2868.4

Raw Data MA59103 page 199 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16541-2 Acquired: 8/7/2025 14:15:25 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.3456	-.0020	2.217	.0961	-.0005	.0033	F 227.7
Stddev	.0000	.0087	.0020	.033	.0003	.0000	.0006	1.4
%RSD	5.243	2.523	99.31	1.504	.3597	5.725	19.42	.6144
#1	.0008	.3550	-.0026	2.255	.0963	-.0005	.0040	226.5
#2	.0009	.3439	-.0036	2.194	.0957	-.0005	.0028	229.2
#3	.0009	.3378	-.0002	2.202	.0963	-.0005	.0031	227.4
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0028	.0045	-.0000	.0009	.0006	.0542	F 247.7	.1052
Stddev	.0001	.0027	.0004	.0001	.0002	.0005	.5	.0005
%RSD	2.014	59.61	964.9	13.22	27.27	.9650	.1819	.4716
#1	-.0029	.0072	-.0003	.0008	.0005	.0545	248.2	.1052
#2	-.0027	.0046	.0005	.0010	.0006	.0536	247.4	.1056
#3	-.0028	.0018	-.0003	.0010	.0008	.0545	247.5	.1046
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 617.3	.0001	.0054	*****	.0005	.0118	F -.0057	F 423.3
Stddev	3.2	.0000	.0005	----	.0001	.0005	.0034	4.4
%RSD	.5169	15.97	8.441	----	18.12	4.098	60.33	1.030
#1	621.0	.0001	.0055	----	.0004	.0112	-.0027	428.3
#2	615.4	.0001	.0058	----	.0006	.0121	-.0094	420.5
#3	615.6	.0001	.0049	----	.0004	.0120	-.0049	421.1
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	-.0032	2.253	-.0041	4.139	-.0012	-.0079	.0028
Stddev	.0020	.0012	.037	.0015	.027	.0002	.0019	.0001
%RSD	168.7	35.75	1.651	36.97	.6582	20.00	24.07	2.963
#1	-.0010	-.0023	2.296	-.0034	4.112	-.0014	-.0090	.0027
#2	.0029	-.0045	2.229	-.0058	4.139	-.0009	-.0090	.0029
#3	.0017	-.0029	2.234	-.0030	4.167	-.0012	-.0057	.0028

Raw Data MA59103 page 200 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-2 Acquired: 8/7/2025 14:15:25 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	.0020	.0009	.0001
Stddev	.0003	.0001	.0002
%RSD	16.31	9.441	175.2

#1	.0017	.0008	-.0000
#2	.0024	.0009	.0000
#3	.0020	.0009	.0003

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5086.6	81209.	20161.	2891.9
Stddev	21.4	388.	127.	17.8
%RSD	.42017	.47781	.62957	.61613

#1	5062.0	80813.	20049.	2871.4
#2	5099.3	81589.	20136.	2903.2
#3	5098.6	81224.	20299.	2901.3

Raw Data MA59103 page 201 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-3 Acquired: 8/7/2025 14:20:34 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	1.231	-.0014	2.222	.0968	-.0005	.0010	F 235.6
Stddev	.0002	.006	.0017	.006	.0004	.0000	.0024	4.9
%RSD	18.27	.4516	119.0	.2907	.3677	4.143	231.2	2.083

#1	.0015	1.225	-.0016	2.223	.0967	-.0005	.0034	232.0
#2	.0010	1.234	.0004	2.215	.0971	-.0005	-.0014	241.2
#3	.0015	1.234	-.0030	2.228	.0964	-.0006	.0011	233.6

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0030	-.0036	.0003	.0010	.0004	.2171	F 253.9	.1055
Stddev	.0002	.0036	.0002	.0004	.0003	.0016	.5	.0004
%RSD	7.498	99.79	62.97	38.04	73.22	.7323	.1942	.3589

#1	-.0031	.0004	.0004	.0014	.0008	.2164	253.9	.1051
#2	-.0030	-.0045	.0001	.0007	.0002	.2189	254.4	.1057
#3	-.0027	-.0066	.0004	.0009	.0003	.2159	253.4	.1057

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 631.4	.0260	.0060	*****	.0009	.0377	F -.0061	F 432.4
Stddev	5.8	.0004	.0005	----	.0004	.0007	.0021	1.3
%RSD	.9151	1.366	8.498	----	48.03	1.799	34.01	.3082

#1	625.6	.0263	.0062	----	.0014	.0380	-.0037	432.9
#2	637.1	.0256	.0064	----	.0006	.0369	-.0077	430.9
#3	631.6	.0259	.0054	----	.0007	.0382	-.0068	433.4

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	-.0037	1.971	-.0037	4.221	-.0002	-.0071	.0025
Stddev	.0013	.0005	.009	.0006	.099	.0003	.0014	.0002
%RSD	496.0	13.03	4.380	15.71	2.342	165.3	19.48	7.401

#1	-.0012	-.0042	1.964	-.0031	4.129	-.0001	-.0072	.0026
#2	-.0008	-.0032	1.968	-.0042	4.326	-.0006	-.0084	.0025
#3	.0012	-.0038	1.981	-.0039	4.209	.0001	-.0056	.0023

Raw Data MA59103 page 202 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-3 Acquired: 8/7/2025 14:20:34 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	.0020	.0078	.0001
Stddev	.0009	.0002	.0002
%RSD	48.37	3.133	127.2

#1	.0014	.0079	.0001
#2	.0031	.0076	.0003
#3	.0014	.0081	-.0000

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5064.1	80299.	19651.	2868.1
Stddev	12.6	414.	186.	12.0
%RSD	.24940	.51560	.94581	.41859

#1	5055.6	79936.	19852.	2861.1
#2	5078.6	80750.	19486.	2881.9
#3	5058.1	80210.	19615.	2861.2

Raw Data MA59103 page 203 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-4 Acquired: 8/7/2025 14:25:45 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.5211	-.0021	2.232	.0957	-.0005	.0059	F 225.9
Stddev	.0004	.0021	.0008	.014	.0005	.0001	.0010	2.0
%RSD	69.98	.3960	37.18	.6239	.5041	10.09	16.63	.8956

#1	.0010	.5188	-.0013	2.240	.0951	-.0005	.0069	223.5
#2	.0004	.5218	-.0022	2.216	.0960	-.0005	.0058	226.8
#3	.0003	.5228	-.0029	2.241	.0959	-.0006	.0049	227.2

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0027	-.0040	.0002	.0017	.0077	.3830	F 247.0	.1045
Stddev	.0000	.0020	.0001	.0004	.0003	.0034	1.2	.0002
%RSD	1.733	49.43	55.75	23.23	3.245	.8941	.4964	.1490

#1	-.0027	-.0055	.0003	.0021	.0076	.3794	245.9	.1046
#2	-.0028	-.0047	.0003	.0016	.0076	.3862	246.8	.1046
#3	-.0028	-.0018	.0001	.0013	.0080	.3835	248.3	.1043

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 607.9	.0005	.0057	*****	.0009	.0133	F -.0072	F 428.4
Stddev	2.2	.0001	.0002	----	.0002	.0005	.0007	2.6
%RSD	.3555	18.37	2.798	----	24.51	3.551	9.560	.6136

#1	606.0	.0006	.0058	----	.0008	.0137	-.0078	429.5
#2	607.3	.0005	.0057	----	.0007	.0134	-.0064	425.4
#3	610.2	.0005	.0055	----	.0011	.0128	-.0073	430.2

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	-.0012	2.199	-.0053	4.169	-.0001	-.0068	.0023
Stddev	.0010	.0019	.012	.0009	.066	.0001	.0014	.0003
%RSD	104.9	151.2	.5593	17.67	1.584	87.44	20.32	12.63

#1	.0020	-.0025	2.204	-.0049	4.126	-.0003	-.0053	.0023
#2	.0011	.0009	2.185	-.0046	4.135	-.0000	-.0080	.0020
#3	-.0001	-.0021	2.208	-.0064	4.245	-.0001	-.0072	.0026

Raw Data MA59103 page 204 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-4 Acquired: 8/7/2025 14:25:45 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	.0021	.0030	.0002
Stddev	.0010	.0001	.0002
%RSD	49.70	4.506	62.41

#1	.0013	.0031	.0003
#2	.0017	.0029	.0003
#3	.0033	.0028	.0001

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5067.1	80544.	20157.	2845.9
Stddev	14.0	370.	152.	10.1
%RSD	.27532	.45881	.75264	.35629

#1	5054.5	80139.	20287.	2840.7
#2	5082.1	80863.	20192.	2857.6
#3	5064.8	80630.	19990.	2839.4

Raw Data MA59103 page 205 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-SD1 Acquired: 8/7/2025 16:43:12 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 250.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.383	-4.415	-0.736	3.238	.0273	-.0082	-4.751	228.2	-0.292
Stddev	.0487	.0936	.1347	.097	.0354	.0054	.0455	.3	.0077
%RSD	35.19	21.20	183.1	3.000	129.9	65.82	9.582	.1177	26.28

#1	-.1935	-.3927	.0237	3.230	.0681	-.0116	-.4650	228.0	-.0366
#2	-.1197	-.3825	-.2274	3.339	.0094	-.0020	-.4355	228.1	-.0297
#3	-.1016	-.5495	-.0171	3.145	.0044	-.0110	-.5249	228.5	-.0213

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.536	-0.0567	-0.120	-0.272	-.3121	233.5	-1.387	563.0	-0.0062
Stddev	.998	.0151	.1512	.0414	.4448	5.6	.1046	2.1	.0038
%RSD	64.96	26.68	1260.	152.1	142.5	2.383	75.41	.3698	61.61

#1	-.4375	-.0605	-.1028	-.0119	.1782	239.1	-.1566	562.7	-.0018
#2	-2.386	-.0400	-.1626	.0707	-.4246	233.4	-.0264	561.2	-.0079
#3	-1.784	-.0695	-.0958	.0229	-.6898	228.0	-.2333	565.3	-.0088

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0507	5383.	.0533	-2.256	.0782	440.5	-3.688	.0729	2.858
Stddev	.0489	11.	.1138	.1816	.1856	.9	.3409	.5794	.661
%RSD	96.43	.1972	213.6	80.52	237.3	.2078	92.45	794.7	23.14

#1	.1024	5371.	-.0749	-.0278	.2925	441.5	-.7475	.6906	2.478
#2	.0051	5385.	.1424	-.3849	-.0257	439.7	-.2724	-.0135	3.621
#3	.0447	5392.	.0923	-.2640	-.0321	440.3	-.4584	2.474	

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1579	3.759	-0.0053	-2.926	.0880	.5271	.2297	.0539
Stddev	.1106	.034	.0461	.4019	.0480	.2789	.0326	.0692
%RSD	70.04	.8994	863.8	137.3	54.56	52.91	14.20	128.3

#1	.0317	3.764	.0292	-.3776	.1164	.8480	.1936	.0629
#2	.2038	3.790	-.0577	.1450	.1151	.3904	.2570	-.0193
#3	.2381	3.723	.0124	-.6453	.0326	.3429	.2386	.1182

Raw Data MA59103 page 206 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-SD1 Acquired: 8/7/2025 16:43:12 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 250.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5400.2	81190.	22042.	3120.4
Stddev	4.2	249.	91.	.8
%RSD	.07691	.30668	.41321	.02685

#1	5404.8	81073.	22050.	3119.5
#2	5396.9	81476.	22129.	3120.8
#3	5398.8	81021.	21947.	3121.0

Raw Data MA59103 page 207 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-S1 Acquired: 8/7/2025 16:48:05 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0926	30.38	1.953	5.277	2.043	1.951	-1.225	317.6
Stddev	.0127	.32	.020	.008	.028	.025	.0573	4.5
%RSD	13.72	1.050	1.003	.1552	1.391	1.257	46.75	1.429

#1	.0951	30.60	1.954	5.274	2.012	1.930	-.1055	313.1
#2	.1039	30.53	1.933	5.271	2.047	1.945	-.0757	317.6
#3	.0789	30.02	1.972	5.286	2.068	1.978	-.1864	322.1

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.060	.0653	2.126	2.019	1.778	25.65	291.0	.0627
Stddev	.019	.0155	.015	.012	.042	.36	9.4	.0437
%RSD	.9107	23.80	.7089	.6153	2.372	1.402	3.231	69.68

#1	2.058	.0646	2.144	2.018	1.754	25.29	281.5	.0708
#2	2.041	.0501	2.119	2.007	1.752	25.65	291.1	.0155
#3	2.079	.0812	2.116	2.032	1.826	26.01	300.3	.1017

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	891.0	2.082	2.006	7392.	2.166	.1422	2.176	625.1
Stddev	10.2	.012	.023	241.	.027	.0309	.074	1.3
%RSD	1.140	.5665	1.133	3.261	1.228	21.76	3.411	.2138

#1	882.2	2.069	1.981	7115.	2.137	.1623	2.220	623.8
#2	888.7	2.085	2.025	7516.	2.189	.1576	2.218	625.0
#3	902.1	2.092	2.011	7546.	2.173	.1065	2.090	626.5

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.962	1.901	1.468	1.992	7.215	1.947	W 2.226	1.994
Stddev	.051	.068	.068	.018	.106	.012	.122	.010
%RSD	2.588	3.554	4.632	.9063	1.473	.6224	5.485	.5065

#1	1.937	1.825	1.446	1.989	7.105	1.946	2.151	1.986
#2	1.929	1.922	1.414	1.975	7.224	1.960	2.160	2.005
#3	2.020	1.955	1.544	2.011	7.317	1.936	2.367	1.991

Raw Data MA59103 page 208 of 267

Sample Name: MP56417-S1 Acquired: 8/7/2025 16:48:05 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.570	2.119	2.018
Stddev	.041	.005	.013
%RSD	2.579	.2571	.6557

#1	1.557	2.116	2.020
#2	1.537	2.115	2.004
#3	1.615	2.125	2.030

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5458.5	81370.	21394.	3145.5
Stddev	24.3	129.	124.	14.0
%RSD	.44487	.15887	.57961	.44656

#1	5471.6	81243.	21283.	3155.3
#2	5473.4	81501.	21528.	3151.9
#3	5430.5	81365.	21371.	3129.5

Raw Data MA59103 page 209 of 267

Sample Name: MP56417-S2 Acquired: 8/7/2025 16:53:00 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0524	25.59	2.075	5.161	2.037	1.966	-.0744	296.7
Stddev	.0231	.13	.011	.039	.036	.028	.0556	5.6
%RSD	44.02	.5221	.5451	.7454	1.776	1.429	74.78	1.891

#1	.0412	25.66	2.088	5.117	2.004	1.935	-.0503	290.7
#2	.0370	25.43	2.067	5.183	2.030	1.971	-.0349	297.6
#3	.0789	25.67	2.071	5.184	2.076	1.990	-.1380	301.8

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.134	-.4499	2.217	2.060	1.729	25.92	265.3	.0384
Stddev	.009	.2293	.029	.013	.005	.28	8.1	.0421
%RSD	.4332	50.96	1.294	.6514	.2921	1.079	3.040	109.7

#1	2.124	-.2096	2.186	2.059	1.729	25.61	256.9	-.0018
#2	2.139	-.4738	2.224	2.047	1.724	26.14	266.1	.0821
#3	2.140	-.6662	2.242	2.074	1.735	26.02	273.0	.0348

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	835.0	2.130	2.095	6663.	2.265	.1751	2.309	596.0
Stddev	12.5	.023	.017	87.	.039	.0346	.027	6.9
%RSD	1.492	1.087	.8119	1.305	1.717	19.74	1.167	1.162

#1	821.6	2.105	2.077	6570.	2.220	.2081	2.336	588.3
#2	837.2	2.133	2.097	6676.	2.284	.1392	2.282	597.8
#3	846.3	2.151	2.111	6742.	2.291	.1779	2.309	601.8

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.024	2.026	1.396	2.050	6.815	2.011	W 2.283	2.039
Stddev	.064	.155	.031	.021	.122	.034	.083	.002
%RSD	3.169	7.633	2.209	1.000	1.792	1.687	3.619	.1034

#1	1.955	1.850	1.369	2.043	6.691	1.982	2.363	2.041
#2	2.082	2.137	1.389	2.034	6.819	2.048	2.198	2.037
#3	2.036	2.093	1.430	2.073	6.935	2.002	2.287	2.039

Raw Data MA59103 page 210 of 267

Sample Name: MP56417-S2 Acquired: 8/7/2025 16:53:00 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.660	2.174	2.081
Stddev	.052	.020	.025
%RSD	3.122	.9201	1.204

#1	1.699	2.160	2.059
#2	1.601	2.165	2.076
#3	1.681	2.197	2.108

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5384.2	79744.	20750.	3114.9
Stddev	8.5	353.	145.	4.1
%RSD	.15848	.44236	.69940	.13103

#1	5388.1	79611.	20825.	3114.3
#2	5390.1	80144.	20582.	3119.3
#3	5374.4	79478.	20841.	3111.2

Raw Data MA59103 page 211 of 267

Sample Name: JE16540-1 Acquired: 8/7/2025 16:57:51 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0222	.6689	-.0178	3.351	.0453	-.0037	-.0529	292.7	-.0020
Stddev	.0217	.3602	.0284	.027	.0040	.0009	.0661	3.8	.0076
%RSD	97.82	53.85	159.3	.7988	8.875	24.18	125.1	1.282	373.2

#1	-.0105	.9982	.0115	3.346	.0430	-.0039	-.0935	288.4	.0021
#2	-.0473	.7241	-.0452	3.327	.0499	-.0027	-.0885	294.1	.0025
#3	-.0089	.2842	-.0197	3.380	.0429	-.0044	.0234	295.4	-.0107

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0705	-.0063	-.0056	.0265	.1119	268.6	.1040	877.6	.0131
Stddev	.2008	.0065	.0064	.0289	.0454	8.6	.0541	8.5	.0018
%RSD	284.7	102.9	114.5	109.4	40.57	3.218	51.98	.9694	13.75

#1	.0987	.0012	-.0127	.0580	.0608	258.8	.0742	867.8	.0151
#2	-.2924	-.0102	-.0040	.0200	.1274	265.2	.0715	882.6	.0117
#3	-.0179	-.0098	-.0002	.0013	.1475	275.8	.1665	882.5	.0124

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0109	.7322	.0325	.1518	.0587	629.3	.0002	-.0816	1.430
Stddev	.0126	.170.	.0113	.0488	.0606	3.8	.0248	.0838	.020
%RSD	115.4	2.320	34.80	32.14	103.3	.6113	10630.	102.7	1.378

#1	.0104	.7141.	.0312	.1826	.1278	626.3	.0244	-.1299	1.450
#2	-.0014	.7347.	.0444	.1773	.0142	628.0	-.0252	.0152	1.429
#3	.0237	.7478.	.0219	.0956	.0341	633.6	.0015	-.1300	1.411

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0195	5.186	-.0163	-.0534	-.0029	.0490	.0230	.0154
Stddev	.0313	.087	.0358	.0688	.0207	.0246	.0104	.0018
%RSD	160.7	1.679	219.7	128.8	721.6	50.30	45.43	11.96

#1	-.0482	5.098	.0235	-.0963	.0096	.0524	.0290	.0165
#2	.0139	5.190	-.0458	-.0900	.0086	.0228	.0109	.0165
#3	-.0242	5.272	-.0265	.0259	-.0268	.0718	.0290	.0133

Raw Data MA59103 page 212 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16540-1 Acquired: 8/7/2025 16:57:51 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5397.7	80221.	20764.	3129.2
Stddev	22.1	108.	196.	12.7
%RSD	.40871	.13423	.94611	.40484

#1	5401.1	80322.	20687.	3133.8
#2	5417.9	80232.	20618.	3138.9
#3	5374.2	80108.	20987.	3114.9

Raw Data MA59103 page 213 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-SD1 Acquired: 8/7/2025 17:02:51 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 250.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1502	-4204	.0562	4.315	.0952	-0.233	.3971	330.0	.0188
Stddev	.0896	.7464	.1696	.073	.0113	.0103	.3307	1.5	.0751
%RSD	59.64	177.5	301.6	1.697	11.86	44.08	83.29	.4626	399.1

#1	-.0663	.4280	-.1371	4.258	.1082	-.0130	.3593	329.4	.0417
#2	-.1398	-.7133	-.1261	4.398	.0878	-.0235	.0869	331.8	.0798
#3	-.2446	-.9759	-.1797	4.289	.0896	-.0336	.7451	329.0	-.0650

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0351	-.0246	-.0586	.0685	.1263	306.4	-.0658	979.1	.0029
Stddev	.2896	.0144	.0838	.0691	.2285	4.0	.2587	3.2	.0098
%RSD	825.6	58.62	143.1	100.9	180.8	1.309	393.0	.3253	341.9

#1	.2868	-.0094	-.1502	.0053	-.0835	308.6	-.0001	977.3	-.0084
#2	-.1176	-.0263	.0142	.1422	.0929	308.9	-.3511	982.8	.0093
#3	-.2744	-.0380	-.0396	.0579	.3697	301.8	.1537	977.3	.0076

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0213	8433.	.1144	.2803	.0549	667.7	-.2415	-.4200	2.123
Stddev	.0298	8.	.1009	.1110	.1337	1.2	.3745	.4409	.103
%RSD	140.2	.0932	88.19	39.59	243.6	.1844	155.1	105.0	4.856

#1	-.0551	8429.	.0111	.3491	.1668	669.1	-.6717	-.9289	2.063
#2	-.0097	8442.	.2128	.1523	.0910	667.0	.0113	-.1546	2.064
#3	.0010	8428.	.1194	.3395	-.0932	666.9	-.0641	-.1764	2.242

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0276	5.779	.0296	-.4884	.0866	-.0018	.0369	-.0260
Stddev	.2248	.021	.0464	.6527	.0273	.1151	.0225	.0855
%RSD	815.8	.3552	156.6	133.6	31.56	6485.	61.02	329.2

#1	-.0169	5.756	.0343	-.5364	.0736	.1266	.0426	.0721
#2	-.1717	5.794	.0736	-.1116	.1179	-.0958	.0121	-.0846
#3	.2713	5.787	-.0189	-.1870	.0682	-.0362	.0560	-.0654

Raw Data MA59103 page 214 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-SD1 Acquired: 8/7/2025 17:02:51 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 250.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5260.1	78154.	20486.	3060.9
Stddev	13.3	281.	75.	10.0
%RSD	.25238	.35991	.36393	.32597

#1	5247.2	78477.	20469.	3054.3
#2	5259.4	78017.	20421.	3055.9
#3	5273.7	77967.	20567.	3072.3

Raw Data MA59103 page 215 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16540-2 Acquired: 8/7/2025 17:07:42 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0212	.6131	.0029	3.142	.0587	-.0027	-.0505	309.7	-.0049
Stddev	.0067	.3055	.0099	.033	.0014	.0013	.0202	1.5	.0065
%RSD	31.85	49.82	344.4	1.038	2.396	45.82	40.03	.4934	133.5

#1	-.0277	.3429	.0086	3.147	.0601	-.0013	-.0619	308.7	-.0107
#2	-.0142	.5519	-.0085	3.107	.0573	-.0033	-.0624	309.1	.0021
#3	-.0217	.9445	.0085	3.172	.0587	-.0036	-.0272	311.5	-.0060

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.2485	-.0166	.0235	.1031	.4209	285.2	.0800	925.9	.1265
Stddev	.1045	.0034	.0065	.0308	.1175	5.1	.0342	2.1	.0043
%RSD	42.07	20.26	27.43	29.91	27.91	1.796	42.72	.2304	3.390

#1	-.1415	-.0149	.0281	.1373	.4424	279.9	.0991	928.3	.1296
#2	-.3503	-.0204	.0263	.0943	.2941	285.7	.1003	924.3	.1283
#3	-.2536	-.0144	.0162	.0776	.5261	290.1	.0405	925.1	.1216

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	7897.	.0506	.2171	.0338	634.9	-.0327	-.0545	1.572
Stddev	.0122	.177	.0189	.0328	.0434	2.8	.0559	.0518	.050
%RSD	3255.	2.246	37.34	15.10	128.4	.4342	170.8	95.12	3.186

#1	-.0010	7714.	.0490	.2521	.0483	632.8	-.0931	-.1066	1.582
#2	-.0111	7909.	.0702	.1872	.0682	638.1	-.0172	-.0537	1.616
#3	.0132	8068.	.0325	.2119	-.0150	634.0	-.0223	-.0030	1.517

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0135	5.470	.0113	-.0404	.0004	-.0383	.0755	.0166
Stddev	.0092	.051	.0148	.1025	.0125	.0593	.0051	.0074
%RSD	68.19	.9393	131.2	253.9	2833.	154.9	6.767	44.27

#1	.0240	5.413	.0157	.0631	-.0050	-.0427	.0701	.0245
#2	.0096	5.484	.0235	-.0422	-.0084	.0231	.0802	.0100
#3	.0069	5.513	-.0052	-.1419	.0148	-.0952	.0762	.0153

Raw Data MA59103 page 216 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16540-2 Acquired: 8/7/2025 17:07:42 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5371.7	79293.	20439.	3096.1
Stddev	14.0	377.	195.	7.2
%RSD	.26022	.47547	.95418	.23329

#1	5386.6	78858.	20269.	3104.3
#2	5369.8	79524.	20397.	3093.0
#3	5358.8	79498.	20652.	3090.9

Raw Data MA59103 page 217 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16540-3 Acquired: 8/7/2025 17:12:42 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.124	-1.202	-0.0309	2.930	0.0572	-0.0021	-0.0942	296.5	-0.0116
Stddev	.0105	.2256	.0510	.005	.0032	.0017	.0992	2.8	.0077
%RSD	84.82	187.7	165.1	.1709	5.678	83.04	105.3	.9384	67.02

#1	-0.123	-1.1050	.0214	2.935	.0606	-.0008	-.0369	293.7	-.0031
#2	-0.228	-.3530	-.0805	2.925	.0570	-.0014	-.2087	296.4	-.0183
#3	-.0019	-.0974	-.0336	2.930	.0541	-.0040	-.0370	299.3	-.0133

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0597	-0.0043	.0028	.1253	-0.0410	277.4	.0715	884.8	.0075
Stddev	.1384	.0015	.0229	.0411	.1463	2.5	.0175	9.1	.0011
%RSD	231.9	34.38	820.1	32.77	356.4	.9102	24.48	1.026	14.10

#1	-.0575	-.0049	.0048	.0789	.1069	274.6	.0856	876.9	.0073
#2	.0777	-.0054	-.0211	.1569	-.0443	278.2	.0771	882.9	.0065
#3	-.1992	-.0026	.0246	.1402	-.1857	279.4	.0519	894.7	.0086

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0000	7643.	.0000	-0.0234	.0670	598.5	-0.0775	-1.191	1.276
Stddev	.0061	204.	.0086	.0111	.1105	1.1	.0907	.0872	.012
%RSD	863400.	2.675	88550.	47.24	165.0	.1847	117.0	73.26	.8996

#1	.0060	7587.	.0100	-.0353	.1919	598.9	-.1679	-.0763	1.264
#2	-.0062	7472.	-.0049	-.0134	-.0183	597.2	.0134	-.0615	1.278
#3	.0003	7869.	-.0051	-.0217	.0274	599.3	-.0780	-.2195	1.286

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0104	5.235	.0050	-0.0693	.0242	.0189	.4113	.0049
Stddev	.0060	.012	.0246	.1082	.0117	.0398	.0095	.0079
%RSD	57.66	.2352	490.2	156.1	48.39	210.9	2.301	161.5

#1	.0170	5.220	-.0200	.0069	.0147	-.0101	.4223	.0128
#2	.0088	5.243	.0293	-.0217	.0373	.0025	.4064	.0047
#3	.0054	5.241	.0058	-.1931	.0205	.0642	.4054	-.0029

Raw Data MA59103 page 218 of 267

7.1
7◀ Zoom In ▶
Zoom Out

Sample Name: JE16540-3 Acquired: 8/7/2025 17:12:42 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5363.7	79012.	20301.	3092.0
Stddev	13.1	190.	158.	8.1
%RSD	.24343	.24016	.77702	.26178

#1	5348.9	79158.	20303.	3082.6
#2	5373.4	78798.	20458.	3096.9
#3	5369.0	79081.	20143.	3096.4

Raw Data MA59103 page 219 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: CCV Acquired: 8/7/2025 17:17:44 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.492	40.82	2.014	1.996	2.073	2.031	1.954	40.99	2.043
Stddev	.0010	.02	.004	.008	.002	.001	.007	.16	.005
%RSD	.4190	.0469	.1916	.4232	.0765	.0425	.3534	.3841	.2639

#1	.2502	40.84	2.018	2.001	2.072	2.030	1.961	41.16	2.049
#2	.2493	40.80	2.010	1.986	2.075	2.031	1.947	40.95	2.039
#3	.2481	40.82	2.014	2.000	2.073	2.032	1.953	40.85	2.040

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.059	2.069	2.065	1.915	41.00	42.36	2.086	40.54	2.110
Stddev	.004	.005	.003	.003	.04	.03	.003	.18	.004
%RSD	.1983	.2199	.1201	.1502	.1009	.0662	.1457	.4470	.2016

#1	2.064	2.072	2.065	1.914	41.04	42.35	2.084	40.73	2.113
#2	2.057	2.071	2.067	1.913	40.96	42.34	2.090	40.52	2.112
#3	2.056	2.064	2.062	1.918	41.01	42.39	2.085	40.37	2.105

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.015	42.66	2.084	2.026	2.094	2.052	1.990	2.016	5.007
Stddev	.005	.03	.005	.009	.003	.013	.005	.010	.017
%RSD	.2284	.0791	.2237	.4519	.1481	.6403	.2767	.5039	.3315

#1	2.020	42.68	2.087	2.036	2.094	2.062	1.996	2.027	5.024
#2	2.014	42.62	2.086	2.022	2.097	2.037	1.985	2.014	4.991
#3	2.012	42.67	2.078	2.019	2.091	2.056	1.990	2.007	5.005

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

Raw Data MA59103 page 220 of 267

Sample Name: CCV Acquired: 8/7/2025 17:17:44 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.025	2.078	2.032	2.042	2.050	2.033	2.081	2.066
Stddev	.005	.059	.002	.004	.003	.004	.007	.003
%RSD	.2730	2.838	.0876	.1950	.1204	.2193	.3608	.1244
#1	2.026	2.133	2.032	2.043	2.051	2.038	2.086	2.068
#2	2.030	2.016	2.035	2.044	2.052	2.031	2.084	2.067
#3	2.019	2.085	2.031	2.037	2.047	2.030	2.072	2.063

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5365.2	76925.	20563.	2975.6
Stddev	9.8	328.	164.	6.0
%RSD	.18280	.42654	.79984	.20198

#1	5368.3	76723.	20379.	2974.8
#2	5373.0	76749.	20695.	2982.0
#3	5354.2	77304.	20615.	2970.1

Raw Data MA59103 page 221 of 267

Sample Name: CCB Acquired: 8/7/2025 17:22:22 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	-0.0049	-0.002	0.007	0.002	0.000	-0.011	-0.013	-0.000
Stddev	.0004	.0071	.0006	.0006	.0001	.0000	.0017	.0026	.0001
%RSD	93.32	146.4	112.1	13.73	78.66	121.7	153.6	199.3	718.9
#1	-0.009	-0.0120	-0.002	0.050	0.003	0.001	0.008	0.017	-0.001
#2	-0.000	-0.0049	-0.013	0.039	0.000	0.000	-0.018	-0.031	0.001
#3	-0.005	.0023	-0.002	0.051	0.002	-0.000	-0.024	-0.026	-0.001

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.047	-0.0004	-0.0000	-0.009	0.013	0.076	-0.006	-0.010	-0.000
Stddev	.0015	.0001	.0001	.0006	.0012	.0162	.0009	.0174	.0000
%RSD	31.95	35.35	160.0	61.83	98.99	28.07	144.1	1697.	237.6
#1	-0.061	-0.005	-0.001	-0.007	.0025	.0618	-0.001	.0153	-0.001
#2	-0.031	-0.004	.0000	-0.005	.0012	.0397	-0.016	-0.193	.0000
#3	-0.050	-0.002	-0.001	-0.016	.0000	.0712	-0.001	.0009	-0.000

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.013	.2299	0.000	-0.013	0.005	0.073	0.005	-0.007	0.132
Stddev	.0002	.0031	.0004	.0006	.0006	.0022	.0011	.0025	.0007
%RSD	19.24	1.343	737.0	47.55	106.7	29.85	208.4	342.5	5.259
#1	.0010	.2309	-0.001	-0.012	.0012	.0064	.0013	.0014	.0140
#2	.0014	.2324	-0.002	-0.007	.0001	.0098	-0.008	-0.001	.0130
#3	.0014	.2265	.0005	-0.019	.0003	.0057	.0011	-0.0034	.0126

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

Raw Data MA59103 page 222 of 267

Sample Name: CCB Acquired: 8/7/2025 17:22:22 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0001	.0004	-0.0005	.0005	.0006	.0002	-0.0000
Stddev	.0005	.0000	.0003	.0004	.0002	.0014	.0001	.0002
%RSD	87.65	45.30	75.02	84.43	40.56	241.7	88.04	1283.
#1	.0010	.0001	.0001	-0.007	.0005	.0005	.0003	-0.002
#2	.0007	.0001	.0004	-0.000	.0007	.0019	.0001	.0002
#3	.0000	.0001	.0007	-0.006	.0003	-0.008	.0000	.0000

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5216.5	77413.	21084.	3030.7
Stddev	15.1	198.	248	9.0
%RSD	.28908	.25556	1.1742	.29700

#1	5222.5	77582.	20929.	3036.8
#2	5199.4	77462.	20953.	3020.3
#3	5227.7	77195.	21369.	3034.9

Raw Data MA59103 page 223 of 267

Sample Name: JE16540-4 Acquired: 8/7/2025 17:27:15 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.007	.0211	-0.028	3.046	.0433	-0.013	.1002	287.3	.0014
Stddev	.0084	.1310	.0450	.015	.0043	.0023	.0576	.4	.0010
%RSD	1169.	621.9	216.7	.5011	9.900	175.9	57.50	.1416	71.26
#1	.0086	-0.0110	.0035	3.063	.0474	-0.038	.0392	286.9	.0024
#2	-0.0030	.1651	.0069	3.040	.0438	-0.007	.1079	287.3	.0004
#3	-0.0077	-0.0909	-0.0727	3.034	.0388	.0006	.1536	287.7	.0013

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.039	.0023	.0148	-0.0750	.0412	278.3	.0911	857.2	.0312
Stddev	.1056	.0099	.0155	.0403	.0427	1.9	.0314	1.4	.0015
%RSD	195.9	434.8	104.1	53.79	103.6	.6932	34.52	.1590	4.810
#1	.0389	.0049	.0265	-0.365	.0707	276.6	.1258	855.6	.0295
#2	-0.0318	-0.0087	.0207	-0.1169	-0.077	277.9	.0645	857.9	.0321
#3	-.1688	.0106	-0.027	-0.0714	.0605	280.4	.0830	858.0	.0321

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0331	.7524	.0231	.0215	-0.0270	607.9	-0.0478	-0.0305	1.259
Stddev	.0073	.65	.0152	.0733	.0115	1.3	.0240	.0279	.045
%RSD	21.98	.8593	66.01	341.1	42.71	.2153	50.28	91.34	3.591
#1	.0323	.7573.	.0235	-0.0212	-0.0169	609.3	-0.0296	-0.0026	1.289
#2	.0408	.7451.	.0076	-0.0204	-0.0395	606.7	-0.0750	-0.0583	1.280
#3	.0263	.7549.	.0380	.1062	-0.0244	607.6	-0.0387	-0.0306	1.207

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0099	5.205	.0186	-0.617	.0152	.0233	.0377	.0024
Stddev	.0190	.024	.0186	.1282	.0071	.0319	.0080	.0068
%RSD	190.7	.4528	99.66	207.8	46.82	136.8	21.34	281.0
#1	.0116	5.179	.0265	-0.1979	.0119	-0.0129	.0455	.0102
#2	.0280	5.209	.0320	-0.0566	.0233	.0472	.0380	-0.0004
#3	-0.0098	5.226	-0.0026	-0.0437	.0103	.0356	.0295	-0.0025

Raw Data MA59103 page 224 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16540-4 Acquired: 8/7/2025 17:27:15 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5458.2	80903.	21204.	3125.1
Stddev	15.6	273.	105.	8.8
%RSD	.28559	.33744	.49304	.28103
#1	5442.5	81025.	21085.	3116.5
#2	5473.7	80591.	21251.	3134.1
#3	5458.4	81094.	21278.	3124.6

Raw Data MA59103 page 225 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16540-5 Acquired: 8/7/2025 17:32:16 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0258	.0041	-.0334	3.106	.0580	-.0032	-.0066	290.2	-.0086
Stddev	.0188	.2720	.0816	.044	.0029	.0021	.0739	.7	.0028
%RSD	72.92	6572.	244.0	1.424	4.981	65.69	1121.	.2417	32.65
#1	.0474	.3175	.0605	3.094	.0556	-.0008	.0234	290.6	-.0091
#2	.0134	-.1708	-.0863	3.069	.0573	-.0045	-.0908	290.6	-.0056
#3	.0165	-.1343	-.0745	3.155	.0612	-.0044	-.0477	289.4	-.0111
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.2789	-.0152	.0089	-.0335	-.0154	277.2	.0607	858.0	.0165
Stddev	.0468	.0125	.0087	.0348	.0335	.3	.0190	3.6	.0035
%RSD	16.77	82.79	98.08	103.8	218.0	.1008	31.35	.4163	21.09
#1	-.3255	-.0244	-.0012	.0013	-.0530	277.5	.0403	858.3	.0205
#2	-.2320	-.0009	.0141	-.0336	.0115	277.1	.0779	861.4	.0139
#3	-.2791	-.0202	.0138	-.0683	-.0046	277.0	.0641	854.2	.0152
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0192	7560.	.0282	.0787	-.0409	608.9	-.0482	-.0714	1.582
Stddev	.0045	128.	.0133	.0926	.0577	.6	.0093	.0668	.040
%RSD	23.58	1.696	47.26	117.6	140.9	.1051	19.22	93.59	2.523
#1	.0191	7525.	.0133	.1684	-.0477	609.1	-.0588	-.0625	1.542
#2	.0238	7702.	.0325	.0845	.0199	608.2	-.0414	-.1422	1.622
#3	.0148	7452.	.0389	-.0166	-.0949	609.4	-.0445	-.0095	1.582
Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	.0029	5.203	.0362	-.0469	.0249	-.0082	.0416	.0025	
Stddev	.0720	.020	.0280	.0921	.0096	.0219	.0041	.0089	
%RSD	2485.	.3751	77.44	196.2	38.69	267.8	9.925	361.9	
#1	-.0479	5.197	.0582	-.0493	.0244	.0004	.0454	.0128	
#2	-.0287	5.187	.0046	-.1378	.0347	.0082	.0421	-.0027	
#3	.0853	5.225	.0457	.0463	.0155	-.0331	.0372	-.0026	

Raw Data MA59103 page 226 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16540-5 Acquired: 8/7/2025 17:32:16 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5420.4	80580.	21159.	3117.8
Stddev	10.3	355.	126.	8.9
%RSD	.18997	.44078	.59511	.28535
#1	5415.0	80968.	21258.	3108.0
#2	5414.0	80271.	21018.	3120.3
#3	5432.3	80501.	21203.	3125.3

Raw Data MA59103 page 227 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16541-1 Acquired: 8/7/2025 17:37:17 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0157	.2350	.0301	2.571	.0914	-.0033	.1579	226.6	-.0070
Stddev	.0049	.3498	.0729	.026	.0035	.0013	.0630	12.3	.0025
%RSD	31.00	148.8	242.3	1.024	3.865	38.47	39.89	5.410	36.29
#1	-.0213	-.0132	.0024	2.544	.0922	-.0048	.1076	215.1	-.0094
#2	-.0123	.0831	.1128	2.597	.0875	-.0027	.1376	225.1	-.0073
#3	-.0136	.6350	-.0250	2.571	.0944	-.0025	.2286	239.5	-.0043
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0350	-.0016	-.0055	-.0409	-.0104	210.6	.0623	568.2	.0011
Stddev	.2243	.0231	.0034	.0059	.0129	13.7	.0362	30.4	.0023
%RSD	641.8	1434.	61.74	14.36	123.4	6.481	58.10	5.355	195.9
#1	.1134	-.0229	-.0074	-.0344	.0030	198.4	.0311	541.0	-.0012
#2	.0748	.0230	-.0074	-.0458	-.0117	207.9	.1019	562.6	.0014
#3	-.2930	-.0049	-.0016	-.0426	-.0226	225.3	.0537	601.1	.0032
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	5229.	.0020	.0941	.0493	507.1	-.0684	-.0092	2.550
Stddev	.0124	311.	.0064	.0110	.0203	5.8	.0434	.0912	.063
%RSD	5398.	5.939	321.2	11.64	41.24	1.141	63.46	993.3	2.476
#1	-.0047	4937.	.0092	.0815	.0262	500.8	-.0755	.0143	2.488
#2	.0144	5196.	-.0031	.1004	.0647	508.3	-.0219	.0680	2.614
#3	-.0090	5555.	-.0001	.1005	.0569	512.2	-.1078	-.1098	2.547
Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	.0098	3.695	-.0068	-.0189	-.0023	-.0799	.0175	-.0009	
Stddev	.0332	.193	.0387	.0259	.0225	.0649	.0049	.0055	
%RSD	338.2	5.217	568.8	137.0	990.7	81.23	28.03	598.5	
#1	.0472	3.505	.0341	-.0073	.0184	-.0294	.0209	-.0049	
#2	-.0161	3.690	-.0427	-.0444	-.0262	-.0573	.0119	.0053	
#3	-.0017	3.891	-.0118	-.0196	.0010	-.1532	.0197	-.0032	

Raw Data MA59103 page 228 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-1 Acquired: 8/7/2025 17:37:17 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5382.2	80435.	21044.	3104.5
Stddev	6.1	187.	48.	4.7
%RSD	.11256	.23271	.22838	.15137

#1 5377.2 80514. 21094. 3099.1
#2 5389.0 80221. 21040. 3106.2
#3 5380.5 80569. 20998. 3108.0

Raw Data MA59103 page 229 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-2 Acquired: 8/7/2025 17:42:10 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0463	.1787	.0143	2.517	.0913	-0019	-0664	226.4	-0138
Stddev	.0225	.0850	.0069	.023	.0032	.0009	.0110	7.5	.0021
%RSD	48.61	47.55	48.51	.9096	3.470	49.08	16.53	3.317	15.43

#1 -.0268 .2191 .0209 2.490 .0877 -.0009 -.0544 218.9 -.0150
#2 -.0412 .0811 .0071 2.527 .0933 -.0019 -.0689 226.5 -.0150
#3 -.0709 .2360 .0149 2.533 .0930 -.0027 -.0759 233.9 -.0113

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0339	-0018	.0062	-0858	-0603	202.7	.0610	573.6	.0001
Stddev	.2839	.0136	.0114	.0422	.0663	10.2	.0459	17.6	.0018
%RSD	838.5	745.3	184.5	49.20	109.9	5.027	75.37	3.076	1291.

#1 .2489 .0004 -.0051 -.0795 -.0451 192.0 .0097 555.6 -.0016
#2 -.0316 -.0164 .0176 -.0471 -.1328 203.8 .0746 574.3 .0021
#3 -.3189 .0105 .0060 -.1309 -.0029 212.3 .0985 590.8 -.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0105	5141.	.0232	.1025	-0462	504.6	-0531	.0277	2.336
Stddev	.0260	.222.	.0131	.0185	.0430	5.8	.0274	.0470	.048
%RSD	248.9	4.326	56.30	18.03	93.06	1.150	51.69	170.0	2.038

#1 -.0181 4926. .0318 .0818 -.0290 498.7 -.0470 .0186 2.285
#2 .0329 5127. .0082 .1174 -.0144 505.0 -.0292 -.0142 2.380
#3 .0165 5370. .0296 .1082 -.0950 510.3 -.0830 .0785 2.341

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0165	3.696	.0274	-1845	.0334	-0287	.0333	-0156
Stddev	.0033	.119	.0128	.0388	.0060	.0671	.0104	.0078
%RSD	20.19	3.230	46.68	21.05	17.87	233.9	31.30	50.15

#1 -.0198 3.578 .0404 -.2109 .0336 -.1014 .0353 -.0070
#2 -.0166 3.693 .0270 -.1399 .0392 -.0154 .0427 -.0176
#3 -.0131 3.816 .0148 -.2028 .0273 .0308 .0221 -.0222

Raw Data MA59103 page 230 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-2 Acquired: 8/7/2025 17:42:10 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5348.6	79530.	20683.	3099.0
Stddev	16.6	261.	40.	8.1
%RSD	.31056	.32808	.19557	.26032

#1 5329.9 79794. 20711. 3089.8
#2 5361.6 79273. 20637. 3104.8
#3 5354.4 79524. 20701. 3102.4

Raw Data MA59103 page 231 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-3 Acquired: 8/7/2025 17:47:03 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0442	4.170	-0048	2.491	.0927	-0027	.0559	233.6	-0037
Stddev	.0179	.262	.0017	.035	.0064	.0035	.0905	5.8	.0054
%RSD	40.42	6.273	34.57	1.410	6.954	129.2	161.8	2.488	145.5

#1 -.0598 4.007 -.0029 2.507 .0856 -.0055 .0839 229.1 -.0066
#2 -.0480 4.471 -.0056 2.516 .0982 -.0038 .1291 231.6 -.0069
#3 -.0247 4.031 -.0060 2.451 .0944 .0012 -.0453 240.1 .0025

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1461	-0069	-0079	.0083	.1033	208.5	.0561	587.5	.0284
Stddev	.0542	.0065	.0097	.0356	.0990	7.9	.0428	14.9	.0025
%RSD	37.07	94.30	123.6	427.1	95.87	3.796	76.35	2.533	8.757

#1 -.2002 -.0142 .0006 .0377 .1726 .0009 .0820 577.2 .0279
#2 -.1461 -.0044 -.0185 -.0312 .1473 208.0 .0067 580.7 .0262
#3 -.0919 -.0020 -.0057 .0185 -.0101 216.7 .0797 604.5 .0311

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0099	5305.	.0041	.1601	.0375	516.3	-0210	-0909	2.043
Stddev	.0154	.191.	.0059	.0509	.0492	3.2	.0405	.1770	.028
%RSD	156.1	3.600	143.7	31.81	131.2	.6145	192.8	194.6	1.366

#1 -.0139 5138. .0050 .1628 -.0193 513.0 -.0161 -.0063 2.041
#2 .0072 5264. -.0022 2095 .0673 516.6 -.0188 .0279 2.016
#3 -.0229 5513. .0096 .1078 .0646 519.3 -.0637 -.2944 2.072

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0180	3.776	-0065	-0350	.0237	-0083	.0445	-0154
Stddev	.0338	.093	.0208	.0853	.0098	.0240	.0057	.0276
%RSD	188.0	2.454	319.5	243.9	41.20	289.1	12.78	178.8

#1 -.0169 3.695 .0174 -.0301 .0226 -.0336 .0414 .0114
#2 .0505 3.756 -.0167 .0478 .0340 -.0055 .0410 -.0437
#3 .0202 3.877 -.0203 -.1226 .0145 .0142 .0510 -.0140

Raw Data MA59103 page 232 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-3 Acquired: 8/7/2025 17:47:03 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5324.6	78825.	20641.	3088.3
Stddev	11.8	119.	88.	8.4
%RSD	.22137	.15126	.42642	.27071

#1	5313.2	78796.	20540.	3078.7
#2	5323.8	78957.	20702.	3092.4
#3	5336.7	78724.	20681.	3093.8

Raw Data MA59103 page 233 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-4 Acquired: 8/7/2025 17:51:55 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0225	.3007	-0.0022	2.242	.0942	-0.0025	.0381	232.9	-0.0179
Stddev	.0330	.1956	.0376	.046	.0049	.0027	.0974	5.3	.0049
%RSD	146.6	65.05	1735.	2.031	5.168	106.0	255.5	2.292	27.58

#1	-.0104	.3316	-.0225	2.190	.0907	.0005	.1177	227.7	-.0225
#2	-.0598	.0915	-.0252	2.269	.0922	-.0033	.0670	232.6	-.0127
#3	.0027	.4790	.0412	2.269	.0998	-.0047	-.0704	238.4	-.0185

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0782	.0001	-0.0029	-0.0184	.2221	213.1	.0544	587.4	.0035
Stddev	.2173	.0179	.0206	.0076	.0872	9.8	.0989	13.6	.0033
%RSD	277.9	19440.	707.1	41.37	39.25	4.591	181.9	2.311	93.90

#1	.2656	-.0190	.0165	-.0113	.1677	203.5	.1686	575.0	.0074
#2	-.1599	.0028	-.0006	-.0264	.3227	212.9	-.0039	585.4	.0012
#3	.1289	.0165	-.0246	-.0176	.1760	223.0	-.0015	601.9	.0021

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	5364.	.0107	.1285	.0649	458.4	-0.0014	-0.0514	2.087
Stddev	.0104	193.	.0099	.0432	.0451	2.0	.0528	.0707	.052
%RSD	3646.	3.594	91.75	33.62	69.51	4.391	3743.	137.4	2.499

#1	.0082	5170.	.0000	.1779	.0444	457.1	.0556	.0114	2.038
#2	.0042	5366.	.0194	.1097	.0337	457.5	-.0111	-.1280	2.142
#3	-.0115	5555.	.0128	.0979	.1167	460.7	-.0487	-.0378	2.082

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0523	3.754	.0054	-0.0433	-0.0014	-0.0626	.0348	-0.0099
Stddev	.0385	.096	.0070	.0896	.0145	.0497	.0050	.0085
%RSD	73.56	2.566	128.3	206.8	1034.	79.50	14.47	85.36

#1	-.0896	3.656	-.0026	.0536	.0069	-.0963	.0290	-.0002
#2	-.0128	3.758	.0092	-.0605	.0070	-.0860	.0373	-.0151
#3	-.0545	3.849	.0097	-.1230	-.0181	-.0054	.0381	-.0145

Raw Data MA59103 page 234 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-4 Acquired: 8/7/2025 17:51:55 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5339.0	78970.	20381.	3095.3
Stddev	20.3	313.	216.	13.1
%RSD	.38034	.39583	1.0608	.42250

#1	5361.3	78782.	20164.	3109.5
#2	5321.6	78796.	20597.	3083.7
#3	5334.0	79330.	20383.	3092.9

Raw Data MA59103 page 235 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-5 Acquired: 8/7/2025 17:56:47 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0174	.2396	-.0087	2.202	.1099	.0069	-.0668	242.7	-.0034
Stddev	.0155	.1309	.0930	.025	.0076	.0017	.0500	1.7	.0095
%RSD	89.20	54.61	1068.	1.117	6.924	25.07	74.82	.7155	281.6

#1	-.0034	.1055	-.1078	2.216	.1187	.0063	-.0624	244.7	.0055
#2	-.0147	.2463	.0049	2.217	.1059	.0056	-.1188	241.8	-.0133
#3	-.0340	.3670	.0767	2.174	.1052	.0089	-.0192	241.5	-.0022

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0547	-0.0005	.0095	.0068	.1456	229.8	.0588	607.8	.0093
Stddev	.0315	.0066	.0172	.0278	.0468	1.1	.0031	5.0	.0008
%RSD	57.66	1316.	180.0	407.8	32.11	.4915	5.355	.8195	8.591

#1	-.0293	.0071	-.0063	.0292	.1731	229.7	.0622	613.3	.0102
#2	-.0448	-.0034	.0071	.0156	.0916	228.7	.0561	606.6	.0093
#3	-.0900	-.0052	.0278	-.0243	.1721	230.9	.0579	603.5	.0085

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0146	5710.	.0176	.0439	.1056	454.0	-0.0531	-0.0756	1.912
Stddev	.0019	12.	.0275	.0513	.0643	2.6	.0342	.0487	.028
%RSD	12.81	.2083	156.3	116.7	60.89	.5643	64.33	64.49	1.449

#1	.0162	5724.	.0321	.0375	.0778	456.8	-.0401	-.1111	1.936
#2	.0125	5703.	.0349	-.0038	.0599	453.4	-.0919	-.0200	1.882
#3	.0150	5704.	-.0141	.0981	.1792	451.8	-.0274	-.0956	1.918

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0080	3.956	.0057	-0.0669	.0052	-0.0765	.0189	.0106
Stddev	.0153	.007	.0117	.0311	.0080	.0259	.0087	.0019
%RSD	191.5	.1753	207.7	46.51	155.1	33.84	45.94	17.92

#1	-.0256	3.948	.0185	-.0967	-.0029	-.0984	.0217	.0106
#2	.0009	3.961	.0030	-.0346	.0132	-.0833	.0092	.0125
#3	.0008	3.959	-.0045	-.0696	.0052	-.0479	.0258	.0087

Raw Data MA59103 page 236 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-5 Acquired: 8/7/2025 17:56:47 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5349.4	79473.	20821.	3088.9
Stddev	4.5	535.	318.	2.7
%RSD	.08384	.67284	1.5287	.08862

#1	5349.7	79591.	20459.	3086.4
#2	5344.8	79939.	20950.	3088.5
#3	5353.8	78889.	21055.	3091.8

Raw Data MA59103 page 237 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16233-2A 7 Acquired: 8/7/2025 18:01:39 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MP56406/TCLP

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0030	.9040	-0.0059	.0463	.1993	.0001	.0014	34.93	-0.0003
Stddev	.0019	.0390	.0006	.0032	.0085	.0002	.0022	1.34	.0005
%RSD	65.58	4.316	11.00	7.017	4.247	276.5	161.9	3.824	176.1

#1	-0.0052	.9468	-0.0051	.0494	.2080	.0002	-0.0002	36.25	-0.0009
#2	-0.0021	.8945	-0.0062	.0466	.1988	.0001	.0004	34.95	-0.0003
#3	-0.0016	.8705	-0.0063	.0429	.1910	-0.0001	.0039	33.58	.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0106	-0.0007	.0009	-0.0031	.5907	3.860	-0.0013	3.371	.0965
Stddev	.0048	.0004	.0011	.0006	.0264	.133	.0021	.151	.0036
%RSD	44.84	60.81	119.8	18.83	4.464	3.453	169.2	4.485	3.694

#1	.0097	-0.0002	.0008	-0.0030	.6105	3.873	-0.0017	3.542	.1000
#2	.0064	-0.0007	-0.0002	-0.0026	.6007	3.986	-0.0031	3.316	.0965
#3	.0158	-0.0010	.0020	-0.0037	.5608	3.720	.0010	3.255	.0929

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0007	F 1809.	.0052	.0850	.0110	2.090	.0024	-0.0062	2.425
Stddev	.0008	40.	.0016	.0047	.0071	.133	.0023	.0088	.242
%RSD	114.7	2.210	30.75	5.581	64.36	6.360	94.91	142.5	9.993

#1	-0.0015	1853.	.0054	.0904	.0077	2.229	-0.0001	.0018	2.679
#2	-0.0006	1797.	.0067	.0820	.0062	2.075	.0044	-0.0048	2.401
#3	.0001	1776.	.0035	.0825	.0192	1.965	.0029	-0.0156	2.196

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020	.1861	.0300	-0.0042	.0032	-0.0070	.5609	.0010
Stddev	.0067	.0067	.0032	.0099	.0006	.0025	.0535	.0008
%RSD	326.1	3.596	10.71	238.1	18.48	36.02	9.544	76.17

#1	-0.0014	.1926	.0334	-0.0154	.0037	-0.0098	.6167	.0017
#2	-0.0022	.1866	.0270	.0034	.0026	-0.0052	.5561	.0011
#3	.0097	.1792	.0295	-0.0005	.0034	-0.0059	.5100	.0002

Raw Data MA59103 page 238 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16233-2A 7 Acquired: 8/7/2025 18:01:39 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MP56406/TCLP

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5414.7	80428.	20510.	3136.3
Stddev	14.9	238.	22.	8.7
%RSD	.27500	.29536	.10693	.27827

#1	5423.0	80491.	20535.	3137.7
#2	5423.6	80165.	20503.	3144.2
#3	5397.5	80627.	20494.	3126.9

Raw Data MA59103 page 239 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16283-3 Acquired: 8/7/2025 18:06:39 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0023	.5720	.0012	.0411	.3022	.0004	.0019	73.82	-0.0011
Stddev	.0014	.0354	.0037	.0025	.0097	.0001	.0113	1.92	.0010
%RSD	61.08	6.195	302.0	6.188	3.203	21.42	606.6	2.595	85.87

#1	-0.0020	.6074	-0.0016	.0430	.3122	.0003	.0112	75.67	-0.0010
#2	-0.0011	.5721	-0.0002	.0420	.3016	.0005	-0.0108	73.94	-0.0002
#3	-0.0038	.5365	.0055	.0382	.2928	.0004	.0052	71.84	-0.0022

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0127	.0033	.0016	.0011	.3955	4.620	.0054	13.64	1.116
Stddev	.0050	.0014	.0018	.0022	.0127	.119	.0013	.33	.039
%RSD	39.62	41.57	113.5	200.1	3.221	2.568	24.37	2.446	3.455

#1	.0118	.0032	-0.0001	.0024	.3987	4.752	.0061	13.95	1.152
#2	.0181	.0019	.0013	.0023	.3814	4.521	.0039	13.68	1.121
#3	.0082	.0047	.0034	-0.0014	.4063	4.588	.0062	13.29	1.075

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	F 1526.	.0210	.0423	.0010	2.925	-0.0029	.0008	5.543
Stddev	.0007	27.	.0028	.0021	.0021	.079	.0033	.0096	.159
%RSD	49.64	1.740	13.35	5.000	195.5	2.688	115.1	1229.	2.863

#1	.0006	1556.	.0242	.0425	.0019	3.016	.0009	.0068	5.721
#2	.0018	1514.	.0188	.0401	.0025	2.878	-0.0053	-0.0103	5.492
#3	.0018	1507.	.0200	.0443	-0.0013	2.882	-0.0044	.0058	5.416

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.2491	.0055	.0045	.0024	-0.0075	.0836	.0002
Stddev	.0009	.0085	.0015	.0038	.0021	.0040	.0023	.0003
%RSD	535.5	3.401	27.02	84.46	87.57	53.39	2.756	133.7

#1	.0010	.2575	.0040	.0089	.0039	-0.0081	.0860	.0001
#2	.0002	.2492	.0055	.0030	-0.0000	-0.0111	.0834	.0005
#3	-0.0008	.2406	.0070	.0017	.0034	-0.0032	.0814	-0.0000

Raw Data MA59103 page 240 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16283-3 Acquired: 8/7/2025 18:06:39 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5379.6	78795.	20100.	3119.0
Stddev	27.7	236.	229.	16.3
%RSD	.51435	.29992	1.1405	.52404
#1	5353.4	79038.	20322.	3101.8
#2	5376.9	78566.	20112.	3121.0
#3	5408.5	78781.	19864.	3134.3

Raw Data MA59103 page 241 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16283-5 Acquired: 8/7/2025 18:11:39 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5417.5	80895.	20773.	3163.4
Stddev	16.5	190.	353.	5.4
%RSD	.30394	.23518	1.7004	.17073
#1	5435.4	81115.	20550.	3169.6
#2	5403.0	80786.	20589.	3159.9
#3	5414.0	80784.	21180.	3160.7

Raw Data MA59103 page 243 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16283-5 Acquired: 8/7/2025 18:11:39 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0039	.1501	-0.0040	.0734	.0855	.0000	.0008	29.86	-0.0012
Stddev	.0017	.0106	.0068	.0042	.0041	.0001	.0085	1.56	.0005
%RSD	45.21	7.033	170.6	5.775	4.805	720.7	1060.	5.232	41.70
#1	-.0019	.1566	-.0080	.0782	.0893	.0000	.0094	31.38	-.0007
#2	-.0044	.1557	.0038	.0718	.0860	-.0001	.0008	29.93	-.0012
#3	-.0052	.1379	-.0077	.0701	.0811	.0001	-.0077	28.26	-.0016
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0161	.0006	-0.0006	-0.0051	.0942	2.369	-0.0007	12.15	.1084
Stddev	.0246	.0014	.0004	.0033	.0046	.053	.0005	.65	.0052
%RSD	153.4	219.6	57.67	65.42	4.865	2.226	67.70	5.313	4.810
#1	-.0098	.0022	-.0008	-.0089	.0995	2.362	-.0002	12.76	.1135
#2	.0049	.0003	-.0002	-.0035	.0908	2.425	-.0007	12.20	.1085
#3	-.0432	-.0006	-.0008	-.0029	.0924	2.321	-.0012	11.47	.1031
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0008	F 1494.	.0137	.0361	.0064	3.063	.0036	-.0012	1.747
Stddev	.0006	57.	.0015	.0101	.0057	.105	.0038	.0050	.072
%RSD	76.53	3.815	11.14	27.93	89.84	3.438	107.3	406.7	4.143
#1	-.0007	1545.	.0144	.0469	.0048	3.183	.0035	.0004	1.828
#2	-.0002	1506.	.0120	.0268	.0016	3.018	-.0002	.0027	1.721
#3	-.0014	1433.	.0148	.0347	.0127	2.987	.0074	-.0069	1.691
Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	.0005	.1047	.0036	.0008	.0016	-0.0094	.1415	-0.0000	
Stddev	.0085	.0053	.0025	.0027	.0007	.0056	.0046	.0005	
%RSD	1788.	5.053	68.63	334.1	43.69	60.06	3.272	2148.	
#1	-.0090	.1102	.0046	-.0012	.0008	-.0125	.1467	.0005	
#2	.0029	.1043	.0008	.0038	.0018	-.0029	.1400	-.0001	
#3	.0075	.0996	.0055	-.0002	.0021	-.0127	.1378	-.0005	

Raw Data MA59103 page 242 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: CCV Acquired: 8/7/2025 18:16:38 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2417	39.44	1.920	1.916	2.019	1.963	1.863	39.79	1.958
Stddev	.0009	.02	.004	.003	.007	.004	.003	.004	.001
%RSD	.3772	.0393	.1997	.1354	.3357	.1791	.1553	.1749	.0397
#1	.2427	39.44	1.916	1.914	2.026	1.960	1.864	39.72	1.959
#2	.2409	39.46	1.922	1.919	2.019	1.967	1.860	39.81	1.957
#3	.2414	39.43	1.924	1.916	2.012	1.962	1.865	39.85	1.958

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.005	2.004	1.997	1.858	40.84	41.22	2.012	39.71	2.043
Stddev	.004	.001	.009	.003	.02	.06	.009	.16	.009
%RSD	.1726	.0348	.4471	.1500	.0432	.1417	.4240	.4139	.4582
#1	2.004	2.004	2.001	1.858	40.84	41.16	2.020	39.55	2.045
#2	2.002	2.003	2.004	1.855	40.86	41.27	2.014	39.70	2.051
#3	2.009	2.005	1.987	1.861	40.82	41.24	2.003	39.88	2.033

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.931	41.66	2.026	1.940	2.049	1.987	1.914	1.933	4.788
Stddev	.001	.07	.002	.005	.002	.002	.003	.004	.005
%RSD	.0309	.1704	.1209	.2723	.1136	.0758	.1380	.2015	.1040
#1	1.932	41.70	2.028	1.934	2.048	1.986	1.912	1.929	4.782
#2	1.931	41.69	2.023	1.943	2.047	1.989	1.914	1.937	4.792
#3	1.932	41.57	2.027	1.942	2.051	1.987	1.917	1.932	4.790

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

Raw Data MA59103 page 244 of 267

Sample Name: CCV Acquired: 8/7/2025 18:16:38 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.940	2.003	1.963	1.987	1.986	1.957	1.999	1.997
Stddev	.001	.057	.004	.005	.006	.004	.002	.005
%RSD	.0438	2.864	.2079	.2416	.3068	.2117	.0814	.2408

#1	1.940	2.017	1.964	1.981	1.989	1.960	1.997	1.998
#2	1.939	1.939	1.966	1.989	1.989	1.952	1.999	2.001
#3	1.941	2.051	1.958	1.990	1.979	1.959	2.001	1.992

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5490.0	78769.	20661.	3086.8
Stddev	4.7	529.	47.	.2
%RSD	.08643	.67103	.22513	.00725

#1	5485.5	78838.	20712.	3086.5
#2	5495.0	78210.	20649.	3086.9
#3	5489.5	79260.	20621.	3086.9

Raw Data MA59103 page 245 of 267

Sample Name: CCB Acquired: 8/7/2025 18:21:15 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.006	-0.029	-0.001	.0034	.0002	.0001	.0013	-0.0034	.0001
Stddev	.0001	.0021	.0016	.0007	.0001	.0000	.0020	.0011	.0001
%RSD	15.71	71.56	1298.	20.94	21.55	18.53	156.7	32.37	125.5

#1	-0.007	-0.046	.0012	.0042	.0002	.0001	.0021	-0.0045	-0.0000
#2	-0.006	-0.035	-0.018	.0027	.0002	.0002	.0028	-0.0023	.0002
#3	-0.006	-0.006	.0002	.0034	.0003	.0001	-0.0010	-0.0035	.0001

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0000	.0002	.0004	.0009	.0128	-0.0005	-0.0033	.0002
Stddev	.0036	.0001	.0001	.0004	.0009	.0211	.0005	.0040	.0000
%RSD	1497.	385.5	79.83	114.8	100.0	164.2	83.64	123.1	22.19

#1	.0038	.0001	.0000	.0004	.0002	.0053	-0.0009	-0.0036	.0002
#2	-0.031	-0.001	.0002	-0.001	.0020	-0.034	-0.0007	-0.0071	.0001
#3	-0.014	.0001	.0003	.0007	.0006	.0366	-0.0000	.0009	.0001

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.1928	.0002	.0026	.0001	.0017	-0.0007	-0.0113	.0112
Stddev	.0001	.0062	.0002	.0005	.0017	.0012	.0010	.0004	.0009
%RSD	6.324	3.233	69.40	17.89	2814.	72.69	148.5	30.52	8.317

#1	.0010	.1964	.0003	.0027	.0009	.0031	-0.0006	-0.0010	.0122
#2	.0009	.1856	.0001	.0030	.0012	.0009	-0.0017	-0.0018	.0110
#3	.0009	.1964	.0004	.0021	-0.0019	.0010	.0003	-0.0011	.0104

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

Raw Data MA59103 page 246 of 267

Sample Name: CCB Acquired: 8/7/2025 18:21:15 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0008	.0001	.0009	-0.0053	.0002	-0.0001	.0002	.0003
Stddev	.0005	.0001	.0004	.0015	.0003	.0003	.0000	.0001
%RSD	80.19	46.32	38.63	29.02	135.3	333.0	8.051	38.76

#1	-0.0007	.0002	.0013	-0.0051	.0002	-0.0005	.0002	.0002
#2	-0.0001	.0001	.0006	-0.0069	.0005	.0001	.0002	.0004
#3	-0.0009	.0001	.0009	-0.0038	-0.0001	.0001	.0002	.0002

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5286.4	79035.	21363.	3107.2
Stddev	10.1	455.	148.	10.2
%RSD	.19054	.57583	.69101	.32798

#1	5280.9	79364.	21435.	3108.3
#2	5298.0	78515.	21193.	3116.8
#3	5280.3	79226.	21461.	3096.5

Raw Data MA59103 page 247 of 267

Sample Name: MP56401-MB1 7 Acquired: 8/7/2025 18:26:10 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	.3165	.0002	.0031	.0001	-0.0000	-0.0004	.0147	.0001
Stddev	.0002	.0101	.0019	.0002	.0000	.0000	.0014	.0012	.0001
%RSD	46.47	3.187	1099.	5.436	17.83	370.5	402.6	7.897	222.7

#1	-0.0003	.3079	-0.0005	.0030	.0001	-0.0000	.0013	.0160	.0001
#2	-0.0003	.3140	-0.0013	.0030	.0001	-0.0001	-0.0010	.0138	-0.0001
#3	-0.0006	.3276	.0023	.0033	.0001	-0.0000	-0.0013	.0143	.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	-0.002	.0001	-0.0008	.0112	.0238	-0.0009	.0062	.0002
Stddev	.0028	.0002	.0003	.0002	.0026	.0107	.0007	.0005	.0000
%RSD	67.55	123.1	292.1	31.62	23.16	45.01	87.54	8.619	21.61

#1	-0.0018	-0.0003	.0005	-0.0010	.0135	.0332	-0.0013	.0063	.0001
#2	-0.0072	.0001	-0.0001	-0.0005	.0117	.0121	-0.0012	.0056	.0001
#3	-0.0033	-0.0002	-0.0000	-0.0007	.0084	.0260	.0000	.0066	.0002

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.1895	.0002	.0018	.0006	.0129	-0.0005	-0.0002	.0186
Stddev	.0003	.0118	.0003	.0011	.0001	.0011	.0016	.0005	.0006
%RSD	47.27	6.237	123.1	57.55	12.20	8.670	295.3	295.6	3.092

#1	.0005	.1898	.0005	.0031	.0007	.0118	-0.0020	.0004	.0189
#2	.0009	.2012	.0003	.0012	.0007	.0140	.0011	-0.0004	.0189
#3	.0004	.1775	-0.0001	.0013	.0006	.0131	-0.0007	-0.0005	.0179

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0000	.0002	-0.0020	.0004	-0.0011	.0019	-0.0001
Stddev	.0003	.0001	.0006	.0001	.0003	.0011	.0001	.0000
%RSD	88.33	170.1	285.8	4.655	87.42	102.5	6.214	45.37

#1	.0003	.0001	.0002	-0.0019	.0000	-0.0022	.0020	-0.0001
#2	.0001	.0000	.0008	-0.0019	.0007	.0001	.0019	-0.0000
#3	.0008	-0.0000	-0.0004	-0.0021	.0005	-0.0012	.0018	-0.0000

Raw Data MA59103 page 248 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56401-MB1 7 Acquired: 8/7/2025 18:26:10 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5320.2	79641.	21879.	3107.3
Stddev	10.9	484.	264.	7.3
%RSD	.20401	.60802	1.2088	.23519

#1	5330.4	80121.	22100.	3115.5
#2	5308.8	79648.	21952.	3101.3
#3	5321.5	79153.	21586.	3105.3

Raw Data MA59103 page 249 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56401-MB2 Acquired: 8/7/2025 18:31:06 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0008	-.0008	.0034	.0003	-.0000	.0020	.0151	-.0000
Stddev	.0002	.0036	.0002	.0000	.0001	.0000	.0010	.0010	.0002
%RSD	117.3	454.3	26.66	1.199	27.18	529.2	49.94	6.692	1202.

#1	.0002	-.0008	-.0005	.0034	.0003	.0000	.0031	.0160	-.0001
#2	.0004	.0050	-.0009	.0034	.0003	-.0000	.0017	.0140	.0002
#3	-.0000	-.0018	-.0009	.0033	.0002	-.0000	.0012	.0154	-.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024	-.0001	.0001	-.0020	.0050	.0123	-.0004	.0104	.0002
Stddev	.0044	.0002	.0004	.0002	.0011	.0276	.0012	.0063	.0000
%RSD	181.1	350.2	322.8	9.272	22.74	224.2	266.5	60.50	12.48

#1	.0045	.0001	-.0001	-.0019	.0062	-.0139	.0006	.0159	.0002
#2	-.0026	-.0000	.0005	-.0022	.0048	.0412	-.0017	.0036	.0002
#3	.0055	-.0002	-.0001	-.0020	.0040	.0097	-.0003	.0117	.0002

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0000	.1553	.0001	.0026	.0010	.0043	-.0005	-.0009	.0124
Stddev	.0002	.0077	.0007	.0014	.0022	.0008	.0015	.0015	.0002
%RSD	605.8	4.958	515.4	51.69	222.2	17.90	325.9	157.5	1.729

#1	-.0001	.1635	.0008	.0024	.0027	.0051	.0002	.0006	.0125
#2	.0002	.1483	.0001	.0014	.0018	.0037	-.0022	-.0023	.0122
#3	-.0001	.1542	-.0005	.0041	-.0015	.0039	.0006	-.0010	.0125

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0000	-.0002	-.0009	.0002	-.0021	.0027	.0003
Stddev	.0015	.0001	.0002	.0002	.0001	.0012	.0001	.0001
%RSD	730.7	164.4	124.8	28.22	25.33	59.01	4.309	36.81

#1	-.0014	.0001	-.0000	-.0011	.0003	-.0034	.0027	.0003
#2	.0016	.0000	-.0004	-.0009	.0002	-.0016	.0027	.0003
#3	.0005	-.0000	-.0001	-.0006	.0002	-.0012	.0029	.0002

Raw Data MA59103 page 250 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56401-MB2 Acquired: 8/7/2025 18:31:06 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5366.9	81372.	22365.	3125.3
Stddev	12.5	100.	161.	7.7
%RSD	.23372	.12283	.72030	.24642

#1	5374.2	81467.	22270.	3132.2
#2	5374.0	81381.	22275.	3126.6
#3	5352.4	81268.	22551.	3117.0

Raw Data MA59103 page 251 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56401-B1 Acquired: 8/7/2025 18:36:00 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2539	24.30	1.926	1.882	1.951	1.916	-.0072	24.40
Stddev	.0002	.01	.003	.004	.003	.003	.0021	.05
%RSD	.0850	.0451	.1685	.2175	.1706	.1399	28.94	.1968

#1	.2537	24.29	1.924	1.880	1.950	1.913	-.0068	24.36
#2	.2541	24.31	1.923	1.878	1.955	1.917	-.0054	24.38
#3	.2540	24.29	1.929	1.886	1.949	1.918	-.0095	24.45

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.923	.0005	1.977	1.943	1.810	24.66	25.39	-.0006
Stddev	.003	.0017	.002	.002	.003	.07	.10	.0003
%RSD	.1772	324.5	.1024	.1237	.1751	.2737	.4024	52.18

#1	1.920	.0014	1.975	1.944	1.810	24.60	25.34	-.0003
#2	1.924	.0016	1.977	1.941	1.813	24.64	25.32	-.0006
#3	1.927	-.0014	1.979	1.945	1.806	24.73	25.51	-.0009

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.89	1.967	1.905	25.62	1.994	-.0052	1.988	-.0101
Stddev	.07	.003	.003	.03	.003	.0014	.000	.0003
%RSD	.3092	.1600	.1655	.1171	.1506	25.83	.0197	2.509

#1	23.87	1.964	1.902	25.58	1.994	-.0063	1.988	-.0104
#2	23.84	1.968	1.905	25.63	1.992	-.0037	1.988	-.0099
#3	23.98	1.970	1.909	25.64	1.997	-.0057	1.989	-.0100

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.895	1.919	.0059	1.906	1.957	1.915	W 1.940	1.921
Stddev	.005	.003	.0005	.003	.051	.002	.005	.002
%RSD	.2886	.1439	8.019	.1734	2.579	.1259	.2376	.1098

#1	1.890	1.917	.0064	1.904	1.909	1.913	1.936	1.920
#2	1.896	1.918	.0054	1.910	2.010	1.915	1.939	1.920
#3	1.901	1.922	.0060	1.905	1.951	1.917	1.945	1.924

Raw Data MA59103 page 252 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56401-B1 Acquired: 8/7/2025 18:36:00 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	W_2079 ppm	Zn2062 ppm	Zr3391 ppm
Avg	1.876	1.984	1.935
Stddev	.006	.003	.002
%RSD	.2989	.1315	.0838

#1	1.870	1.981	1.934
#2	1.878	1.986	1.937
#3	1.881	1.985	1.936

Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5486.8	80102.	22011.	3080.6
Stddev	20.8	384.	87.	12.1
%RSD	.37977	.47952	.39425	.39403

#1	5510.5	80542.	22026.	3094.0
#2	5471.2	79836.	22090.	3070.4
#3	5478.8	79927.	21919.	3077.3

Raw Data MA59103 page 253 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56401-B2 Acquired: 8/7/2025 18:40:44 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm
Avg	2512	23.81	1.905	1.862	1.927	1.887	-0.080	23.82
Stddev	.0008	.03	.004	.005	.001	.001	.0010	.14
%RSD	.3274	.1457	.1930	.2572	.0528	.0472	13.16	.5832

#1	2520	23.78	1.908	1.867	1.928	1.886	-0.068	23.67
#2	2512	23.81	1.901	1.858	1.926	1.888	-0.086	23.93
#3	2504	23.85	1.907	1.862	1.928	1.888	-0.086	23.88

Elem Units	Cd2288 ppm	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm
Avg	1.901	-0.023	1.951	1.919	1.796	24.35	24.96	-0.016
Stddev	.003	.0029	.003	.004	.005	.03	.00	.0004
%RSD	.1341	124.7	.1270	.1912	.2714	.1325	.0067	25.24

#1	1.902	-0.003	1.954	1.922	1.797	24.32	24.96	-0.018
#2	1.898	-0.057	1.949	1.915	1.800	24.38	24.96	-0.019
#3	1.903	-0.010	1.950	1.920	1.791	24.35	24.96	-0.012

Elem Units	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm
Avg	23.28	1.942	1.884	25.25	1.970	-0.050	1.969	-0.115
Stddev	.19	.004	.005	.01	.002	.0012	.005	.0008
%RSD	.8076	.2270	.2676	.0206	.0808	24.17	.2463	6.986

#1	23.07	1.946	1.890	25.24	1.971	-0.056	1.965	-0.105
#2	23.43	1.942	1.880	25.25	1.968	-0.036	1.974	-0.119
#3	23.33	1.938	1.882	25.25	1.971	-0.057	1.968	-0.119

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm
Avg	1.874	1.890	.0108	1.878	1.933	1.898	W 1.905	1.899
Stddev	.004	.006	.0008	.002	.084	.001	.006	.003
%RSD	.1867	.3211	7.084	.1222	4.342	.0353	.3430	.1535

#1	1.877	1.894	.0108	1.881	1.842	1.898	1.912	1.902
#2	1.870	1.883	.0100	1.877	1.951	1.897	1.903	1.897
#3	1.876	1.892	.0116	1.877	2.007	1.898	1.899	1.898

Raw Data MA59103 page 254 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56401-B2 Acquired: 8/7/2025 18:40:44 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	W_2079 ppm	Zn2062 ppm	Zr3391 ppm
Avg	1.916	1.946	1.919
Stddev	.002	.001	.006
%RSD	.1132	.0465	.3194

#1	1.914	1.947	1.923
#2	1.917	1.946	1.923
#3	1.918	1.945	1.912

Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5494.4	80787.	22493.	3093.9
Stddev	17.0	127.	229.	8.0
%RSD	.30964	.15774	1.0180	.25807

#1	5506.7	80700.	22755.	3100.1
#2	5501.6	80727.	22331.	3096.8
#3	5475.0	80933.	22393.	3084.9

Raw Data MA59103 page 255 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16518-1 Acquired: 8/7/2025 18:45:28 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm	Cd2288 ppm
Avg	-0.013	94.24	.0072	.0294	1.389	.0029	-0.081	71.62	.0006
Stddev	.0005	.21	.0009	.0002	.003	.0000	.0005	.19	.0001
%RSD	36.45	.2230	12.26	.5586	.2206	1.685	6.395	.2665	22.27

#1	-0.018	94.00	.0081	.0293	1.385	.0028	-0.086	71.42	.0007
#2	-0.009	94.40	.0071	.0292	1.391	.0029	-0.075	71.80	.0006
#3	-0.011	94.32	.0063	.0295	1.390	.0029	-0.082	71.65	.0005

Elem Units	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm	Mg2790 ppm	Mn2576 ppm
Avg	.2911	.0633	.1537	.1224	151.2	51.98	.1280	62.35	2.275
Stddev	.0013	.0003	.0001	.0006	.4	.10	.0004	.16	.006
%RSD	.4465	.4794	.0469	.4648	.2761	.1884	.3121	.2491	.2515

#1	.2900	.0634	.1537	.1229	150.8	51.87	.1279	62.18	2.281
#2	.2908	.0630	.1538	.1225	151.6	52.03	.1284	62.48	2.274
#3	.2926	.0636	.1537	.1217	151.3	52.05	.1277	62.39	2.270

Elem Units	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm
Avg	.0074	25.45	.1227	2.868	.0395	8.123	-0.026	.0081	13.73
Stddev	.0002	.04	.0003	.012	.0007	.019	.0006	.0021	.02
%RSD	2.383	.1670	.2163	.4049	1.801	.2367	21.21	25.65	.1419

#1	.0073	25.40	.1229	2.856	.0398	8.104	-0.030	.0070	13.72
#2	.0074	25.48	.1224	2.869	.0387	8.122	-0.020	.0067	13.75
#3	.0076	25.46	.1228	2.879	.0401	8.143	-0.028	.0104	13.71

Elem Units	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	W_2079 ppm	Zn2062 ppm	Zr3391 ppm
Avg	.0173	.2178	F 10.31	.0021	.2182	-0.0002	.6263	.0174
Stddev	.0009	.0003	.00	.0022	.0002	.0016	.0011	.0000
%RSD	5.391	.1189	.0262	102.2	.0848	656.3	.1812	.2522

#1	.0173	.2176	10.31	.0007	.2184	.0010	.6254	.0174
#2	.0163	.2178	10.31	.0011	.2180	-0.0020	.6258	.0174
#3	.0182	.2181	10.32	.0046	.2181	.0003	.6276	.0175

Raw Data MA59103 page 256 of 267

Sample Name: JE16518-1 Acquired: 8/7/2025 18:45:28 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5454.2	79977.	21993.	3047.8
Stddev	5.9	205.	100.	7.5
%RSD	.10813	.25612	.45632	.24710
#1	5459.4	80085.	22108.	3056.4
#2	5447.8	79741.	21928.	3042.2
#3	5455.4	80105.	21941.	3044.9

Raw Data MA59103 page 257 of 267

Sample Name: JE16344-1A Acquired: 8/7/2025 18:50:16 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MP56406/TCLP

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0048	3.071	.0552	.0687	.1604	.0002	-0024	46.78	-0009
Stddev	.0033	.310	.0126	.0070	.0089	.0001	.0027	2.63	.0007
%RSD	68.88	10.08	22.85	10.17	5.557	62.69	112.6	5.624	79.77
#1	-.0058	3.403	.0668	.0759	.1696	.0001	-.0030	49.44	-.0016
#2	-.0011	3.021	.0569	.0683	.1597	.0001	.0005	46.74	-.0007
#3	-.0074	2.790	.0418	.0619	.1518	.0003	-.0048	44.17	-.0003
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1159	.0094	.0071	-.0136	18.59	3.273	.0190	2.143	.3577
Stddev	.0065	.0037	.0028	.0026	1.07	.153	.0012	.115	.0168
%RSD	5.586	39.71	39.06	18.88	5.749	4.661	6.476	5.367	4.696
#1	.1225	.0127	.0095	-.0120	19.66	3.357	.0177	2.245	.3739
#2	.1096	.0100	.0077	-.0165	18.59	3.365	.0191	2.165	.3588
#3	.1156	.0054	.0041	-.0122	17.52	3.097	.0202	2.018	.3404
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0090	F 2017.	.1019	.1046	.0075	14.97	.0943	-.0002	.8875
Stddev	.0012	100.	.0168	.0179	.0037	2.46	.0238	.0075	.1516
%RSD	13.72	4.954	16.53	17.09	48.90	16.40	25.27	4570.	17.08
#1	.0102	2124.	.1191	.1212	.0102	17.42	.1216	-.0019	1.035
#2	.0088	1999.	.1012	.1068	.0089	14.99	.0837	-.0066	.8955
#3	.0078	1927.	.0854	.0857	.0033	12.51	.0776	.0080	.7322
Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	.0026	.3211	.0055	-.0237	.0080	-.0049	.0989	.0079	
Stddev	.0039	.0184	.0015	.0105	.0025	.0043	.0169	.0010	
%RSD	149.5	5.732	27.06	44.50	31.16	87.47	17.09	13.30	
#1	-.0009	.3395	.0039	-.0116	.0108	-.0077	.1153	.0090	
#2	.0069	.3212	.0069	-.0284	.0074	.0000	.0999	.0069	
#3	.0019	.3027	.0058	-.0311	.0059	-.0072	.0815	.0077	

Raw Data MA59103 page 258 of 267

Sample Name: JE16344-1A Acquired: 8/7/2025 18:50:16 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MP56406/TCLP

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5448.7	83146.	21800.	3147.3
Stddev	23.6	442.	38.	10.6
%RSD	.43270	.53206	.17225	.33658
#1	5471.0	83548.	21788.	3156.3
#2	5451.1	83218.	21842.	3150.0
#3	5424.0	82672.	21771.	3135.6

Raw Data MA59103 page 259 of 267

Sample Name: JE16361-1 Acquired: 8/7/2025 18:55:16 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0030	.0624	.0003	.0518	.0388	-0001	-0019	25.75	-0006
Stddev	.0018	.0426	.0039	.0066	.0018	.0001	.0024	1.57	.0000
%RSD	57.72	68.26	1506.	12.81	4.534	230.9	124.9	6.084	5.649
#1	-.0017	.0225	-.0040	.0588	.0404	-.0002	.0008	27.32	-.0007
#2	-.0050	.0574	.0010	.0509	.0390	.0001	-.0027	25.76	-.0006
#3	-.0024	.1073	.0038	.0456	.0369	-.0001	-.0038	24.18	-.0006
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0127	.0016	.0005	.0121	.0640	3.954	-.0021	2.549	.0346
Stddev	.0126	.0011	.0013	.0025	.0016	.232	.0034	.107	.0017
%RSD	99.26	65.55	292.1	20.76	2.465	5.873	165.8	4.201	4.829
#1	.0192	.0026	.0019	.0101	.0651	4.174	-.0039	2.652	.0363
#2	.0208	.0005	-.0006	.0113	.0622	3.978	-.0042	2.555	.0345
#3	-.0018	.0018	.0000	.0150	.0647	3.711	.0019	2.439	.0330
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	F 1782.	.0035	.0546	.0002	.6664	-.0006	-.0048	.6767
Stddev	.0013	139.	.0006	.0020	.0053	.0358	.0080	.0029	.1143
%RSD	85.88	7.777	15.90	3.718	3532.	5.369	1282.	59.59	16.88
#1	.0001	1942.	.0037	.0568	.0057	.7000	.0049	-.0080	.7898
#2	.0027	1708.	.0039	.0541	-.0004	.6705	-.0098	-.0023	.6790
#3	.0016	1696.	.0028	.0528	-.0049	.6288	.0030	-.0043	.5613
Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-.0003	.1494	.0029	-.0071	.0014	-.0022	.0183	.0004	
Stddev	.0057	.0093	.0020	.0117	.0015	.0034	.0033	.0005	
%RSD	1960.	6.254	68.48	164.9	103.9	156.4	17.80	131.9	
#1	-.0031	.1585	.0009	-.0069	.0008	-.0061	.0219	-.0002	
#2	-.0040	.1497	.0030	-.0188	.0004	-.0001	.0176	.0007	
#3	.0063	.1399	.0049	.0045	.0031	-.0003	.0155	.0007	

Raw Data MA59103 page 260 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16361-1 Acquired: 8/7/2025 18:55:16 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5458.8	82193.	21273.	3170.6
Stddev	20.9	379.	93.	8.2
%RSD	.38358	.46115	.43611	.25802

#1	5482.9	82622.	21170.	3180.0
#2	5446.9	82055.	21348.	3165.1
#3	5446.5	81903.	21303.	3166.6

Raw Data MA59103 page 261 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16361-2 Acquired: 8/7/2025 19:00:17 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.015	.0250	.0015	.0418	.1121	-0.001	.0107	706.4
Stddev	.0011	.0126	.0006	.0026	.0108	.0002	.0070	66.5
%RSD	73.38	50.43	37.54	6.171	9.600	205.2	65.98	9.407

#1	-.0028	.0240	.0021	.0447	.1230	.0000	.0188	775.1
#2	-.0009	.0130	.0012	.0409	.1119	-.0003	.0060	701.9
#3	-.0008	.0382	.0011	.0398	.1015	-.0000	.0072	642.4

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -0.0070	-0.0150	-0.0017	.0069	-0.0043	.1171	14.77	.0014
Stddev	.0011	.0135	.0007	.0007	.0009	.0055	1.03	.0052
%RSD	15.16	89.74	42.27	10.26	21.39	4.671	6.968	381.5

#1	-.0081	.0005	-.0009	.0061	-.0053	.1232	15.82	.0072
#2	-.0070	-.0242	-.0019	.0070	-.0040	.1155	14.71	-.0006
#3	-.0060	-.0213	-.0023	.0075	-.0035	.1126	13.76	-.0026

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.156	.0098	.0040	F 1933.	.0039	.0743	.0001	3.040
Stddev	.818	.0007	.0006	163.	.0017	.0112	.0029	.333
%RSD	8.934	6.969	15.67	8.452	43.16	15.09	3521.	10.95

#1	9.994	.0105	.0035	2103.	.0057	.0846	.0010	3.381
#2	9.116	.0099	.0038	1920.	.0023	.0760	-.0032	3.024
#3	8.360	.0091	.0047	1777.	.0038	.0624	.0024	2.716

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	-0.0058	4.435	-0.0064	7.966	.0013	-0.0048	.0123
Stddev	.0013	.0069	.597	.0009	.860	.0002	.0120	.0012
%RSD	123.8	119.8	13.47	14.01	10.80	12.84	248.9	9.929

#1	.0003	.0001	5.049	-.0066	8.879	.0015	-.0185	.0137
#2	.0025	-.0134	4.400	-.0071	7.850	.0011	.0041	.0120
#3	.0002	-.0039	3.856	-.0054	7.170	.0013	-.0001	.0113

Raw Data MA59103 page 262 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16361-2 Acquired: 8/7/2025 19:00:17 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	.0026	-0.0084	.0020
Stddev	.0036	.0010	.0007
%RSD	136.8	11.86	35.33

#1	.0034	-.0093	.0021
#2	-.0013	-.0086	.0012
#3	.0057	-.0074	.0026

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5489.8	81846.	20853.	3168.5
Stddev	21.6	301.	141.	11.9
%RSD	.39305	.36837	.67748	.37575

#1	5492.8	81958.	20707.	3165.1
#2	5509.7	82075.	20989.	3181.7
#3	5466.9	81504.	20864.	3158.7

Raw Data MA59103 page 263 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: CCV Acquired: 8/7/2025 19:05:30 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2399	38.91	1.959	1.946	2.000	1.934	1.892	38.64	1.973
Stddev	.0011	.07	.007	.009	.002	.002	.012	.21	.006
%RSD	.4778	.1671	.3405	.4895	.0907	.0952	.6166	.5394	.2882

#1	.2409	38.98	1.955	1.942	2.002	1.936	1.888	38.85	1.967
#2	.2387	38.90	1.955	1.940	2.000	1.932	1.883	38.64	1.972
#3	.2403	38.85	1.967	1.957	1.998	1.935	1.905	38.43	1.979

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.974	1.995	1.959	1.857	39.31	40.69	2.014	37.99	2.004
Stddev	.005	.002	.003	.001	.06	.12	.005	.27	.004
%RSD	.2656	.0961	.1509	.0596	.1489	.2977	.2320	.7087	.2212

#1	1.971	1.993	1.963	1.857	39.37	40.66	2.018	38.27	2.002
#2	1.972	1.997	1.958	1.858	39.25	40.59	2.014	37.98	2.000
#3	1.981	1.994	1.957	1.856	39.32	40.83	2.009	37.73	2.009

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.936	41.06	2.012	1.968	2.011	2.009	1.933	1.970	4.876
Stddev	.004	.01	.002	.005	.003	.010	.006	.007	.016
%RSD	.1935	.0357	.1147	.2415	.1462	.5183	.3255	.3484	.3296

#1	1.932	41.07	2.009	1.963	2.011	2.000	1.929	1.969	4.867
#2	1.936	41.05	2.013	1.971	2.014	2.006	1.929	1.964	4.867
#3	1.939	41.07	2.013	1.972	2.008	2.020	1.940	1.978	4.895

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

Raw Data MA59103 page 264 of 267

Sample Name: CCV Acquired: 8/7/2025 19:05:30 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.939	1.957	1.938	1.969	1.955	1.954	1.989	1.969
Stddev	.004	.004	.001	.007	.002	.002	.004	.005
%RSD	.2224	.2009	.0732	.3806	.1218	.0762	.2049	.2312
#1	1.934	1.961	1.940	1.972	1.952	1.952	1.986	1.967
#2	1.942	1.954	1.937	1.973	1.955	1.954	1.994	1.966
#3	1.940	1.956	1.937	1.960	1.957	1.955	1.988	1.974

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5491.4	80168.	22034.	3057.4
Stddev	14.5	155.	148.	3.9
%RSD	.26479	.19349	.67280	.12668
#1	5477.3	80336.	21867.	3053.0
#2	5490.6	80031.	22149.	3058.9
#3	5506.4	80137.	22086.	3060.4

Raw Data MA59103 page 265 of 267

Sample Name: CCB Acquired: 8/7/2025 19:10:11 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0008	.0007	-0.012	.0045	.0003	.0001	-0.0013	-0.0016	.0000
Stddev	.0003	.0012	.0007	.0004	.0001	.0001	.0009	.0016	.0002
%RSD	37.98	159.6	60.09	9.823	22.57	69.59	71.44	102.0	694.1
#1	-0.0006	.0021	-0.017	.0042	.0003	.0001	-0.0002	.0002	-0.0000
#2	-0.0011	.0001	-0.004	.0042	.0004	.0000	-0.0018	-0.0029	-0.0001
#3	-0.0006	-0.0000	-0.016	.0050	.0002	.0002	-0.0018	-0.0022	.0002

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0071	.0002	.0001	-0.0021	.0024	.0322	-0.0007	.0074	.0001
Stddev	.0026	.0003	.0002	.0004	.0007	.0021	.0004	.0045	.0001
%RSD	36.60	115.4	159.5	19.29	28.49	6.406	55.00	60.76	61.62
#1	-0.0041	.0005	.0002	-0.0017	.0016	.0327	-0.0011	.0038	.0000
#2	-0.0083	.0002	-0.0001	-0.0021	.0028	.0340	-0.0007	.0124	.0001
#3	-0.0089	-0.0000	.0003	-0.0025	.0028	.0300	-0.0004	.0060	.0001

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.1563	.0006	.0010	.0009	.0020	-0.0003	-0.0023	.0152
Stddev	.0003	.0048	.0000	.0004	.0006	.0014	.0009	.0019	.0004
%RSD	31.73	3.093	3.617	37.60	64.27	69.09	285.3	82.37	2.326
#1	.0013	.1551	.0006	.0006	.0003	.0004	.0007	-0.0008	.0153
#2	.0011	.1617	.0006	.0011	.0009	.0029	-0.0006	-0.0044	.0155
#3	.0007	.1522	.0006	.0013	.0014	.0025	-0.0011	-0.0016	.0148

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

Raw Data MA59103 page 266 of 267

Sample Name: CCB Acquired: 8/7/2025 19:10:11 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	.0001	.0004	-0.0017	.0006	-0.0006	.0003	.0005
Stddev	.0009	.0001	.0001	.0008	.0003	.0003	.0003	.0001
%RSD	70.13	64.60	30.36	48.05	52.51	55.31	98.78	21.78
#1	.0003	.0002	.0003	-0.0026	.0009	-0.0002	.0001	.0004
#2	.0017	.0002	.0005	-0.0017	.0003	-0.0008	.0002	.0004
#3	.0020	.0000	.0003	-0.0009	.0007	-0.0008	.0006	.0006

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5282.5	79972.	22138.	3076.7
Stddev	7.5	243.	34.	5.2
%RSD	.14174	.30432	.15372	.16887
#1	5290.3	80231.	22135.	3082.5
#2	5275.4	79748.	22174.	3072.7
#3	5281.7	79936.	22106.	3074.7

Raw Data MA59103 page 267 of 267

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	21	Mn	0.000102	0.000000	No
			Mo	0.000020	-0.000003	No
			Ti	0.000083	0.000000	No
			Fe	0.000000	0.000000	No
			Zn	-0.000001	0.000000	No
			Ca	-0.000001	0.000000	No
			Sr	0.000100	0.000000	No
			Mg	-0.000001	0.000000	No
			Ba	0.000071	0.000000	No
			Cr	0.000010	0.000000	No
			V	-0.001473	0.000000	No
			Al	0.000001	0.000000	No
			W	0.000615	0.000000	No
			Ce	-0.000660	0.000000	No
			Co	0.000000	0.000000	No
			B	0.000040	0.000000	No
			Zr	0.005230	0.000000	No
			S	-0.000002	0.000000	No
			Pb	0.000020	0.000000	No
			Sn	0.000100	0.000000	No
			Ni	-0.000045	0.000000	No
Al 396.152 { 85}	☒	8	Si	0.000652	0.000000	No
			Ca	0.000053	0.000000	No
			Mo	0.045290	0.000000	No
			Zr	0.013719	0.000000	No
			Ti	-0.000583	0.000000	No
			Ce	0.010010	0.000000	No
			Cr	0.004890	0.000000	No
			As	0.010000	0.000000	No
As 189.042 {478}	☒	23	Al	0.000004	0.000000	No
			Fe	-0.000016	0.000000	No
			Ca	0.000004	0.000000	No
			Mo	0.002160	0.000000	No
			Cr	0.000200	0.000000	No
			Ba	0.000086	0.000000	No
			Sn	0.000050	0.000000	No
			Cd	-0.000208	0.000000	No
			Si	-0.000010	0.000000	No
			Zn	-0.000082	0.000000	No
			Sr	-0.000045	0.000000	No
			W	0.001499	0.000000	No
			Cu	0.000057	0.000000	No
			Co	-0.000176	0.000000	No
			Zr	-0.000009	0.000000	No
			Mn	0.000032	0.000000	No
			S	0.000003	0.000000	No
			Ti	0.000096	0.000000	No
			Mg	0.000005	0.000000	No
			Ce	-0.000210	0.000000	No
			Ni	0.000089	0.000000	No
			V	0.000094	0.000000	No
B 208.959 {462}	☒	1	B	0.000150	0.000000	No
			Mo	0.031700	0.000000	No
Ba 455.403 { 74}	☒	2	Zr	0.000000	0.000000	No
			Ca	-0.000005	0.000000	No
Be 313.042 {108}	☒	15	V	0.000670	0.000000	No
			Mo	-0.000047	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ti	-0.000026	0.000000	No
			Mn	0.000000	0.000000	No
			Cu	-0.000056	0.000000	No
			Bi	0.000060	0.000000	No
			Fe	-0.000000	0.000000	No
			Al	0.000000	0.000000	No
			Mg	0.000001	0.000000	No
			Ca	0.000000	0.000000	No
			Sr	0.000000	0.000000	No
			S	-0.000001	0.000000	No
			Ni	0.000000	0.000000	No
			Ce	0.000120	0.000000	No
			B	0.000150	0.000000	No
Bi 223.061 {451}	☒	10	Ti	-0.000819	0.000000	No
			V	-0.000164	0.000000	No
			Co	-0.000330	0.000000	No
			Ca	-0.000002	0.000000	No
			Mg	-0.000000	0.000000	No
			Fe	0.000051	0.000000	No
			Cr	0.001595	0.000000	No
			Cu	-0.001148	0.000000	No
			W	-0.000800	0.000000	No
			Ce	-0.000820	0.000000	No
Ca 317.933 {106}	☒	14	Fe	0.000012	0.000000	No
			W	0.000000	0.000000	No
			Tl	-0.000152	0.000000	No
			Be	0.001840	0.000000	No
			Ba	-0.001224	0.000000	No
			Cu	-0.000822	0.000000	No
			Cd	0.000010	0.000000	No
			Ni	0.000667	0.000000	No
			B	-0.000210	0.000000	No
			Se	0.000923	0.000000	No
			Co	-0.000408	0.000000	No
			Cr	0.000640	0.000000	No
			Al	-0.000000	0.000000	No
			As	0.010000	0.000000	No
Cd 228.802 {448}	☒	15	As	0.006872	0.000000	No
			Ni	-0.000018	0.000000	No
			Fe	-0.000004	0.000000	No
			V	0.000054	0.000000	No
			Ba	0.000064	0.000000	No
			Co	-0.000492	0.000000	No
			Sr	-0.000020	0.000000	No
			Mn	0.000018	0.000000	No
			Cu	-0.000026	0.000000	No
			Zn	-0.000018	0.000000	No
			W	-0.000172	0.000000	No
			Zr	-0.000006	0.000000	No
			Mg	0.000000	0.000000	No
			Ca	0.000011	0.000000	No
			Al	0.000000	0.000000	No
Ce 404.076 { 83}	☒	4	Mn	-0.000361	0.000000	No
			Fe	0.000174	0.000000	No
			Ti	-0.001676	0.000000	No
			Zr	0.000310	0.000000	No
Co 228.616 {448}	☒	7	Fe	0.000005	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	0.000043	0.000000	No
			Ni	0.000091	0.000000	No
			Ti	0.002264	0.000000	No
			Ba	0.000540	0.000000	No
			W	0.000327	0.000000	No
			Cd	-0.000510	0.000000	No
Cr 267.716 {126}	☒	9	Mn	0.000158	0.000000	No
			V	-0.000183	0.000000	No
			Mo	-0.000082	0.000000	No
			Fe	0.000004	0.000000	No
			Ti	0.000060	0.000000	No
			Ba	0.000045	0.000000	No
			Cu	0.000100	0.000000	No
			Sr	-0.000100	0.000000	No
			W	0.000000	0.000000	No
Cu 324.754 {104}2	☒	14	Cr	-0.000099	0.000000	No
			V	-0.000086	0.000000	No
			Mo	0.000072	0.000000	No
			Ti	-0.000249	0.000000	No
			Fe	-0.000132	0.000000	No
			Zn	-0.000041	0.000000	No
			Co	-0.001046	0.000000	No
			Si	0.000016	0.000000	No
			Mn	-0.000017	0.000000	No
			Se	0.000050	0.000000	No
			Sb	0.000069	0.000000	No
			W	-0.000000	0.000000	No
			Al	0.000001	0.000000	No
			Zr	0.000300	0.000000	No
Fe 259.940 {130}	☒	15	Si	0.000221	0.000000	No
			Ti	-0.000051	0.000000	No
			Cr	-0.000420	0.000000	No
			Mn	-0.000046	0.000000	No
			V	-0.010000	0.000000	No
			Cu	-0.000015	0.000000	No
			Zn	0.000046	0.000000	No
			Ti	0.000000	0.000000	No
			Ca	-0.000116	0.000000	No
			Ba	-0.000500	0.000000	No
			Mo	0.002980	0.000000	No
			Ni	0.000000	0.000000	No
			Al	-0.000078	0.000000	No
			As	0.000000	0.000000	No
			Li	-0.000500	0.000000	No
In 230.606 {446}*	☐	None				
K 766.490 { 44}	☒	11	Fe	0.000550	0.000000	No
			Al	0.000077	0.000000	No
			Ca	-0.000121	0.000000	No
			Mn	-0.007074	0.000000	No
			Si	-0.003000	0.000000	No
			V	-0.002000	0.000000	No
			Sn	-0.004700	0.000000	No
			Ba	-0.010574	0.000000	No
			Mo	-0.000850	0.000000	No
			Cu	-0.011483	0.000000	No
			Ni	-0.010000	0.000000	No
Li 670.784 { 50}	☒	2	Ca	0.000019	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Mg 279.079 {121}	☒	3	Fe	-0.000008	0.000000	No
			Mo	-0.013702	0.000000	No
			W	-0.000030	0.000000	No
Mn 257.610 {131}	☒	8	Mn	-0.002445	0.000000	No
			Fe	0.000008	0.000000	No
			Si	0.000010	0.000000	No
			Ba	0.000004	0.000000	No
			Ni	0.000028	0.000000	No
			Al	0.000000	0.000000	No
			Ca	0.000010	0.000000	No
			Mg	0.000003	0.000000	No
Mo 202.030 {467}	☒	2	W	0.000260	0.000000	No
			Al	-0.000004	0.000000	No
Na 589.592 { 57}	☒	4	Fe	-0.000010	0.000000	No
			K	0.000040	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	-0.000070	0.000000	No
Ni 231.604 {446}	☒	9	V	-0.005000	0.000000	No
			Fe	0.000033	0.000000	No
			Zn	-0.000013	0.000000	No
			Be	0.000213	0.000000	No
			Co	0.000141	0.000000	No
			Ti	0.000209	0.000000	No
			Mo	0.000026	0.000000	No
			Cu	0.000050	0.000000	No
			Se	0.000100	0.000000	No
			Ca	0.000000	0.000000	No
P 177.495 {490}	☒	13	Mn	-0.000215	0.000000	No
			Al	0.000028	0.000000	No
			V	0.001097	0.000000	No
			Si	0.000178	0.000000	No
			Ti	0.000000	0.000000	No
			Mo	0.000000	0.000000	No
			S	0.000015	0.000000	No
			Co	0.000352	0.000000	No
			Cu	0.003229	0.000000	No
			Ca	0.000024	0.000000	No
			Cr	0.000099	0.000000	No
			Fe	0.000057	0.000000	No
			W	0.002000	0.000000	No
Pb 220.353 {453}	☒	22	Al	-0.000082	0.000000	No
			Fe	0.000016	0.000000	No
			Ca	0.000006	0.000000	No
			Mn	0.000084	0.000000	No
			Mo	-0.000510	0.000000	No
			Cu	0.000676	0.000000	No
			Co	-0.000195	0.000000	No
			Ti	-0.000362	0.000000	No
			Si	0.000137	0.000000	No
			Ba	-0.000022	0.000000	No
			Sb	-0.000084	0.000000	No
			Sr	-0.000033	0.000000	No
			W	-0.000312	0.000000	No
			Mg	0.000014	0.000000	No
			Cd	0.000012	0.000000	No
			Cr	-0.000040	0.000000	No
			Ni	0.000090	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			S	-0.000003	0.000000	No
			Zn	0.000064	0.000000	No
			Ce	0.000770	0.000000	No
			Zr	-0.000009	0.000000	No
			V	0.000020	0.000000	No
S 182.034 {485}	☒	9	Mo	0.001470	0.000000	No
			Al	0.000008	0.000000	No
			Fe	-0.000011	0.000000	No
			Mn	0.005259	0.000000	No
			W	-0.000026	0.000000	No
			Ca	0.000036	0.000000	No
			Mg	0.000012	0.000000	No
			Ce	-0.002570	0.000000	No
			Ba	0.004000	0.000000	No
Sb 206.833 {463}	☒	20	Fe	0.000036	0.000000	No
			Al	-0.000001	0.000000	No
			Ca	-0.000004	0.000000	No
			Ni	-0.000022	0.000000	No
			Cr	0.013948	0.000000	No
			V	-0.001296	0.000000	No
			Zn	-0.000035	0.000000	No
			Mo	-0.000826	0.000000	No
			Ti	0.000160	0.000000	No
			Sn	-0.001965	0.000000	No
			Mg	-0.000001	0.000000	No
			Zr	-0.000120	0.000000	No
			Sr	0.000031	0.000000	No
			B	-0.000100	0.000000	No
			Co	-0.000102	0.000000	No
			W	0.001030	0.000000	No
			Si	0.000030	0.000000	No
			Ce	-0.000870	0.000000	No
			Mn	-0.000139	0.000000	No
Se 196.090 {472}	☒	24	S	-0.000005	0.000000	No
			Al	0.000005	0.000000	No
			Ca	-0.000004	0.000000	No
			Mn	0.000114	0.000000	No
			Mo	0.000100	0.000000	No
			Fe	-0.000102	0.000000	No
			Co	-0.000173	0.000000	No
			Sr	-0.000011	0.000000	No
			Cu	0.000076	0.000000	No
			W	0.008390	0.000000	No
			Si	0.000054	0.000000	No
			Be	-0.000347	0.000000	No
			Zn	0.000050	0.000000	No
			B	0.000028	0.000000	No
			Ti	-0.000067	0.000000	No
			Cd	0.000090	0.000000	No
			Zr	-0.000297	0.000000	No
			Ba	-0.000046	0.000000	No
			Mg	0.000002	0.000000	No
			Pb	-0.000078	0.000000	No
			Ni	0.000043	0.000000	No
			Cr	-0.000024	0.000000	No
			S	-0.000004	0.000000	No
			V	-0.000063	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Si 212.412 {459}	☒	16	Ce	-0.000130	0.000000	No
			Sr	0.000366	0.000000	No
			Ni	0.000021	0.000000	No
			Mo	0.028000	0.000000	No
			V	0.007000	0.000000	No
			Ti	0.005473	0.000000	No
			Al	0.000002	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.001987	0.000000	No
			Sn	0.007500	0.000000	No
			Zn	0.000385	0.000000	No
			Be	-0.000048	0.000000	No
			W	0.010427	0.000000	No
			Ca	0.000017	0.000000	No
			Fe	0.000010	0.000000	No
			Mg	-0.000014	0.000000	No
Sn 189.989 {478}	☒	5	S	0.000200	0.000000	No
			Ti	-0.002510	0.000000	No
			Fe	0.000004	0.000000	No
			Si	0.000000	0.000000	No
Sr 407.771 { 83}	☒	2	Zr	0.000394	0.000000	No
			W	0.000000	0.000000	No
			Ca	0.000005	0.000000	No
Ti 334.904 {101}	☒	4	Si	0.000033	0.000000	No
			Cr	-0.000063	0.000000	No
			Mo	0.001630	0.000000	No
			Si	0.000035	0.000000	No
Ti 190.856 {477}	☒	27	Li	0.000000	0.000000	No
			Cr	0.000215	0.000000	No
			Mo	-0.000300	0.000000	No
			Al	-0.000003	0.000000	No
			Fe	-0.000080	0.000000	No
			V	0.002070	0.000000	No
			Mn	0.001121	0.000000	No
			Si	-0.000048	0.000000	No
			Ca	-0.000003	0.000000	No
			Ti	-0.000175	0.000000	No
			Mg	0.000002	0.000000	No
			Co	0.004229	0.000000	No
			Sr	0.000210	0.000000	No
			B	-0.000003	0.000000	No
			Ba	0.000034	0.000000	No
			Zn	-0.000053	0.000000	No
			As	0.000280	0.000000	No
			W	-0.000800	0.000000	No
			Cu	0.000000	0.000000	No
			Pb	0.000147	0.000000	No
			S	0.000010	0.000000	No
			Sn	-0.000086	0.000000	No
			Li	0.000000	0.000000	No
			K	0.000000	0.000000	No
			Zr	-0.000040	0.000000	No
			Ce	-0.000040	0.000000	No
			P	0.000000	0.000000	No
V 292.402 {115}	☒	7	Ni	0.000047	0.000000	No
			Ti	0.000779	0.000000	No
			Mo	-0.000954	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Fe	0.000024	0.000000	No
			Sr	-0.000100	0.000000	No
			Cr	-0.001171	0.000000	No
			Mn	-0.000100	0.000000	No
			Al	0.000000	0.000000	No
W 207.911 {462}	☒	20	Si	0.000105	0.000000	No
			As	0.000100	0.000000	No
			Mn	0.000066	0.000000	No
			Mo	-0.000300	0.000000	No
			Ti	0.000080	0.000000	No
			Sr	-0.000850	0.000000	No
			V	-0.000140	0.000000	No
			Cd	-0.000650	0.000000	No
			Cr	-0.000390	0.000000	No
			Zn	0.012306	0.000000	No
			Sn	-0.000320	0.000000	No
			Zr	0.000061	0.000000	No
			B	0.000009	0.000000	No
			Sb	-0.000300	0.000000	No
			Co	-0.001000	0.000000	No
			Ni	0.000050	0.000000	No
			Be	-0.000185	0.000000	No
			Se	-0.000105	0.000000	No
			Cu	-0.000138	0.000000	No
			Tl	-0.000220	0.000000	No
Y 360.073 { 94}* Y 371.030 { 91}* Y 224.306 {451}* Zn 206.200 {464}	☐ ☐ ☐ ☒	None None None 12				
			Cr	-0.000843	0.000000	No
			Fe	0.000002	0.000000	No
			Si	0.000015	0.000000	No
			Mn	-0.000045	0.000000	No
			Ba	-0.000060	0.000000	No
			Sn	-0.000023	0.000000	No
			Cu	0.000148	0.000000	No
			As	0.000055	0.000000	No
			Be	0.000058	0.000000	No
			Ca	0.000014	0.000000	No
			W	0.001027	0.000000	No
			V	0.000264	0.000000	No
Zr 339.198 { 99}	☒	13	Mo	0.001036	0.000000	No
			Ti	-0.000044	0.000000	No
			Fe	0.000009	0.000000	No
			Si	0.000032	0.000000	No
			S	0.000000	0.000000	No
			Cr	-0.000200	0.000000	No
			W	0.003000	0.000000	No
			V	0.000800	0.000000	No
			Ni	0.000000	0.000000	No
			As	0.000000	0.000000	No
			Sn	0.000000	0.000000	No
			Sb	0.000000	0.000000	No
			Ce	0.000000	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000103	0.164607	0.000000	1.000000
Al 396.152 { 85}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000431	0.046742	0.000000	1.000000
As 189.042 {478}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000333	0.146719	0.000000	1.000000
B 208.959 {462}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000305	0.354252	0.000000	1.000000
Ba 455.403 { 74}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.001594	3.216020	0.000000	1.000000
Be 313.042 {108}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000023	2.585318	0.000000	1.000000
Bi 223.061 {451}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	-0.000866	0.242729	0.000000	1.000000
Ca 317.933 {106}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.006195	0.101059	0.000000	1.000000
Cd 228.802 {448}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000554	1.312113	0.000000	1.000000
Ce 404.076 { 83}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	1/Conc	-0.000245	0.042363	0.000000	1.000000
Co 228.616 {448}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	-0.000252	0.547963	0.000000	1.000000
Cr 267.716 {126}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	-0.000026	0.153015	0.000000	1.000000
Cu 324.754 {104}2	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.016093	0.219130	0.000000	1.000000
Fe 259.940 {130}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000061	0.037390	0.000000	1.000000
In 230.606 {446}*	8/7/2025 20:09:35	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000667	0.017368	0.000000	1.000000
Li 670.784 { 50}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000890	0.548709	0.000000	1.000000
Mg 279.079 {121}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	-0.000104	0.009382	0.000000	1.000000
Mn 257.610 {131}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	-0.000025	0.915517	0.000000	1.000000
Mo 202.030 {467}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000490	0.740764	0.000000	1.000000
Na 589.592 { 57}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.001033	0.071059	0.000000	1.000000
Ni 231.604 {446}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	-0.000207	0.468047	0.000000	1.000000
P 177.495 {490}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	1/Conc	-0.003210	0.136402	0.000000	1.000000
Pb 220.353 {453}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000204	0.203890	0.000000	1.000000
S 182.034 {485}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000684	0.081158	0.000000	1.000000
Sb 206.833 {463}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000522	0.202912	0.000000	1.000000
Se 196.090 {472}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000723	0.116782	0.000000	1.000000
Si 212.412 {459}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.004334	0.273783	0.000000	1.000000
Sn 189.989 {478}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000280	0.154133	0.000000	1.000000
Sr 407.771 { 83}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000360	3.464061	0.000000	1.000000
Ti 334.904 {101}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	-0.000070	0.154349	0.000000	1.000000
Tl 190.856 {477}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	-0.000101	0.041050	0.000000	1.000000
V 292.402 {115}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	-0.000045	0.247803	0.000000	1.000000
W 207.911 {462}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.002033	0.383228	0.000000	1.000000
Y 360.073 { 94}*	8/7/2025 20:09:35	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	8/7/2025 20:09:35	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	8/7/2025 20:09:35	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {464}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000431	1.366228	0.000000	1.000000
Zr 339.198 { 99}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	-0.000956	0.498052	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	1.000000	0.000000	0.000519	0.001731	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	1.000000	0.000000	0.006149	0.020495	OK	1.000000	0.000000	1	0
As 189.042 {478}	1.000000	0.000000	0.001267	0.004225	OK	1.000000	0.000000	1	0
B 208.959 {462}	1.000000	0.000000	0.000652	0.002175	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	1.000000	0.000000	0.000124	0.000414	OK	1.000000	0.000000	1	0
Be 313.042 {108}	1.000000	0.000000	0.000047	0.000155	OK	1.000000	0.000000	1	0
Bi 223.061 {451}	1.000000	0.000000	0.001860	0.006201	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	1.000000	0.000000	0.001636	0.005453	OK	1.000000	0.000000	1	0
Cd 228.802 {448}	1.000000	0.000000	0.000228	0.000759	OK	1.000000	0.000000	1	0
Ce 404.076 { 83}	1.000000	0.000000	0.003852	0.012841	OK	1.000000	0.000000	1	0
Co 228.616 {448}	1.000000	0.000000	0.000368	0.001227	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	1.000000	0.000000	0.000392	0.001307	OK	1.000000	0.000000	1	0
Cu 324.754 {104}2	1.000000	0.000000	0.000511	0.001702	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	1.000000	0.000000	0.001977	0.006588	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	1.000000	0.000000	0.030335	0.101116	OK	1.000000	0.000000	1	0
Li 670.784 { 50}	1.000000	0.000000	0.000923	0.003077	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	1.000000	0.000000	0.011306	0.037688	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	1.000000	0.000000	0.000061	0.000202	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	1.000000	0.000000	0.000378	0.001260	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	1.000000	0.000000	0.006819	0.022731	OK	1.000000	0.000000	1	0
Ni 231.604 {446}	1.000000	0.000000	0.000493	0.001644	OK	1.000000	0.000000	1	0
P 177.495 {490}	1.000000	0.000000	0.001364	0.004547	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	1.000000	0.000000	0.001770	0.005900	OK	1.000000	0.000000	1	0
S 182.034 {485}	1.000000	0.000000	0.002517	0.008390	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	1.000000	0.000000	0.001604	0.005348	OK	1.000000	0.000000	1	0
Se 196.090 {472}	1.000000	0.000000	0.002097	0.006989	OK	1.000000	0.000000	1	0
Si 212.412 {459}	1.000000	0.000000	0.001192	0.003973	OK	1.000000	0.000000	1	0
Sn 189.989 {478}	1.000000	0.000000	0.001177	0.003924	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	1.000000	0.000000	0.000066	0.000221	OK	1.000000	0.000000	1	0
Ti 334.904 {101}	1.000000	0.000000	0.000488	0.001628	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	1.000000	0.000000	0.002946	0.009820	OK	1.000000	0.000000	1	0
V 292.402 {115}	1.000000	0.000000	0.000336	0.001120	OK	1.000000	0.000000	1	0
W 207.911 {462}	1.000000	0.000000	0.001516	0.005054	OK	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 224.306 {451}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {464}	1.000000	0.000000	0.000181	0.000605	OK	1.000000	0.000000	1	0
Zr 339.198 { 99}	1.000000	0.000000	0.000232	0.000772	OK	1.000000	0.000000	1	0

Aqueous Metals Digestion Form

Batch Information						
Batch ID	Start Date	Start Time	End Date	End time	QC Samp 1	QC Samp 2
MP56401	8/7/2025	9:55	8/7/2025	12:55	JE16441-1	

Temperature						
		Block ID1	Therm. ID#	Temperature	Correction	Corrected Temp
1	Start	MP-9	996469	96	-1	95
1	End	MP-9	996469	96	-1	95
2	Start					
2	End					

Methods and Equipment				
	Dig. Method	Heating Method	Auto Pipette #	Digestion Tube Lot #
	SW846 3010A	Digestion Block	M-104	LV25012005

Sample ID	Bottle Number	pH<2 (Y/N)	Initial Sample Volume	Final Volume in ML	Reagent Groups Added	Spike Groups Added	Comments
MP56401-MB1	N/A	N	50	50	AB		
MP56401-B1	N/A	N	50	50	AB	ABCD	
MP56401-S1	1	Y	50	50	AB	ABCD	
MP56401-S2	1	Y	50	50	AB	ABCD	
MP56401-SD1	1	Y	50	50	AB		
JE16441-1	1	Y	50	50	AB		
JE16441-15	1	Y	50	50	AB		
JE16441-15F	2	Y	50	50	AB		
JE16441-16	1	Y	50	50	AB		
JE16441-16F	2	Y	50	50	AB		
JE16441-17	1	Y	50	50	AB		
JE16441-17F	2	Y	50	50	AB		
JE16441-18	1	Y	50	50	AB		
JE16441-18F	2	Y	50	50	AB		
JE16441-19	1	Y	50	50	AB		
JE16441-19F	2	Y	50	50	AB		
JE16441-1F	2	Y	50	50	AB		
JE16441-20	1	Y	50	50	AB		
JE16441-20F	2	Y	50	50	AB		
JE16471-2	1	Y	50	50	AB		
JE16471-3	1	Y	50	50	AB		
JE16471-4	1	Y	50	50	AB		
JE16471-5	1	Y	50	50	AB		
JE16518-1	3	Y	50	50	AB		
MP56401-B2	N/A	N	50	50	AB	ABCD	FILTERMET 8/6
MP56401-MB2	N/A	N	50	50	AB		FILTERMET 8/6

Reagents Groups		
Group	Description	MLs Used
A	CONC HNO3	5
B	1:1 HCL	5
C		
D		
E		
F		
G		
H		

Spike Groups		
Group	Description	MLs Used
A	ACCUTEST 13A REV1	0.5
B	ACCUTEST 14A REV1	0.5
C	MINERALS 5000 PPM	0.25
D	AG 20 PPM	0.625
E		
F		
G		
H		
I		

Comments: _____

Analyst BRIANNAP Approved by julianj Approved on 8/7/2025

Note: Reagent traceability for batch Start Date can be seen on the reagent traceability page for this batch.
Serial Dilution samples shown for QC purposes only.
Acceptable Temperature range is 90-95 degrees C unless otherwise noted



Metals Digestion Reagents Information Log

Digestion Batch ID: MP56401 **DATE: 08/07/25**

Matrix: ALL

<u>Standard/Reagent Type</u>	<u>Exp. Date</u>	<u>Standard/Reagent ID</u>
Spiking Solution- (ACCUTEST 13A REV1)	11/20/2025	MP-21-58-255
Spiking Solution- (ACCUTEST 14A REV1)	11/20/2025	MP-21-58-254
Spiking Solution - 5000 mg/l Minerals	11/13/2025	2322102-ILEE MFG: ENVI EXPRESS
Spiking Solution - Sulfur 1000ppm	4/17/2026	LOT: 0630226 MFG: ABS STANDARDS
Spiking Solution - Si 1000ppm	1/11/2026	LOT: MA-INTER-071125-3 MFG: INO. VENT.
Spiking Solution - Bi 1000ppm	11/5/2025	LOT: T2-BI725283 MFG: INO. VENT.
Spiking Solution - Se 20ppm	8/13/2025	MP-21-58-229
Spiking Solution - Li 1000ppm	2/28/2026	LOT: UN3264 MFG: RICCA
Spiking Solution- Ag 20 ppm	11/21/2025	MP-21-58-256
Spiking Solution - (ACCUTEST 13B REV1)	10/29/2025	MP-21-58-245
Spiking Solution - (ACCUTEST 14B REV1)	10/29/2025	MP-21-58-246
Spiking Solution - 1000ppm Minerals	11/20/2025	MP-21-58-252
Nitric Acid	12/30/2025	LOT: 24007769 MFG: FISHER
Nitric Acid (1:1)	1/21/2026	MP-21-60-353 MFG: FISHER
Hydrochloric Acid	3/17/2029	LOT: 24D1562005 MFG: J.T BAKER
Hydrochloric Acid (1:1)	1/21/2026	MP-21-60-354 1:1 HCL MFG: FISHER
Hydrogen Peroxide	7/30/2026	LOT: 233975 MFG: FISHER
Soil Lab Control/Soil LC	11/26/2025	LOT: 681022m MFG: ERA
Teflon Chips(For Soil MB and Blank Spike)	N/A	LOT: 27407287 MFG: SAINT-GOBAIN
Digestion Tubes 50mL	N/A	LOT: LV24010607 MFG: ENV. EXPRESS
Digestion Tubes 100mL	N/A	LOT: 2206050 MFG: ENV. EXPRESS
pH Paper	9/15/2025	LOT: 226322 MFG: HYDRION
Filter paper Q8	N/A	LOT: 17607330 MFG: FISHER

Spike witnessed By: SK

General Chemistry

QC Data Summaries



Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
HEM Oil and Grease	GP63079/GN71907	5.0	0.0	mg/l	40	39.3	98.3	78-114%

Associated Samples:
Batch GP63079: JE16518-1
(*) Outside of QC limits

8.1
8

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
HEM Oil and Grease	GP63079/GN71907	JE16535-4	mg/l	1.3	0.0	200.0(a)	0-18%

Associated Samples:

Batch GP63079: JE16518-1

(*) Outside of QC limits

(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
HEM Oil and Grease	GP63079/GN71907	JE16535-3	mg/l	1.4	40	41.2	99.5	78-114%

Associated Samples:

Batch GP63079: JE16518-1

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

8.3

8



Dayton, NJ

Section 9

General Chemistry

Raw Data

6

TEST: HEM Oil and Grease

Method: EPA 1664A

Date Extracted: 8/7/2025

Balance # Used: B-93

OG1664

Reporting Date: 8/7/2025

Final Date Weighed: 8/7/2025

(Refer to balance log for balance calibration)

GN Group: GN71907

GP Group: GP63079

Analyst: SARAHS

Units: mg/L

QC Summary

Units: mg/l

Dup Sample ID: JE16535-4

MS Sample ID: JE16535-3

Method Blank Date: 8/7/2025

Blank Spike Date: 8/7/2025

External: na

Samp Res: <5

Samp Res: <5

Result: <5

Result: 39.3

Control Limit: na

Dup Result: <5

Spike: 41.2

RL: 5

Spk Amt: 40

Result: na

% RPD: 0%

% MS Res: 41.2

% Rec: <RL: Y

% Rec: 98.25%

% Rec: na

Speed Vap Temperature During Evaporation: 60 deg. C

Speed: Vap III

Vap ID:

(C) refer to Determination of Constant weights page for balance check weight results.

Flask #	Sample ID	Sample pH	Sample Volume (ml)	Total Weight (g)	Tare Weight (g)	Sample Weight (g)	Calc Result	Final Result	RL	Analysis Time
	0.002 g check (c)	na	na	0.0019	0.0019	na	na	na	na	11:00
	1.000 g check (c)	na	na	1.0001	1.0001	na	na	na	na	11:00
	5.000 g check (c)	na	na	5.0002	5.0002	na	na	na	na	11:00
	100 g check (c)	na	na	100.0082	100.0082	na	na	na	na	11:00
MB	GP63079-MB1	<2	1000	2.4227	2.4225	0.0002	0.200	<5	5.00	11:00
BSP	GP63079-B1	<2	1000	2.4690	2.4297	0.0393	39.300	39.300	5.00	11:00
MS	GP63079-S1	<2	1000	2.4763	2.4351	0.0412	41.200	41.200	5.00	11:00
DUP	GP63079-D1	<2	1000	2.4484	2.4473	0.0011	1.100	<5	5.00	11:00
1	JE16535-3	<2	1000	2.4214	2.4200	0.0014	1.400	<5	5.00	11:00
2	JE16535-4	<2	1000	2.4315	2.4302	0.0013	1.300	<5	5.00	11:00
3	JE16518-1	<2	1000	2.4247	2.4177	0.0070	7.000	7.000	5.00	11:00
4	JE16544-1	<2	1000	2.4329	2.4319	0.0010	1.000	<5	5.00	11:00
5	JE16386-1	<2	1000	2.4601	2.4303	0.0298	29.800	29.800	5.00	11:00
6	DA73982-1	<2	1000	2.4442	2.4440	0.0002	0.200	<5	5.00	11:00
7	DA73982-2	<2	1000	2.4498	2.4455	0.0043	4.300	<5	5.00	11:00
8	DA73982-3	<2	1000	2.4343	2.4342	0.0001	0.100	<5	5.00	11:00
9	JE16485-3	<2	1000	2.4258	2.4257	0.0001	0.100	<5	5.00	11:00
10	JE16485-4	<2	1000	2.4229	2.4214	0.0015	1.500	<5	5.00	11:00
	0.002 g check (c)	na	na	0.0019	0.0019	na	na	na	na	13:00
	1.000g check(b)	na	na	1.0001	1.0001	na	na	na	na	13:00



DETERMINATION OF CONSTANT WEIGHT

Test: HEM Oil and Grease	GN Group: GN71907	Balance ID#: B-93
Method: EPA 1664A	GP Group: GP63079	Thermometer ID#: 73133
Test Code: OG1664	Analyst: SS	Thermometer correction factor: 0
10A	Units: mg/l	

Definition of Constant Weight: Weight loss is less than 0.5 mg (0.0005 g).

Date:	8/7/2025	8/7/2025			
Start Time, End Time, Temp (Corrected, Uncorrected)					
NA	11:20-11:40(70C)	12:30-12:50(70C)			
Flask #	First Weight (g)	Second Weight (g)	Re-Weight (g)	Third Weight (g)	Fourth Weight (g)
Sample ID					Description
0.002 g check (c)	0.0019	0.0019	N		
1.000 g check (c)	1.0001	1.0001	N		
5.000 g check (c)	5.0002	5.0002			
100 g check (c)	100.0082	100.0082	N		
GP63079-MB1	2.4227	2.4227	N		
GP63079-B1	2.4690	2.4690	N		5ml spike
GP63079-S1	2.4763	2.4763	N		5ml spike
GP63079-D1	2.4484	2.4484	N		
JE16535-3	2.4214	2.4214	N		
JE16535-4	2.4314	2.4315	N		
JE16518-1	2.4247	2.4247	N		
JE16544-1	2.4328	2.4329	N		
JE16386-1	2.4600	2.4601	N		
DA73982-1	2.4442	2.4442	N		
DA73982-2	2.4497	2.4498	N		
DA73982-3	2.4343	2.4343	N		
JE16485-3	2.4256	2.4258	N		
JE16485-4	2.4229	2.4229	N		
0.002 g check (c)	0.0019	0.0019	N		
1.000g check(b)	1.0001	1.0001	N		
5.000g check(c)	5.0002	5.0002	N		

Note: Samples must be dried at 70 +/- 2 deg. For a minimum of 30 minutes for each drying cycle.

Form: GN-110
Rev. Date: 8/7/2025



Reagent Information Log - OG1664 Water by EPA 1664A

<u>Reagent</u>	<u>Expiration Date</u>	<u>Reagent # or Manufacturer/Lot</u>
Hexane	7/24/2027	TEDIA LOT # 24060260
HEM Spike	8/31/2025	GNE7-78911-OG1664
Methanol	7/23/2028	FISHER LOT #235548
Disk Filter	NA	LABORATORYSALES&SER.#103522
1:1 HCL	11/6/2027	GNE3-60522-PHC/OG1
Sodium Sulfate	8/31/2025	GNE7-78913-PHC/OG1664
Filter 47mm	NA	LABORATORYSALES&SER.#150125
Pre-Filter 47mm	NA	LABORATORYSALES&SER.#141347
Filter 90/100mm	NA	LABORATORYSALES&SER.#140294
Pre-Filter 90/100mm	NA	LABORATORYSALES&SER.#141272
pH paper	11/1/2025	HYDRON LOT#231610
HEM Spike (ICV)	8/31/2025	LOT #082

B1/S1= 5.0ml of 8.060 mg/mL HEM SPIKE
 HEX= 4.05 mg/L

Form: GN-087 1-44
 Rev. Date: 11/4/08

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

SESI Consulting Engineers

12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

12060

SGS Job Number: JE17355

Sampling Date: 08/19/25

Report to:

anthony.raposo@sesi.org
sharon.cashel@sesi.org
tyler.fisher@sesi.org

ATTN: Distribution4

Total number of pages in report: **16**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Louie Devletter 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

Sample Summary

SESI Consulting Engineers

Job No: JE17355

12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY
Project No: 12060

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
---------------	----------------	---------	----------	-------------	------	------------------

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

JE17355-1	08/19/25	12:20	TF	08/19/25	AQ	Effluent	GW-TS-EFFLUENT
-----------	----------	-------	----	----------	----	----------	----------------

JE17355-1A	08/19/25	12:20	TF	08/19/25	AQ	Effluent	GW-TS-EFFLUENT
------------	----------	-------	----	----------	----	----------	----------------

Report of Analysis

Page 1 of 2

Client Sample ID:	GW-TS-EFFLUENT	
Lab Sample ID:	JE17355-1	Date Sampled: 08/19/25
Matrix:	AQ - Effluent	Date Received: 08/19/25
Method:	SW846 8260D	Percent Solids: n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5A18817.D	1	08/20/25 20:36	CF	n/a	n/a	V5A511
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	08/19/25
Lab Sample ID:	JE17355-1	Date Received:	08/19/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene ^a	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	97%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	89%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	GW-TS-EFFLUENT	
Lab Sample ID:	JE17355-1	Date Sampled: 08/19/25
Matrix:	AQ - Effluent	Date Received: 08/19/25
Method:	SW846 8270E SW846 3510C	Percent Solids: n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F227678.D	1	08/21/25 20:11	AO	08/21/25 09:00	OP66498	EF10118
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol ^a	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol ^b	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol ^c	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol ^c	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol ^a	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol ^a	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate ^a	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	08/19/25
Lab Sample ID:	JE17355-1	Date Received:	08/19/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene ^a	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene ^a	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		10-71%

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	08/19/25
Lab Sample ID:	JE17355-1	Date Received:	08/19/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	23%		10-58%
118-79-6	2,4,6-Tribromophenol	70%		22-144%
4165-60-0	Nitrobenzene-d5	58%		28-118%
321-60-8	2-Fluorobiphenyl	53%		34-116%
1718-51-0	Terphenyl-d14	59%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

- (a) Associated CCV outside of control limits high, sample was ND.
 (b) Associated BS/BSD outside control limits biased high. Sample ND.
 (c) Associated CCV and BS/BSD outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT		Date Sampled:	08/19/25
Lab Sample ID:	JE17355-1		Date Received:	08/19/25
Matrix:	AQ - Effluent		Percent Solids:	n/a
Method:	SW846 8270E BY SIM SW846 3510C			
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY			

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CS8402.D	1	08/22/25 19:50	RS	08/21/25 09:00	OP66498A	ECS432
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
4165-60-0	Nitrobenzene-d5	59%		23-127%		
321-60-8	2-Fluorobiphenyl	58%		23-114%		
1718-51-0	Terphenyl-d14	60%		10-121%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT			Date Sampled:	08/19/25
Lab Sample ID:	JE17355-1			Date Received:	08/19/25
Matrix:	AQ - Effluent			Percent Solids:	n/a
Method:	SW846 8081B SW846 3510C				
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK31027.D	1	08/21/25 15:39	MLC	08/21/25 09:30	OP66499	GRK944
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0050	0.0026	ug/l	
319-84-6	alpha-BHC	ND	0.0050	0.0026	ug/l	
319-85-7	beta-BHC	ND	0.0050	0.0040	ug/l	
319-86-8	delta-BHC	ND	0.0050	0.0033	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0050	0.0030	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0050	0.0025	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0050	0.0021	ug/l	
60-57-1	Dieldrin	ND	0.0050	0.0038	ug/l	
72-54-8	4,4' -DDD	ND	0.0050	0.0029	ug/l	
72-55-9	4,4' -DDE	ND	0.0050	0.0025	ug/l	
50-29-3	4,4' -DDT	ND	0.0050	0.0034	ug/l	
72-20-8	Endrin	ND	0.0050	0.0030	ug/l	
1031-07-8	Endosulfan sulfate ^a	ND	0.0050	0.0027	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0050	0.0034	ug/l	
53494-70-5	Endrin ketone	ND	0.0050	0.0031	ug/l	
959-98-8	Endosulfan-I	ND	0.0050	0.0026	ug/l	
33213-65-9	Endosulfan-II	ND	0.0050	0.0024	ug/l	
76-44-8	Heptachlor	ND	0.0050	0.0022	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0050	0.0030	ug/l	
72-43-5	Methoxychlor	ND	0.010	0.0034	ug/l	
8001-35-2	Toxaphene	ND	0.13	0.082	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		10-175%
877-09-8	Tetrachloro-m-xylene	70%		10-175%
2051-24-3	Decachlorobiphenyl	37%		10-128%
2051-24-3	Decachlorobiphenyl	38%		10-128%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT			Date Sampled:	08/19/25
Lab Sample ID:	JE17355-1			Date Received:	08/19/25
Matrix:	AQ - Effluent			Percent Solids:	n/a
Method:	SW846 8082A SW846 3510C				
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2524327.D	1	08/21/25 15:58	MLC	08/21/25 09:30	OP66500	GXX8932
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.25	0.098	ug/l	
11104-28-2	Aroclor 1221	ND	0.25	0.21	ug/l	
11141-16-5	Aroclor 1232	ND	0.25	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.25	0.23	ug/l	
12672-29-6	Aroclor 1248	ND	0.25	0.22	ug/l	
11097-69-1	Aroclor 1254	ND	0.25	0.21	ug/l	
11096-82-5	Aroclor 1260	ND	0.25	0.21	ug/l	
11100-14-4	Aroclor 1268	ND	0.25	0.087	ug/l	
37324-23-5	Aroclor 1262	ND	0.25	0.23	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	170% ^a		10-169%
877-09-8	Tetrachloro-m-xylene	105%		10-169%
2051-24-3	Decachlorobiphenyl	71%		10-130%
2051-24-3	Decachlorobiphenyl	68%		10-130%

(a) Outside of in house control limits.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	08/19/25
Lab Sample ID:	JE17355-1	Date Received:	08/19/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	515	200	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Antimony	< 6.0	6.0	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Arsenic	< 3.0	3.0	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Barium	< 200	200	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Beryllium	< 1.0	1.0	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Cadmium	< 3.0	3.0	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Calcium	69000	5000	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Chromium	< 10	10	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Cobalt	< 50	50	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Copper	< 10	10	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Iron	783	100	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Lead	< 3.0	3.0	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Magnesium	20300	5000	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Manganese	119	15	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Mercury	< 0.20	0.20	ug/l	1	08/21/25	08/21/25 CM	SW846 7470A ¹	SW846 7470A ⁴
Nickel	< 10	10	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Potassium	< 10000	10000	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Selenium	< 10	10	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Silver	< 10	10	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Sodium	33500	10000	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Thallium	< 10	10	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Vanadium	< 50	50	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Zinc	< 20	20	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³

(1) Instrument QC Batch: MA59193

(2) Instrument QC Batch: MA59197

(3) Prep QC Batch: MP56706

(4) Prep QC Batch: MP56713

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	08/19/25
Lab Sample ID:	JE17355-1	Date Received:	08/19/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	08/20/25 10:05	RI	SW846 7196A
Cyanide	< 0.010	0.010	mg/l	1	08/21/25 19:05	JD	EPA 335.4/LACHAT
HEM Oil and Grease	< 5.0	5.0	mg/l	1	08/25/25 17:00	SS	EPA 1664A
Redox Potential Vs H2	320		mv	1	08/22/25 14:28	KG	ASTM D1498-76
pH ^a	7.97		su	1	08/20/25 13:55	GT	SM4500H+ B-11/21

(a) Field analysis required. Received out of hold time and analyzed by request. Temp of pH Reading: 22.34 Deg. C

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	GW-TS-EFFLUENT				
Lab Sample ID:	JE17355-1A			Date Sampled:	08/19/25
Matrix:	AQ - Effluent			Date Received:	08/19/25
Method:	EPA 1633 EPA 1633			Percent Solids:	n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Q36743.D	1	08/21/25 17:16	AM	08/21/25 11:00	OP66496	T2Q411
Run #2							

	Initial Volume	Final Volume
Run #1	499 ml	5.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
---------	----------	--------	----	-----	-------	---

PERFLUOROALKYL CARBOXYLIC ACIDS

375-22-4	Perfluorobutanoic acid	0.0084	0.0080	0.00093	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0033	0.0040	0.00073	ug/l	J
307-24-4	Perfluorohexanoic acid	0.0024	0.0020	0.00029	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0028	0.0020	0.00050	ug/l	
335-67-1	Perfluorooctanoic acid	0.0138	0.0020	0.00075	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0020	0.00040	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0020	0.00062	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0020	0.00055	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0020	0.00077	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0020	0.00079	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0020	0.00076	ug/l	

PERFLUOROALKYL SULFONIC ACIDS

375-73-5	Perfluorobutanesulfonic acid	0.0141	0.0020	0.00066	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.0038	0.0020	0.0011	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0020	0.00098	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0074	0.0020	0.00043	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0020	0.0011	ug/l	

FLUOROTELOMER SULFONIC ACIDS

27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0080	0.00091	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0080	0.0015	ug/l	

PERFLUOROCTANE SULFONAMIDES

754-91-6	PFOSA	ND	0.0020	0.00069	ug/l	
----------	-------	----	--------	---------	------	--

PERFLUOROCTANE SULFONAMIDOACETIC ACIDS

2355-31-9	MeFOSAA	ND	0.0020	0.00051	ug/l	
2991-50-6	EtFOSAA	ND	0.0020	0.00091	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	08/19/25
Lab Sample ID:	JE17355-1A	Date Received:	08/19/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	EPA 1633 EPA 1633		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	57%		5-130%
	13C5-PFPeA	95%		40-130%
	13C5-PFHxA	95%		40-130%
	13C4-PFHpA	93%		40-130%
	13C8-PFOA	96%		40-130%
	13C9-PFNA	88%		40-130%
	13C6-PFDA	101%		40-130%
	13C7-PFUnDA	88%		30-130%
	13C2-PFDoDA	72%		10-130%
	13C2-PFTeDA	63%		10-130%
	13C3-PFBS	107%		40-135%
	13C3-PFHxS	97%		40-130%
	13C8-PFOS	90%		40-130%
	13C8-FOSA	98%		40-130%
	d3-MeFOSAA	95%		40-170%
	d5-EtFOSAA	102%		25-135%
	13C2-6:2FTS	102%		40-200%
	13C2-8:2FTS	86%		40-300%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL 732-329-0200
www.sgs.com/ehsusa

Page __ of __

[illegible]

Ref No: G140222909

Page 1 of 2

SGS Sample Receipt Summary

Job Number: JE17355

Client: SESI CONSULTING ENGINEERS

Project: 136 CROTON AVENUE, OSSINING, NY

Date / Time Received: 8/19/2025 12:20:00 PM

Delivery Method: IMP

Airbill #'s:

Cooler Temps (Raw Measured) °C: Cooler 1: (1.9); Cooler 2: (2.3);

Cooler Temps (Corrected) °C: Cooler 1: (1.9); Cooler 2: (2.3);

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | ☒ | ☐ | 3. COC Present: | ☒ | ☐ |
| 2. Custody Seals Intact: | ☒ | ☐ | 4. Smpl Dates/Time OK | ☒ | ☐ |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | ☒ | ☐ |
| 2. Cooler temp verification: | IR-50 | |
| 3. Cooler media: | Ice (Bag) | |
| 4. No. Coolers: | 2 | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| 1. Trip Blank present / cooler: | ☐ | ☒ | ☐ |
| 2. Trip Blank listed on COC: | ☐ | ☒ | ☐ |
| 3. Samples preserved properly: | ☒ | ☐ | |
| 4. VOCs headspace free: | ☒ | ☐ | ☐ |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | ☒ | ☐ |
| 2. Container labeling complete: | ☒ | ☐ |
| 3. Sample container label / COC agree: | ☒ | ☐ |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | ☒ | ☐ |
| 2. All containers accounted for: | ☒ | ☐ |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | ☒ | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | ☒ | |
| 3. Sufficient volume recvd for analysis: | ☒ | ☐ | |
| 4. Compositing instructions clear: | ☐ | ☐ | ☒ |
| 5. Filtering instructions clear: | ☐ | ☐ | ☒ |

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JE17355: Chain of Custody

Page 2 of 2

Appendix M:

Dewatering Data

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

SESI Consulting Engineers

Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

12060

SGS Job Number: JE12386

Sampling Date: 06/02/25

Report to:

anthony.raposo@sesi.org
sharon.cashel@sesi.org

ATTN: Distribution4

Total number of pages in report: 17



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Louie Devletter 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

Sample Summary

SESI Consulting Engineers

Job No: JE12386

Ossining Investigation, 136-140 Croton Avenue, Ossining, NY
Project No: 12060

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
---------------	----------------	---------	----------	------------------	------------------

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

JE12386-1	06/02/25	09:50 TF	06/02/25	AQ	Ground Water	GW-TS
-----------	----------	----------	----------	----	--------------	-------

JE12386-1A	06/02/25	09:50 TF	06/02/25	AQ	Ground Water	GW-TS
------------	----------	----------	----------	----	--------------	-------

Report of Analysis

Page 1 of 2

Client Sample ID:	GW-TS	Date Sampled:	06/02/25
Lab Sample ID:	JE12386-1	Date Received:	06/02/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5A16179.D	1	06/05/25 12:17	ED	n/a	n/a	V5A450
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	78.1	10	3.1	ug/l	
71-43-2	Benzene	1.3	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	16.5	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	0.59	1.0	0.50	ug/l	J
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	3.5	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS	Date Sampled:	06/02/25
Lab Sample ID:	JE12386-1	Date Received:	06/02/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate ^a	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	2.0	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	13.8	1.0	0.78	ug/l	
95-47-6	o-Xylene	8.2	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	22.0	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	96%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	C3 alkyl benzene	6.96	5.1	ug/l	J
95-63-6	Benzene, 1,2,4-trimethyl-	7.28	7.1	ug/l	JN
	Total TIC, Volatile		12.2	ug/l	J

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	GW-TS	Date Sampled:	06/02/25
Lab Sample ID:	JE12386-1	Date Received:	06/02/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P521275.D	1	06/05/25 13:59	AO	06/04/25 12:00	OP64094	E6P4414
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol ^a	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol ^a	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	4.0	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol ^a	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol ^a	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	0.23	1.0	0.20	ug/l	J
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate ^a	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline ^b	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	0.37	1.0	0.23	ug/l	J

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS	Date Sampled:	06/02/25
Lab Sample ID:	JE12386-1	Date Received:	06/02/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether ^a	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene ^a	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene ^a	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine ^a	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	67.3	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	0.37	1.0	0.17	ug/l	J
86-73-7	Fluorene	0.45	1.0	0.17	ug/l	J
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene ^a	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	1.8	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline ^a	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	1.7	1.0	0.23	ug/l	
98-95-3	Nitrobenzene ^a	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	0.74	1.0	0.18	ug/l	J
129-00-0	Pyrene	0.65	1.0	0.22	ug/l	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		10-71%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS	Date Sampled:	06/02/25
Lab Sample ID:	JE12386-1	Date Received:	06/02/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	25%		10-58%
118-79-6	2,4,6-Tribromophenol	108%		22-144%
4165-60-0	Nitrobenzene-d5	88%		28-118%
321-60-8	2-Fluorobiphenyl	91%		34-116%
1718-51-0	Terphenyl-d14	91%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
103-82-2	Benzeneacetic acid	5.75	14	ug/l	JN
	Unknown acid	6.40	8.2	ug/l	J
	Unknown	7.59	40	ug/l	J
	Alkane	7.61	7.7	ug/l	J
	Unknown phthalate	7.90	13	ug/l	J
	Alkane	8.31	10	ug/l	J
	Unknown	8.45	11	ug/l	J
	Alkane	8.57	9.2	ug/l	J
	Alkane	8.67	8	ug/l	J
	Unknown	9.12	8.6	ug/l	J
	Unknown	9.46	11	ug/l	J
	2H-1-Benzopyran--one, -(diethylami	9.68	26	ug/l	J
	Alkane	9.79	7.4	ug/l	J
	Unknown	9.87	53	ug/l	J
	Unknown	10.02	12	ug/l	J
	Unknown	10.42	7.4	ug/l	J
	Unknown	10.56	6.8	ug/l	J
	Unknown	10.78	17	ug/l	J
	Unknown	10.97	7.3	ug/l	J
	Unknown phthalate	11.02	8.4	ug/l	J
	Unknown phthalate	11.11	29	ug/l	J
	Unknown	11.18	7.9	ug/l	J
	Unknown phthalate	11.37	39	ug/l	J
	Unknown	12.10	13	ug/l	J
	Total TIC, Semi-Volatile		374.9	ug/l	J

(a) Associated CCV outside of control limits high, sample was ND.

(b) Associated CCV outside of control limits low. Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS						
Lab Sample ID:	JE12386-1					Date Sampled:	06/02/25
Matrix:	AQ - Ground Water					Date Received:	06/02/25
Method:	SW846 8270E BY SIM SW846 3510C					Percent Solids:	n/a
Project:	Ossining Investigation, 136-140 Croton Avenue, Ossining, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M130740.D	1	06/05/25 14:22	AO	06/04/25 12:00	OP64094A	E4M6136
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	96%		23-127%
321-60-8	2-Fluorobiphenyl	84%		23-114%
1718-51-0	Terphenyl-d14	79%		10-121%

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS	Date Sampled:	06/02/25
Lab Sample ID:	JE12386-1	Date Received:	06/02/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8081B SW846 3510C		
Project:	Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK28578.D	1	06/06/25 03:21	CP	06/05/25 09:00	OP64133	GRK842
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0050	0.0026	ug/l	
319-84-6	alpha-BHC	ND	0.0050	0.0026	ug/l	
319-85-7	beta-BHC	ND	0.0050	0.0040	ug/l	
319-86-8	delta-BHC	ND	0.0050	0.0033	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0050	0.0030	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0050	0.0025	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0050	0.0021	ug/l	
60-57-1	Dieldrin	ND	0.0050	0.0038	ug/l	
72-54-8	4,4' -DDD	ND	0.0050	0.0029	ug/l	
72-55-9	4,4' -DDE	ND	0.0050	0.0025	ug/l	
50-29-3	4,4' -DDT	ND	0.0050	0.0034	ug/l	
72-20-8	Endrin	ND	0.0050	0.0030	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0050	0.0027	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0050	0.0034	ug/l	
53494-70-5	Endrin ketone	ND	0.0050	0.0031	ug/l	
959-98-8	Endosulfan-I	ND	0.0050	0.0026	ug/l	
33213-65-9	Endosulfan-II	ND	0.0050	0.0024	ug/l	
76-44-8	Heptachlor ^a	0.011	0.0050	0.0022	ug/l	
1024-57-3	Heptachlor epoxide ^a	0.0053	0.0050	0.0030	ug/l	
72-43-5	Methoxychlor	ND	0.010	0.0034	ug/l	
8001-35-2	Toxaphene	ND	0.13	0.082	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	58%		10-175%
877-09-8	Tetrachloro-m-xylene	56%		10-175%
2051-24-3	Decachlorobiphenyl	21%		10-128%
2051-24-3	Decachlorobiphenyl	21%		10-128%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS						
Lab Sample ID:	JE12386-1					Date Sampled:	06/02/25
Matrix:	AQ - Ground Water					Date Received:	06/02/25
Method:	SW846 8082A SW846 3510C					Percent Solids:	n/a
Project:	Ossining Investigation, 136-140 Croton Avenue, Ossining, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2521884.D	1	06/07/25 03:52	CP	06/05/25 09:00	OP64134	GXX8868
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.25	0.098	ug/l	
11104-28-2	Aroclor 1221	ND	0.25	0.21	ug/l	
11141-16-5	Aroclor 1232	ND	0.25	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.25	0.23	ug/l	
12672-29-6	Aroclor 1248	ND	0.25	0.22	ug/l	
11097-69-1	Aroclor 1254	ND	0.25	0.21	ug/l	
11096-82-5	Aroclor 1260	ND	0.25	0.21	ug/l	
11100-14-4	Aroclor 1268	ND	0.25	0.087	ug/l	
37324-23-5	Aroclor 1262	ND	0.25	0.23	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	46%		10-169%
877-09-8	Tetrachloro-m-xylene	43%		10-169%
2051-24-3	Decachlorobiphenyl	27%		10-130%
2051-24-3	Decachlorobiphenyl	24%		10-130%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS	Date Sampled:	06/02/25
Lab Sample ID:	JE12386-1	Date Received:	06/02/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Antimony	< 6.0	6.0	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Arsenic	< 3.0	3.0	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Barium	< 200	200	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Beryllium	< 1.0	1.0	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Cadmium	3.9	3.0	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Calcium	56300	5000	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Chromium	329	10	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Cobalt	< 50	50	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Copper	< 10	10	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Iron	288	100	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Lead	< 3.0	3.0	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Magnesium	< 5000	5000	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Manganese	< 15	15	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Mercury	< 0.20	0.20	ug/l	1	06/04/25	06/04/25 CM	SW846 7470A ²	SW846 7470A ⁴
Nickel	< 10	10	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Potassium	48000	10000	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Selenium	< 10	10	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Silver	< 10	10	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Sodium	52600	10000	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Thallium	< 10	10	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Vanadium	< 50	50	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³
Zinc	25.3	20	ug/l	1	06/03/25	06/03/25 LM	SW846 6010D ¹	SW846 3010A ³

(1) Instrument QC Batch: MA58656

(2) Instrument QC Batch: MA58659

(3) Prep QC Batch: MP54857

(4) Prep QC Batch: MP54894

RL = Reporting Limit

Report of Analysis

Client Sample ID:	GW-TS	Date Sampled:	06/02/25
Lab Sample ID:	JE12386-1	Date Received:	06/02/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	06/06/25 14:32	JD	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	GW-TS						
Lab Sample ID:	JE12386-1A					Date Sampled:	06/02/25
Matrix:	AQ - Ground Water					Date Received:	06/02/25
Method:	EPA 1633 EPA 1633					Percent Solids:	n/a
Project:	Ossining Investigation, 136-140 Croton Avenue, Ossining, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1Q26737.D	1	06/05/25 17:03	AM	06/04/25 09:00	OP64117	T1Q378
Run #2 ^a	4Q8853.D	1	06/09/25 18:29	MH	06/07/25 19:00	OP64223	T4Q159

	Initial Volume	Final Volume
Run #1	505 ml	5.0 ml
Run #2	56.0 ml	5.0 ml

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
---------	----------	--------	----	-----	-------	---

PERFLUOROALKYL CARBOXYLIC ACIDS

375-22-4	Perfluorobutanoic acid	ND	0.0079	0.00092	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0099	0.0040	0.00072	ug/l	
307-24-4	Perfluorohexanoic acid	0.0061	0.0020	0.00029	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0037	0.0020	0.00050	ug/l	
335-67-1	Perfluorooctanoic acid	0.0090	0.0020	0.00074	ug/l	
375-95-1	Perfluorononanoic acid	0.0017	0.0020	0.00040	ug/l	J
335-76-2	Perfluorodecanoic acid	0.0010	0.0020	0.00061	ug/l	J
2058-94-8	Perfluoroundecanoic acid	ND	0.0020	0.00054	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0020	0.00076	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0020	0.00078	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0020	0.00075	ug/l	

PERFLUOROALKYL SULFONIC ACIDS

375-73-5	Perfluorobutanesulfonic acid	0.0033	0.0020	0.00065	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.0019	0.0020	0.0011	ug/l	J
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0020	0.00097	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0115	0.0020	0.00043	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0020	0.0011	ug/l	

FLUOROTELOMER SULFONIC ACIDS

27619-97-2	6:2 Fluorotelomer sulfonate	0.0024	0.0079	0.00090	ug/l	J
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0079	0.0014	ug/l	

PERFLUOROCTANE SULFONAMIDES

754-91-6	PFOSA	ND	0.0020	0.00068	ug/l	
----------	-------	----	--------	---------	------	--

PERFLUOROCTANE SULFONAMIDOACETIC ACIDS

2355-31-9	MeFOSAA	ND	0.0020	0.00050	ug/l	
2991-50-6	EtFOSAA	ND	0.0020	0.00090	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	GW-TS	Date Sampled:	06/02/25
Lab Sample ID:	JE12386-1A	Date Received:	06/02/25
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 1633 EPA 1633		
Project:	Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	3% ^b	88%	5-130%
	13C5-PFPeA	14% ^b	86%	40-130%
	13C5-PFHxA	88%	87%	40-130%
	13C4-PFHpA	116%	92%	40-130%
	13C8-PFOA	101%	85%	40-130%
	13C9-PFNA	104%	88%	40-130%
	13C6-PFDA	111%	89%	40-130%
	13C7-PFUnDA	114%	90%	30-130%
	13C2-PFDoDA	109%	75%	10-130%
	13C2-PFTeDA	61%	60%	10-130%
	13C3-PFBS	90%	93%	40-135%
	13C3-PFHxS	103%	90%	40-130%
	13C8-PFOS	88%	89%	40-130%
	13C8-FOSA	89%	92%	40-130%
	d3-MeFOSAA	121%	88%	40-170%
	d5-EtFOSAA	111%	86%	25-135%
	13C2-6:2FTS	224% ^b	101%	40-200%
	13C2-8:2FTS	170%	102%	40-300%

(a) Confirmation run.

(b) Outside control limits.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



Page of

Page of 22

FED-EX Tracking #

Bottle Order Control #	
------------------------	--

~~TEL: 702-222-0600~~

SGS Job #

EHSA-QAC-0023-06 Rev.Date:9/24/2024

~~CONFIDENTIAL~~

17-50

Page 1 of 3

SGS Sample Receipt Summary

Job Number: je12386

Client: SESI CONSULTING ENGINEERS

Project: 136 CROTON AVENUE, OSSINING, NY

Date / Time Received: 6/2/2025 3:30:00 PM

Delivery Method: SGS COURIER

Airbill #s:
Cooler Temps (Raw Measured) °C: Cooler 1: (3.3); Cooler 2: (4.3);

Cooler Temps (Corrected) °C: Cooler 1: (3.3); Cooler 2: (4.3);

Cooler Security
Y or N

1. Custody Seals Present: ☒ ☐
2. Custody Seals Intact: ☒ ☐

3. COC Present: ☒ ☐
4. Smpl Dates/Time OK ☒ ☐

Cooler Temperature
Y or N

1. Temp criteria achieved: ☒ ☐
2. Cooler temp verification: IR-50
3. Cooler media: Ice (Bag)
4. No. Coolers: 2

Quality Control Preservation
Y or N N/A

1. Trip Blank present / cooler: ☐ ☒ ☐
2. Trip Blank listed on COC: ☐ ☒ ☐
3. Samples preserved properly: ☒ ☐
4. VOCs headspace free: ☒ ☐ ☐

Sample Integrity - Documentation
Y or N

1. Sample labels present on bottles: ☒ ☐
2. Container labeling complete: ☒ ☐
3. Sample container label / COC agree: ☒ ☐

Sample Integrity - Condition
Y or N

1. Sample recvd within HT: ☒ ☐
2. All containers accounted for: ☒ ☐
3. Condition of sample: Intact

Sample Integrity - Instructions
Y or N N/A

1. Analysis requested is clear: ☒ ☐
2. Bottles received for unspecified tests: ☐ ☒
3. Sufficient volume recvd for analysis: ☒ ☐
4. Compositing instructions clear: ☐ ☐ ☒
5. Filtering instructions clear: ☐ ☐ ☒

Test Strip Lot #s:

Other: (Specify)
Comments

- 1). Please provide the requested analyses.
Collection date on COC 3/2/25, should be 6/2/25?

JE12386: Chain of Custody

Page 2 of 3

Responded to by: Louie DeVletter

Response Date: 6/3/2025

Analyze -1 for XTCL20+, B8270SIMDIOX, LCID1633NY21. Collection date 6/2/2025.

JE12386: Chain of Custody
Page 3 of 3

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

SESI Consulting Engineers

12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

12060

SGS Job Number: JE13550

Sampling Date: 06/18/25

Report to:

anthony.raposo@sesi.org
sharon.cashel@sesi.org

ATTN: Distribution4

Total number of pages in report: 17



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Louie Devletter 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

Sample Summary

SESI Consulting Engineers

Job No: JE13550

12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY
Project No: 12060

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
---------------	----------------	---------	----------	-------------	------	------------------

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

JE13550-1	06/18/25	15:51	TF	06/19/25	AQ	Effluent	GW-TS-EFFLUENT
JE13550-1A	06/18/25	15:51	TF	06/19/25	AQ	Effluent	GW-TS-EFFLUENT

Report of Analysis

Page 1 of 2

Client Sample ID:	GW-TS-EFFLUENT	
Lab Sample ID:	JE13550-1	Date Sampled: 06/18/25
Matrix:	AQ - Effluent	Date Received: 06/19/25
Method:	SW846 8260D	Percent Solids: n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2N23498.D	1	06/20/25 19:22	ED	n/a	n/a	V2N568
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	146	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	249	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane ^b	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	06/18/25
Lab Sample ID:	JE13550-1	Date Received:	06/19/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate ^a	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane ^c	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^a	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	99%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
109-99-9	Furan, tetrahydro-	4.24	32	ug/l	JN
	Total TIC, Volatile		32	ug/l	J

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

(b) Associated CCV outside of control limits high, sample was ND.

(c) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	GW-TS-EFFLUENT	
Lab Sample ID:	JE13550-1	Date Sampled: 06/18/25
Matrix:	AQ - Effluent	Date Received: 06/19/25
Method:	SW846 8270E SW846 3510C	Percent Solids: n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F226776.D	1	06/23/25 19:38	AO	06/20/25 18:53	OP64664	EF10073
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol ^a	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol ^a	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol ^a	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine ^a	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate ^a	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline ^b	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	06/18/25
Lab Sample ID:	JE13550-1	Date Received:	06/19/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene ^a	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene ^a	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene ^a	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%		10-71%

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	06/18/25
Lab Sample ID:	JE13550-1	Date Received:	06/19/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	20%		10-58%
118-79-6	2,4,6-Tribromophenol	112%		22-144%
4165-60-0	Nitrobenzene-d5	60%		28-118%
321-60-8	2-Fluorobiphenyl	57%		34-116%
1718-51-0	Terphenyl-d14	80%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Unknown	5.10	40	ug/l	J
	Unknown	6.12	6.5	ug/l	J
	Unknown	6.19	5.9	ug/l	J
	Internal standard added for SIM test	6.24	4.4	ug/l	J
	Internal standard added for SIM test	7.57	4.7	ug/l	J
	Internal standard added for SIM test	10.31	4.6	ug/l	J
	Unknown	11.71	6.9	ug/l	J
	Internal standard added for SIM test	14.52	4	ug/l	J
	Total TIC, Semi-Volatile		59.3	ug/l	J

(a) Associated CCV outside of control limits high, sample was ND.

(b) Associated BS/BSD outside control limits biased low.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT				
Lab Sample ID:	JE13550-1			Date Sampled:	06/18/25
Matrix:	AQ - Effluent			Date Received:	06/19/25
Method:	SW846 8270E BY SIM SW846 3510C			Percent Solids:	n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR12503.D	1	06/23/25 20:31	TL	06/20/25 18:53	OP64664A	ECR601
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane ^a	ND	0.10	0.050	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
4165-60-0	Nitrobenzene-d5	63%		23-127%		
321-60-8	2-Fluorobiphenyl	52%		23-114%		
1718-51-0	Terphenyl-d14	71%		10-121%		

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT			Date Sampled:	06/18/25
Lab Sample ID:	JE13550-1			Date Received:	06/19/25
Matrix:	AQ - Effluent			Percent Solids:	n/a
Method:	SW846 8081B SW846 3510C				
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G210113.D	1	06/24/25 01:01	CP	06/23/25 08:30	OP64661	G1G7599
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0050	0.0026	ug/l	
319-84-6	alpha-BHC	ND	0.0050	0.0026	ug/l	
319-85-7	beta-BHC	ND	0.0050	0.0040	ug/l	
319-86-8	delta-BHC	ND	0.0050	0.0033	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0050	0.0030	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0050	0.0025	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0050	0.0021	ug/l	
60-57-1	Dieldrin	ND	0.0050	0.0038	ug/l	
72-54-8	4,4' -DDD	ND	0.0050	0.0029	ug/l	
72-55-9	4,4' -DDE	ND	0.0050	0.0025	ug/l	
50-29-3	4,4' -DDT	ND	0.0050	0.0034	ug/l	
72-20-8	Endrin	ND	0.0050	0.0030	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0050	0.0027	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0050	0.0034	ug/l	
53494-70-5	Endrin ketone	ND	0.0050	0.0031	ug/l	
959-98-8	Endosulfan-I	ND	0.0050	0.0026	ug/l	
33213-65-9	Endosulfan-II	ND	0.0050	0.0024	ug/l	
76-44-8	Heptachlor	ND	0.0050	0.0022	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0050	0.0030	ug/l	
72-43-5	Methoxychlor	ND	0.010	0.0034	ug/l	
8001-35-2	Toxaphene	ND	0.13	0.082	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	107%		10-175%
877-09-8	Tetrachloro-m-xylene	103%		10-175%
2051-24-3	Decachlorobiphenyl	61%		10-128%
2051-24-3	Decachlorobiphenyl	60%		10-128%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT			Date Sampled:	06/18/25
Lab Sample ID:	JE13550-1			Date Received:	06/19/25
Matrix:	AQ - Effluent			Percent Solids:	n/a
Method:	SW846 8082A SW846 3510C				
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G149114.D	1	06/23/25 19:14	KM	06/23/25 08:30	OP64662	G3G5481
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.25	0.098	ug/l	
11104-28-2	Aroclor 1221	ND	0.25	0.21	ug/l	
11141-16-5	Aroclor 1232	ND	0.25	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.25	0.23	ug/l	
12672-29-6	Aroclor 1248	ND	0.25	0.22	ug/l	
11097-69-1	Aroclor 1254	ND	0.25	0.21	ug/l	
11096-82-5	Aroclor 1260	ND	0.25	0.21	ug/l	
11100-14-4	Aroclor 1268	ND	0.25	0.087	ug/l	
37324-23-5	Aroclor 1262	ND	0.25	0.23	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		10-169%
877-09-8	Tetrachloro-m-xylene	86%		10-169%
2051-24-3	Decachlorobiphenyl	54%		10-130%
2051-24-3	Decachlorobiphenyl	59%		10-130%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	06/18/25
Lab Sample ID:	JE13550-1	Date Received:	06/19/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	34000	200	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Antimony	< 6.0	6.0	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Arsenic	3.1	3.0	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Barium	470	200	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Calcium	45300	5000	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Chromium	92.0	10	ug/l	1	06/23/25	06/24/25 LM	SW846 6010D ³	SW846 3010A ⁴
Cobalt	< 50	50	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Copper	54.6	10	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Iron	51100	100	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Lead	15.3	3.0	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Magnesium	21000	5000	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Manganese	755	15	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Mercury	< 1.2	1.2	ug/l	1	06/20/25	06/20/25 CM	SW846 7470A ¹	SW846 7470A ⁵
Nickel	46.3	10	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Potassium	22700	10000	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Silver	< 10	10	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Sodium	17700	10000	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Thallium	< 10	10	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Vanadium	72.5	50	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴
Zinc	183	20	ug/l	1	06/20/25	06/20/25 LM	SW846 6010D ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA58788

(2) Instrument QC Batch: MA58796

(3) Instrument QC Batch: MA58800

(4) Prep QC Batch: MP55256

(5) Prep QC Batch: MP55272

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	06/18/25
Lab Sample ID:	JE13550-1	Date Received:	06/19/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent ^a	0.030	0.010	mg/l	1	06/20/25 10:15	RI	SW846 7196A
Cyanide	0.010	0.010	mg/l	1	06/23/25 17:24	JD	EPA 335.4/LACHAT
HEM Oil and Grease	< 5.0	5.0	mg/l	1	06/23/25 17:00	SS	EPA 1664A
Redox Potential Vs H2	319		mv	1	06/20/25 18:56	DB	ASTM D1498-76
pH ^b	7.37		su	1	06/22/25 19:00	MS	SM4500H+ B-11

(a) Analysis done out of holding time.

(b) Field analysis required. Received out of hold time and analyzed by request. Temp of pH Reading: 20.03 Deg. C

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	GW-TS-EFFLUENT	
Lab Sample ID:	JE13550-1A	Date Sampled: 06/18/25
Matrix:	AQ - Effluent	Date Received: 06/19/25
Method:	EPA 1633 EPA 1633	Percent Solids: n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5Q536.D	1	06/20/25 17:53	AM	06/20/25 10:00	OP64639	T5Q117
Run #2							

	Initial Volume	Final Volume
Run #1	472 ml	5.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
---------	----------	--------	----	-----	-------	---

PERFLUOROALKYL CARBOXYLIC ACIDS

375-22-4	Perfluorobutanoic acid	0.0086	0.0085	0.00099	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0084	0.0042	0.00077	ug/l	
307-24-4	Perfluorohexanoic acid	0.0049	0.0021	0.00031	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0037	0.0021	0.00053	ug/l	
335-67-1	Perfluorooctanoic acid	0.0088	0.0021	0.00079	ug/l	
375-95-1	Perfluorononanoic acid	0.0015	0.0021	0.00042	ug/l	J
335-76-2	Perfluorodecanoic acid ^a	ND	0.0021	0.00066	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0021	0.00058	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0021	0.00082	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0021	0.00084	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0021	0.00081	ug/l	

PERFLUOROALKYL SULFONIC ACIDS

375-73-5	Perfluorobutanesulfonic acid	0.0036	0.0021	0.00070	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.0020	0.0021	0.0012	ug/l	J
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0021	0.0010	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0092	0.0021	0.00046	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0021	0.0012	ug/l	

FLUOROTELOMER SULFONIC ACIDS

27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0085	0.00096	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0085	0.0015	ug/l	

PERFLUOROOCTANE SULFONAMIDES

754-91-6	PFOSA	ND	0.0021	0.00073	ug/l	
----------	-------	----	--------	---------	------	--

PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS

2355-31-9	MeFOSAA	ND	0.0021	0.00054	ug/l	
2991-50-6	EtFOSAA ^a	ND	0.0021	0.00096	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	06/18/25
Lab Sample ID:	JE13550-1A	Date Received:	06/19/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	EPA 1633 EPA 1633		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	65%		5-130%
	13C5-PFPeA	82%		40-130%
	13C5-PFHxA	79%		40-130%
	13C4-PFHpA	79%		40-130%
	13C8-PFOA	82%		40-130%
	13C9-PFNA	73%		40-130%
	13C6-PFDA	80%		40-130%
	13C7-PFUnDA	71%		30-130%
	13C2-PFDoDA	57%		10-130%
	13C2-PFTeDA	42%		10-130%
	13C3-PFBS	82%		40-135%
	13C3-PFHxS	81%		40-130%
	13C8-PFOS	77%		40-130%
	13C8-FOSA	77%		40-130%
	d3-MeFOSAA	88%		40-170%
	d5-EtFOSAA	79%		25-135%
	13C2-6:2FTS	118%		40-200%
	13C2-8:2FTS	163%		40-300%

(a) Associated BS outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Page __ of __ *EPN*

FED-EX Tracking #	Bottle Order Control #
999-Quote #	999 Job #

PREM ID 061725 12
JE13550

FHSA-OAC-0023-06 Rev.Date:9/24/2024

SGS Sample Receipt Summary

Job Number: je13550
Client: SESI CONSULTING ENGINEERS
Project: 136 CROTON AVENUE, OSSINING, NY
Date / Time Received: 6/19/2025 9:12:00 PM
Delivery Method: SGS COURIER
Airbill #s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (1.5);

Cooler Temps (Corrected) °C: Cooler 1: (1.5);

Cooler Security
Y or N
Y or N

- | | |
|--|--|
| 1. Custody Seals Present: ☒ ☐ | 3. COC Present: ☒ ☐ |
| 2. Custody Seals Intact: ☒ ☐ | 4. Smpl Dates/Time OK ☒ ☐ |

Cooler Temperature
Y or N

- | | |
|---|--|
| 1. Temp criteria achieved: ☒ ☐ | |
| 2. Cooler temp verification: <u>IR-50</u> | |
| 3. Cooler media: <u>Ice (Bag)</u> | |
| 4. No. Coolers: <u>1</u> | |

Quality Control Preservation
Y or N
N/A

- | | |
|---|--|
| 1. Trip Blank present / cooler: ☐ ☒ ☐ | |
| 2. Trip Blank listed on COC: ☐ ☒ ☐ | |
| 3. Samples preserved properly: ☒ ☐ ☐ | |
| 4. VOCs headspace free: ☒ ☐ ☐ | |

Sample Integrity - Documentation
Y or N

- | | |
|---|--|
| 1. Sample labels present on bottles: ☒ ☐ | |
| 2. Container labeling complete: ☒ ☐ | |
| 3. Sample container label / COC agree: ☒ ☐ | |

Sample Integrity - Condition
Y or N

- | | |
|---|--|
| 1. Sample recvd within HT: ☒ ☐ | |
| 2. All containers accounted for: ☒ ☐ | |
| 3. Condition of sample: <u>Intact</u> | |

Sample Integrity - Instructions
Y or N N/A

- | | |
|--|--|
| 1. Analysis requested is clear: ☒ ☐ | |
| 2. Bottles received for unspecified tests: ☐ ☒ | |
| 3. Sufficient volume recvd for analysis: ☒ ☐ | |
| 4. Compositing instructions clear: ☐ ☐ ☒ | |
| 5. Filtering instructions clear: ☐ ☐ ☒ | |

Test Strip Lot #s:	pH 1-12: <u>231619</u>	pH 12+: <u>203117A</u>	Other: (Specify) _____
--------------------	------------------------	------------------------	------------------------

Comments 1). -1; XCR received OOH. Please confirm

2). -1; Additional TOX and AMN volumes received. Please confirm.

SM089-03
Rev. Date 12/7/17

JE13550: Chain of Custody

Page 2 of 3

Job Change Order: JE13550

Requested Date:	6/20/2025	Received Date:	6/19/2025
Account Name:	SESI Consulting Engineers	Due Date:	6/20/2025
Project Description:	12060, Ossining Investigation, 136-140 Croton A	Deliverable:	NYASPB
C/O Initiated By:	KELLY_RAM PM: LPD	TAT (Days):	3

=====

Sample #:	JE13550-1, 1A	Dept:	
Client ID:		TAT:	3
Change:	Please revise to 3 day TAT, due 6/24		

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

SESI Consulting Engineers

12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

12060

SGS Job Number: JE15383

Sampling Date: 07/17/25

Report to:

anthony.raposo@sesi.org
sharon.cashel@sesi.org

ATTN: Distribution4

Total number of pages in report: 17



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Louie Devletter 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

Sample Summary

SESI Consulting Engineers

Job No: JE15383

12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY
Project No: 12060

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
---------------	----------------	---------	----------	-------------	------	------------------

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

JE15383-1	07/17/25	11:07	TF	07/17/25	AQ	Effluent	GW-TS-EFFLUENT
JE15383-1A	07/17/25	11:07	TF	07/17/25	AQ	Effluent	GW-TS-EFFLUENT

Report of Analysis

Page 1 of 3

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	07/17/25
Lab Sample ID:	JE15383-1	Date Received:	07/17/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1X216411.D	1	07/18/25 18:56	ED	n/a	n/a	V1X9103
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone ^a	258	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane ^b	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	338	10	2.7	ug/l	
75-15-0	Carbon disulfide ^b	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	1.7	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene ^b	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113 ^b	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone ^c	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	07/17/25
Lab Sample ID:	JE15383-1	Date Received:	07/17/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane ^c	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane ^c	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane ^d	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-120%
17060-07-0	1,2-Dichloroethane-D4	90%		80-120%
2037-26-5	Toluene-D8	93%		80-120%
460-00-4	4-Bromofluorobenzene	86%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	ketones	7.39	7.2	ug/l	J
109-99-9	Furan, tetrahydro-	3.24	190	ug/l	JN
	Total TIC, Volatile		197.2	ug/l	J

- (a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte.
- (b) Associated CCV outside of control limits high, sample was ND.
- (c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- (d) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	07/17/25
Lab Sample ID:	JE15383-1	Date Received:	07/17/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
---------	----------	--------	----	-----	-------	---

QC limits bias high.

ND = Not detected	MDL = Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	07/17/25
Lab Sample ID:	JE15383-1	Date Received:	07/17/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M203943.D	1	07/22/25 16:31	AO	07/21/25 08:00	OP65563	EM8830
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	0.78	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	0.85	ug/l	
120-83-2	2,4-Dichlorophenol	ND	1.9	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	2.3	ug/l	
51-28-5	2,4-Dinitrophenol	ND	4.8	1.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	4.8	1.2	ug/l	
95-48-7	2-Methylphenol	ND	1.9	0.85	ug/l	
	3&4-Methylphenol	ND	1.9	0.84	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.91	ug/l	
100-02-7	4-Nitrophenol	ND	9.5	1.1	ug/l	
87-86-5	Pentachlorophenol	ND	3.8	1.3	ug/l	
108-95-2	Phenol	ND	1.9	0.37	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	4.8	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	1.3	4.8	0.88	ug/l	J
83-32-9	Acenaphthene	ND	0.95	0.18	ug/l	
208-96-8	Acenaphthylene	ND	0.95	0.13	ug/l	
98-86-2	Acetophenone	ND	1.9	0.20	ug/l	
120-12-7	Anthracene	ND	0.95	0.20	ug/l	
1912-24-9	Atrazine	ND	1.9	0.43	ug/l	
100-52-7	Benzaldehyde	ND	4.8	0.28	ug/l	
56-55-3	Benzo(a)anthracene	0.25	0.95	0.19	ug/l	J
50-32-8	Benzo(a)pyrene	ND	0.95	0.20	ug/l	
205-99-2	Benzo(b)fluoranthene	0.23	0.95	0.20	ug/l	J
191-24-2	Benzo(g,h,i)perylene	ND	0.95	0.32	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.95	0.20	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	1.9	0.38	ug/l	
85-68-7	Butyl benzyl phthalate	ND	1.9	0.44	ug/l	
92-52-4	1,1'-Biphenyl	ND	0.95	0.20	ug/l	
91-58-7	2-Chloronaphthalene	ND	1.9	0.22	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	0.32	ug/l	
86-74-8	Carbazole	ND	0.95	0.22	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	07/17/25
Lab Sample ID:	JE15383-1	Date Received:	07/17/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	1.9	0.62	ug/l	J
218-01-9	Chrysene	0.18	0.95	0.17	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	1.9	0.26	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	1.9	0.24	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	1.9	0.38	ug/l	J
7005-72-3	4-Chlorophenyl phenyl ether	ND	1.9	0.35	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.95	0.53	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.95	0.45	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	1.9	0.48	ug/l	
123-91-1	1,4-Dioxane	ND	0.95	0.63	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.95	0.32	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.21	ug/l	
84-74-2	Di-n-butyl phthalate	ND	1.9	0.47	ug/l	
117-84-0	Di-n-octyl phthalate	ND	1.9	0.22	ug/l	
84-66-2	Diethyl phthalate	ND	1.9	0.25	ug/l	
131-11-3	Dimethyl phthalate	ND	1.9	0.21	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	3.8	1.9	1.6	ug/l	
206-44-0	Fluoranthene	0.25	0.95	0.16	ug/l	
86-73-7	Fluorene	ND	0.95	0.16	ug/l	
118-74-1	Hexachlorobenzene	ND	0.95	0.31	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.95	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene ^a	ND	9.5	2.6	ug/l	
67-72-1	Hexachloroethane	ND	1.9	0.37	ug/l	J
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.95	0.32	ug/l	
78-59-1	Isophorone	ND	1.9	0.26	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.95	0.20	ug/l	
88-74-4	2-Nitroaniline	ND	4.8	0.26	ug/l	
99-09-2	3-Nitroaniline	ND	4.8	0.37	ug/l	
100-01-6	4-Nitroaniline	ND	4.8	0.42	ug/l	
91-20-3	Naphthalene	ND	0.95	0.22	ug/l	
98-95-3	Nitrobenzene	ND	1.9	0.61	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	1.9	0.46	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	0.21	ug/l	
85-01-8	Phenanthrene	ND	0.95	0.17	ug/l	J
129-00-0	Pyrene	0.25	0.95	0.21	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	1.9	0.35	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	19%		10-71%

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	07/17/25
Lab Sample ID:	JE15383-1	Date Received:	07/17/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
4165-62-2	Phenol-d5	14%		10-58%		
118-79-6	2,4,6-Tribromophenol	33%		22-144%		
4165-60-0	Nitrobenzene-d5	42%		28-118%		
321-60-8	2-Fluorobiphenyl	42%		34-116%		
1718-51-0	Terphenyl-d14	22%		10-127%		

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Unknown	5.60	26	ug/l	J
	Unknown	5.67	54	ug/l	J
	Unknown	5.74	20	ug/l	J
	Unknown	8.50	13	ug/l	J
	Unknown	8.54	28	ug/l	J
	Unknown	8.59	16	ug/l	J
	Unknown	8.67	35	ug/l	J
	Unknown	8.73	23	ug/l	J
	Unknown	8.78	15	ug/l	J
	Unknown	9.92	23	ug/l	J
	Unknown	10.04	15	ug/l	J
	Unknown	10.31	9.9	ug/l	J
	Unknown	10.48	9	ug/l	J
	Unknown	10.63	11	ug/l	J
	Unknown	10.74	8.7	ug/l	J
	Unknown	11.10	17	ug/l	J
	Alkane	11.12	45	ug/l	J
	Alkane	11.50	30	ug/l	J
	Unknown phthalate	11.68	23	ug/l	J
	Alkane	11.86	13	ug/l	J
	Alkane	12.21	14	ug/l	J
	Alkane	12.55	38	ug/l	J
	Unknown	12.92	8.8	ug/l	J
	Unknown	13.01	27	ug/l	J
	Unknown	13.36	56	ug/l	J
	Total TIC, Semi-Volatile		578.4	ug/l	J

(a) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT			Date Sampled:	07/17/25
Lab Sample ID:	JE15383-1			Date Received:	07/17/25
Matrix:	AQ - Effluent			Percent Solids:	n/a
Method:	SW846 8270E BY SIM SW846 3510C				
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M131298.D	1	07/22/25 14:46	AO	07/21/25 08:00	OP65563A	E4M6165
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
4165-60-0	Nitrobenzene-d5	41%		23-127%		
321-60-8	2-Fluorobiphenyl	37%		23-114%		
1718-51-0	Terphenyl-d14	20%		10-121%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT			Date Sampled:	07/17/25
Lab Sample ID:	JE15383-1			Date Received:	07/17/25
Matrix:	AQ - Effluent			Percent Solids:	n/a
Method:	SW846 8081B SW846 3510C				
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK30099.D	1	07/24/25 18:32	MLC	07/23/25 08:55	OP65618	GRK903
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0050	0.0026	ug/l	
319-84-6	alpha-BHC	ND	0.0050	0.0026	ug/l	
319-85-7	beta-BHC ^a	0.0070	0.0050	0.0040	ug/l	
319-86-8	delta-BHC	ND	0.0050	0.0033	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0050	0.0030	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0050	0.0025	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0050	0.0021	ug/l	
60-57-1	Dieldrin	ND	0.0050	0.0038	ug/l	
72-54-8	4,4' -DDD	ND	0.0050	0.0029	ug/l	
72-55-9	4,4' -DDE	ND	0.0050	0.0025	ug/l	
50-29-3	4,4' -DDT	ND	0.0050	0.0034	ug/l	
72-20-8	Endrin	ND	0.0050	0.0030	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0050	0.0027	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0050	0.0034	ug/l	
53494-70-5	Endrin ketone	ND	0.0050	0.0031	ug/l	
959-98-8	Endosulfan-I	0.012	0.0050	0.0026	ug/l	
33213-65-9	Endosulfan-II	ND	0.0050	0.0024	ug/l	
76-44-8	Heptachlor	ND	0.0050	0.0022	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0050	0.0030	ug/l	
72-43-5	Methoxychlor	ND	0.010	0.0034	ug/l	
8001-35-2	Toxaphene	ND	0.13	0.082	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	123%		10-175%
877-09-8	Tetrachloro-m-xylene	73%		10-175%
2051-24-3	Decachlorobiphenyl	112%		10-128%
2051-24-3	Decachlorobiphenyl	116%		10-128%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT		Date Sampled:	07/17/25
Lab Sample ID:	JE15383-1		Date Received:	07/17/25
Matrix:	AQ - Effluent		Percent Solids:	n/a
Method:	SW846 8082A SW846 3510C			
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY			

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G150415.D	1	07/24/25 16:29	MLC	07/23/25 08:55	OP65619	G3G5514
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.050	0.020	ug/l	
11104-28-2	Aroclor 1221	ND	0.050	0.042	ug/l	
11141-16-5	Aroclor 1232	ND	0.050	0.026	ug/l	
53469-21-9	Aroclor 1242	ND	0.050	0.047	ug/l	
12672-29-6	Aroclor 1248	ND	0.050	0.043	ug/l	
11097-69-1	Aroclor 1254	ND	0.050	0.041	ug/l	
11096-82-5	Aroclor 1260	ND	0.050	0.042	ug/l	
11100-14-4	Aroclor 1268	ND	0.050	0.017	ug/l	
37324-23-5	Aroclor 1262	ND	0.050	0.046	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	22%		10-169%
877-09-8	Tetrachloro-m-xylene	15%		10-169%
2051-24-3	Decachlorobiphenyl	24%		10-130%
2051-24-3	Decachlorobiphenyl	34%		10-130%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	07/17/25
Lab Sample ID:	JE15383-1	Date Received:	07/17/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Aluminum	90500	200	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Antimony	< 6.0	6.0	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Arsenic ^a	< 15	15	ug/l	5	07/22/25	07/23/25	MM	SW846 6010D ³	SW846 3010A ⁴
Barium	11000	1000	ug/l	5	07/22/25	07/23/25	MM	SW846 6010D ³	SW846 3010A ⁴
Beryllium	10.5	1.0	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Calcium	548000	25000	ug/l	5	07/22/25	07/23/25	MM	SW846 6010D ³	SW846 3010A ⁴
Chromium	60.1	10	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Cobalt	195	50	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Copper	300	10	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Iron	66100	100	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Lead	105	3.0	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Magnesium	163000	5000	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Manganese	14300	75	ug/l	5	07/22/25	07/23/25	MM	SW846 6010D ³	SW846 3010A ⁴
Mercury	< 1.2	1.2	ug/l	1	07/22/25	07/22/25	CM	SW846 7470A ¹	SW846 7470A ⁵
Nickel	150	10	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Potassium	34100	10000	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Silver	< 10	10	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Sodium	30300	10000	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Thallium	< 10	10	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Vanadium	359	50	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴
Zinc	584	20	ug/l	1	07/22/25	07/22/25	MM	SW846 6010D ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA58996

(2) Instrument QC Batch: MA59004

(3) Instrument QC Batch: MA59007

(4) Prep QC Batch: MP55990

(5) Prep QC Batch: MP56018

(a) Elevated detection limit due to dilution required for high interfering element.

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	07/17/25
Lab Sample ID:	JE15383-1	Date Received:	07/17/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.040	0.010	mg/l	1	07/18/25 09:30	RI	SW846 7196A
Cyanide	0.012	0.010	mg/l	1	07/22/25 18:06	JD	EPA 335.4/LACHAT
HEM Oil and Grease	< 250	250	mg/l	1	07/23/25 13:30	SS	EPA 1664A
Redox Potential Vs H2	338		mv	1	07/18/25 18:48	KG	ASTM D1498-76
pH ^a	8.01		su	1	07/22/25 17:58	GT	SM4500H+ B-11/21

(a) Field analysis required. Received out of hold time and analyzed by request. Temp of pH Reading: 22.54 Deg. C

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	07/17/25
Lab Sample ID:	JE15383-1A	Date Received:	07/17/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	EPA 1633 EPA 1633		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6Q1684.D	1	07/29/25 16:26	AA	07/25/25 18:00	OP65715	T6Q144
Run #2							

	Initial Volume	Final Volume
Run #1	513 ml	5.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
---------	----------	--------	----	-----	-------	---

PERFLUOROALKYL CARBOXYLIC ACIDS

375-22-4	Perfluorobutanoic acid	0.0084	0.0078	0.00091	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0040	0.0039	0.00071	ug/l	
307-24-4	Perfluorohexanoic acid	0.0071	0.0019	0.00028	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0013	0.0019	0.00049	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0039	0.0019	0.00073	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0019	0.00039	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0019	0.00060	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0019	0.00054	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0019	0.00075	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0019	0.00077	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0019	0.00074	ug/l	

PERFLUOROALKYL SULFONIC ACIDS

375-73-5	Perfluorobutanesulfonic acid	0.0023	0.0019	0.00064	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0019	0.0011	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0019	0.00096	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0026	0.0019	0.00042	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0019	0.0011	ug/l	

FLUOROTELOMER SULFONIC ACIDS

27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0078	0.00089	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0078	0.0014	ug/l	

PERFLUOROOCTANE SULFONAMIDES

754-91-6	PFOSA	ND	0.0019	0.00067	ug/l	
----------	-------	----	--------	---------	------	--

PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS

2355-31-9	MeFOSAA	ND	0.0019	0.00050	ug/l	
2991-50-6	EtFOSAA	ND	0.0019	0.00089	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	07/17/25
Lab Sample ID:	JE15383-1A	Date Received:	07/17/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	EPA 1633 EPA 1633		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	52%		5-130%
	13C5-PFPeA	63%		40-130%
	13C5-PFHxA	62%		40-130%
	13C4-PFHpA	64%		40-130%
	13C8-PFOA	62%		40-130%
	13C9-PFNA	59%		40-130%
	13C6-PFDA	62%		40-130%
	13C7-PFUnDA	60%		30-130%
	13C2-PFDoDA	48%		10-130%
	13C2-PFTeDA	36%		10-130%
	13C3-PFBS	64%		40-135%
	13C3-PFHxS	63%		40-130%
	13C8-PFOS	66%		40-130%
	13C8-FOSA	57%		40-130%
	d3-MeFOSAA	73%		40-170%
	d5-EtFOSAA	74%		25-135%
	13C2-6:2FTS	110%		40-200%
	13C2-8:2FTS	144%		40-300%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

SGS North America Inc., Dayton

SGS North America Inc., Dayton

~~2255 Route 130, Dayton, Nc 00010~~

TEL. 732-329-0200

JE15383

1993, E.V. Tschaplinski et al.

SGS Job #	
-----------	--

Barin - 41 - 0735-30

[illegible]

EHSA-QAC-0023-06 Rev. Date: 9/24/2024

- ADC, RF
2-0

JE15383: Chain of Custody

Page 1 of 2

SGS Sample Receipt Summary

Job Number: JE15383

Client: SESI CONSULTING ENGINEERS

Project: 136 CROTON AVENUE, OSSINING, NY

Date / Time Received: 7/17/2025 2:00:00 PM

Delivery Method: CLIENT

Airbill #s:
Cooler Temps (Raw Measured) °C: Cooler 1: (1.0); Cooler 2: (2.0);

Cooler Temps (Corrected) °C: Cooler 1: (1.0); Cooler 2: (2.0);

Cooler Security
Y or N
Y or N

- | | |
|--|--|
| 1. Custody Seals Present: ☒ ☐ | 3. COC Present: ☒ ☐ |
| 2. Custody Seals Intact: ☒ ☐ | 4. Smpl Dates/Time OK ☒ ☐ |

Cooler Temperature
Y or N

- | | |
|---|--|
| 1. Temp criteria achieved: ☒ ☐ | |
| 2. Cooler temp verification: IR-50 | |
| 3. Cooler media: Ice (Bag) | |
| 4. No. Coolers: 2 | |

Quality Control Preservation
Y or N
N/A

- | | |
|---|--|
| 1. Trip Blank present / cooler: ☐ ☒ ☐ | |
| 2. Trip Blank listed on COC: ☐ ☒ ☐ | |
| 3. Samples preserved properly: ☒ ☐ ☐ | |
| 4. VOCs headspace free: ☒ ☐ ☐ | |

Sample Integrity - Documentation
Y or N

- | | |
|---|--|
| 1. Sample labels present on bottles: ☒ ☐ | |
| 2. Container labeling complete: ☒ ☐ | |
| 3. Sample container label / COC agree: ☒ ☐ | |

Sample Integrity - Condition
Y or N

- | | |
|---|--|
| 1. Sample recvd within HT: ☒ ☐ | |
| 2. All containers accounted for: ☒ ☐ | |
| 3. Condition of sample: Intact | |

Sample Integrity - Instructions
Y or N
N/A

- | | |
|--|--|
| 1. Analysis requested is clear: ☒ ☐ | |
| 2. Bottles received for unspecified tests: ☐ ☒ | |
| 3. Sufficient volume recvd for analysis: ☒ ☐ | |
| 4. Compositing instructions clear: ☐ ☐ ☒ | |
| 5. Filtering instructions clear: ☐ ☐ ☒ | |

Test Strip Lot #s:	pH 1-12: 231619	pH 12+: 203117A	Other: (Specify)
--------------------	-----------------	-----------------	------------------

Comments

SM089-03
Rev. Date 12/7/17

JE15383: Chain of Custody

Page 2 of 2

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

SESI Consulting Engineers

12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

SGS Job Number: JE16518

Sampling Date: 08/06/25

Report to:

SESI Consulting Engineers
959 Route 46E 3rd Floor
Parsippany, NJ 07054
anthony.raposo@sesi.org; sharon.cashel@sesi.org;
tyler.fisher@sesi.org
ATTN: Anthony Raposo

Total number of pages in report: **148**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Louie Devletter 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary 3

Section 2: Case Narrative/Conformance Summary 4

Section 3: Summary of Hits 5

Section 4: Sample Results 6

4.1: JE16518-1: GW-TS-EFFLUENT-02 7

Section 5: Misc. Forms 9

5.1: Chain of Custody 10

5.2: Sample Tracking Chronicle 12

5.3: Internal Chain of Custody 13

Section 6: Metals Analysis - QC Data Summaries 14

6.1: Inst QC MA59103: Ba 15

6.2: Prep QC MP56401: Ba 54

6.3: IDL and Linear Range Summaries 58

Section 7: Metals Analysis - Raw Data 60

7.1: Raw Data MA59103 61

7.2: Sample Prep Logs 137

Section 8: General Chemistry - QC Data Summaries 139

8.1: Method Blank and Spike Results Summary 140

8.2: Duplicate Results Summary 141

8.3: Matrix Spike Results Summary 142

Section 9: General Chemistry - Raw Data 143

9.1: Raw Data GN71907: HEM Oil and Grease 144



Sample Summary

SESI Consulting Engineers

Job No: JE16518

12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

Sample Number	Collected		Matrix Code Type	Client	
	Date	Time By	Received	Sample ID	
JE16518-1	08/06/25	12:24 TF	08/06/25	AQ	Water
					GW-TS-EFFLUENT-02

CASE NARRATIVE / CONFORMANCE SUMMARY

2

Client: SESI Consulting Engineers

Job No: JE16518

Site: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, N

Report Date 8/8/2025 8:30:50 AM

On 08/06/2025, 1 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 2 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JE16518 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Metals Analysis By Method SW846 6010D

Matrix: AQ

Batch ID: MP56401

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

General Chemistry By Method EPA 1664A

Matrix: AQ

Batch ID: GP63079

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE16535-3MS, JE16535-4DUP were used as the QC samples for the HEM Oil and Grease analysis.
- The duplicate RPD(s) for HEM Oil and Grease are outside control limits for sample GP63079-D1. RPD acceptable due to low duplicate and sample concentrations.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Friday, August 8, 2025

Page 1 of 1

Summary of Hits

Job Number: JE16518
Account: SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY
Collected: 08/06/25



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE16518-1	GW-TS-EFFLUENT-02					
Barium		1390	200		ug/l	SW846 6010D
HEM Oil and Grease		7.0	5.0		mg/l	EPA 1664A



Dayton, NJ

Section 4

4

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT-02	Date Sampled:	08/06/25
Lab Sample ID:	JE16518-1	Date Received:	08/06/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Barium	1390	200	ug/l	1	08/07/25	08/07/25 MM	SW846 6010D ¹	SW846 3010A ²

(1) Instrument QC Batch: MA59103
(2) Prep QC Batch: MP56401

RL = Reporting Limit

4.1
4

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT-02	Date Sampled:	08/06/25
Lab Sample ID:	JE16518-1	Date Received:	08/06/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
HEM Oil and Grease	7.0	5.0	mg/l	1	08/07/25 11:00	SS	EPA 1664A

RL = Reporting Limit

4.1
4

Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

FED-EX Tracking #		SGS Order Control #	
SGS Quote #		PREM-LD-08525-151	
Analysis Requested		Matrix Codes	
Oil and grease Barium		DW - Drinking Water GW - Ground Water WW - Wastewater SW - Surface Water SO - Soil SL - Sludge SED - Sediment OT - Oil LQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank ED - Equipment Blank RB - Rinse Blank TB - Trip Blank	
pH Check (Lab Use Only)		LAB USE ONLY	
Turn Around Time (Business Days) Approved By (SGS PM) / Date: ☐ 10 Business Days ☒ 5 Business Days ☐ 3 Business Days ☐ 2 Business Days ☒ 1 Business Day ☐ Other		Deliverable Commercial "A" (Level 1) Commercial "B" (Level 2) NJ Reduced (Level 3) Full Tier 1 (Level 4) Commercial "C" NJ DKQP MIGW Criteria 2025 "new" NYASP Category A NYASP Category B MA MCP Criteria CT RCP Criteria State Forms EDD Format	
Initial Assessment		Label Verification	
2A JK			
All data available via SGS Engage		* Approval needed for 1-3 BD TAT	
Sample Custody must be documented below each time samples change possession, including courier delivery.		http://www.sgs.com/en/terms-and-conditions	
Relinquished By:	Date / Time:	Received By:	Date / Time:
1 THER FISHUR	8/6/25 1:01	1 KEAN 8/6/25 10:01 pm	8/6/25 10:01 pm
Relinquished By:	Date / Time:	Received By:	Date / Time:
3		3	
Relinquished By:	Date / Time:	Received By:	Date / Time:
5		5	

JE16518: Chain of Custody

Page 1 of 2

SGS Sample Receipt Summary

Job Number: JE16518

Client: SESI CONSULTING ENGINEERS

Project: 136 CROTON AVENUE, OSSINING, NY

Date / Time Received: 8/6/2025 3:06:00 PM

Delivery Method: SGS COURIER

Airbill #s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (2.0);

Cooler Temps (Corrected) °C: Cooler 1: (2.0);

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | ☒ | ☐ | 3. COC Present: | ☒ | ☐ |
| 2. Custody Seals Intact: | ☒ | ☐ | 4. Smpl Dates/Time OK | ☒ | ☐ |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | ☒ | ☐ |
| 2. Cooler temp verification: | IR-50 | |
| 3. Cooler media: | Ice (Bag) | |
| 4. No. Coolers: | 1 | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | ☐ | ☐ | ☒ |
| 2. Trip Blank listed on COC: | ☐ | ☐ | ☒ |
| 3. Samples preserved properly: | ☒ | ☐ | |
| 4. VOCs headspace free: | ☐ | ☐ | ☒ |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | ☒ | ☐ |
| 2. Container labeling complete: | ☒ | ☐ |
| 3. Sample container label / COC agree: | ☒ | ☐ |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | ☒ | ☐ |
| 2. All containers accounted for: | ☒ | ☐ |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N

N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | ☒ | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | ☒ | |
| 3. Sufficient volume recvd for analysis: | ☒ | ☐ | |
| 4. Compositing instructions clear: | ☐ | ☐ | ☒ |
| 5. Filtering instructions clear: | ☐ | ☐ | ☒ |

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify) _____

Comments

SM089-03
Rev. Date 12/7/17

JE16518: Chain of Custody

Page 2 of 2

Internal Sample Tracking Chronicle

SESI Consulting Engineers

Job No: JE16518

12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE16518-1	Collected: 06-AUG-25 12:24	By: TF		Received: 06-AUG-25	By: JR	
GW-TS-EFFLUENT-02						

JE16518-1	EPA 1664A	07-AUG-25 11:00	SS	07-AUG-25	SS	OG1664
JE16518-1	SW846 6010D	07-AUG-25 18:45	MM	07-AUG-25	BP	BA

SGS Internal Chain of Custody

Job Number: JE16518
Account: SESINJPB SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY
Received: 08/06/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE16518-1.1	Jabaery Ellis	Secured Storage	08/06/25 22:27	Return to Storage
JE16518-1.2	Jabaery Ellis	Secured Storage	08/06/25 22:27	Return to Storage
JE16518-1.3	Jabaery Ellis	Secured Storage	08/06/25 22:27	Return to Storage
JE16518-1.3	Secured Storage	Brianna Perez	08/07/25 09:12	Retrieve from Storage
JE16518-1.3	Brianna Perez	Secured Storage	08/07/25 16:12	Return to Storage

53
5

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE16518

Account: SESINJPB - SESI Consulting Engineers

Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP

Date Analyzed: 08/07/25

Methods: EPA 200.7, SW846 6010D

Analyst: MM

Run ID: MA59103

Parameters: Ba

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:58	MA59103-STD1	1		STDA
08:03	MA59103-STD2	1		STDB
08:08	MA59103-ICV1	1		
08:15	MA59103-ICV2	1		
08:21	ZZZZZZ	1		
08:31	MA59103-ICB1	1		
08:41	MA59103-ICCV1	1		
08:46	MA59103-CCB1	1		
08:54	MA59103-CRI1	1		
08:59	MA59103-CRID1	1		
09:04	MA59103-ICSA1	1		
09:09	MA59103-ICSAB1	1		
09:14	MA59103-HSTD1	1		
09:19	MA59103-HSTD2	1		
09:25	ZZZZZZ	1		
09:30	MA59103-CCV1	1		
09:35	MA59103-CCB2	1		
09:40	MA59103-CRI2	1		
09:44	ZZZZZZ	1		
09:50	MP56392-MB1	1		
09:55	MP56377-S1	5		
10:00	MP56377-S2	5		
10:05	JE16402-1	5		(sample used for QC only; not part of login JE16518)
10:10	MP56377-SD1	25		
10:15	MP56273-S1	5		Na still high
10:19	MP56273-S2	5		
10:24	MP56273-PS1	1		
10:30	MA59103-CCV2	1		
10:34	MA59103-CCB3	1		
10:39	ZZZZZZ	1		
10:44	ZZZZZZ	10		
10:52	MP56406-MB1	1		
10:57	MP56406-LB1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59103
Parameters: Ba

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:02	MP56406-B1	1		
11:07	MP56406-LS1	1		
11:12	MP56377-S1	10		
11:17	MP56377-S2	10		
11:21	JE16402-1	10		(sample used for QC only; not part of login JE16518)
11:26	MP56377-SD1	50		
11:31	MA59103-CCV3	1		
11:36	MA59103-CCB4	1		
11:41	MP56406-S1	5		
11:46	MP56406-S2	5		
11:50	JE16283-1	5		(sample used for QC only; not part of login JE16518)
11:55	MP56406-SD1	25		
12:00	ZZZZZZ	5		
12:05	ZZZZZZ	5		
12:10	ZZZZZZ	5		
12:15	ZZZZZZ	5		
12:20	ZZZZZZ	5		
12:25	ZZZZZZ	5		
12:30	MA59103-CCV4	1		
12:35	MA59103-CCB5	1		
12:40	MP56418-MB1	1		
12:45	MP56417-MB1	1		
12:50	MP56418-B1	1		
12:55	MP56417-B1	1		
13:00	MP56418-S1	1		
13:04	MP56418-S2	1		
13:09	JE16544-1	1		(sample used for QC only; not part of login JE16518)
13:15	MP56418-SD1	5		
13:19	MP56417-S1	1		
13:24	MP56417-S2	1		
13:29	MA59103-CCV5	1		
13:34	MA59103-CCB6	1		
13:39	JE16540-1	1		(sample used for QC only; not part of login JE16518)

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59103
Parameters: Ba

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:44	MP56417-SD1	5		
13:49	ZZZZZZ	1		
13:54	ZZZZZZ	1		
13:59	ZZZZZZ	1		
14:05	ZZZZZZ	1		
14:10	ZZZZZZ	1		
14:15	ZZZZZZ	1		
14:20	ZZZZZZ	1		
14:25	ZZZZZZ	1		
14:30	MA59103-CCV6	1		
14:35	MA59103-CCB7	1		
14:40	ZZZZZZ	1		
14:45	MP56418-S1	5		
14:50	MP56418-S2	5		
14:55	JE16544-1	5		(sample used for QC only; not part of login JE16518)
15:00	MP56418-SD1	25		
15:05	MP56417-S1	5		
15:10	MP56417-S2	5		
15:14	JE16540-1	5		(sample used for QC only; not part of login JE16518)
15:19	MP56417-SD1	25		
15:24	ZZZZZZ	5		
15:29	MA59103-CCV7	1		
15:34	MA59103-CCB8	1		
15:39	ZZZZZZ	5		
15:44	ZZZZZZ	5		
15:49	ZZZZZZ	5		
15:54	ZZZZZZ	5		
15:59	ZZZZZZ	5		
16:04	ZZZZZZ	5		
16:09	ZZZZZZ	5		
16:14	ZZZZZZ	5		
16:19	MA59103-CCV8	1		
16:23	MA59103-CCB9	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59103
Parameters: Ba

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:28	MP56418-S1	50		
16:33	MP56418-S2	50		
16:38	JE16544-1	50		(sample used for QC only; not part of login JE16518)
16:43	MP56418-SD1	250		
16:48	MP56417-S1	50		
16:53	MP56417-S2	50		
16:57	JE16540-1	50		(sample used for QC only; not part of login JE16518)
17:02	MP56417-SD1	250		
17:07	ZZZZZZ	50		
17:12	ZZZZZZ	50		
17:17	MA59103-CCV9	1		
17:22	MA59103-CCB10	1		
17:27	ZZZZZZ	50		
17:32	ZZZZZZ	50		
17:37	ZZZZZZ	50		
17:42	ZZZZZZ	50		
17:47	ZZZZZZ	50		
17:51	ZZZZZZ	50		
17:56	ZZZZZZ	50		
18:01	ZZZZZZ	5		
18:06	ZZZZZZ	5		
18:11	ZZZZZZ	5		
18:16	MA59103-CCV10	1		
18:21	MA59103-CCB11	1		
18:26	MP56401-MB1	1		
18:31	MP56401-MB2	1		
18:36	MP56401-B1	1		
18:40	MP56401-B2	1		
18:45	JE16518-1	1		
----->	Last reportable sample/prep for job JE16518			
18:50	ZZZZZZ	5		
18:55	ZZZZZZ	5		
19:00	ZZZZZZ	5		
19:05	MA59103-CCV11	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59103
Parameters: Ba

Time	Sample Description	Dilution Factor	PS Recov	Comments
------	--------------------	-----------------	----------	----------

-----> 19:10 MA59103-CCB12 1
Last reportable CCB for job JE16518
19:15 ZZZZZZ 1

19:20 ZZZZZZ 1

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
 Analyst: MM Run ID: MA59103
 Parameters: Ba

Time	Sample Description	Element: B Dilution a
08:08	MA59103-ICV1	1
08:15	MA59103-ICV2	1 X
08:21	ZZZZZZ	1
08:31	MA59103-ICB1	1 X
08:41	MA59103-ICCV1	1 X
08:46	MA59103-CCB1	1 X
08:54	MA59103-CRI1	1
08:59	MA59103-CRID1	1 X
09:04	MA59103-ICSA1	1 X
09:09	MA59103-ICSAB1	1 X
09:14	MA59103-HSTD1	1 X
09:19	MA59103-HSTD2	1 X
09:25	ZZZZZZ	1
09:30	MA59103-CCV1	1 X
09:35	MA59103-CCB2	1 X
09:40	MA59103-CRI2	1 X
09:44	ZZZZZZ	1
09:50	MP56392-MB1	1
09:55	MP56377-S1	5
10:00	MP56377-S2	5
10:05	JE16402-1	5 (a)
10:10	MP56377-SD1	25
10:15	MP56273-S1	5
10:19	MP56273-S2	5
10:24	MP56273-PS1	1
10:30	MA59103-CCV2	1 X
10:34	MA59103-CCB3	1 X
10:39	ZZZZZZ	1
10:44	ZZZZZZ	10
10:52	MP56406-MB1	1 X
10:57	MP56406-LB1	1
11:02	MP56406-B1	1 X
11:07	MP56406-LS1	1 X
		Element: B a

REPORTED ELEMENTS SUMMARY

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
 Analyst: MM Run ID: MA59103
 Parameters: Ba

Time	Sample Description	Element: B Dilution a
11:12	MP56377-S1	10
11:17	MP56377-S2	10
11:21	JE16402-1	10 (a)
11:26	MP56377-SD1	50
11:31	MA59103-CCV3	1 X
11:36	MA59103-CCB4	1 X
11:41	MP56406-S1	5 X
11:46	MP56406-S2	5 X
11:50	JE16283-1	5 X (a)
11:55	MP56406-SD1	25 X
12:00	ZZZZZZ	5
12:05	ZZZZZZ	5
12:10	ZZZZZZ	5
12:15	ZZZZZZ	5
12:20	ZZZZZZ	5
12:25	ZZZZZZ	5
12:30	MA59103-CCV4	1 X
12:35	MA59103-CCB5	1 X
12:40	MP56418-MB1	1
12:45	MP56417-MB1	1 X
12:50	MP56418-B1	1
12:55	MP56417-B1	1 X
13:00	MP56418-S1	1
13:04	MP56418-S2	1
13:09	JE16544-1	1 (a)
13:15	MP56418-SD1	5
13:19	MP56417-S1	1 X
13:24	MP56417-S2	1 X
13:29	MA59103-CCV5	1 X
13:34	MA59103-CCB6	1 X
13:39	JE16540-1	1 X (a)
13:44	MP56417-SD1	5 X
13:49	ZZZZZZ	1
		Element: B a

REPORTED ELEMENTS SUMMARY

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
 Analyst: MM Run ID: MA59103
 Parameters: Ba

Time	Sample Description	Element: B Dilution a
13:54	ZZZZZZ	1
13:59	ZZZZZZ	1
14:05	ZZZZZZ	1
14:10	ZZZZZZ	1
14:15	ZZZZZZ	1
14:20	ZZZZZZ	1
14:25	ZZZZZZ	1
14:30	MA59103-CCV6	1 X
14:35	MA59103-CCB7	1 X
14:40	ZZZZZZ	1
14:45	MP56418-S1	5
14:50	MP56418-S2	5
14:55	JE16544-1	5 (a)
15:00	MP56418-SD1	25
15:05	MP56417-S1	5
15:10	MP56417-S2	5
15:14	JE16540-1	5 (a)
15:19	MP56417-SD1	25
15:24	ZZZZZZ	5
15:29	MA59103-CCV7	1 X
15:34	MA59103-CCB8	1 X
15:39	ZZZZZZ	5
15:44	ZZZZZZ	5
15:49	ZZZZZZ	5
15:54	ZZZZZZ	5
15:59	ZZZZZZ	5
16:04	ZZZZZZ	5
16:09	ZZZZZZ	5
16:14	ZZZZZZ	5
16:19	MA59103-CCV8	1 X
16:23	MA59103-CCB9	1 X
16:28	MP56418-S1	50
16:33	MP56418-S2	50
		Element: B a

REPORTED ELEMENTS SUMMARY

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59103
Parameters: Ba

Time	Sample Description	Element: B Dilution a	
16:38	JE16544-1	50	
16:43	MP56418-SD1	250	
16:48	MP56417-S1	50	
16:53	MP56417-S2	50	
16:57	JE16540-1	50	(a)
17:02	MP56417-SD1	250	
17:07	ZZZZZZ	50	
17:12	ZZZZZZ	50	
17:17	MA59103-CCV9	1	X
17:22	MA59103-CCB10	1	X
17:27	ZZZZZZ	50	
17:32	ZZZZZZ	50	
17:37	ZZZZZZ	50	
17:42	ZZZZZZ	50	
17:47	ZZZZZZ	50	
17:51	ZZZZZZ	50	
17:56	ZZZZZZ	50	
18:01	ZZZZZZ	5	
18:06	ZZZZZZ	5	
18:11	ZZZZZZ	5	
18:16	MA59103-CCV10	1	X
18:21	MA59103-CCB11	1	X
18:26	MP56401-MB1	1	X
18:31	MP56401-MB2	1	X
18:36	MP56401-B1	1	X
18:40	MP56401-B2	1	X
18:45	JE16518-1	1	X
18:50	ZZZZZZ	5	
18:55	ZZZZZZ	5	
19:00	ZZZZZZ	5	
19:05	MA59103-CCV11	1	X
19:10	MA59103-CCB12	1	X
19:15	ZZZZZZ	1	
		Element: B a	

REPORTED ELEMENTS SUMMARY

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
 Analyst: MM Run ID: MA59103
 Parameters: Ba

Time	Sample Description	Element: B Dilution a
------	--------------------	--------------------------

19:20 ZZZZZZ 1

(a) Sample used for QC only; not part of login JE16518.

Element: B
a

INTERNAL STANDARD SUMMARY

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP
Analyst: MM
Parameters: Ba

Date Analyzed: 08/07/25
Run ID: MA59103

Methods: EPA 200.7, SW846 6010D

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:58	MA59103-STD1	3093 R	80845 R	24161 R	5371 R
08:03	MA59103-STD2	3037	81123	23487	5654
08:08	MA59103-ICV1	No results reported for the elements associated with this internal standard.			
08:15	MA59103-ICV2	3060	80452	23392	5545
08:21	ZZZZZZ	3086	80081	24059	5342
08:31	MA59103-ICB1	3099	81266	24467	5403
08:41	MA59103-ICCV1	3065	81222	23703	5576
08:46	MA59103-CCB1	3104	80897	23970	5367
08:54	MA59103-CRI1	No results reported for the elements associated with this internal standard.			
08:59	MA59103-CRID1	3090	80824	24093	5378
09:04	MA59103-ICSA1	2911	80004	24034	5634
09:09	MA59103-ICSAB1	2938	80004	23868	5666
09:14	MA59103-HSTD1	3040	80857	23983	5528
09:19	MA59103-HSTD2	3045	82102	23161	5729
09:25	ZZZZZZ	3030	81358	22949	5704
09:30	MA59103-CCV1	3097	81930	23486	5623
09:35	MA59103-CCB2	3117	82257	24228	5418
09:40	MA59103-CRI2	3121	81734	23987	5436
09:44	ZZZZZZ	3097	80348	23261	5325
09:50	MP56392-MB1	3087	79773	23200	5290
09:55	MP56377-S1	3064	80596	23427	5469
10:00	MP56377-S2	3063	81020	23581	5499
10:05	JE16402-1	3071	81977	23854	5493
10:10	MP56377-SD1	3077	81556	24080	5417
10:15	MP56273-S1	3065	80831	23869	5486
10:19	MP56273-S2	3068	80907	23545	5489
10:24	MP56273-PS1	3076	83272	23787	5824
10:30	MA59103-CCV2	3104	80879	22742	5588
10:34	MA59103-CCB3	3129	81150	23492	5383
10:39	ZZZZZZ	12643 !	273230 !	52351 !	19651 !
10:44	ZZZZZZ	12791 !	273310 !	51347 !	19971 !
10:52	MP56406-MB1	3095	80651	23990	5372
10:57	MP56406-LB1	3198	85866	23090	5642

INTERNAL STANDARD SUMMARY

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP
Analyst: MM
Parameters: Ba

Date Analyzed: 08/07/25
Run ID: MA59103

Methods: EPA 200.7, SW846 6010D

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:02	MP56406-B1	3045	79851	23637	5475
11:07	MP56406-LS1	3166	85136	23357	5712
11:12	MP56377-S1	3055	80878	23797	5423
11:17	MP56377-S2	3062	81046	24280	5469
11:21	JE16402-1	3046	81708	24349	5427
11:26	MP56377-SD1	3069	81011	24239	5393
11:31	MA59103-CCV3	3058	81046	23584	5564
11:36	MA59103-CCB4	3100	80402	23624	5351
11:41	MP56406-S1	3192	83825	23574	5632
11:46	MP56406-S2	3183	83105	23353	5608
11:50	JE16283-1	3193	84906	23636	5600
11:55	MP56406-SD1	3180	83958	23940	5554
12:00	ZZZZZZ	3158	83925	23197	5557
12:05	ZZZZZZ	3166	83389	23478	5549
12:10	ZZZZZZ	3179	83636	22953	5598
12:15	ZZZZZZ	3173	83557	23088	5552
12:20	ZZZZZZ	3113	82209	22950	5411
12:25	ZZZZZZ	3166	83221	23058	5536
12:30	MA59103-CCV4	3048	80991	23267	5552
12:35	MA59103-CCB5	3080	81061	23819	5354
12:40	MP56418-MB1	3084	79821	23632	5317
12:45	MP56417-MB1	3099	79740	23324	5325
12:50	MP56418-B1	3041	78853	22892	5429
12:55	MP56417-B1	3056	78834	22808	5407
13:00	MP56418-S1	2859	79968	20471	5144
13:04	MP56418-S2	2817	80336	20515	5091
13:09	JE16544-1	2838	80886	20429	5074
13:15	MP56418-SD1	3131	85036	22423	5572
13:19	MP56417-S1	2717	80012	20880	4987
13:24	MP56417-S2	2765	79878	21061	5052
13:29	MA59103-CCV5	3125	82294	23534	5646
13:34	MA59103-CCB6	3157	81439	23298	5425
13:39	JE16540-1	2813	80134	20098	4983

INTERNAL STANDARD SUMMARY

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP
Analyst: MM
Parameters: Ba

Date Analyzed: 08/07/25
Run ID: MA59103

Methods: EPA 200.7, SW846 6010D

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:44	MP56417-SD1	3169	85058	21946	5579
13:49	ZZZZZZ	2768	79875	20147	4952
13:54	ZZZZZZ	2780	80902	20649	4996
13:59	ZZZZZZ	2761	80895	20490	4970
14:05	ZZZZZZ	2762	80773	20446	4959
14:10	ZZZZZZ	2880	82048	20753	5135
14:15	ZZZZZZ	2892	81209	20161	5087
14:20	ZZZZZZ	2868	80299	19651	5064
14:25	ZZZZZZ	2846	80544	20157	5067
14:30	MA59103-CCV6	3078	81696	22953	5569
14:35	MA59103-CCB7	3131	81696	23556	5427
14:40	ZZZZZZ	2814	81455	20676	5067
14:45	MP56418-S1	3110	83525	21465	5548
14:50	MP56418-S2	3117	83656	21491	5533
14:55	JE16544-1	3157	84119	21576	5547
15:00	MP56418-SD1	3143	82157	21933	5474
15:05	MP56417-S1	3084	82951	21287	5491
15:10	MP56417-S2	3070	83838	21379	5500
15:14	JE16540-1	3115	85273	21659	5557
15:19	MP56417-SD1	3162	84407	22861	5583
15:24	ZZZZZZ	3116	84420	21538	5536
15:29	MA59103-CCV7	3071	80570	22520	5527
15:34	MA59103-CCB8	3118	79719	22216	5317
15:39	ZZZZZZ	3174	84333	20911	5579
15:44	ZZZZZZ	3187	85397	20999	5609
15:49	ZZZZZZ	3179	85049	20545	5590
15:54	ZZZZZZ	3164	84623	20818	5574
15:59	ZZZZZZ	3161	84652	21092	5598
16:04	ZZZZZZ	3149	84611	20893	5587
16:09	ZZZZZZ	3149	84506	20790	5590
16:14	ZZZZZZ	3146	83725	20695	5552
16:19	MA59103-CCV8	3047	78133	20631	5460
16:23	MA59103-CCB9	3083	78475	21110	5266

INTERNAL STANDARD SUMMARY

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
 Analyst: MM Run ID: MA59103
 Parameters: Ba

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:28	MP56418-S1	No results reported for the elements associated with this internal standard.			
16:33	MP56418-S2	No results reported for the elements associated with this internal standard.			
16:38	JE16544-1	No results reported for the elements associated with this internal standard.			
16:43	MP56418-SD1	No results reported for the elements associated with this internal standard.			
16:48	MP56417-S1	3146	81370	21394	5459
16:53	MP56417-S2	3115	79744	20750	5384
16:57	JE16540-1	3129	80221	20764	5398
17:02	MP56417-SD1	3061	78154	20486	5260
17:07	ZZZZZZ	3096	79293	20439	5372
17:12	ZZZZZZ	3092	79012	20301	5364
17:17	MA59103-CCV9	2976	76925	20563	5365
17:22	MA59103-CCB10	3031	77413	21084	5217
17:27	ZZZZZZ	3125	80903	21204	5458
17:32	ZZZZZZ	3118	80580	21159	5420
17:37	ZZZZZZ	3105	80435	21044	5382
17:42	ZZZZZZ	3099	79530	20683	5349
17:47	ZZZZZZ	3088	78825	20641	5325
17:51	ZZZZZZ	3095	78970	20381	5339
17:56	ZZZZZZ	3089	79473	20821	5349
18:01	ZZZZZZ	3136	80428	20510	5415
18:06	ZZZZZZ	3119	78795	20100	5380
18:11	ZZZZZZ	3163	80895	20773	5418
18:16	MA59103-CCV10	3087	78769	20661	5490
18:21	MA59103-CCB11	3107	79035	21363	5286
18:26	MP56401-MB1	3107	79641	21879	5320
18:31	MP56401-MB2	3125	81372	22365	5367
18:36	MP56401-B1	3081	80102	22011	5487
18:40	MP56401-B2	3094	80787	22493	5494
18:45	JE16518-1	3048	79977	21993	5454
18:50	ZZZZZZ	3147	83146	21800	5449
18:55	ZZZZZZ	3171	82193	21273	5459
19:00	ZZZZZZ	3169	81846	20853	5490
19:05	MA59103-CCV11	3057	80168	22034	5491

INTERNAL STANDARD SUMMARY

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59103
Parameters: Ba

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:10	MA59103-CCB12	3077	79972	22138	5283
19:15	ZZZZZZ	2966	78643	22452	5154
19:20	ZZZZZZ	2965	78281	22350	5148

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59103 Units: ug/l

Time: Sample ID:			08:31 ICB1		08:46 CCB1		09:35 CCB2		10:34 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	1.7	anr							
Arsenic	3.0	2.1	anr							
Barium	200	.8	-0.200	<200	0.100	<200	0.100	<200	0.00	<200
Beryllium	1.0	.3	anr							
Bismuth	20	2.3								
Boron	100	2.3								
Cadmium	3.0	.3	anr							
Calcium	5000	6.6	anr							
Cerium	100									
Chromium	10	.3	anr							
Cobalt	50	.4	anr							
Copper	10	.8	anr							
Iron	100	5.3	anr							
Lead	3.0	1.1	anr							
Lithium	50	4.8								
Magnesium	5000	32	anr							
Manganese	15	.1	anr							
Molybdenum	20	.6								
Nickel	10	.4	anr							
Phosphorus	50	1.2								
Potassium	10000	77	anr							
Selenium	10	3.2	anr							
Silicon	200	1.7								
Silver	10	1	anr							
Sodium	10000	34	anr							
Strontium	10	.3								
Sulfur	50	3								
Thallium	10	1.8	anr							
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59103 Units: ug/l

Time: Sample ID:			08:31 ICB1		08:46 CCB1		09:35 CCB2		10:34 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.3								
(*) Outside of QC limits										
(anr) Analyte not requested										

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59103 Units: ug/l

Time: Sample ID:			11:36 CCB4		12:35 CCB5		13:34 CCB6		14:35 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	1.7	anr							
Arsenic	3.0	2.1	anr							
Barium	200	.8	0.200	<200	0.200	<200	0.300	<200	0.300	<200
Beryllium	1.0	.3	anr							
Bismuth	20	2.3								
Boron	100	2.3								
Cadmium	3.0	.3	anr							
Calcium	5000	6.6	anr							
Cerium	100									
Chromium	10	.3	anr							
Cobalt	50	.4	anr							
Copper	10	.8	anr							
Iron	100	5.3	anr							
Lead	3.0	1.1	anr							
Lithium	50	4.8								
Magnesium	5000	32	anr							
Manganese	15	.1	anr							
Molybdenum	20	.6								
Nickel	10	.4	anr							
Phosphorus	50	1.2								
Potassium	10000	77	anr							
Selenium	10	3.2	anr							
Silicon	200	1.7								
Silver	10	1	anr							
Sodium	10000	34	anr							
Strontium	10	.3								
Sulfur	50	3								
Thallium	10	1.8	anr							
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59103 Units: ug/l

Time: Sample ID:			11:36 CCB4		12:35 CCB5		13:34 CCB6		14:35 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.3								
(*) Outside of QC limits										
(anr) Analyte not requested										

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59103 Units: ug/l

Time: Sample ID:	RL	IDL	15:34 CCB8 raw	final	16:23 CCB9 raw	final	17:22 CCB10 raw	final	18:21 CCB11 raw	final
Metal										
Aluminum	200	17	anr							
Antimony	6.0	1.7	anr							
Arsenic	3.0	2.1	anr							
Barium	200	.8	0.400	<200	0.600	<200	0.200	<200	0.200	<200
Beryllium	1.0	.3	anr							
Bismuth	20	2.3								
Boron	100	2.3								
Cadmium	3.0	.3	anr							
Calcium	5000	6.6	anr							
Cerium	100									
Chromium	10	.3	anr							
Cobalt	50	.4	anr							
Copper	10	.8	anr							
Iron	100	5.3	anr							
Lead	3.0	1.1	anr							
Lithium	50	4.8								
Magnesium	5000	32	anr							
Manganese	15	.1	anr							
Molybdenum	20	.6								
Nickel	10	.4	anr							
Phosphorus	50	1.2								
Potassium	10000	77	anr							
Selenium	10	3.2	anr							
Silicon	200	1.7								
Silver	10	1	anr							
Sodium	10000	34	anr							
Strontium	10	.3								
Sulfur	50	3								
Thallium	10	1.8	anr							
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59103 Units: ug/l

Time: Sample ID:			15:34 CCB8		16:23 CCB9		17:22 CCB10		18:21 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.3								
(*) Outside of QC limits										
(anr) Analyte not requested										

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59103 Units: ug/l

Time: Sample ID:		19:10 CCB12			
Metal	RL	IDL	raw	final	
Aluminum	200	17	anr		
Antimony	6.0	1.7	anr		
Arsenic	3.0	2.1	anr		
Barium	200	.8	0.300	<200	
Beryllium	1.0	.3	anr		
Bismuth	20	2.3			
Boron	100	2.3			
Cadmium	3.0	.3	anr		
Calcium	5000	6.6	anr		
Cerium	100				
Chromium	10	.3	anr		
Cobalt	50	.4	anr		
Copper	10	.8	anr		
Iron	100	5.3	anr		
Lead	3.0	1.1	anr		
Lithium	50	4.8			
Magnesium	5000	32	anr		
Manganese	15	.1	anr		
Molybdenum	20	.6			
Nickel	10	.4	anr		
Phosphorus	50	1.2			
Potassium	10000	77	anr		
Selenium	10	3.2	anr		
Silicon	200	1.7			
Silver	10	1	anr		
Sodium	10000	34	anr		
Strontium	10	.3			
Sulfur	50	3			
Thallium	10	1.8	anr		
Tin	10	.8			
Titanium	10	.5			
Tungsten	50	2.6			
Vanadium	50	.6	anr		

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59103 Units: ug/l

Time:			19:10	
Sample ID:			CCB12	
Metal	RL	IDL	raw	final

Zinc 20 .1 anr

Zirconium 10 .3

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3

6

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59103 Units: ug/l

Time: Sample ID: ICCV		08:41 ICCV1		
Metal	True	Results	% Rec	
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	2000	1980	99.0	
Beryllium	anr			
Bismuth				
Boron				
Cadmium	anr			
Calcium	anr			
Cerium				
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	anr			
Lithium				
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Phosphorus				
Potassium	anr			
Selenium	anr			
Silicon				
Silver	anr			
Sodium	anr			
Strontium				
Sulfur				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59103 Units: ug/l

Time:	08:41
Sample ID:	ICCV
Metal	True
Results	% Rec

Zinc anr

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

6.1.4
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59103 Units: ug/l

Time: Sample ID:		08:15 ICV2	% Rec	CCV	09:30 CCV1	% Rec	CCV	10:30 CCV2	% Rec
Metal	ICV	Results		True	Results		True	Results	
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	2000	2000	100.0	2000	1990	99.5	2000	1960	98.0
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Sulfur									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59103 Units: ug/l

Time:		08:15			09:30			10:30		
Sample ID:	ICV	ICV2		CCV	CCV1		CCV	CCV2		
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec	

Zinc anr

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

6.1.5

6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59103 Units: ug/l

Time: Sample ID:		11:31 CCV3		12:30 CCV4		13:29 CCV5				
Metal	CCV	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr									
Antimony	anr									
Arsenic	anr									
Barium	2000	1980	99.0	2000	1980	99.0	2000	1950	97.5	
Beryllium	anr									
Bismuth										
Boron										
Cadmium	anr									
Calcium	anr									
Cerium										
Chromium	anr									
Cobalt	anr									
Copper	anr									
Iron	anr									
Lead	anr									
Lithium										
Magnesium	anr									
Manganese	anr									
Molybdenum										
Nickel	anr									
Phosphorus										
Potassium	anr									
Selenium	anr									
Silicon										
Silver	anr									
Sodium	anr									
Strontium										
Sulfur										
Thallium	anr									
Tin										
Titanium										
Tungsten										
Vanadium	anr									

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59103 Units: ug/l

Time:		11:31		12:30		13:29	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV
Metal	True	Results	% Rec	True	Results	% Rec	True

Zinc anr

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

6.1.5

6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59103 Units: ug/l

Time: Sample ID:		14:30 CCV6		15:29 CCV7		16:19 CCV8			
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	2000	1990	99.5	2000	2000	100.0	2000	2040	102.0
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Sulfur									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59103 Units: ug/l

Time:		14:30			15:29			16:19		
Sample ID:		CCV	CCV6	CCV	CCV7	CCV	CCV8			
Metal		True	Results	% Rec	True	Results	% Rec	True	Results	% Rec

Zinc anr

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

6.1.5

6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59103 Units: ug/l

Time: Sample ID:		17:17 CCV9		18:16 CCV10		19:05 CCV11			
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	2000	2070	103.5	2000	2020	101.0	2000	2000	100.0
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Sulfur									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59103 Units: ug/l

Time:		17:17			18:16			19:05		
Sample ID:		CCV	CCV9	CCV	CCV10	CCV	CCV11	CCV	CCV11	
Metal		True	Results	% Rec	True	Results	% Rec	True	Results	% Rec

Zinc anr

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

6.1.5

6

HIGH STANDARD CHECK SUMMARY

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
 QC Limits: 90 to 110 % Recovery Run ID: MA59103 Units: ug/l

Time:		09:14		09:19	
Sample ID:		HSTD1		HSTD2	
Metal	HSTD	Results	% Rec	Results	% Rec
Aluminum					
Antimony	anr				
Arsenic	anr				
Barium	8000	7810	97.6		
Beryllium	anr				
Bismuth					
Boron					
Cadmium	anr				
Calcium					
Cerium					
Chromium	anr				
Cobalt	anr				
Copper	anr				
Iron					
Lead	anr				
Lithium					
Magnesium					
Manganese	anr				
Molybdenum					
Nickel	anr				
Phosphorus					
Potassium					
Selenium	anr				
Silicon					
Silver	anr				
Sodium					
Strontium					
Sulfur					
Thallium	anr				
Tin					
Titanium					
Tungsten					
Vanadium	anr				

HIGH STANDARD CHECK SUMMARY

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
 QC Limits: 90 to 110 % Recovery Run ID: MA59103 Units: ug/l

Time:		09:14		09:19	
Sample ID:		HSTD		HSTD	
Metal		True		True	
		HSTD1		HSTD2	
		Results		Results	
		% Rec		% Rec	

Zinc anr

Zirconium

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.6

6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
 QC Limits: 80 to 120 % Recovery Run ID: MA59103 Units: ug/l

Time: Sample ID:	CRI	CRIA	CRID	08:59 CRID1	% Rec	09:40 CRI2	% Rec
Metal	True	True	True	Results		Results	
Aluminum	200	500	100	anr			
Antimony	6.0	20	3.0				
Arsenic	8.0	20	3.0	anr			
Barium	200		4.0	3.90	97.5	198	99.0
Beryllium	2.0		1.0	anr			
Bismuth	20						
Boron	100		10				
Cadmium	3.0		1.0	anr			
Calcium	5000	2000	1000	anr			
Cerium							
Chromium	10		2.0	anr			
Cobalt	50		3.0	anr			
Copper	10		2.0				
Iron	100	500					
Lead	3.0	20	2.5				
Lithium	50						
Magnesium	5000	2000	100	anr			
Manganese	15		3.0	anr			
Molybdenum	20						
Nickel	10		4.0	anr			
Phosphorus	50						
Potassium	5000		2000	anr			
Selenium	10	20	5.0	anr			
Silicon	200						
Silver	5.0		2.0				
Sodium	5000		1000	anr			
Strontium	10						
Sulfur	50						
Thallium	10		2.0				
Tin	10						
Titanium	10						
Tungsten	50						
Vanadium	50		2.0	anr			

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
 QC Limits: 80 to 120 % Recovery Run ID: MA59103 Units: ug/l

Time:					08:59		09:40	
Sample ID:	CRI	CRIA	CRID		CRID1		CRI2	
Metal	True	True	True		Results	% Rec	Results	% Rec

Zinc	20		10	anr				
Zirconium	10							

(*) Outside of QC limits
 (anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA59103 Units: ug/l

Time: Sample ID:	ICSA True	ICSAB True	09:04 ICSA1 Results	% Rec	09:09 ICSAB1 Results	% Rec
Metal						
Aluminum	500000	500000	480000	96.0	473000	94.6
Antimony		1000	2.20		1040	104.0
Arsenic		1000	1.90		1010	101.0
Barium		500	6.90		485	97.0
Beryllium		500	-0.500		477	95.4
Bismuth		500	-4.80		513	102.6
Boron		500	2.00		528	105.6
Cadmium		1000	0.800		1080	108.0
Calcium	400000	400000	357000	89.3	355000	88.8
Cerium			11.5		520*	
Chromium		500	-1.00		468	93.6
Cobalt		500	0.400		499	99.8
Copper		500	2.10		523	104.6
Iron	200000	200000	177000	88.5	173000	86.5
Lead		1000	1.90		959	95.9
Lithium		500	-1.70		525	105.0
Magnesium	500000	500000	478000	95.6	477000	95.4
Manganese		500	-5.40		505	101.0
Molybdenum		500	1.70		509	101.8
Nickel		1000	-1.20		986	98.6
Phosphorus		500	-22.3		502	100.4
Potassium			-92.6		-54.0	
Selenium		1000	4.50		1020	102.0
Silicon		500	1.80		651	130.2*
Silver		1000	0.200		1090	109.0
Sodium			44.9		54.6	
Strontium		500	0.800		486	97.2
Sulfur		500	-13.6		488	97.6
Thallium		1000	3.40		976	97.6
Tin		500	-1.70		491	98.2
Titanium		500	-1.40		483	96.6
Tungsten		500	-1.90		501	100.2
Vanadium		500	-0.700		495	99.0

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

File ID: SC080725M1.ICP Date Analyzed: 08/07/25 Methods: EPA 200.7, SW846 6010D
 QC Limits: 80 to 120 % Recovery Run ID: MA59103 Units: ug/l

Time:				09:04		09:09	
Sample ID:	ICSAB	ICSAB	ICSAB	ICSAB1	ICSAB1	ICSAB1	ICSAB1
Metal	True	True	True	Results	% Rec	Results	% Rec

Zinc	1000	3.80		959	95.9
Zirconium	500	-7.80		440	88.0

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.8

6

BLANK RESULTS SUMMARY
Part 2 - Method BlanksLogin Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NYQC Batch ID: MP56401
Matrix Type: AQUEOUSMethods: SW846 6010D
Units: ug/l

Prep Date: 08/07/25 08/07/25

Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	200	17	150				
Antimony	6.0	1.7	4.7				
Arsenic	3.0	2.1	2.8				
Barium	200	.8	13	0.10	<200	0.30	<200
Beryllium	1.0	.3	.5				
Bismuth	20	2.3	8.6				
Boron	100	2.3	10				
Cadmium	3.0	.3	1				
Calcium	5000	6.6	99				
Cerium	100						
Chromium	10	.3	2				
Cobalt	50	.4	2.6				
Copper	10	.8	5.9				
Iron	100	5.3	32				
Lead	3.0	1.1	1.8				
Lithium	50	4.8	7.3				
Magnesium	5000	32	140				
Manganese	15	.1	1.4				
Molybdenum	20	.6	3.6				
Nickel	10	.4	1.7				
Phosphorus	50	1.2	18				
Potassium	10000	77	200				
Selenium	10	3.2	4.9				
Silicon	200	1.7	32				
Silver	10	1	6.1				
Sodium	10000	34	570				
Strontium	10	.3	2.7				
Sulfur	50	3	45				
Thallium	10	1.8	1.8				
Tin	10	.8	3.7				
Titanium	10	.5	2.5				
Tungsten	50	2.6	40				
Vanadium	50	.6	1.8				

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

QC Batch ID: MP56401
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 08/07/25 08/07/25

Metal	RL	IDL	MDL	MB raw	final	MB raw	final
-------	----	-----	-----	-----------	-------	-----------	-------

Zinc 20 .1 6.9

Zirconium 10 .3 4.1

Associated samples MP56401: JE16518-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.2.2

Account: SESINJPB - SESI Consulting Engineers

QC Batch ID: MP56401
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

08/07/25

Page 1

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE16518
 Account: SESINJPB - SESI Consulting Engineers
 Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

QC Batch ID: MP56401
 Matrix Type: AQUEOUS

Methods: SW846 6010D
 Units: ug/l

Prep Date: 08/07/25 08/07/25

Metal	BSP Result	Spike lot MPSPK2	% Rec	QC Limits	BSP Result	Spike lot MPSPK2	% Rec	QC Limits
-------	---------------	---------------------	-------	--------------	---------------	---------------------	-------	--------------

Zinc

Zirconium

Associated samples MP56401: JE16518-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.2.2

6

Instrument Detection Limits

Page 1 of 1

Job Number: JE16518

Account: SESINJPB SESI Consulting Engineers

Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

Instrument ID: SSTRACE3

Effective Date: 02/11/21

Analyte	IDL ug/l
Aluminum	16.6
Antimony	1.7
Arsenic	2.1
Barium	.8
Beryllium	.3
Bismuth	2.3
Boron	2.3
Cadmium	.3
Calcium	6.6
Chromium	.3
Cobalt	.4
Copper	.8
Iron	5.3
Lead	1.1
Lithium	4.8
Magnesium	32.3
Manganese	.1
Molybdenum	.6
Nickel	.4
Phosphorus	1.2
Potassium	76.5
Selenium	3.2
Silicon	1.7
Silver	1
Sodium	34.4
Sulfur	3
Strontium	.3
Thallium	1.8
Tin	.8
Titanium	.5
Tungsten	2.6
Vanadium	.6
Yttrium	5
Zinc	.1
Zirconium	.3

The above applies to the following instrument runs:
MA59103

Instrument Linear Ranges

Job Number: JE16518
Account: SESINJPB SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

Instrument ID: SSTRACE3	Effective Date: 08/22/19
-------------------------	--------------------------

Analyte	Linear Range ug/l
Aluminum	300000
Antimony	8000
Arsenic	8000
Barium	8000
Beryllium	8000
Bismuth	8000
Boron	8000
Cadmium	8000
Calcium	200000
Cerium	8000
Chromium	8000
Cobalt	8000
Copper	8000
Iron	200000
Lead	8000
Lithium	8000
Magnesium	300000
Manganese	8000
Molybdenum	8000
Nickel	8000
Palladium	8000
Phosphorus	8000
Potassium	200000
Selenium	8000
Silicon	25000
Silver	625
Sodium	200000
Sulfur	100000
Strontium	8000
Thallium	8000
Tin	8000
Titanium	8000
Tungsten	8000
Vanadium	8000
Zinc	8000
Zirconium	8000

The above applies to the following instrument runs:
MA59103



Metals Analysis

Raw Data

7

Zoom In
Zoom Out

Sample Name: CCV Acquired: 8/7/2025 14:30:55 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2398	39.04	1.993	1.975	1.990	1.957	1.928	38.98	1.985
Stddev	.0008	.11	.006	.004	.006	.002	.006	.22	.003
%RSD	.3351	.2912	.2877	.1841	.2982	.1173	.3300	.5675	.1468
#1	.2400	38.91	1.989	1.975	1.984	1.955	1.930	38.73	1.984
#2	.2406	39.09	1.991	1.971	1.992	1.958	1.921	39.11	1.983
#3	.2390	39.11	2.000	1.978	1.995	1.960	1.933	39.12	1.989

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.970	1.998	1.952	1.885	39.20	40.27	1.989	38.22	1.998
Stddev	.003	.002	.003	.002	.06	.09	.005	.24	.002
%RSD	.1449	.1034	.1540	.0928	.1587	.2230	.2592	.6300	.1113
#1	1.973	1.996	1.950	1.884	39.13	40.17	1.983	37.94	2.000
#2	1.968	1.998	1.950	1.887	39.25	40.35	1.990	38.39	1.996
#3	1.969	2.000	1.955	1.884	39.23	40.30	1.994	38.33	1.999

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.954	40.75	2.011	1.982	2.003	2.095	1.959	1.991	4.926
Stddev	.002	.07	.004	.006	.002	.008	.005	.004	.015
%RSD	.0882	.1638	.1730	.3091	.0894	.3907	.2809	.1969	.2998
#1	1.955	40.67	2.007	1.983	2.001	2.094	1.963	1.993	4.934
#2	1.952	40.79	2.014	1.975	2.004	2.087	1.953	1.986	4.909
#3	1.955	40.79	2.012	1.987	2.003	2.104	1.960	1.993	4.935

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

Raw Data MA59103 page 1 of 267

Zoom In
Zoom Out

Sample Name: CCV Acquired: 8/7/2025 14:30:55 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.952	1.953	1.940	1.980	1.950	1.969	1.987	1.975
Stddev	.006	.052	.003	.002	.000	.005	.005	.002
%RSD	.2943	2.688	.1374	.1010	.0168	.2444	.2468	.1070
#1	1.947	1.895	1.939	1.980	1.950	1.969	1.981	1.977
#2	1.950	1.997	1.939	1.982	1.950	1.964	1.988	1.973
#3	1.958	1.968	1.943	1.978	1.950	1.974	1.991	1.974

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5568.5	81696.	22953.	3077.7
Stddev	13.5	52.	123.	9.0
%RSD	.24283	.06358	.53391	.29268
#1	5578.9	81755.	23090.	3082.1
#2	5573.4	81656.	22853.	3083.7
#3	5553.3	81677.	22916.	3067.3

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5568.5	81696.	22953.	3077.7
Stddev	13.5	52.	123.	9.0
%RSD	.24283	.06358	.53391	.29268
#1	5578.9	81755.	23090.	3082.1
#2	5573.4	81656.	22853.	3083.7
#3	5553.3	81677.	22916.	3067.3

Raw Data MA59103 page 2 of 267

Zoom In
Zoom Out

Sample Name: CCB Acquired: 8/7/2025 14:35:35 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	.0051	.0004	.0088	.0003	.0002	-.0012	.0039	.0003
Stddev	.0007	.0043	.0013	.0004	.0001	.0000	.0025	.0006	.0001
%RSD	140.5	82.99	348.4	4.682	34.45	10.11	202.5	14.82	30.27
#1	-.0012	.0093	.0011	.0092	.0004	.0002	.0015	.0041	.0002
#2	-.0006	.0053	-.0012	.0088	.0003	.0002	-.0034	.0033	.0004
#3	.0002	.0008	.0012	.0084	.0002	.0002	-.0018	.0044	.0003

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032	.0003	.0004	.0002	.0057	.1857	-.0005	.0139	.0002
Stddev	.0024	.0004	.0001	.0002	.0010	.0270	.0006	.0074	.0000
%RSD	73.71	155.1	14.14	122.4	18.00	14.56	118.5	53.28	12.05
#1	.0037	.0007	.0005	.0002	.0066	.1884	-.0009	.0184	.0002
#2	.0006	.0001	.0004	.0004	.0060	.2112	-.0008	.0054	.0003
#3	.0053	-.0000	.0005	-.0001	.0046	.1574	.0002	.0181	.0002

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	1.155	.0003	.0005	-.0004	F .0948	.0005	-.0007	.0046
Stddev	.0004	.007	.0004	.0014	.0011	.0048	.0013	.0020	.0014
%RSD	24.47	.6241	139.1	290.8	264.1	5.099	279.7	291.7	31.18
#1	.0019	1.160	.0002	-.0003	-.0004	.0941	.0009	.0011	.0029
#2	.0012	1.159	.0007	-.0004	.0007	.0904	-.0010	-.0029	.0056
#3	.0017	1.147	-.0001	.0021	-.0015	.1000	.0016	-.0003	.0051

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

Raw Data MA59103 page 3 of 267

Zoom In
Zoom Out

Sample Name: CCB Acquired: 8/7/2025 14:35:35 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0002	.0003	.0005	.0008	.0052	.0001	.0004
Stddev	.0007	.0000	.0004	.0026	.0001	.0006	.0002	.0001
%RSD	191.9	18.50	146.8	475.7	12.46	12.24	269.4	13.87
#1	.0011	.0002	.0007	.0021	.0009	.0059	.0002	.0003
#2	-.0003	.0002	.0004	-.0024	.0007	.0050	-.0000	.0004
#3	.0002	.0003	-.0002	.0020	.0007	.0046	-.0000	.0004

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5427.1	81696.	23558.	3131.2
Stddev	15.1	449.	125.	12.6
%RSD	.27834	.54907	.52941	.40336
#1	5442.1	81207.	23696.	3143.2
#2	5411.9	82089.	23457.	3118.0
#3	5427.3	81791.	23515.	3132.3

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5427.1	81696.	23558.	3131.2
Stddev	15.1	449.	125.	12.6
%RSD	.27834	.54907	.52941	.40336
#1	5442.1	81207.	23696.	3143.2
#2	5411.9	82089.	23457.	3118.0
#3	5427.3	81791.	23515.	3132.3

Raw Data MA59103 page 4 of 267

Sample Name: JE16541-5 Acquired: 8/7/2025 14:40:30 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	.3204	-.0008	2.288	.0938	-.0005	.0046	F 223.0
Stddev	.0004	.0052	.0001	.017	.0003	.0000	.0005	2.4
%RSD	22.00	1.625	15.52	.7588	.2868	8.548	11.06	1.091
#1	.0019	.3162	-.0007	2.269	.0934	-.0004	.0045	225.6
#2	.0012	.3262	-.0009	2.289	.0939	-.0004	.0051	222.4
#3	.0017	.3189	-.0009	2.304	.0939	-.0005	.0041	220.9
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0028	-.0011	.0001	.0012	.0444	.0562	F 251.2	.1053
Stddev	.0003	.0045	.0004	.0001	.0004	.0012	.3	.0011
%RSD	11.66	411.0	395.6	12.14	1.001	2.149	.1336	1.077
#1	-.0025	.0041	.0004	.0011	.0441	.0566	250.9	.1041
#2	-.0031	-.0034	-.0004	.0012	.0449	.0571	251.6	.1057
#3	-.0026	-.0039	.0002	.0013	.0441	.0548	251.1	.1062
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 532.9	.0011	.0065	*****	.0006	.0149	F -.0047	F 432.7
Stddev	1.5	.0001	.0002	----	.0003	.0007	.0018	1.8
%RSD	.2548	5.050	2.610	----	51.11	4.416	38.33	.4075
#1	594.7	.0011	.0066	----	.0009	.0156	-.0039	430.7
#2	592.0	.0010	.0066	----	.0007	.0144	-.0068	433.4
#3	592.0	.0011	.0063	----	.0003	.0146	-.0035	434.0
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	-.0023	2.067	-.0041	4.190	-.0005	-.0065	.0023
Stddev	.0011	.0007	.019	.0008	.069	.0003	.0021	.0003
%RSD	116.9	28.37	.9054	19.13	1.653	63.93	31.65	10.99
#1	.0021	-.0031	2.048	-.0049	4.171	-.0003	-.0056	.0025
#2	-.0002	-.0019	2.069	-.0039	4.132	-.0003	-.0051	.0020
#3	.0010	-.0020	2.085	-.0034	4.267	-.0008	-.0089	.0024

Raw Data MA59103 page 5 of 267

Sample Name: JE16541-5 Acquired: 8/7/2025 14:40:30 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	
Avg	.0023	.0040	.0002	
Stddev	.0010	.0001	.0001	
%RSD	43.44	2.287	66.90	
#1	.0014	.0040	.0003	
#2	.0033	.0040	.0002	
#3	.0021	.0039	.0001	
Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5067.2	81455.	20676.	2813.8
Stddev	12.1	472.	131.	9.0
%RSD	.23895	.57885	.63385	.31837
#1	5081.1	81862.	20544.	2824.0
#2	5059.4	81566.	20678.	2810.2
#3	5061.1	80938.	20806.	2807.2

Raw Data MA59103 page 6 of 267

Sample Name: MP56418-S1 Acquired: 8/7/2025 14:45:41 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0808	23.70	1.912	4.072	1.977	1.873	-.0099	246.6
Stddev	.0008	.13	.017	.036	.015	.011	.0033	.5
%RSD	.9357	.5673	.8812	.8944	.7517	.5882	32.92	.1888
#1	.0812	23.57	1.893	4.036	1.960	1.862	-.0126	246.1
#2	.0799	23.70	1.918	4.072	1.981	1.873	-.0109	246.6
#3	.0812	23.84	1.925	4.109	1.989	1.884	-.0063	247.1
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.052	-.0130	2.024	1.849	1.819	23.01	245.3	.0834
Stddev	.020	.0131	.024	.009	.016	.04	1.8	.0036
%RSD	.9493	100.6	1.177	.4796	.8557	.1952	.7524	4.322
#1	2.035	-.0118	2.003	1.841	1.801	22.96	243.5	.0812
#2	2.048	-.0006	2.019	1.846	1.826	23.03	245.1	.0815
#3	2.073	-.0266	2.050	1.858	1.830	23.04	247.2	.0876
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	590.1	1.902	1.930	F 4729.	2.019	.0086	2.038	443.6
Stddev	.5	.010	.018	.77	.023	.0067	.039	4.4
%RSD	.0876	.5140	.9207	1.630	1.138	78.00	1.910	.9870
#1	590.5	1.897	1.916	4818.	2.000	.0158	2.002	439.1
#2	589.5	1.895	1.924	4686.	2.012	.0072	2.032	443.7
#3	590.2	1.913	1.950	4683.	2.044	.0026	2.079	447.9
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.932	1.947	1.819	1.917	5.732	1.818	W 2.076	1.845
Stddev	.012	.013	.021	.023	.047	.012	.027	.010
%RSD	.6186	.6649	1.170	1.206	.8260	.6779	1.288	.5248
#1	1.920	1.933	1.801	1.895	5.680	1.806	2.053	1.836
#2	1.933	1.952	1.814	1.916	5.744	1.817	2.069	1.843
#3	1.943	1.957	1.842	1.941	5.772	1.831	2.105	1.855

Raw Data MA59103 page 7 of 267

Sample Name: MP56418-S1 Acquired: 8/7/2025 14:45:41 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	
Avg	1.620	1.889	1.884	
Stddev	.035	.022	.012	
%RSD	2.135	1.180	.6242	
#1	1.591	1.869	1.873	
#2	1.611	1.884	1.881	
#3	1.658	1.913	1.896	
Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5548.4	83525.	21465.	3109.7
Stddev	7.4	446.	308.	4.4
%RSD	.13282	.53441	1.4338	.14102
#1	5545.0	83071.	21110.	3105.6
#2	5556.8	83963.	21633.	3109.1
#3	5543.3	83540.	21652.	3114.3

Raw Data MA59103 page 8 of 267

Sample Name: MP56418-S2 Acquired: 8/7/2025 14:50:30 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0847	24.61	1.975	4.218	2.025	1.907	-.0086	256.1
Stddev	.0024	.17	.023	.065	.018	.018	.0080	3.4
%RSD	2.810	.7029	1.159	1.529	.9113	.9454	93.56	1.335
#1	.0820	24.44	1.951	4.149	2.011	1.890	-.0177	252.6
#2	.0866	24.60	1.978	4.227	2.018	1.905	-.0055	256.3
#3	.0854	24.79	1.996	4.278	2.046	1.926	-.0026	259.4
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.103	-.0114	2.075	1.896	1.874	24.36	253.7	.0912
Stddev	.029	.0042	.029	.012	.015	.32	3.4	.0013
%RSD	1.383	36.75	1.398	.6511	.7972	1.302	1.344	1.390
#1	2.073	-.0090	2.047	1.882	1.860	24.03	250.3	.0921
#2	2.104	-.0163	2.073	1.901	1.874	24.40	253.7	.0898
#3	2.131	-.0090	2.105	1.905	1.889	24.66	257.1	.0918
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	616.1	1.946	2.003	F 5029.	2.078	.0109	2.103	466.7
Stddev	9.3	.009	.023	112.	.029	.0072	.028	7.1
%RSD	1.502	.4486	1.150	2.216	1.381	66.61	1.331	1.519
#1	606.7	1.937	1.979	5043.	2.052	.0035	2.076	459.4
#2	616.4	1.950	2.005	5133.	2.073	.0180	2.103	467.1
#3	625.2	1.953	2.024	4912.	2.109	.0111	2.132	473.5
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.018	1.971	1.895	1.983	5.938	1.896	W 2.126	1.895
Stddev	.023	.025	.031	.025	.052	.012	.015	.016
%RSD	1.142	1.243	1.619	1.257	.8803	.6312	.6912	.8223
#1	2.002	1.949	1.863	1.959	5.890	1.883	2.115	1.877
#2	2.007	1.967	1.896	1.982	5.931	1.898	2.119	1.901
#3	2.044	1.997	1.924	2.009	5.994	1.907	2.142	1.906

Raw Data MA59103 page 9 of 267

Sample Name: MP56418-S2 Acquired: 8/7/2025 14:50:30 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	
Avg	1.763	1.918	1.979	
Stddev	.024	.026	.008	
%RSD	1.376	1.373	.4065	
#1	1.736	1.890	1.969	
#2	1.770	1.921	1.982	
#3	1.783	1.943	1.984	
Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5533.1	83656.	21491.	3117.4
Stddev	10.8	376.	195.	7.8
%RSD	.19595	.44915	.90650	.24921
#1	5543.1	83609.	21713.	3126.3
#2	5534.5	83305.	21413.	3113.5
#3	5521.6	84052.	21347.	3112.3

Raw Data MA59103 page 10 of 267

Sample Name: JE16544-1 Acquired: 8/7/2025 14:55:17 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	.1885	.0017	2.165	.0884	-.0004	.0146	228.1	-.0030
Stddev	.0010	.0307	.0078	.026	.0011	.0002	.0031	.8	.0009
%RSD	194.8	16.28	451.6	1.213	1.270	54.96	21.05	.3341	28.82
#1	-.0006	.1826	.0040	2.140	.0872	-.0006	.0181	227.3	-.0021
#2	-.0015	.1612	-.0069	2.163	.0893	-.0003	.0136	228.2	-.0032
#3	.0005	.2217	.0080	2.193	.0888	-.0002	.0122	228.8	-.0038
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049	-.0013	.0016	-.0056	.0463	226.6	.0929	579.9	.0008
Stddev	.0128	.0007	.0005	.0031	.0020	1.9	.0036	.7	.0001
%RSD	259.5	51.60	30.01	56.40	4.392	.8580	3.896	.1223	10.31
#1	.0185	-.0012	.0017	-.0028	.0476	224.4	.0949	579.1	.0007
#2	.0033	-.0020	.0021	-.0049	.0473	227.1	.0951	580.1	.0008
#3	-.0070	-.0007	.0011	-.0090	.0439	228.2	.0887	580.5	.0008
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0076	F 4963.	.0020	.0196	.0001	449.7	-.0068	-.0065	1.857
Stddev	.0011	.72	.0026	.0085	.0057	4.2	.0089	.0066	.018
%RSD	13.79	1.458	132.1	43.26	5418.	.9344	131.9	101.1	.9734
#1	.0074	5013.	.0047	.0293	-.0061	446.1	.0020	-.0044	1.847
#2	.0067	4997.	-.0004	.0162	.0052	448.7	-.0064	-.0140	1.846
#3	.0088	4880.	.0016	.0134	.0013	454.3	-.0159	-.0012	1.878
Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-.0139	3.906	-.0017	-.0116	.0052	.0620	.0008	.0044	
Stddev	.0034	.042	.0014	.0093	.0013	.0070	.0005	.0007	
%RSD	24.56	1.077	83.17	80.36	25.12	11.32	59.84	15.89	
#1	-.0145	3.861	-.0027	-.0193	.0061	.0678	.0007	.0047	
#2	-.0169	3.912	-.0022	-.0142	.0058	.0640	.0004	.0049	
#3	-.0102	3.944	-.0001	-.0012	.0037	.0542	.0013	.0036	

Raw Data MA59103 page 11 of 267

Sample Name: JE16544-1 Acquired: 8/7/2025 14:55:17 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5547.2	84119.	21576.	3157.3
Stddev	15.7	241.	256.	12.1
%RSD	.28222	.28671	1.1880	.38277
#1	5529.1	83865.	21296.	3144.0
#2	5555.9	84345.	21634.	3160.1
#3	5556.4	84147.	21799.	3167.7

Raw Data MA59103 page 12 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-SD1 Acquired: 8/7/2025 15:00:15 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0081	.1806	.0057	2.344	.0777	-0.0015	-0.0008	205.2	-0.0062
Stddev	.0112	.1037	.0387	.119	.0006	.0003	.0304	6.2	.0008
%RSD	138.3	57.41	674.0	5.085	.7707	19.66	3846.	3.043	12.20

#1	-.0065	.2518	.0319	2.223	.0772	-.0016	.0245	199.0	-.0059
#2	.0022	.2283	.0240	2.348	.0784	-.0017	-.0345	205.3	-.0056
#3	-.0201	.0617	-.0387	2.461	.0775	-.0012	.0076	211.4	-.0070

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0234	-0.0050	-0.0025	.0472	.0201	190.1	.0805	513.2	.0011
Stddev	.0799	.0025	.0039	.0190	.0082	6.5	.0070	15.0	.0009
%RSD	341.1	49.68	157.2	40.20	40.96	3.414	8.712	2.933	90.06

#1	.0529	-.0056	.0012	.0262	.0277	183.5	.0870	499.4	.0003
#2	-.1064	-.0023	-.0066	.0521	.0213	190.4	.0816	511.0	.0021
#3	-.0168	-.0072	-.0021	.0632	.0113	196.4	.0730	529.3	.0007

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0135	4509.	.0068	.0800	.0088	478.0	-0.0199	-0.0589	1.949
Stddev	.0059	114.	.0120	.0191	.0252	30.5	.0108	.0565	.133
%RSD	44.03	2.528	176.0	23.86	287.2	6.376	54.28	95.84	6.800

#1	.0173	4442.	-.0068	.0588	.0350	448.5	-.0168	-.0274	1.823
#2	.0166	4444.	.0113	.0853	-.0153	476.0	-.0320	-.0252	1.937
#3	.0066	4640.	.0159	.0959	.0067	509.4	-.0110	-.1241	2.088

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.0091	3.367	-0.0005	-0.0561	.0033	.1915	.0170	.0113	
Stddev	.0056	.110	.0021	.0347	.0047	.0279	.0038	.0063	
%RSD	61.21	3.267	426.7	61.85	141.7	14.59	22.16	55.87	

#1	-.0027	3.255	.0019	-.0662	.0032	.2238	.0142	.0082	
#2	-.0130	3.370	-.0022	-.0175	.0081	.1745	.0155	.0072	
#3	-.0116	3.475	-.0011	-.0846	-.0013	.1763	.0212	.0186	

Raw Data MA59103 page 13 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-SD1 Acquired: 8/7/2025 15:00:15 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5474.3	82157.	21933.	3143.4
Stddev	6.0	324.	131.	3.4
%RSD	.10967	.39405	.59928	.10840

#1	5467.6	81801.	21905.	3144.2
#2	5476.0	82434.	22076.	3146.4
#3	5479.2	82236.	21818.	3139.7

Raw Data MA59103 page 14 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-S1 Acquired: 8/7/2025 15:05:16 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0865	25.60	1.942	5.056	1.998	1.806	-0.0122	302.4
Stddev	.0019	.06	.010	.058	.011	.009	.0068	2.5
%RSD	2.225	2262	.5275	1.145	.5509	.4679	55.42	.8388

#1	.0843	25.54	1.931	4.989	1.986	1.899	-.0054	302.2
#2	.0874	25.60	1.943	5.089	2.003	1.903	-.0124	300.0
#3	.0878	25.66	1.952	5.090	2.006	1.916	-.0189	305.0

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.070	-0.0167	2.031	1.869	1.887	24.41	297.6	.1196
Stddev	.013	.0125	.018	.004	.007	.11	3.6	.0045
%RSD	.6372	74.75	.8590	.2207	.3619	.4645	1.213	3.787

#1	2.056	-.0190	2.013	1.865	1.889	24.46	293.9	.1195
#2	2.073	-.0032	2.034	1.873	1.903	24.28	297.7	.1151
#3	2.081	-.0279	2.048	1.868	1.899	24.50	301.1	.1241

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	874.6	1.948	1.964	F 6308.	2.036	.0563	2.065	F 596.5
Stddev	9.4	.001	.016	162.	.017	.0024	.014	5.9
%RSD	1.078	.0411	.8243	2.573	.8488	4.188	.6712	.9876

#1	875.8	1.947	1.947	6292.	2.020	.0591	2.050	589.7
#2	864.7	1.948	1.966	6154.	2.033	.0550	2.069	599.2
#3	883.4	1.948	1.979	6478.	2.054	.0550	2.077	600.5

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.989	1.966	1.360	1.948	7.199	1.872	W 2.119	1.874
Stddev	.013	.032	.020	.014	.049	.007	.009	.003
%RSD	.6425	1.627	1.442	.7310	.6795	.3630	.4111	.1606

#1	1.974	1.929	1.340	1.938	7.142	1.866	2.129	1.871
#2	1.995	1.987	1.361	1.943	7.225	1.879	2.114	1.877
#3	1.997	1.982	1.379	1.965	7.229	1.870	2.114	1.873

Raw Data MA59103 page 15 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-S1 Acquired: 8/7/2025 15:05:16 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.694	1.878	1.974
Stddev	.016	.015	.005
%RSD	.9654	.8059	.2639

#1	1.678	1.865	1.970
#2	1.693	1.875	1.980
#3	1.711	1.895	1.971

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5481.1	82951.	21287.	3084.1
Stddev	24.2	36.	248.	17.3
%RSD	.44111	.04295	1.1637	.56038

#1	5509.4	82977.	21211.	3098.7
#2	5463.6	82910.	21564.	3065.0
#3	5500.2	82965.	21086.	3088.7

Raw Data MA59103 page 16 of 267

[◀ Zoom In ▶](#)
[Zoom Out](#)

Sample Name: MP56417-S2 Acquired: 8/7/2025 15:10:04 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0859	25.02	1.998	4.956	1.986	1.923	-.0105	280.2
Stddev	.0021	.06	.024	.079	.006	.008	.0055	1.4
%RSD	2.414	.2340	1.178	1.601	.3283	.4269	52.11	.5077

#1	.0883	24.96	1.974	4.885	1.980	1.916	-.0117	279.0
#2	.0846	25.03	1.999	4.940	1.987	1.922	-.0152	279.9
#3	.0848	25.08	2.021	5.041	1.992	1.932	-.0045	281.8

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.122	-.0263	2.075	1.888	1.918	24.19	277.3	-.1056
Stddev	.024	.0086	.022	.011	.004	.09	3.2	.0026
%RSD	1.112	32.67	1.043	.5694	.1871	.3584	1.155	2.445

#1	2.101	-.0277	2.058	1.884	1.914	24.14	274.2	.1075
#2	2.117	-.0171	2.067	1.880	1.919	24.14	277.0	.1067
#3	2.148	-.0342	2.099	1.900	1.920	24.29	280.6	.1027

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	801.8	1.950	2.017	F 5923.	2.072	.0523	2.092	F 566.4
Stddev	4.3	.012	.020	30.	.027	.0072	.028	7.9
%RSD	.5303	.6073	1.007	.5082	1.304	13.80	1.349	1.389

#1	798.4	1.939	1.996	5898.	2.049	.0511	2.063	559.6
#2	800.4	1.949	2.017	5957.	2.067	.0458	2.093	564.7
#3	806.5	1.963	2.036	5915.	2.102	.0601	2.120	575.0

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.040	2.020	1.309	1.998	6.845	1.899	W 2.157	1.887
Stddev	.027	.032	.018	.018	.031	.008	.019	.011
%RSD	1.308	1.603	1.341	.8857	.4537	.4267	.9011	.5762

#1	2.011	1.988	1.298	1.985	6.813	1.898	2.135	1.877
#2	2.045	2.018	1.300	1.990	6.847	1.891	2.174	1.884
#3	2.064	2.053	1.329	2.018	6.875	1.907	2.160	1.899

Raw Data MA59103 page 17 of 267

[◀ Zoom In ▶](#)
[Zoom Out](#)

Sample Name: JE16540-1 Acquired: 8/7/2025 15:14:53 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	.3407	.0036	3.161	.0385	-.0008	.0078	272.2	-.0036
Stddev	.0004	.0332	.0035	.033	.0007	.0000	.0130	1.9	.0006
%RSD	69.03	9.742	95.72	1.045	1.787	3.143	165.5	.6961	16.28

#1	-.0001	.3029	.0020	3.136	.0377	-.0007	.0206	270.3	-.0035
#2	-.0007	.3540	.0076	3.148	.0390	-.0008	.0053	272.4	-.0031
#3	-.0009	.3651	.0012	3.198	.0389	-.0008	.0082	274.0	-.0042

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023	-.0004	.0055	-.0036	.1580	269.8	.1163	823.2	.0122
Stddev	.0100	.0007	.0014	.0052	.0044	4.6	.0058	4.4	.0002
%RSD	428.5	164.4	26.17	143.5	2.777	1.716	4.985	.5331	1.238

#1	.0135	.0003	.0041	-.0024	.1557	264.9	.1119	818.6	.0121
#2	-.0008	-.0011	.0070	-.0093	.1553	270.4	.1142	823.7	.0123
#3	-.0057	-.0004	.0054	.0008	.1631	274.1	.1229	827.3	.0123

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0105	F 6258.	.0023	.0815	-.0080	F 600.2	-.0084	-.0132	1.374
Stddev	.0004	95.	.0029	.0042	.0027	5.5	.0010	.0037	.018
%RSD	4.045	1.513	129.8	5.141	34.01	.9185	11.48	28.17	1.300

#1	.0106	6201.	.0002	.0770	-.0092	597.4	-.0095	-.0151	1.361
#2	.0101	6205.	.0056	.0825	-.0098	596.6	-.0079	-.0155	1.366
#3	.0109	6367.	.0010	.0852	-.0048	606.5	-.0078	-.0089	1.394

Elem	Sn1899	Sr4077	Ti3349	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-.0110	5.170	.0006	-.0213	.0055	.0775	.0016	.0066
Stddev	.0024	.052	.0014	.0095	.0009	.0060	.0008	.0007
%RSD	22.14	1.003	253.4	44.28	16.56	7.736	50.01	10.67

#1	-.0133	5.115	.0018	-.0315	.0060	.0844	.0015	.0059
#2	-.0112	5.178	.0010	-.0196	.0061	.0742	.0008	.0068
#3	-.0085	5.218	-.0010	-.0129	.0045	.0739	.0024	.0073

Raw Data MA59103 page 19 of 267

[◀ Zoom In ▶](#)
[Zoom Out](#)

Sample Name: MP56417-S2 Acquired: 8/7/2025 15:10:04 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.785	1.924	1.982
Stddev	.014	.022	.008
%RSD	.7737	1.162	.3927

#1	1.770	1.904	1.974
#2	1.787	1.919	1.982
#3	1.797	1.948	1.990

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5500.3	83838.	21379.	3070.1
Stddev	22.3	309.	62.	12.9
%RSD	.4059	.36908	.29084	.42084

#1	5479.2	84188.	21337.	3058.0
#2	5523.7	83602.	21450.	3083.7
#3	5498.0	83723.	21349.	3068.7

Raw Data MA59103 page 18 of 267

[◀ Zoom In ▶](#)
[Zoom Out](#)

Sample Name: JE16540-1 Acquired: 8/7/2025 15:14:53 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5556.6	85273.	21659.	3115.1
Stddev	21.6	162.	124.	16.2
%RSD	.38888	.18939	.57274	.52003

#1	5534.5	85172.	21524.	3097.8
#2	5577.7	85459.	21687.	3130.0
#3	5557.6	85187.	21767.	3117.5

Sample Name: MP56417-SD1 Acquired: 8/7/2025 15:19:52 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0078	.4200	.0200	3.305	.0376	-0.0014	.0241	264.9	-0.0064
Stddev	.0079	.0168	.0100	.150	.0002	.0011	.0530	2.2	.0008
%RSD	101.3	4.000	50.09	4.532	.4024	83.15	219.8	.8427	12.89
#1	-.0138	.4008	.0248	3.143	.0375	-.0004	.0692	262.4	-.0059
#2	-.0106	.4271	.0268	3.332	.0377	-.0026	.0375	266.6	-.0061
#3	-.0011	.4321	.0085	3.439	.0375	-.0011	-.0343	265.7	-.0074
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.1332	-0.0141	.0079	-0.0189	.1471	244.4	.0785	775.8	.0134
Stddev	.0788	.0037	.0082	.0134	.0346	5.0	.0207	6.6	.0012
%RSD	59.19	26.57	103.7	70.95	23.51	2.035	26.35	.8483	9.166
#1	-.0610	-.0098	.0114	-.0245	.1313	239.2	.0996	769.4	.0120
#2	-.2172	-.0166	-.0015	-.0286	.1868	244.9	.0582	782.5	.0143
#3	-.1213	-.0159	.0138	-.0036	.1233	249.1	.0777	775.5	.0138
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0128	F 6371.	.0162	.0724	.0031	620.1	-0.0145	-0.0375	1.395
Stddev	.0069	40.	.0082	.0247	.0111	26.4	.0164	.0542	.035
%RSD	53.97	.6270	50.33	34.11	353.8	4.252	113.3	144.5	2.525
#1	.0071	6325.	.0082	.1008	.0070	592.9	-.0200	.0230	1.368
#2	.0108	6395.	.0159	.0557	.0118	621.8	-.0274	-.0816	1.383
#3	.0205	6393.	.0246	.0608	-.0094	645.6	.0040	-.0539	1.435
Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.0254	4.923	.0058	-0.0237	.0173	.2165	.0590	.0152	
Stddev	.0072	.041	.0031	.0263	.0072	.0292	.0020	.0060	
%RSD	28.27	.8387	52.99	111.0	41.49	13.49	3.430	39.47	
#1	-.0212	4.876	.0086	-.0101	.0249	.2466	.0567	.0151	
#2	-.0336	4.940	.0063	-.0539	.0106	.2148	.0596	.0212	
#3	-.0212	4.954	.0025	-.0069	.0164	.1883	.0606	.0092	

Raw Data MA59103 page 21 of 267

Sample Name: MP56417-SD1 Acquired: 8/7/2025 15:19:52 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5582.5	84407.	22861.	3162.2
Stddev	12.0	173.	133.	8.9
%RSD	.21520	.20551	.58108	.27989

#1	5586.2	84599.	22844.	3165.7
#2	5569.0	84260.	22738.	3152.1
#3	5592.2	84362.	23002.	3168.7

Raw Data MA59103 page 22 of 267

Sample Name: JE16540-2 Acquired: 8/7/2025 15:24:53 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	.8290	-0.0010	2.955	.0452	-0.0008	-0.0002	270.8	-0.0041
Stddev	.0009	.0204	.0036	.063	.0010	.0001	.0013	3.4	.0004
%RSD	56.42	2.460	362.7	2.125	2.235	12.38	745.6	1.253	9.810
#1	.0018	.8072	.0031	2.892	.0442	-.0007	.0014	267.4	-.0045
#2	.0024	.8476	-.0023	2.955	.0451	-.0009	-.0010	270.9	-.0038
#3	.0006	.8323	-.0038	3.018	.0462	-.0008	-.0009	274.2	-.0038
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0155	.0011	.0295	.0298	.4907	261.2	.1172	825.8	.1152
Stddev	.0152	.0021	.0008	.0043	.0120	5.6	.0010	10.4	.0008
%RSD	98.03	195.1	2.827	14.34	2.448	2.154	.8260	1.259	.6849
#1	-.0119	.0034	.0286	.0313	.4958	255.3	.1174	815.8	.1143
#2	-.0025	.0008	.0303	.0332	.4769	261.7	.1162	825.1	.1153
#3	-.0323	-.0009	.0296	.0250	.4993	266.6	.1181	836.5	.1159
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0087	F 6091.	.0316	.1707	-0.0005	F 589.9	-0.0036	-0.0046	1.462
Stddev	.0008	55.	.0021	.0019	.0035	11.0	.0049	.0035	.023
%RSD	9.173	.9001	6.709	1.095	665.5	1.872	133.5	75.89	1.576
#1	.0084	6074.	.0306	.1719	-.0045	579.0	-.0070	-.0040	1.439
#2	.0081	6047.	.0340	.1716	.0009	589.8	-.0059	-.0084	1.460
#3	.0096	6152.	.0302	.1685	.0021	601.0	.0019	-.0015	1.485
Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.0123	5.162	.0062	-0.0022	.0060	.0248	.0344	.0043	
Stddev	.0031	.042	.0011	.0067	.0002	.0037	.0005	.0009	
%RSD	25.15	.8034	17.85	297.0	2.886	14.92	1.532	20.51	
#1	-.0091	5.117	.0074	-.0024	.0061	.0248	.0340	.0047	
#2	-.0153	5.172	.0058	.0045	.0058	.0286	.0341	.0033	
#3	-.0125	5.198	.0053	-.0088	.0061	.0211	.0350	.0048	

Raw Data MA59103 page 23 of 267

Sample Name: JE16540-2 Acquired: 8/7/2025 15:24:53 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5535.8	84420.	21538.	3116.4
Stddev	11.0	224.	148.	8.5
%RSD	.19837	.26543	.68679	.27277

#1	5548.4	84517.	21658.	3126.2
#2	5530.5	84579.	21584.	3111.9
#3	5528.5	84164.	21373.	3111.0

Raw Data MA59103 page 24 of 267

Sample Name: CCV Acquired: 8/7/2025 15:29:51 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2389	39.16	1.940	1.941	2.000	1.955	1.892	38.94	1.970
Stddev	.0009	.19	.005	.007	.011	.008	.007	.22	.004
%RSD	.3563	.4817	.2544	.3803	.5314	.4236	.3676	.5560	.2262
#1	.2379	39.18	1.934	1.933	2.001	1.957	1.884	38.80	1.965
#2	.2390	39.34	1.942	1.946	2.011	1.962	1.896	39.19	1.972
#3	.2396	38.97	1.944	1.944	1.989	1.946	1.897	38.84	1.973

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.973	1.986	1.949	1.847	39.10	40.39	2.015	38.24	2.004
Stddev	.008	.003	.005	.003	.17	.19	.012	.20	.005
%RSD	.4223	.1732	.2729	.1810	.4443	.4580	.5793	.5118	.2645
#1	1.965	1.983	1.948	1.843	39.00	40.49	2.018	38.04	1.998
#2	1.973	1.984	1.955	1.848	39.30	40.51	2.025	38.43	2.009
#3	1.982	1.989	1.945	1.850	38.99	40.18	2.002	38.25	2.004

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.938	40.89	2.000	1.948	1.999	2.032	1.927	1.948	4.846
Stddev	.002	.16	.004	.008	.006	.007	.007	.007	.017
%RSD	.1026	.3967	.2005	.3975	.2893	.3617	.3513	.3837	.3450
#1	1.935	40.94	1.996	1.939	1.996	2.024	1.920	1.940	4.827
#2	1.938	41.02	1.999	1.953	1.996	2.038	1.929	1.955	4.858
#3	1.939	40.70	2.004	1.951	2.006	2.035	1.933	1.950	4.853

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

Raw Data MA59103 page 25 of 267

Sample Name: CCV Acquired: 8/7/2025 15:29:51 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.931	2.028	1.930	1.964	1.948	1.953	1.971	1.973
Stddev	.001	.056	.003	.005	.003	.004	.005	.004
%RSD	.0610	2.779	.1411	.2459	.1735	.2120	.2462	.2182
#1	1.930	1.969	1.930	1.959	1.945	1.950	1.970	1.968
#2	1.932	2.081	1.933	1.966	1.952	1.951	1.966	1.975
#3	1.930	2.035	1.927	1.968	1.947	1.958	1.976	1.976

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5527.3	80570.	22520.	3071.0
Stddev	7.2	277.	221.	6.9
%RSD	.13113	.34335	.98119	.22398
#1	5533.1	80714.	22750.	3076.2
#2	5519.1	80251.	22310.	3063.2
#3	5529.6	80745.	22500.	3073.7

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.938	40.89	2.000	1.948	1.999	2.032	1.927	1.948	4.846
Stddev	.002	.16	.004	.008	.006	.007	.007	.007	.017
%RSD	.1026	.3967	.2005	.3975	.2893	.3617	.3513	.3837	.3450
#1	1.935	40.94	1.996	1.939	1.996	2.024	1.920	1.940	4.827
#2	1.938	41.02	1.999	1.953	1.996	2.038	1.929	1.955	4.858
#3	1.939	40.70	2.004	1.951	2.006	2.035	1.933	1.950	4.853

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

Raw Data MA59103 page 26 of 267

Sample Name: CCB Acquired: 8/7/2025 15:34:30 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	.0027	.0008	.0062	.0004	.0002	.0014	.0013	.0003
Stddev	.0001	.0049	.0007	.0003	.0001	.0001	.0002	.0015	.0001
%RSD	22.11	177.4	94.72	4.432	18.09	27.38	16.81	117.1	21.10
#1	-.0006	-.0007	.0015	.0062	.0003	.0002	.0011	.0001	.0002
#2	-.0004	.0007	.0007	.0065	.0004	.0003	.0016	.0007	.0003
#3	-.0007	.0083	.0001	.0060	.0003	.0002	.0014	.0030	.0004

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0045	.0001	.0003	.0014	.0057	.1025	.0005	.0115	.0003
Stddev	.0040	.0001	.0003	.0003	.0015	.0201	.0003	.0079	.0000
%RSD	90.05	66.62	104.2	19.92	26.14	19.64	71.46	69.10	1.923
#1	.0087	.0001	-.0000	.0012	.0040	.1011	.0001	.0034	.0003
#2	.0007	.0001	.0003	.0014	.0064	.1233	.0008	.0193	.0003
#3	.0040	.0002	.0005	.0017	.0067	.0831	.0005	.0118	.0003

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.5765	.0002	.0029	.0011	.0249	-.0015	-.0008	.0030
Stddev	.0001	.0067	.0005	.0008	.0013	.0005	.0017	.0015	.0012
%RSD	8.399	1.169	240.3	27.62	115.5	1.921	110.8	185.2	40.53
#1	.0012	.5838	.0003	.0029	.0026	.0250	-.0015	-.0011	.0043
#2	.0011	.5752	-.0003	.0021	.0000	.0253	-.0032	-.0022	.0028
#3	.0011	.5705	.0006	.0037	.0008	.0244	.0001	.0008	.0019

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

Raw Data MA59103 page 27 of 267

Sample Name: CCB Acquired: 8/7/2025 15:34:30 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0003	.0006	-.0019	.0002	.0030	.0002	.0006
Stddev	.0004	.0000	.0005	.0005	.0002	.0003	.0000	.0001
%RSD	78.10	3.640	80.15	26.41	67.31	9.785	10.74	13.76
#1	.0004	.0003	.0011	-.0020	.0001	.0029	.0002	.0005
#2	.0001	.0003	.0004	-.0014	.0002	.0027	.0002	.0007
#3	.0009	.0003	.0002	-.0024	.0004	.0033	.0001	.0006

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5317.3	79719.	22216.	3118.1
Stddev	7.2	403.	56.	4.9
%RSD	.13505	.50581	.25179	.15619
#1	5324.4	79575.	22272.	3121.9
#2	5317.3	80174.	22161.	3119.8
#3	5310.1	79407.	22215.	3112.6

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

Raw Data MA59103 page 28 of 267

Sample Name: JE16540-3 Acquired: 8/7/2025 15:39:25 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.006	.0242	-0.021	2.762	.0475	-0.010	.0046	263.4	-0.0034
Stddev	.0027	.0252	.0042	.028	.0006	.0002	.0050	2.4	.0007
%RSD	433.8	104.0	201.5	1.006	1.292	23.29	107.9	.9146	21.07

#1	.0018	.0521	.0026	2.731	.0470	-0.011	.0080	261.3	-0.0042
#2	-0.0002	.0030	-0.0033	2.783	.0474	-0.0007	-0.011	262.9	-0.0028
#3	-0.0035	.0177	-0.0056	2.774	.0482	-0.010	.0069	266.0	-0.0033

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0145	.0003	.0082	.0854	.0869	256.9	.1125	808.6	.0107
Stddev	.0049	.0003	.0008	.0021	.0112	4.6	.0052	6.8	.0002
%RSD	33.44	109.3	10.13	2.428	12.84	1.773	4.596	.8353	2.101

#1	-.0146	.0007	.0077	.0845	.0769	252.2	.1168	802.5	.0105
#2	-.0193	.0000	.0091	.0878	.0849	257.1	.1068	807.5	.0106
#3	-.0096	.0002	.0076	.0839	.0989	261.3	.1140	815.8	.0109

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0093	F 6221.	.0099	.0270	.0213	F 562.3	-0.0020	-0.0077	1.196
Stddev	.0011	41.	.0011	.0059	.0046	5.0	.0027	.0095	.010
%RSD	11.50	.6632	10.98	21.77	21.43	.8940	137.8	122.9	.8036

#1	.0094	6175.	.0100	.0308	.0196	556.6	-.0051	-.0040	1.187
#2	.0104	6256.	.0087	.0202	.0178	564.5	-.0003	-.0007	1.206
#3	.0082	6231.	.0109	.0301	.0264	565.9	-.0005	-.0185	1.196

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.0097	4.890	.0003	.0009	.0037	.0139	.3393	.0028	
Stddev	.0041	.045	.0011	.0020	.0014	.0053	.0027	.0006	
%RSD	42.43	.9305	432.6	226.0	38.39	37.88	.7809	21.78	

#1	-.0053	4.847	.0015	.0027	.0021	.0092	.3366	.0032	
#2	-.0134	4.885	-.0002	.0013	.0047	.0196	.3396	.0021	
#3	-.0103	4.938	-.0006	-.0013	.0044	.0129	.3418	.0032	

Raw Data MA59103 page 29 of 267

Sample Name: JE16540-4 Acquired: 8/7/2025 15:44:22 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0671	-0.0003	2.793	.0382	-0.0007	.0036	266.5	-0.0032
Stddev	.0013	.0142	.0023	.025	.0004	.0003	.0085	1.6	.0011
%RSD	688.7	21.16	878.1	.9113	1.034	46.38	238.7	.6088	34.02

#1	-.0007	.0833	-.0014	2.765	.0387	-.0004	-.0062	264.6	-.0021
#2	-.0012	.0607	-.0017	2.800	.0380	-.0010	-.0060	267.5	-.0034
#3	.0013	.0571	.0024	2.814	.0380	-.0007	.0105	267.3	-.0042

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0272	.0013	.0033	.0093	.0653	264.4	.1086	824.6	.0253
Stddev	.0217	.0018	.0011	.0039	.0085	2.6	.0015	5.6	.0003
%RSD	79.74	136.9	34.00	42.27	13.04	.9810	1.358	.6848	1.077

#1	-.0055	.0033	.0032	.0109	.0677	261.8	.1103	818.4	.0254
#2	-.0273	.0006	.0045	.0121	.0559	264.4	.1081	829.5	.0250
#3	-.0489	-.0001	.0023	.0048	.0725	266.9	.1075	825.9	.0255

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092	F 6211.	.0071	.0177	-0.0074	F 567.6	.0019	-0.0109	1.101
Stddev	.0017	48.	.0008	.0035	.0086	5.0	.0017	.0036	.009
%RSD	18.11	.7665	11.19	19.90	115.8	.8777	87.38	33.41	.7973

#1	.0110	6250.	.0076	.0185	.0025	562.1	.0003	-.0145	1.093
#2	.0078	6225.	.0075	.0207	-.0125	569.0	.0017	-.0110	1.099
#3	.0086	6158.	.0062	.0138	-.0123	571.8	.0037	-.0072	1.110

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.0104	4.947	.0015	-0.0105	.0015	.0046	.0246	.0018	
Stddev	.0032	.027	.0009	.0060	.0009	.0024	.0009	.0003	
%RSD	30.39	.5543	58.92	57.32	56.62	51.80	3.767	14.21	

#1	-.0071	4.924	.0022	-.0039	.0024	.0024	.0240	.0020	
#2	-.0105	4.940	.0005	-.0119	.0014	.0043	.0243	.0015	
#3	-.0134	4.977	.0018	-.0157	.0007	.0071	.0257	.0020	

Raw Data MA59103 page 31 of 267

Sample Name: JE16540-3 Acquired: 8/7/2025 15:39:25 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5579.0	84333.	20911.	3173.9
Stddev	44.2	267.	45.	30.9
%RSD	.79270	.31680	.21290	.97403

#1	5564.2	84424.	20909.	3166.0
#2	5544.0	84033.	20957.	3147.6
#3	5628.7	84543.	20868.	3207.9

Raw Data MA59103 page 30 of 267

Sample Name: JE16540-4 Acquired: 8/7/2025 15:44:22 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5609.3	85397.	20999.	3187.0
Stddev	36.1	385.	95.	24.1
%RSD	.64307	.45112	.45079	.75534

#1	5590.5	85448.	21050.	3171.6
#2	5586.6	85755.	20890.	3174.7
#3	5650.9	84989.	21058.	3214.7

Raw Data MA59103 page 32 of 267

Sample Name: JE16540-5 Acquired: 8/7/2025 15:49:21 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0015	.1186	-0.0005	2.964	.0501	-0.0007	-0.0017	272.1	-0.0026
Stddev	.0023	.0150	.0033	.082	.0003	.0002	.0033	2.9	.0010
%RSD	153.1	12.68	648.3	2.767	.6553	22.15	188.1	1.069	38.32
#1	.0012	.1233	.0033	2.879	.0500	-.0006	-.0041	268.9	-.0030
#2	-.0031	.1307	-.0031	2.969	.0498	-.0009	.0020	272.7	-.0015
#3	-.0026	.1017	-.0017	3.043	.0504	-.0007	-.0031	274.7	-.0034
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0111	.0006	.0037	.0048	.0761	264.5	.1141	834.6	.0166
Stddev	.0197	.0013	.0010	.0019	.0029	4.8	.0030	8.9	.0002
%RSD	177.9	229.4	27.75	39.32	3.839	1.817	2.669	1.072	.9828
#1	.0261	.0013	.0040	.0070	.0727	259.8	.1106	824.9	.0165
#2	.0184	-.0009	.0046	.0037	.0778	264.1	.1156	836.3	.0165
#3	-.0112	.0013	.0026	.0037	.0777	269.4	.1162	842.5	.0167
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0085	F 6211.	.0060	.0114	.0001	F 590.3	-0.0069	-0.0083	1.509
Stddev	.0013	49.	.0013	.0032	.0096	15.1	.0047	.0047	.035
%RSD	15.13	.7816	21.61	28.18	17390.	2.559	69.06	56.75	2.333
#1	.0091	6181.	.0071	.0091	.0109	575.1	-.0107	-.0127	1.477
#2	.0094	6184.	.0062	.0151	-.0034	590.6	-.0084	-.0090	1.503
#3	.0071	6267.	.0046	.0101	-.0073	605.3	-.0016	-.0033	1.547
Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.0093	4.987	.0003	-.0084	.0020	.0029	.0283	.0003	
Stddev	.0026	.049	.0020	.0094	.0008	.0026	.0008	.0005	
%RSD	27.79	.9891	623.8	112.6	41.34	91.03	2.805	173.6	
#1	-.0075	4.941	.0015	.0011	.0015	.0012	.0284	-.0002	
#2	-.0123	4.983	-.0020	-.0178	.0015	.0058	.0275	.0009	
#3	-.0082	5.039	.0015	-.0084	.0029	.0015	.0291	.0003	

Raw Data MA59103 page 33 of 267

Sample Name: JE16540-5 Acquired: 8/7/2025 15:49:21 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5590.3	85049.	20545.	3179.3
Stddev	39.7	362.	38.	25.1
%RSD	.71035	.42527	.18504	.79033

#1	5630.0	84853.	20575.	3203.5
#2	5590.3	84827.	20557.	3181.0
#3	5550.5	85466.	20502.	3153.3

Raw Data MA59103 page 34 of 267

Sample Name: JE16541-1 Acquired: 8/7/2025 15:54:19 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.3243	.0024	2.270	.0898	-0.0004	.0107	225.5	-0.0028
Stddev	.0018	.0434	.0047	.067	.0022	.0003	.0027	4.4	.0007
%RSD	157.1	13.38	195.0	2.951	2.447	77.94	25.29	1.961	23.78
#1	.0021	.3398	.0027	2.205	.0878	-.0002	.0136	221.8	-.0028
#2	-.0009	.3578	.0069	2.266	.0893	-.0003	.0104	224.4	-.0035
#3	.0023	.2753	-.0024	2.339	.0921	-.0007	.0082	230.4	-.0022
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0278	.0003	.0025	.0053	.0562	220.1	.0875	576.1	.0017
Stddev	.0123	.0005	.0008	.0015	.0011	5.5	.0037	10.2	.0003
%RSD	44.19	200.8	31.33	27.51	2.018	2.493	4.240	1.764	18.16
#1	-.0140	.0005	.0032	.0047	.0574	214.8	.0839	567.8	.0020
#2	-.0375	.0007	.0016	.0070	.0558	220.0	.0913	573.0	.0014
#3	-.0320	-.0003	.0027	.0043	.0552	225.7	.0872	587.4	.0017
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0062	F 4871.	.0016	.0082	-0.0028	464.8	-0.0056	-0.0107	2.347
Stddev	.0013	25.	.0015	.0070	.0044	13.5	.0076	.0057	.061
%RSD	20.27	.5139	91.06	85.42	155.3	2.909	135.6	52.78	2.622
#1	.0061	4844.	.0022	.0142	.0001	452.1	.0028	-.0152	2.287
#2	.0076	4877.	.0027	.0099	-.0006	463.4	-.0075	-.0044	2.344
#3	.0050	4893.	-.0001	.0005	-.0078	479.0	-.0122	-.0126	2.410
Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.0080	3.800	-0.0011	-0.0108	.0042	.0024	.0050	.0006	
Stddev	.0007	.080	.0014	.0052	.0007	.0062	.0010	.0006	
%RSD	8.973	2.110	133.1	48.57	16.27	252.8	19.90	89.22	
#1	-.0072	3.722	-.0018	-.0115	.0036	.0050	.0039	.0004	
#2	-.0085	3.796	-.0020	-.0052	.0040	-.0046	.0057	.0013	
#3	-.0083	3.882	.0006	-.0156	.0049	.0070	.0055	.0002	

Raw Data MA59103 page 35 of 267

Sample Name: JE16541-1 Acquired: 8/7/2025 15:54:19 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5573.5	84623.	20818.	3164.4
Stddev	8.3	143.	113.	8.5
%RSD	.14871	.16884	.54511	.26784

#1	5583.0	84729.	20748.	3174.1
#2	5569.1	84461.	20949.	3160.1
#3	5568.3	84680.	20758.	3158.9

Raw Data MA59103 page 36 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-2 Acquired: 8/7/2025 15:59:16 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0018	2399	.0030	2.250	.0920	-0.0005	-0.0074	231.7	-0.0030
Stddev	.0017	.0125	.0028	.060	.0012	.0001	.0131	3.0	.0011
%RSD	94.33	5.191	92.82	2.661	1.271	14.92	176.2	1.290	38.08

#1	-0.0023	2543	.0056	2.195	.0911	-0.0005	-0.0054	229.6	-0.0023
#2	.0001	2332	.0000	2.242	.0917	-0.0004	.0045	230.4	-0.0024
#3	-0.0031	2323	.0034	2.314	.0933	-0.0006	-0.0215	235.1	-0.0043

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0043	-0.0014	.0012	-0.0026	.0509	230.0	.0896	589.0	.0005
Stddev	.0090	.0008	.0007	.0028	.0083	3.6	.0068	7.7	.0002
%RSD	210.1	60.30	62.48	108.7	16.25	1.571	7.594	1.300	29.66

#1	-0.0005	-0.0008	.0005	.0004	.0479	227.0	.0819	584.8	.0007
#2	.0022	-0.0024	.0019	-0.0029	.0602	229.1	.0921	584.3	.0006
#3	-0.0145	-0.0010	.0011	-0.0053	.0445	234.0	.0949	597.8	.0004

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0069	F 5006.	.0030	.0161	-0.0089	466.0	-0.0067	-0.0090	2.193
Stddev	.0014	94.	.0022	.0042	.0034	11.4	.0051	.0085	.057
%RSD	19.69	1.879	72.24	26.07	38.65	2.436	75.55	94.19	2.596

#1	.0080	5110.	.0007	.0207	-0.0056	455.4	-0.0042	-0.0126	2.142
#2	.0074	4926.	.0032	.0126	-0.0087	464.5	-0.0125	.0007	2.183
#3	.0054	4983.	.0050	.0149	-0.0124	478.0	-0.0033	-0.0152	2.254

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.0084	3.969	.0022	-0.0006	.0028	.0025	.0196	.0012	
Stddev	.0017	.054	.0012	.0033	.0013	.0046	.0044	.0006	
%RSD	20.44	1.358	55.49	559.6	44.34	180.8	22.26	50.96	

#1	-0.0098	3.918	.0035	.0025	.0030	.0051	.0151	.0020	
#2	-0.0065	3.964	.0022	-0.0002	.0040	-0.0027	.0201	.0008	
#3	-0.0091	4.026	.0010	-0.0040	.0015	.0052	.0238	.0010	

Raw Data MA59103 page 37 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-3 Acquired: 8/7/2025 16:04:13 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0008	1.129	.0027	2.262	.0921	-0.0007	-0.0030	238.5	-0.0034
Stddev	.0013	.027	.0021	.044	.0012	.0001	.0062	2.6	.0005
%RSD	158.1	2.398	78.33	1.961	1.257	12.74	207.8	1.092	14.44

#1	-0.0014	1.115	.0051	2.224	.0908	-0.0007	-0.0036	236.2	-0.0030
#2	-0.0017	1.161	.0012	2.253	.0923	-0.0006	-0.0087	237.9	-0.0032
#3	.0007	1.113	.0017	2.311	.0931	-0.0008	-0.0038	241.3	-0.0040

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0308	.0002	.0008	-0.0055	.2078	237.8	.0924	601.6	.0273
Stddev	.0134	.0011	.0005	.0012	.0067	3.4	.0021	7.2	.0001
%RSD	43.62	740.1	57.25	21.50	3.219	1.427	2.304	1.204	.4519

#1	-0.0189	.0014	.0004	-0.0046	.2144	234.3	.0908	595.8	.0272
#2	-0.0281	-0.0005	.0009	-0.0051	.2010	237.9	.0948	599.3	.0273
#3	-0.0454	-0.0005	.0013	-0.0068	.2078	241.1	.0915	609.7	.0274

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065	F 5072.	.0035	.0401	-0.0013	478.2	-0.0044	-0.0125	1.922
Stddev	.0009	151.	.0003	.0052	.0069	9.6	.0050	.0071	.035
%RSD	13.73	2.969	9.348	13.01	509.3	2.011	115.5	56.79	1.849

#1	.0058	5089.	.0039	.0461	-0.0087	469.4	-0.0079	-0.0207	1.892
#2	.0075	4913.	.0034	.0375	.0048	476.8	.0014	-0.0090	1.912
#3	.0063	5213.	.0033	.0367	-0.0001	488.5	-0.0066	-0.0078	1.961

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.0081	4.082	.0040	-0.0134	.0052	.0028	.0116	.0016	
Stddev	.0029	.046	.0016	.0066	.0015	.0050	.0003	.0012	
%RSD	35.76	1.132	39.04	49.48	29.02	179.4	2.286	73.59	

#1	-0.0053	4.031	.0053	-0.0210	.0069	-0.0009	.0117	.0029	
#2	-0.0110	4.093	.0023	-0.0103	.0044	.0008	.0118	.0006	
#3	-0.0079	4.121	.0043	-0.0089	.0042	.0085	.0113	.0013	

Raw Data MA59103 page 39 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-2 Acquired: 8/7/2025 15:59:16 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5598.2	84652.	21092.	3160.9
Stddev	14.8	436.	143.	10.0
%RSD	.26515	.51477	.67698	.31638

#1	5606.1	84278.	20992.	3167.3
#2	5607.4	84547.	21256.	3166.1
#3	5581.1	85130.	21029.	3149.4

Raw Data MA59103 page 38 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-3 Acquired: 8/7/2025 16:04:13 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5587.3	84611.	20893.	3149.3
Stddev	9.2	135.	233.	3.5
%RSD	.16448	.15941	1.1169	.11174

#1	5577.2	84733.	20699.	3145.3
#2	5589.5	84466.	21152.	3151.4
#3	5595.2	84633.	20826.	3151.3

Raw Data MA59103 page 40 of 267

Sample Name: JE16541-4 Acquired: 8/7/2025 16:09:13 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.4781	-.0010	2.231	.0928	-.0008	-.0106	235.9	-.0027
Stddev	.0011	.0382	.0031	.042	.0008	.0000	.0080	1.5	.0006
%RSD	1238.	7.986	321.5	1.894	.8409	6.197	74.94	.6152	22.65

#1	-.0012	.4865	-.0037	2.185	.0919	-.0008	-.0190	234.2	-.0021
#2	.0007	.5115	.0024	2.239	.0933	-.0007	-.0097	236.6	-.0027
#3	.0008	.4365	-.0016	2.268	.0932	-.0008	-.0032	236.9	-.0034

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0059	-.0015	.0022	.0017	.3918	236.9	.0909	599.6	.0007
Stddev	.0052	.0016	.0007	.0017	.0018	2.1	.0005	3.9	.0000
%RSD	88.12	107.7	31.52	100.4	.4658	.8734	.5453	.6584	6.206

#1	-.0001	-.0022	.0015	-.0003	.3937	234.7	.0903	595.1	.0006
#2	-.0074	-.0026	.0020	.0025	.3901	237.2	.0911	602.0	.0007
#3	-.0101	.0003	.0029	.0030	.3916	238.8	.0912	601.8	.0007

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059	F 5098.	.0037	.0110	-.0028	465.6	-.0041	-.0038	2.112
Stddev	.0002	93.	.0010	.0038	.0038	9.0	.0011	.0056	.042
%RSD	3.752	1.827	26.62	34.96	135.0	1.922	25.90	147.7	1.971

#1	.0060	5035.	.0029	.0115	.0016	456.4	-.0048	.0002	2.067
#2	.0057	5053.	.0048	.0146	-.0046	466.2	-.0046	-.0102	2.118
#3	.0060	5205.	.0034	.0069	-.0054	474.3	-.0029	-.0014	2.150

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-.0096	4.058	-.0025	-.0091	.0038	.0006	.0066	.0012	
Stddev	.0030	.026	.0013	.0032	.0012	.0022	.0008	.0001	
%RSD	31.08	.6528	52.50	35.47	32.13	361.2	11.50	8.283	

#1	-.0068	4.031	-.0010	-.0128	.0048	-.0019	.0068	.0013	
#2	-.0092	4.061	-.0034	-.0067	.0042	.0015	.0073	.0011	
#3	-.0128	4.083	-.0030	-.0079	.0024	.0022	.0058	.0014	

Raw Data MA59103 page 41 of 267

Sample Name: JE16541-5 Acquired: 8/7/2025 16:14:11 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.4176	.0012	2.175	.0867	-.0007	-.0057	226.8	-.0025
Stddev	.0020	.0235	.0034	.048	.0011	.0002	.0050	4.1	.0009
%RSD	838.7	5.629	270.9	2.222	1.229	33.27	88.33	1.810	37.28

#1	.0010	.4445	-.0025	2.124	.0857	-.0006	-.0019	223.3	-.0017
#2	.0018	.4011	.0021	2.182	.0866	-.0006	-.0038	225.7	-.0035
#3	-.0021	.4071	.0041	2.220	.0878	-.0010	-.0114	231.3	-.0024

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0336	.0002	.0025	.0362	.0440	225.0	.0897	576.5	.0010
Stddev	.0233	.0005	.0017	.0022	.0095	3.7	.0021	11.2	.0001
%RSD	69.50	223.1	69.56	5.947	21.66	1.650	2.368	1.941	9.914

#1	-.0079	.0004	.0005	.0338	.0435	221.5	.0885	567.6	.0011
#2	-.0534	.0006	.0031	.0373	.0347	224.7	.0921	572.9	.0009
#3	-.0394	-.0003	.0038	.0377	.0537	228.9	.0884	589.1	.0009

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0062	F 4929.	.0012	.0225	-.0089	453.4	-.0066	-.0071	1.878
Stddev	.0005	97.	.0019	.0051	.0041	9.3	.0098	.0095	.034
%RSD	7.885	1.972	160.1	22.57	46.36	2.048	148.3	133.6	1.781

#1	.0063	4902.	.0003	.0259	-.0042	443.5	.0011	-.0014	1.842
#2	.0067	4849.	-.0001	.0167	-.0107	454.9	-.0033	-.0019	1.884
#3	.0057	5037.	.0034	.0250	-.0118	461.9	-.0176	-.0180	1.908

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-.0092	3.853	-.0036	-.0140	.0016	.0020	.0057	.0006	
Stddev	.0066	.051	.0016	.0153	.0021	.0053	.0010	.0009	
%RSD	71.12	1.320	45.33	109.1	127.9	269.5	18.05	148.5	

#1	-.0063	3.799	-.0024	-.0239	.0024	-.0021	.0050	-.0004	
#2	-.0047	3.859	-.0055	-.0217	-.0007	.0000	.0069	.0010	
#3	-.0168	3.900	-.0030	.0036	.0032	.0080	.0051	.0013	

Raw Data MA59103 page 43 of 267

Sample Name: JE16541-4 Acquired: 8/7/2025 16:09:13 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5589.6	84506.	20790.	3149.1
Stddev	15.2	310.	62.	9.1
%RSD	.27175	.36715	.29729	.29032

#1	5604.6	84864.	20788.	3158.0
#2	5574.2	84335.	20729.	3139.8
#3	5589.9	84319.	20852.	3149.6

Raw Data MA59103 page 42 of 267

Sample Name: JE16541-5 Acquired: 8/7/2025 16:14:11 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5551.9	83725.	20695.	3146.4
Stddev	8.7	138.	272.	2.1
%RSD	.15725	.16449	1.3161	.06680

#1	5544.8	83598.	20697.	3144.2
#2	5561.7	83871.	20967.	3148.4
#3	5549.2	83707.	20422.	3146.5

Raw Data MA59103 page 44 of 267

Sample Name: CCV Acquired: 8/7/2025 16:19:09 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2449	40.43	1.954	1.942	2.044	2.015	1.899	40.76	1.993
Stddev	.0004	.03	.003	.004	.002	.004	.003	.11	.001
%RSD	.1636	.0845	.1546	.2305	.1153	.2018	.1782	.2710	.0690
#1	2452	40.42	1.951	1.942	2.043	2.017	1.900	40.74	1.992
#2	2450	40.40	1.957	1.946	2.042	2.010	1.901	40.66	1.994
#3	2444	40.47	1.955	1.937	2.047	2.017	1.895	40.88	1.995

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.006	2.033	2.030	1.884	40.73	42.01	2.048	40.47	2.067
Stddev	.002	.003	.008	.003	.08	.01	.005	.17	.006
%RSD	.1107	.1301	.3820	.1752	.2020	.0239	.2243	.4153	.2761
#1	2.008	2.034	2.038	1.881	40.77	42.01	2.044	40.44	2.072
#2	2.007	2.030	2.029	1.884	40.63	42.00	2.048	40.33	2.067
#3	2.004	2.035	2.023	1.888	40.77	42.02	2.053	40.66	2.061

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.965	42.22	2.048	1.969	2.065	2.028	1.938	1.946	4.854
Stddev	.001	.05	.003	.002	.004	.007	.004	.008	.009
%RSD	.0344	.1156	.1323	.1102	.1979	.3376	.2274	.3904	.1963
#1	1.966	42.17	2.047	1.971	2.063	2.020	1.936	1.946	4.858
#2	1.965	42.24	2.046	1.969	2.063	2.033	1.942	1.954	4.861
#3	1.964	42.26	2.051	1.967	2.070	2.031	1.934	1.939	4.843

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

Raw Data MA59103 page 45 of 267

Sample Name: CCV Acquired: 8/7/2025 16:19:09 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.980	2.039	1.999	2.010	2.011	1.988	2.034	2.019
Stddev	.008	.029	.004	.007	.005	.004	.005	.002
%RSD	.3815	1.444	.2075	.3715	.2488	.2223	.2632	.1093
#1	1.976	2.020	2.002	2.002	2.014	1.984	2.031	2.021
#2	1.975	2.073	2.000	2.010	2.013	1.993	2.031	2.019
#3	1.989	2.025	1.994	2.017	2.005	1.988	2.040	2.016

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5460.0	78133.	20631.	3047.1
Stddev	24.7	113.	96.	14.1
%RSD	.45205	.14440	.46632	.46251
#1	5485.3	78014.	20741.	3062.7
#2	5458.6	78146.	20587.	3043.3
#3	5436.0	78239.	20564.	3035.3

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5460.0	78133.	20631.	3047.1
Stddev	24.7	113.	96.	14.1
%RSD	.45205	.14440	.46632	.46251
#1	5485.3	78014.	20741.	3062.7
#2	5458.6	78146.	20587.	3043.3
#3	5436.0	78239.	20564.	3035.3

Raw Data MA59103 page 46 of 267

Sample Name: CCB Acquired: 8/7/2025 16:23:51 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0006	.0073	-0.004	.0059	.0006	.0005	.0014	.0075	.0001
Stddev	.0000	.0079	.0008	.0003	.0001	.0001	.0003	.0034	.0001
%RSD	6.942	108.4	211.4	4.974	18.13	23.62	22.48	46.21	59.05
#1	-0.0006	.0165	.0005	.0062	.0007	.0005	.0017	.0100	.0001
#2	-0.0006	.0031	-0.0010	.0057	.0006	.0005	.0015	.0088	.0001
#3	-0.0007	.0024	-0.0006	.0058	.0005	.0003	.0011	.0035	.0002

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	.0004	.0003	-0.0014	.0005	.1044	.0002	.0156	.0004
Stddev	.0009	.0004	.0004	.0004	.0033	.0399	.0001	.0127	.0000
%RSD	64.75	84.19	111.0	32.36	35.15	38.19	71.32	81.53	5.481
#1	.0023	.0001	.0007	-0.0018	.0116	.1172	.0003	.0299	.0003
#2	.0005	.0008	.0001	-0.0012	.0111	.0597	.0001	.0112	.0004
#3	.0012	.0004	.0001	-0.0010	.0056	.1363	.0002	.0057	.0004

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.5723	.0007	.0021	.0010	.0205	.0005	.0001	.0035
Stddev	.0005	.0366	.0003	.0003	.0020	.0003	.0012	.0016	.0010
%RSD	39.32	6.396	53.10	16.14	199.0	1.280	243.4	2320.	29.29
#1	.0016	.6122	.0003	.0025	-0.0006	.0206	.0018	.0019	.0043
#2	.0015	.5643	.0009	.0019	.0004	.0206	-0.0001	-0.0005	.0037
#3	.0007	.5403	.0008	.0019	.0032	.0202	-0.0003	-0.0012	.0024

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

Raw Data MA59103 page 47 of 267

Sample Name: CCB Acquired: 8/7/2025 16:23:51 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0006	.0004	-0.0010	.0003	.0008	.0002	.0003
Stddev	.0006	.0002	.0003	.0025	.0001	.0008	.0001	.0001
%RSD	375.4	31.83	69.97	245.4	23.23	92.23	35.65	42.26
#1	-0.0005	.0008	.0008	-0.0016	.0003	.0010	.0003	.0004
#2	.0005	.0005	.0002	.0017	.0004	.0015	.0002	.0002
#3	.0005	.0004	.0003	-0.0032	.0002	.0000	.0001	.0002

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5266.4	78475.	21110.	3083.2
Stddev	2.8	140.	150.	1.9
%RSD	.05276	.17807	.71056	.06310
#1	5264.4	78607.	21017.	3081.4
#2	5269.6	78488.	21031.	3085.3
#3	5265.2	78329.	21283.	3082.8

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

Raw Data MA59103 page 48 of 267

Sample Name: MP56418-S1 Acquired: 8/7/2025 16:28:45 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0484	22.91	2.147	4.694	1.876	1.769	-.0773	238.5
Stddev	.0088	.22	.141	.189	.061	.043	.0746	7.2
%RSD	18.11	.9809	6.555	4.015	3.245	2.436	96.50	3.028
#1	.0585	22.67	2.006	4.490	1.819	1.731	.0059	230.9
#2	.0444	22.96	2.287	4.729	1.868	1.760	-.1383	239.5
#3	.0423	23.11	2.149	4.862	1.940	1.816	-.0997	245.2
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.242	-.3103	2.317	1.952	1.720	23.17	205.7	.0605
Stddev	.096	.1496	.078	.040	.073	.56	7.4	.0402
%RSD	4.301	48.21	3.361	2.062	4.275	2.408	3.619	66.40
#1	2.141	-.3622	2.230	1.910	1.640	22.60	198.2	.1028
#2	2.251	-.4270	2.339	1.955	1.737	23.21	205.9	.0556
#3	2.333	-.1417	2.381	1.990	1.784	23.71	213.1	.0230
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	566.8	2.013	2.156	4754.	2.362	.0807	2.356	508.1
Stddev	15.6	.067	.088	185.	.096	.0588	.123	25.2
%RSD	2.748	3.313	4.064	3.899	4.042	72.91	5.217	4.951
#1	549.3	1.948	2.058	4565.	2.255	.0128	2.235	480.6
#2	572.3	2.009	2.184	4762.	2.394	.1165	2.353	513.7
#3	579.0	2.081	2.226	4935.	2.437	.1128	2.481	530.0
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.097	2.150	2.088	2.122	5.248	1.890	W 2.260	1.909
Stddev	.045	.180	.117	.111	.171	.077	.196	.050
%RSD	2.159	8.369	5.628	5.227	3.255	4.088	8.679	2.621
#1	2.046	1.946	1.953	2.008	5.075	1.802	2.259	1.864
#2	2.116	2.217	2.141	2.128	5.251	1.924	2.065	1.901
#3	2.131	2.287	2.169	2.230	5.417	1.945	2.457	1.963

Raw Data MA59103 page 49 of 267

Sample Name: MP56418-S1 Acquired: 8/7/2025 16:28:45 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.639	2.308	1.918
Stddev	.110	.107	.056
%RSD	6.711	4.628	2.894
#1	1.536	2.187	1.863
#2	1.626	2.347	1.917
#3	1.755	2.390	1.974
Int. Std.	In2306	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	5392.1	79179.	20960.
Stddev	9.0	191.	178.
%RSD	.16621	.24165	.85035
#1	5385.2	79302.	21096.
#2	5402.3	78958.	20759.
#3	5388.9	79276.	21027.

Int. Std.	Y_2243
Units	Cts/S
Avg	3111.0
Stddev	5.9
%RSD	.18862
#1	3108.5
#2	3117.7
#3	3106.7

Raw Data MA59103 page 50 of 267

Sample Name: MP56418-S2 Acquired: 8/7/2025 16:33:32 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0720	23.93	2.188	4.765	1.943	1.835	-.0403	252.4
Stddev	.0238	.40	.062	.135	.040	.028	.0788	5.0
%RSD	33.10	1.675	2.817	2.822	2.052	1.524	195.4	1.964
#1	.0479	23.47	2.122	4.616	1.903	1.805	-.0480	247.3
#2	.0726	24.19	2.245	4.801	1.944	1.839	.0420	252.6
#3	.0956	24.14	2.196	4.877	1.982	1.860	-.1150	257.2
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.258	-.1829	2.320	1.992	1.780	24.48	219.8	.0397
Stddev	.050	.0302	.057	.063	.055	.52	6.4	.0307
%RSD	2.203	16.52	2.437	3.165	3.102	2.128	2.929	77.31
#1	2.202	-.1851	2.262	1.933	1.740	23.99	212.9	.0146
#2	2.273	-.1516	2.324	1.987	1.757	24.42	221.1	.0739
#3	2.298	-.2119	2.375	2.058	1.843	25.02	225.5	.0306
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	599.5	2.036	2.217	5074.	2.363	.0628	2.407	526.0
Stddev	9.7	.067	.052	140.	.054	.0138	.046	15.3
%RSD	1.612	3.307	2.334	2.754	2.277	21.91	1.915	2.904
#1	589.3	1.974	2.160	4931.	2.308	.0752	2.354	509.0
#2	600.9	2.027	2.230	5081.	2.366	.0653	2.430	530.2
#3	608.4	2.108	2.261	5210.	2.416	.0480	2.437	538.7
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.163	2.115	2.190	2.197	5.561	1.948	W 2.359	1.967
Stddev	.055	.055	.074	.074	.103	.073	.157	.068
%RSD	2.548	2.591	3.401	3.370	1.862	3.738	6.664	3.433
#1	2.115	2.108	2.115	2.138	5.457	1.878	2.294	1.909
#2	2.151	2.173	2.191	2.173	5.562	1.944	2.538	1.952
#3	2.224	2.064	2.264	2.280	5.664	2.023	2.245	2.041

Raw Data MA59103 page 51 of 267

Sample Name: MP56418-S2 Acquired: 8/7/2025 16:33:32 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.786	2.315	2.010
Stddev	.094	.033	.049
%RSD	5.287	1.404	2.411
#1	1.684	2.277	1.963
#2	1.803	2.335	2.008
#3	1.870	2.332	2.059
Int. Std.	In2306	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	5473.8	81148.	21243.
Stddev	17.0	156.	21.
%RSD	.31035	.19271	.09762
#1	5466.2	81254.	21238.
#2	5462.0	81223.	21265.
#3	5493.3	80969.	21225.

Int. Std.	Y_2243
Units	Cts/S
Avg	3154.5
Stddev	5.4
%RSD	.17180
#1	3154.4
#2	3149.0
#3	3159.9

Raw Data MA59103 page 52 of 267

Sample Name: JE16544-1 Acquired: 8/7/2025 16:38:19 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.061	.1668	.0188	2.581	.0865	-0.0016	.0524	222.7	-0.041
Stddev	.0306	.1047	.0209	.040	.0045	.0024	.0265	4.8	.0087
%RSD	499.8	62.79	111.4	1.536	5.199	147.0	50.54	2.147	213.5

#1	-.0408	.1748	.0191	2.549	.0814	-.0003	.0468	217.8	.0057
#2	.0050	.2674	-.0023	2.568	.0882	-.0001	.0813	222.9	-.0070
#3	.0173	.0583	.0396	2.626	.0899	-.0043	.0292	227.3	-.0109

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-3.187	-0.0055	-0.0141	.1123	.0171	197.0	.0101	557.3	-0.0000
Stddev	.1772	.0113	.0139	.0418	.0287	5.2	.0275	13.2	.0007
%RSD	55.59	206.3	98.23	37.19	168.3	2.659	273.8	2.361	2216.

#1	-.2381	.0065	-.0243	.1320	.0393	191.4	-.0197	543.6	-.0008
#2	-.5219	-.0070	.0017	.1407	.0273	197.9	.0347	558.3	.0003
#3	-.1963	-.0159	-.0198	.0643	-.0154	201.8	.0152	569.9	.0005

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0080	4996.	.0222	.0834	.0318	514.3	-0.0610	-0.0764	2.149
Stddev	.0078	138.	.0083	.0300	.0330	11.3	.0114	.0677	.054
%RSD	97.76	2.758	37.31	35.99	103.9	2.205	18.73	88.58	2.522

#1	.0170	4857.	.0128	.0510	.0668	501.8	-.0565	-.0051	2.098
#2	.0043	4999.	.0255	.0888	.0011	517.1	-.0526	-.0845	2.142
#3	.0028	5133.	.0282	.1102	.0275	524.0	-.0741	-.1397	2.206

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.0068	3.649	-0.0126	-0.0346	.0287	.1108	.0293	.0190	
Stddev	.0364	.064	.0038	.1186	.0080	.0120	.0091	.0038	
%RSD	536.3	1.763	29.95	342.4	27.97	10.85	31.07	19.94	

#1	-.0344	3.583	-.0154	.0935	.0274	.0970	.0197	.0147	
#2	-.0205	3.651	-.0141	-.1405	.0373	.1162	.0302	.0219	
#3	.0345	3.712	-.0083	-.0570	.0214	.1192	.0379	.0204	

Raw Data MA59103 page 53 of 267

Sample Name: STDA Acquired: 8/7/2025 7:58:22 Type: Cal
Method: SGS 3 NO Valve(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0004	.0003	.0003	.0016	.0000	-0.0009	.0062	.0006
Stddev	.0001	.0001	.0001	.0001	.0001	.0000	.0001	.0001	.0001
%RSD	92.48	15.27	43.46	43.87	9.104	87.36	9.598	2.217	16.06

#1	.0002	.0005	.0004	.0003	.0016	.0000	-.0009	.0062	.0005
#2	.0001	.0004	.0002	.0002	.0017	.0000	-.0009	.0061	.0005
#3	.0000	.0004	.0005	.0004	.0014	.0000	-.0008	.0063	.0007

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0002	-0.0003	-0.0000	.0161	.0001	.0007	.0009	-0.0001	-0.0000
Stddev	.0001	.0001	.0001	.0001	.0000	.0001	.0002	.0001	.0000
%RSD	34.97	33.20	278.7	.8233	74.15	8.528	19.65	49.54	68.50

#1	-.0003	-.0002	.0000	.0162	.0001	.0006	.0010	-.0002	-.0000
#2	-.0003	-.0002	-.0001	.0159	.0001	.0007	.0007	-.0000	-.0000
#3	-.0001	-.0003	.0000	.0161	.0000	.0006	.0009	-.0001	-.0000

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0005	.0010	-0.0002	-0.0032	.0002	.0007	.0005	.0007	.0043
Stddev	.0001	.0004	.0001	.0001	.0001	.0002	.0004	.0001	.0001
%RSD	12.79	36.05	36.89	2.795	62.93	26.96	72.75	15.61	2.945

#1	.0004	.0010	-.0002	-.0033	.0003	.0008	.0001	.0006	.0045
#2	.0005	.0014	-.0003	-.0031	.0001	.0008	.0006	.0008	.0042
#3	.0006	.0007	-.0001	-.0032	.0003	.0005	.0009	.0008	.0043

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.0003	.0004	-0.0001	-0.0001	-0.0000	.0020	.0004	-0.0010	
Stddev	.0001	.0001	.0001	.0000	.0000	.0004	.0000	.0001	
%RSD	47.65	20.04	114.3	33.02	37.55	20.33	10.89	7.837	

#1	.0001	.0004	-.0001	-.0001	-.0000	.0024	.0004	-.0009	
#2	.0004	.0003	.0000	-.0001	-.0001	.0021	.0004	-.0010	
#3	.0003	.0004	-.0001	-.0001	-.0000	.0016	.0005	-.0010	

Raw Data MA59103 page 55 of 267

Sample Name: JE16544-1 Acquired: 8/7/2025 16:38:19 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5519.3	81724.	21706.	3174.4
Stddev	14.9	131.	136.	6.7
%RSD	.26969	.16016	.62711	.20966

#1	5504.2	81649.	21836.	3168.6
#2	5533.9	81647.	21564.	3181.7
#3	5519.8	81875.	21718.	3173.0

Raw Data MA59103 page 54 of 267

Sample Name: STDA Acquired: 8/7/2025 7:58:22 Type: Cal
Method: SGS 3 NO Valve(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5371.3	80845.	24161.	3093.3
Stddev	5.4	77.	188.	5.4
%RSD	.09989	.09557	.77869	.17383

#1	5367.9	80756.	24299.	3087.7
#2	5368.6	80886.	24236.	3093.7
#3	5377.5	80894.	23946.	3098.4

Raw Data MA59103 page 56 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: STDB Acquired: 8/7/2025 8:03:21 Type: Cal
Method: SGS 3 NO Valve(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0852	3.756	5.894	1.462	12.86	10.35	.9686	8.096	5.283
Stddev	.0001	.013	.0013	.001	.25	.15	.0013	.057	.009
%RSD	.1438	.3520	.2127	.0552	1.952	1.456	.1332	.7080	.1801

#1	.0853	3.760	5.908	1.463	12.90	10.33	.9700	8.108	5.291
#2	.0852	3.767	5.890	1.462	13.10	10.51	.9684	8.146	5.285
#3	.0850	3.741	5.884	1.462	12.60	10.21	.9674	8.033	5.272

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1695	2.198	.6121	.8894	2.990	1.387	2.196	.7499	3.665
Stddev	.0002	.004	.0001	.0012	.014	.004	.008	.0065	.020
%RSD	.1067	.1642	.0222	.1322	.4640	.3106	.3698	.8727	.5308

#1	.1697	2.202	.6122	.8904	2.986	1.386	2.203	.7514	3.684
#2	.1693	2.195	.6121	.8897	3.005	1.392	2.198	.7555	3.665
#3	.1695	2.196	.6119	.8881	2.977	1.383	2.187	.7427	3.645

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.963	5.684	1.875	.5474	.8154	.3282	.8206	.4706	2.811
Stddev	.007	.019	.002	.0010	.0010	.0009	.0004	.0005	.004
%RSD	.2216	.3345	.1214	.1885	.1202	.2798	.0456	.1069	.1602

#1	2.969	5.688	1.877	.5477	.8164	.3290	.8207	.4711	2.815
#2	2.963	5.701	1.873	.5483	.8145	.3285	.8209	.4701	2.812
#3	2.956	5.664	1.874	.5463	.8154	.3272	.8202	.4705	2.806

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.6156	13.86	.6183	.1649	.9901	1.548	5.470	2.001	
Stddev	.0012	.15	.0003	.0003	.0008	.003	.015	.003	
%RSD	.1955	1.049	.0517	.1687	.0803	.1972	.2819	.1300	

#1	.6152	13.78	.6187	.1652	.9910	1.546	5.481	2.004	
#2	.6169	14.03	.6183	.1646	.9898	1.551	5.478	2.001	
#3	.6146	13.77	.6181	.1650	.9895	1.546	5.453	1.998	

Raw Data MA59103 page 57 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: STDB Acquired: 8/7/2025 8:03:21 Type: Cal
Method: SGS 3 NO Valve(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5654.3	81123.	23487.	3036.5
Stddev	5.6	270.	252.	3.6
%RSD	.09941	.33223	1.0733	.11990

#1	5649.2	80840.	23487.	3033.2
#2	5660.4	81152.	23235.	3035.8
#3	5653.4	81376.	23739.	3040.4

Raw Data MA59103 page 58 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: ICV Acquired: 8/7/2025 8:08:34 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2522	F 37.99	1.917	1.972	1.946	2.003	F 1.897	38.57	1.989
Stddev	.0007	.06	.001	.002	.004	.002	.002	.06	.003
%RSD	.2761	.1656	.0695	.0835	.2001	.0740	.0876	.1536	.1449

#1	.2527	37.92	1.918	1.973	1.942	2.002	1.897	38.55	1.990
#2	.2514	38.01	1.915	1.970	1.950	2.005	1.896	38.53	1.985
#3	.2524	38.04	1.917	1.972	1.947	2.004	1.899	38.64	1.990

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value		40.00					2.000		
Range		-5.000%					-5.000%		

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.985	1.999	1.958	F 1.870	38.70	F 37.44	2.011	38.05	2.003
Stddev	.006	.002	.001	.002	.06	.06	.006	.15	.003
%RSD	.2904	.1059	.0698	.1148	.1502	.1651	.3195	.3971	.1651

#1	1.978	2.002	1.956	1.872	38.64	37.39	2.004	38.02	1.999
#2	1.988	1.998	1.959	1.868	38.76	37.41	2.017	37.91	2.005
#3	1.988	1.998	1.958	1.872	38.71	37.51	2.012	38.21	2.005

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				2.000		40.00			
Range				-5.000%		-5.000%			

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.950	F 37.99	2.008	1.980	2.004	1.933	1.953	1.974	4.997
Stddev	.001	.08	.003	.003	.005	.006	.005	.001	.006
%RSD	.0364	.2132	.1535	.1616	.2757	.2957	.2371	.0536	.1256

#1	1.950	37.90	2.012	1.984	2.010	1.938	1.957	1.973	4.997
#2	1.949	38.01	2.007	1.978	1.999	1.927	1.948	1.974	4.991
#3	1.950	38.06	2.006	1.978	2.002	1.936	1.953	1.975	5.003

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		40.00							
Range		-5.000%							

Raw Data MA59103 page 59 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: ICV Acquired: 8/7/2025 8:08:34 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.959	1.974	1.939	1.967	1.947	1.953	1.995	1.993
Stddev	.006	.018	.002	.006	.002	.006	.003	.003
%RSD	.3034	.9095	.0949	.2953	.1089	.2934	.1704	.1658

#1	1.960	1.992	1.938	1.970	1.945	1.957	1.996	1.989
#2	1.953	1.972	1.941	1.961	1.949	1.946	1.992	1.995
#3	1.965	1.956	1.938	1.971	1.947	1.955	1.998	1.994

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5572.0	81471.	23772.	3079.0
Stddev	4.1	182.	157.	2.9
%RSD	.07270	.22283	.65871	.09289

#1	5569.5	81668.	23809.	3078.0
#2	5569.8	81434.	23907.	3082.2
#3	5576.7	81310.	23600.	3076.8

Raw Data MA59103 page 60 of 267

Sample Name: ICV Acquired: 8/7/2025 8:15:20 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2568	39.33	1.966	2.019	2.000	2.046	1.943	40.27	2.044
Stddev	.0005	.18	.004	.006	.010	.009	.004	.13	.004
%RSD	.1832	.4551	.2268	.2972	.4863	.4314	.2209	.3165	.1884
#1	.2563	39.14	1.962	2.013	1.991	2.036	1.938	40.13	2.039
#2	.2573	39.37	1.971	2.020	2.000	2.049	1.946	40.37	2.046
#3	.2569	39.49	1.966	2.025	2.010	2.053	1.945	40.31	2.046

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.027	2.053	2.002	1.922	40.28	38.92	2.083	39.94	2.073
Stddev	.008	.001	.005	.007	.19	.20	.010	.12	.003
%RSD	.3763	.0481	.2571	.3910	.4800	.5035	.4794	.3058	.1389
#1	2.021	2.053	2.007	1.915	40.06	38.72	2.073	39.83	2.072
#2	2.024	2.053	1.997	1.930	40.37	38.94	2.083	40.07	2.070
#3	2.035	2.055	2.003	1.920	40.41	39.11	2.093	39.93	2.076

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.992	39.47	2.067	2.026	2.057	1.990	2.008	2.038	4.957
Stddev	.005	.19	.002	.002	.005	.009	.006	.004	.013
%RSD	.2516	.4867	.1053	.1099	.2548	.4486	.3194	.2208	.2713
#1	1.986	39.27	2.067	2.024	2.057	1.980	2.000	2.033	4.942
#2	1.995	39.47	2.069	2.027	2.062	1.996	2.010	2.041	4.961
#3	1.995	39.65	2.065	2.028	2.051	1.994	2.013	2.040	4.968

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

Raw Data MA59103 page 61 of 267

Sample Name: ICV Acquired: 8/7/2025 8:15:20 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.007	2.017	1.972	2.023	1.999	2.001	2.045	2.053
Stddev	.002	.015	.000	.003	.003	.004	.002	.003
%RSD	.0959	.7270	.0017	.1274	.1393	.2263	.1141	.1626
#1	2.008	2.021	1.972	2.025	2.000	2.002	2.048	2.050
#2	2.005	2.029	1.972	2.023	1.996	1.996	2.043	2.053
#3	2.008	2.000	1.972	2.020	2.001	2.004	2.045	2.057

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5544.5	80452.	23392.	3060.0
Stddev	11.7	170.	52.	9.0
%RSD	.21024	.21167	.22391	.29574
#1	5557.0	80307.	23390.	3068.6
#2	5542.6	80640.	23340.	3060.7
#3	5533.9	80411.	23445.	3050.6

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5544.5	80452.	23392.	3060.0
Stddev	11.7	170.	52.	9.0
%RSD	.21024	.21167	.22391	.29574
#1	5557.0	80307.	23390.	3068.6
#2	5542.6	80640.	23340.	3060.7
#3	5533.9	80411.	23445.	3050.6

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

Raw Data MA59103 page 62 of 267

Sample Name: rinseconf Acquired: 8/7/2025 8:21:01 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.000	.0445	-0.002	.0048	.0019	.0020	.0003	.0405	.0007
Stddev	.0004	.0294	.0004	.0006	.0012	.0013	.0010	.0246	.0002
%RSD	1464.	66.13	272.5	13.00	61.98	63.92	298.7	60.71	33.72
#1	-0.005	.0780	-0.004	.0054	.0032	.0034	-0.002	.0674	.0008
#2	-0.002	.0328	-0.004	.0047	.0017	.0017	.0015	.0347	.0004
#3	.0002	.0228	.0003	.0041	.0009	.0009	-0.003	.0193	.0008

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0059	.0004	.0008	.0049	.0434	.0556	.0015	.0380	.0007
Stddev	.0025	.0002	.0003	.0009	.0282	.0446	.0008	.0339	.0001
%RSD	42.53	36.19	38.18	18.65	64.97	80.28	51.04	89.27	11.92
#1	-0.033	.0006	.0011	.0059	.0748	.0984	.0022	.0762	.0008
#2	-0.062	.0003	.0005	.0041	.0355	.0590	.0018	.0265	.0008
#3	-0.083	.0004	.0008	.0047	.0200	.0093	.0007	.0113	.0006

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	.0506	.0008	.0014	.0008	.0078	.0006	-0.0004	.0041
Stddev	.0001	.0222	.0002	.0008	.0008	.0013	.0014	.0015	.0007
%RSD	8.799	43.75	32.09	58.14	108.4	16.86	214.3	338.7	15.94
#1	.0016	.0751	.0008	.0013	.0013	.0078	-0.0008	-0.0019	.0038
#2	.0014	.0449	.0005	.0006	.0013	.0064	.0007	-0.0005	.0037
#3	.0014	.0319	.0010	.0022	-0.0002	.0091	.0019	.0011	.0048

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0019	.0007	-0.0018	.0006	-0.0006	.0008	.0007
Stddev	.0014	.0013	.0004	.0018	.0001	.0003	.0001	.0002
%RSD	148.6	67.22	52.38	103.6	14.87	50.21	15.73	33.43
#1	.0004	.0033	.0006	-0.0006	.0007	-0.0009	.0007	.0008
#2	-0.0001	.0017	.0011	-0.0008	.0007	-0.0004	.0008	.0004
#3	.0025	.0007	.0004	-0.0038	.0005	-0.0004	.0010	.0008

Raw Data MA59103 page 63 of 267

Sample Name: rinseconf Acquired: 8/7/2025 8:21:01 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5342.2	80081.	24059.	3085.5
Stddev	8.7	237.	86.	8.1
%RSD	.16320	.29574	.35883	.26126
#1	5349.8	80075.	24111.	3092.0
#2	5344.0	80320.	23959.	3088.1
#3	5332.6	79847.	24106.	3076.5

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5342.2	80081.	24059.	3085.5
Stddev	8.7	237.	86.	8.1
%RSD	.16320	.29574	.35883	.26126
#1	5349.8	80075.	24111.	3092.0
#2	5344.0	80320.	23959.	3088.1
#3	5332.6	79847.	24106.	3076.5

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5342.2	80081.	24059.	3085.5
Stddev	8.7	237.	86.	8.1
%RSD	.16320	.29574	.35883	.26126
#1	5349.8	80075.	24111.	3092.0
#2	5344.0	80320.	23959.	3088.1
#3	5332.6	79847.	24106.	3076.5

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5342.2	80081.	24059.	3085.5
Stddev	8.7	237.	86.	8.1
%RSD	.16320	.29574	.35883	.26126
#1	5349.8	80075.	24111.	3092.0
#2	5344.0	80320.	23959.	3088.1
#3	5332.6	79847.	24106.	3076.5

Raw Data MA59103 page 64 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: ICB Acquired: 8/7/2025 8:31:19 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.041	-0.007	.0031	-0.002	-0.000	.0005	-0.021	-0.002
Stddev	.0001	.0010	.0005	.0002	.0001	.0000	.0008	.0006	.0001
%RSD	85.33	23.70	76.34	6.670	41.81	42.06	171.4	30.10	35.33
#1	-0.0002	-0.031	-0.005	.0029	-0.002	-0.000	.0006	-0.020	-0.001
#2	-0.0000	-0.043	-0.012	.0033	-0.002	-0.000	.0013	-0.028	-0.001
#3	-0.0002	-0.050	-0.003	.0030	-0.003	-0.000	-0.004	-0.015	-0.002

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.024	-0.002	.0003	.0018	-0.041	.0116	-0.009	-0.076	-0.000
Stddev	.0041	.0002	.0003	.0005	.0032	.0072	.0004	.0041	.0001
%RSD	174.6	104.9	81.79	29.86	77.26	62.16	39.95	54.22	144.1
#1	-0.0013	-0.0001	.0001	.0017	-0.0010	.0085	-0.0012	-0.097	-0.000
#2	-0.0012	-0.0001	.0003	.0023	-0.0040	.0065	-0.0005	-0.029	-0.000
#3	-0.0069	-0.0004	.0006	.0012	-0.0073	.0198	-0.0011	-0.013	-0.001

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0048	-0.0001	-0.000	.0002	-0.0001	-0.0007	-0.012	.0036
Stddev	.0002	.0049	.0003	.0014	.0013	.0011	.0013	.0022	.0007
%RSD	266.3	102.2	218.3	10790.	535.9	1551.	200.7	180.7	20.09
#1	.0001	-0.0019	-0.0003	.0016	-0.0013	.0004	.0006	.0005	.0038
#2	-0.0002	-0.0104	.0002	-0.0008	.0008	-0.0013	-0.0021	-0.0036	.0028
#3	.0003	-0.0020	-0.0004	-0.0008	.0012	.0007	-0.0005	-0.0004	.0042

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

Raw Data MA59103 page 65 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: ICB Acquired: 8/7/2025 8:31:19 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	-0.0001	.0001	.0010	.0003	-0.0012	-0.0002	.0002
Stddev	.0010	.0000	.0002	.0019	.0003	.0008	.0002	.0001
%RSD	234.2	45.27	165.5	180.5	83.58	72.30	143.5	98.88
#1	.0007	-0.0001	.0000	.0014	.0001	-0.0013	.0001	.0003
#2	-0.0008	-0.0001	.0003	.0027	.0003	-0.0003	-0.0003	.0001
#3	-0.0012	-0.0000	-0.0000	-0.0010	.0006	-0.0019	-0.0003	.0000

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5402.6	81266.	24467.	3098.8
Stddev	17.6	354.	82.	9.5
%RSD	.32591	.43566	.33501	.30740
#1	5420.1	80860.	24390.	3106.4
#2	5403.0	81510.	24459.	3101.8
#3	5384.9	81427.	24553.	3088.1

Raw Data MA59103 page 66 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: ICCV Acquired: 8/7/2025 8:41:10 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2437	39.57	1.999	1.985	1.975	2.022	1.957	40.15	2.025
Stddev	.0008	.08	.007	.008	.003	.003	.009	.14	.008
%RSD	.3353	.2067	.3277	.3859	.1719	.1653	.4526	.3485	.3789
#1	.2432	39.48	1.995	1.976	1.971	2.019	1.947	40.08	2.020
#2	.2448	39.53	1.999	1.987	1.973	2.019	1.959	40.14	2.022
#3	.2437	39.66	1.993	1.984	1.979	2.026	1.953	40.34	2.021
#4	.2430	39.60	2.008	1.994	1.977	2.024	1.968	40.02	2.036

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.992	2.025	1.982	1.906	40.13	39.43	1.979	39.79	2.025
Stddev	.005	.007	.006	.007	.08	.07	.005	.20	.007
%RSD	.2581	.3240	.3107	.3792	.2109	.1675	.2455	.5141	.3478
#1	1.988	2.022	1.980	1.903	40.09	39.35	1.973	39.76	2.021
#2	1.993	2.023	1.984	1.909	40.07	39.39	1.977	39.76	2.028
#3	1.999	2.021	1.989	1.897	40.26	39.49	1.984	40.07	2.033
#4	1.990	2.035	1.974	1.914	40.10	39.47	1.981	39.58	2.018

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

Raw Data MA59103 page 67 of 267

Sample Name: ICCV Acquired: 8/7/2025 8:41:10 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.991	39.82	2.032	2.005	2.022	2.008	1.978	1.995	4.981
Stddev	.007	.07	.007	.004	.008	.008	.008	.010	.021
%RSD	.3710	.1662	.3629	.1804	.3778	.3796	.3993	.5030	.4317
#1	1.985	39.74	2.028	2.002	2.023	2.001	1.972	1.983	4.958
#2	1.988	39.79	2.029	2.001	2.017	2.004	1.981	2.000	4.983
#3	1.988	39.89	2.027	2.007	2.016	2.009	1.971	1.990	4.974
#4	2.002	39.85	2.043	2.008	2.033	2.018	1.988	2.006	5.010

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

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.986	2.018	1.975	2.001	1.979	1.987	2.019	1.997
Stddev	.010	.020	.003	.007	.004	.008	.009	.005
%RSD	.4861	.9847	.1293	.3347	.2227	.4089	.4291	.2711
#1	1.981	2.002	1.975	1.994	1.976	1.978	2.017	1.995
#2	1.980	2.011	1.979	2.006	1.981	1.986	2.018	2.001
#3	1.983	2.047	1.974	1.997	1.983	1.987	2.009	2.003
#4	2.001	2.011	1.973	2.008	1.974	1.998	2.030	1.991

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

Raw Data MA59103 page 68 of 267

Sample Name: ICCV Acquired: 8/7/2025 8:41:10 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5576.2	81222.	23703.	3064.6
Stddev	17.3	410.	123.	10.1
%RSD	.30962	.50445	.51806	.32861
#1	5580.3	81744.	23708.	3069.4
#2	5574.0	80963.	23694.	3061.2
#3	5596.1	80836.	23555.	3075.6
#4	5554.4	81345.	23855.	3052.4

Raw Data MA59103 page 69 of 267

Sample Name: CCB Acquired: 8/7/2025 8:46:08 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	-0.0074	-0.0007	.0031	.0001	.0000	.0018	-0.0030	-0.0000
Stddev	.0001	.0045	.0003	.0005	.0001	.0000	.0010	.0008	.0001
%RSD	58.68	61.27	48.55	16.04	93.49	76.42	53.20	25.92	924.9
#1	-0.001	-0.0126	-0.0009	.0034	.0000	.0000	.0012	-0.0026	.0001
#2	-0.003	-0.0047	-0.0003	.0035	.0002	.0000	.0029	-0.0025	-0.0000
#3	-0.002	-0.0049	-0.0008	.0026	.0001	.0000	.0013	-0.0039	-0.0001

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027	-0.0001	-0.0001	-0.0009	.0011	.0182	-0.0003	-0.0120	-0.0000
Stddev	.0026	.0002	.0003	.0005	.0020	.0210	.0002	.0022	.0000
%RSD	97.43	277.4	325.9	53.41	178.8	115.5	64.62	18.13	145.1
#1	.0041	.0001	.0001	.0003	.0019	.0298	-0.0004	-0.0145	-0.0000
#2	.0043	-0.0002	-0.0005	.0012	.0025	.0308	-0.0002	-0.0107	-0.0001
#3	-0.003	-0.0001	.0001	.0010	-0.0011	-0.0061	-0.0001	-0.0108	-0.0000

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	-0.0043	.0003	-0.0006	.0003	-0.0020	-0.0007	-0.0010	.0042
Stddev	.0004	.0029	.0002	.0009	.0006	.0008	.0015	.0005	.0003
%RSD	26.79	66.67	84.33	149.6	196.2	41.55	226.9	45.91	7.269
#1	.0017	-0.0034	.0002	-0.0002	-0.0003	-0.0011	.0010	-0.0005	.0045
#2	.0017	-0.0075	.0001	.0000	.0004	-0.0026	-0.0012	-0.0013	.0040
#3	.0010	-0.0020	.0005	-0.0016	.0009	-0.0024	-0.0019	-0.0012	.0040

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

Raw Data MA59103 page 70 of 267

Sample Name: CCB Acquired: 8/7/2025 8:46:08 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0000	.0004	-0.0015	-0.0001	-0.0014	-0.0003	.0002
Stddev	.0005	.0000	.0002	.0016	.0003	.0005	.0001	.0001
%RSD	780.5	105.5	51.38	101.5	618.9	36.95	28.78	69.48
#1	.0007	-0.0000	.0004	.0002	.0002	-0.0010	-0.0004	.0002
#2	-0.0001	-0.0000	.0007	-0.0021	.0000	-0.0019	-0.0002	.0003
#3	-0.0003	.0000	.0002	-0.0027	-0.0004	-0.0012	-0.0003	.0001

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5367.3	80897.	23970.	3104.2
Stddev	8.6	327.	199.	4.7
%RSD	.16016	.40402	.82824	.15031
#1	5376.6	80521.	23795.	3109.6
#2	5365.5	81058.	23931.	3101.6
#3	5359.7	81112.	24186.	3101.4

Raw Data MA59103 page 71 of 267

Sample Name: CRI Acquired: 8/7/2025 8:54:32 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047	.1949	.0074	.1022	.2005	.0020	.0181	5.090	.0030
Stddev	.0003	.0031	.0011	.0003	.0005	.0000	.0013	.007	.0002
%RSD	6.211	1.601	15.36	.3210	.2456	1.740	7.003	.1458	5.219
#1	.0050	.1983	.0087	.1019	.2011	.0020	.0168	5.085	.0030
#2	.0044	.1922	.0066	.1024	.2003	.0019	.0193	5.098	.0032
#3	.0047	.1943	.0069	.1025	.2001	.0020	.0182	5.086	.0029

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0011	.0527	.0100	F .0125	.1067	4.849	.0515	5.057	.0154
Stddev	.0015	.0001	.0002	.0004	.0015	.020	.0002	.021	.0001
%RSD	137.2	.1128	1.697	3.374	1.422	.4100	.4286	.4228	.3624
#1	.0005	.0527	.0099	.0129	.1050	4.857	.0516	5.034	.0154
#2	-0.0023	.0526	.0100	.0125	.1078	4.827	.0512	5.077	.0154
#3	-0.0014	.0527	.0102	.0121	.1074	4.864	.0516	5.060	.0153

Check ? Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range 0.100
20.00%

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0203	4.913	.0109	.0490	.0035	.0506	.0052	.0083	.2108
Stddev	.0000	.009	.0004	.0015	.0004	.0004	.0007	.0010	.0013
%RSD	.1458	.1827	3.360	3.129	11.35	.7880	13.75	11.75	.6212
#1	.0204	4.909	.0113	.0472	.0032	.0510	.0049	.0073	.2094
#2	.0204	4.908	.0108	.0500	.0034	.0506	.0060	.0092	.2111
#3	.0203	4.924	.0106	.0497	.0040	.0502	.0047	.0085	.2120

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

Raw Data MA59103 page 72 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: CRI Acquired: 8/7/2025 8:54:32 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0100	.0100	.0098	F .0077	.0497	.0482	.0208	F .0137
Stddev	.0019	.0000	.0002	.0021	.0001	.0010	.0001	.0004
%RSD	19.32	.3255	2.462	27.62	.1737	2.095	.3523	3.061
#1	.0104	.0100	.0096	.0100	.0497	.0471	.0208	.0141
#2	.0078	.0100	.0101	.0057	.0496	.0490	.0208	.0138
#3	.0116	.0100	.0097	.0075	.0498	.0486	.0209	.0132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.0100				.0100
Range				-20.00%				20.00%
Int. Std.	In2306	Y_3600	Y_3710	Y_2243				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	5396.6	81114.	24012.	3101.0				
Stddev	13.4	276.	97.	11.6				
%RSD	24870	.34041	.40337	.37330				
#1	5410.7	80970.	24122.	3114.0				
#2	5384.0	80939.	23938.	3091.6				
#3	5395.2	81432.	23978.	3097.5				

Raw Data MA59103 page 73 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: CRID Acquired: 8/7/2025 8:59:22 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0003	.0966	.0029	.0023	.0039	.0010	-.0029	1.011
Stddev	.0003	.0055	.0002	.0004	.0001	.0000	.0006	.007
%RSD	101.3	5.733	5.353	17.65	2.823	3.300	21.87	.6681
#1	-.0006	.1011	.0030	.0019	.0038	.0009	-.0036	1.019
#2	.0000	.0983	.0027	.0022	.0038	.0010	-.0024	1.009
#3	-.0005	.0904	.0029	.0027	.0040	.0010	-.0028	1.005
Check ?	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass
Value	.0020							
Range	-20.00%							
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-.0012	.0030	.0020	F .0031	-.0010	1.931	-.0009
Stddev	.0001	.0034	.0002	.0002	.0000	.0011	.041	.0002
%RSD	8.575	290.5	5.369	7.772	.8075	112.7	2.134	27.08
#1	.0011	.0018	.0028	.0018	.0031	-.0011	1.957	-.0012
#2	.0010	-.0005	.0031	.0020	.0031	.0002	1.951	-.0008
#3	.0011	-.0048	.0030	.0022	.0032	-.0020	1.883	-.0008
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	None
Value					.0020			
Range					20.00%			
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1064	.0030	.0001	.9692	.0045	.0005	F .0000	-.0032
Stddev	.0130	.0000	.0002	.0036	.0002	.0007	.0015	.0005
%RSD	12.22	1.394	266.1	.3700	5.364	147.5	6080.	17.05
#1	.1189	.0030	.0004	.9733	.0045	.0012	-.0015	-.0027
#2	.0930	.0030	-.0001	.9674	.0048	.0004	.0000	-.0037
#3	.1074	.0030	-.0000	.9668	.0043	-.0002	.0016	-.0031
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Fail	None
Value							.0025	
Range							-20.00%	

Raw Data MA59103 page 74 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: CRID Acquired: 8/7/2025 8:59:22 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0012	.0047	-.0001	.0002	-.0001	-.0004	F .0009	.0022
Stddev	.0018	.0018	.0007	.0008	.0000	.0005	.0009	.0003
%RSD	151.1	38.34	854.0	528.5	50.59	139.2	95.04	13.94
#1	-.0004	.0067	.0007	-.0002	-.0001	-.0002	-.0001	.0024
#2	.0001	.0035	-.0005	-.0005	-.0001	.0001	.0015	.0019
#3	-.0033	.0038	-.0004	.0011	-.0001	-.0009	.0013	.0025
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Fail	Chk Pass
Value	.0030						.0020	
Range	-20.00%						-20.00%	
Elem	W_2079	Zn2062	Zr3391					
Units	ppm	ppm	ppm					
Avg	-.0026	.0106	-.0001					
Stddev	.0004	.0000	.0002					
%RSD	16.16	.3934	209.5					
#1	-.0030	.0106	.0000					
#2	-.0022	.0106	-.0003					
#3	-.0027	.0106	.0000					
Check ?	None	Chk Pass	None					
Value								
Range								
Int. Std.	In2306	Y_3600	Y_3710	Y_2243				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	5378.4	80824.	24093.	3090.2				
Stddev	5.8	96.	279.	6.7				
%RSD	.10759	.11816	1.1562	.21627				
#1	5384.5	80728.	23800.	3096.5				
#2	5377.8	80919.	24122.	3090.9				
#3	5373.0	80827.	24355.	3083.1				

Raw Data MA59103 page 75 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: ICSA Acquired: 8/7/2025 9:04:17 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	480.0	.0019	.0020	.0069	-.0005	-.0048	357.1	.0008
Stddev	.0002	11.8	.0007	.0003	.0001	.0000	.0015	5.0	.0002
%RSD	75.32	2.459	39.21	15.44	1.355	2.411	32.42	1.393	27.64
#1	.0001	467.1	.0018	.0017	.0068	-.0005	-.0030	351.4	.0010
#2	.0004	490.3	.0027	.0020	.0069	-.0005	-.0056	359.8	.0007
#3	.0002	482.5	.0012	.0024	.0070	-.0004	-.0057	360.2	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
High Limit									
Low Limit									
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0115	.0004	-.0010	.0021	177.4	-.0926	-.0017	478.2	-.0054
Stddev	.0024	.0003	.0002	.0004	8	.0232	.0005	3.1	.0001
%RSD	20.61	91.56	17.75	18.23	.4293	25.04	30.63	.6407	1.290
#1	.0095	.0005	-.0012	.0017	176.6	-.0984	-.0011	474.8	-.0053
#2	.0141	-.0000	-.0011	.0025	178.0	-.0671	-.0021	479.1	-.0054
#3	.0108	.0006	-.0008	.0021	177.7	-.1124	-.0019	480.7	-.0055
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
High Limit									
Low Limit									
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0449	-.0012	-.0223	.0019	-.0136	.0022	.0045	.0018
Stddev	.0006	.0060	.0004	.0014	.0012	.0009	.0015	.0009	.0013
%RSD	35.56	13.29	32.30	6.245	65.07	6.728	68.72	20.19	72.28
#1	.0012	.0380	-.0013	-.0209	.0010	-.0127	.0023	.0053	.0004
#2	.0014	.0489	-.0014	-.0224	.0033	-.0145	.0006	.0047	.0029
#3	.0023	.0478	-.0007	-.0237	.0014	-.0137	.0036	.0035	.0020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
High Limit									
Low Limit									

Raw Data MA59103 page 76 of 267

Sample Name: ICSA Acquired: 8/7/2025 9:04:17 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.017	.0008	-0.014	.0034	-0.007	-0.019	.0038	-0.078
Stddev	.0019	.0001	.0003	.0022	.0002	.0026	.0003	.0001
%RSD	111.1	13.88	19.14	64.26	22.71	133.6	6.941	1.549
#1	-0.037	.0009	-0.011	.0052	-0.006	-0.045	.0041	-0.078
#2	.0001	.0007	-0.015	.0010	-0.007	.0006	.0036	-0.079
#3	-0.015	.0008	-0.016	.0040	-0.009	-0.019	.0036	-0.076

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5634.0	80004.	24034.	2911.4
Stddev	10.5	281.	142.	7.4
%RSD	.18630	.35171	.59055	.25400

#1	5634.9	79697.	24188.	2913.8
#2	5644.0	80064.	24007.	2917.2
#3	5623.1	80250.	23908.	2903.0

Raw Data MA59103 page 77 of 267

Sample Name: ICSAB Acquired: 8/7/2025 9:09:31 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4905	.4856	.4830	.9756	.4947	.5014	.9592	.4399
Stddev	.0018	.0003	.0006	.0023	.0008	.0037	.0025	.0009
%RSD	.3613	.0522	.1271	.2407	.1631	.7478	.2636	.1959
#1	.4894	.4859	.4833	.9760	.4956	.4971	.9608	.4400
#2	.4896	.4854	.4823	.9777	.4945	.5042	.9563	.4390
#3	.4926	.4855	.4834	.9730	.4941	.5027	.9605	.4408

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5666.0	80004.	23868.	2938.2
Stddev	6.9	129.	26.	8.6
%RSD	.12105	.16088	.11053	.29197

#1	5672.8	80074.	23837.	2947.5
#2	5666.1	80082.	23883.	2936.6
#3	5659.0	79856.	23883.	2930.6

Raw Data MA59103 page 79 of 267

Sample Name: ICSAB Acquired: 8/7/2025 9:09:31 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.088	472.9	1.005	5279	.4848	.4772	.5125	355.4	1.082
Stddev	.001	7.2	.004	.0029	.0005	.0003	.0022	5.2	.001
%RSD	.0460	1.512	.3984	.5547	.1066	.0660	.4289	1.461	.1090
#1	1.087	480.0	1.0000	5248	.4848	.4775	.5150	361.1	1.080
#2	1.088	473.1	1.007	5283	.4843	.4771	.5115	354.1	1.082
#3	1.088	465.7	1.007	5306	.4854	.4769	.5109	351.0	1.082

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5195	.4990	.4682	.5225	173.3	-0.0540	.5245	476.6	.5048
Stddev	.0032	.0009	.0008	.0025	1.2	.0141	.0016	.6	.0007
%RSD	.6183	.1705	.1630	.4846	.6635	26.02	.3078	.1338	.1375

#1	.5232	.5000	.4690	.5224	174.4	-.0555	.5227	476.5	.5055
#2	.5177	.4986	.4675	.5251	173.4	-.0673	.5253	477.3	.5042
#3	.5176	.4984	.4680	.5200	172.1	-.0393	.5257	476.0	.5048

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5085	.0546	.9859	.5017	.9585	.4880	1.039	1.015	.6511
Stddev	.0001	.0042	.0009	.0028	.0012	.0023	.005	.005	.0022
%RSD	.0221	7.707	.0885	.5517	.1239	.4716	.4442	.5461	.3442

#1	.5083	.0590	.9868	.4994	.9594	.4883	1.033	1.012	.6537
#2	.5085	.0506	.9851	.5048	.9588	.4856	1.041	1.022	.6495
#3	.5085	.0542	.9858	.5010	.9571	.4902	1.042	1.012	.6502

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
Value .5000
Range 20.00%

Raw Data MA59103 page 78 of 267

Sample Name: HSTD Acquired: 8/7/2025 9:14:31 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6177	-0.412	7.817	7.816	7.814	7.893	7.546	.0086	7.416
Stddev	.0004	.0396	.015	.013	.068	.019	.016	.0370	.009
%RSD	.0599	96.01	.1874	.1664	.8693	.2442	.2070	429.0	.1283
#1	.6175	-.0645	7.827	7.829	7.782	7.894	7.564	-.0124	7.418
#2	.6174	-.0636	7.800	7.803	7.892	7.873	7.534	-.0131	7.405
#3	.6181	.0045	7.825	7.816	7.767	7.911	7.540	.0514	7.424

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass
Value
Range

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0142	8.056	7.944	7.428	1081	.4494	7.993	.2220	7.891
Stddev	.0037	.004	.015	.003	.0164	.0345	.014	.0388	.077
%RSD	25.95	.0443	.1907	.0417	15.19	7.688	.1797	17.46	.9738

#1	.0171	8.052	7.927	7.432	.0993	.4296	7.989	.1957	7.823
#2	.0154	8.058	7.950	7.428	.0980	.4893	8.009	.2037	7.875
#3	.0100	8.059	7.955	7.425	.1271	.4293	7.981	.2665	7.975

Check ? None Chk Pass Chk Pass Chk Pass None None Chk Pass None Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.865	.0953	8.122	7.877	8.071	95.10	7.827	7.874	25.18
Stddev	.009	.0049	.007	.010	.010	.17	.016	.009	.04
%RSD	.1206	5.172	.0887	.1324	.1214	.1791	.2026	.1190	.1448

#1	7.875	.0897	8.120	7.883	8.060	95.25	7.844	7.883	25.22
#2	7.857	.0973	8.116	7.865	8.075	94.91	7.812	7.864	25.15
#3	7.861	.0990	8.130	7.883	8.078	95.14	7.825	7.874	25.17

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Raw Data MA59103 page 80 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: HSTD Acquired: 8/7/2025 9:14:31 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.866	7.889	7.864	7.826	7.886	8.159	8.105	8.035
Stddev	.009	.193	.007	.008	.009	.010	.004	.140
%RSD	.1131	2.446	.0869	.0979	.1187	.1229	.0467	1.736

#1	7.869	8.097	7.856	7.830	7.875	8.169	8.103	7.893
#2	7.856	7.716	7.867	7.817	7.893	8.149	8.102	8.172
#3	7.873	7.855	7.869	7.830	7.889	8.159	8.109	8.039

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5527.9	80857.	23983.	3040.2
Stddev	18.5	342.	89.	7.3
%RSD	.33518	.42299	.36983	.24036

#1	5547.5	81249.	23978.	3047.0
#2	5525.5	80621.	24074.	3041.1
#3	5510.7	80700.	23897.	3032.5

Raw Data MA59103 page 81 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: HSTD Acquired: 8/7/2025 9:19:47 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	288.0	.0039	.0107	.0059	.0015	.0008	183.2	.0028
Stddev	.0003	5.1	.0026	.0010	.0001	.0000	.0028	.5	.0000
%RSD	184.1	1.785	66.16	9.165	1.738	2.385	358.1	.2513	1.175

#1	-.0000	285.5	.0035	.0112	.0059	.0015	.0041	183.0	.0028
#2	.0005	294.0	.0068	.0114	.0059	.0015	-.0008	182.9	.0028
#3	-.0000	284.7	.0016	.0096	.0057	.0014	-.0009	183.8	.0029

Check ? None Chk Pass None None None None None Chk Pass None
Value
Range

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0155	.0024	.0007	.0052	180.2	190.8	.0020	288.0	-.0014
Stddev	.0019	.0004	.0003	.0002	2.6	.4	.0005	.8	.0000
%RSD	12.48	17.75	38.02	2.998	1.456	.2044	23.64	.2672	2.914

#1	.0177	.0020	.0007	.0053	177.2	191.2	.0015	287.9	-.0014
#2	.0144	.0025	.0004	.0051	181.1	190.7	.0023	288.8	-.0014
#3	.0143	.0028	.0010	.0053	182.3	190.4	.0022	287.3	-.0014

Check ? None None None None Chk Pass Chk Pass None Chk Pass None
Value
Range

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0077	189.0	-.0000	-.0078	.0071	.0140	.0013	.0082	.2349
Stddev	.0004	.9	.0003	.0011	.0009	.0010	.0015	.0018	.0008
%RSD	5.132	.4727	760.1	13.67	12.48	7.199	112.2	21.89	.3336

#1	.0081	189.3	-.0003	-.0076	.0081	.0149	.0005	.0101	.2351
#2	.0076	189.6	-.0001	-.0089	.0067	.0129	.0030	.0065	.2340
#3	.0074	187.9	.0003	-.0068	.0065	.0143	.0004	.0080	.2356

Check ? None Chk Pass None None None None None None None
Value
Range

Raw Data MA59103 page 82 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: HSTD Acquired: 8/7/2025 9:19:47 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020	.0019	.0012	.0009	.0013	.0022	.0045	-.0054
Stddev	.0006	.0001	.0001	.0018	.0000	.0029	.0001	.0002
%RSD	28.11	5.350	7.748	213.4	2.624	132.4	1.335	3.892

#1	.0014	.0020	.0012	.0012	.0013	-.0005	.0045	-.0056
#2	.0025	.0020	.0013	-.0011	.0012	.0052	.0046	-.0052
#3	.0022	.0018	.0012	.0025	.0013	.0019	.0045	-.0053

Check ? None None None None None None None None
Value
Range

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5728.9	82102.	23161.	3045.0
Stddev	5.3	318.	52.	4.2
%RSD	.09329	.38773	.22355	.13878

#1	5730.6	81753.	23189.	3045.3
#2	5733.3	82375.	23101.	3049.1
#3	5723.0	82179.	23192.	3040.6

Raw Data MA59103 page 83 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: sampleconf Acquired: 8/7/2025 9:25:10 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	292.6	.0029	.0038	.0041	-.0003	-.0026	187.7	.0006
Stddev	.0002	.9	.0005	.0004	.0001	.0000	.0019	1.9	.0001
%RSD	36.04	.3181	15.58	11.00	2.508	7.134	72.06	1.013	12.94

#1	.0006	292.3	.0032	.0038	.0041	-.0003	-.0031	185.5	.0007
#2	.0008	293.6	.0024	.0034	.0040	-.0003	-.0042	188.8	.0005
#3	.0004	291.8	.0032	.0043	.0042	-.0003	-.0005	188.8	.0006

Check ? None None None None None None None None None
Value
Range

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0167	.0005	-.0013	.0053	178.7	189.9	.0009	293.1	-.0033
Stddev	.0060	.0003	.0004	.0014	2.9	.1	.0014	.9	.0000
%RSD	35.80	56.07	28.78	26.81	1.635	.0390	151.1	.3237	.8352

#1	.0236	.0002	-.0016	.0038	177.8	189.9	.0025	293.5	-.0033
#2	.0124	.0008	-.0009	.0054	176.3	189.8	-.0002	293.9	-.0033
#3	.0142	.0005	-.0013	.0066	181.9	189.8	.0005	292.1	-.0034

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032	185.8	-.0013	-.0144	.0047	-.0091	-.0013	.0091	.0204
Stddev	.0005	1.4	.0002	.0009	.0009	.0018	.0013	.0023	.0020
%RSD	15.46	.7612	15.43	6.387	18.35	19.73	102.8	24.90	9.711

#1	.0027	184.3	-.0013	-.0152	.0039	-.0108	-.0001	.0109	.0221
#2	.0035	187.1	-.0012	-.0134	.0045	-.0072	-.0027	.0099	.0209
#3	.0036	186.0	-.0016	-.0146	.0056	-.0092	-.0011	.0066	.0182

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0003	-.0009	.0027	-.0008	-.0015	.0030	-.0070
Stddev	.0012	.0001	.0006	.0008	.0001	.0012	.0004	.0000
%RSD	1002.	24.98	64.38	31.25	18.88	81.51	12.18	.6119

#1	-.0014	.0003	-.0002	.0029	-.0006	-.0029	.0028	-.0069
#2	-.0000	.0004	-.0013	.0034	-.0009	-.0009	.0028	-.0070
#3	.0011	.0002	-.0011	.0018	-.0008	-.0007	.0034	-.0070

Raw Data MA59103 page 84 of 267

Sample Name: sampleconf Acquired: 8/7/2025 9:25:10 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5703.7	81358.	22949.	3029.7
Stddev	8.0	314.	71.	8.4
%RSD	.14113	.38589	.30730	.27593
#1	5709.0	81267.	22952.	3034.3
#2	5707.7	81708.	22877.	3034.9
#3	5694.5	81100.	23018.	3020.1

Check ?
Value
Range

Elem	Units	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.999	2.013	1.971	1.889	40.32	39.58	1.987	40.01	2.032	
Stddev	.004	.002	.002	.005	.05	.05	.003	.08	.004	
%RSD	.1930	.0782	.0878	.2515	.1254	.1375	.1625	.1948	.1860	
#1	2.003	2.013	1.969	1.884	40.37	39.53	1.988	40.04	2.037	
#2	1.997	2.012	1.972	1.893	40.33	39.63	1.989	39.92	2.031	
#3	1.996	2.015	1.971	1.889	40.27	39.57	1.983	40.07	2.030	

Check ?
Value
Range

Elem	Units	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.975	39.94	2.027	1.990	2.014	2.011	1.974	2.000	4.975	
Stddev	.003	.03	.002	.007	.003	.006	.010	.008	.022	
%RSD	.1739	.0765	.1096	.3632	.1542	.3160	.4940	.4217	.4523	
#1	1.971	39.95	2.029	1.982	2.017	2.004	1.963	1.990	4.950	
#2	1.976	39.96	2.024	1.995	2.011	2.017	1.978	2.005	4.992	
#3	1.978	39.90	2.028	1.992	2.015	2.011	1.981	2.005	4.984	

Check ?
Value
Range

Raw Data MA59103 page 85 of 267

Sample Name: CCV Acquired: 8/7/2025 9:30:33 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Units	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.972	1.942	1.957	1.996	1.968	1.980	1.998	2.004	
Stddev	.005	.040	.004	.003	.001	.007	.004	.004	
%RSD	.2341	2.073	.1826	.1296	.0266	.3474	.1862	.1812	
#1	1.974	1.900	1.953	1.999	1.968	1.973	1.998	2.008	
#2	1.967	1.945	1.959	1.997	1.969	1.980	1.995	2.003	
#3	1.975	1.980	1.960	1.994	1.968	1.986	2.002	2.001	

Check ?
Value
Range

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5623.3	81930.	23486.	3087.2
Stddev	14.6	124.	30.	13.1
%RSD	.25956	.15080	.12578	.42324
#1	5639.3	81828.	23483.	3112.1
#2	5610.7	82068.	23457.	3087.5
#3	5620.1	81894.	23516.	3092.0

Check ?
Value
Range

Elem	Units	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.975	39.94	2.027	1.990	40.32	39.58	1.987	40.01	2.032	
Stddev	.003	.03	.002	.007	.003	.006	.010	.008	.022	
%RSD	.1739	.0765	.1096	.3632	.1542	.3160	.4940	.4217	.4523	
#1	1.971	39.95	2.029	1.982	40.37	39.53	1.988	40.04	2.037	
#2	1.976	39.96	2.024	1.995	40.33	39.63	1.989	39.92	2.031	
#3	1.978	39.90	2.028	1.992	40.27	39.57	1.981	40.07	2.030	

Check ?
Value
Range

Elem	Units	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.975	39.94	2.027	1.990	2.014	2.011	1.974	2.000	4.975	
Stddev	.003	.03	.002	.007	.003	.006	.010	.008	.022	
%RSD	.1739	.0765	.1096	.3632	.1542	.3160	.4940	.4217	.4523	
#1	1.971	39.95	2.029	1.982	2.017	2.004	1.963	1.990	4.950	
#2	1.976	39.96	2.024	1.995	2.011	2.017	1.978	2.005	4.992	
#3	1.978	39.90	2.028	1.992	2.015	2.011	1.981	2.005	4.984	

Raw Data MA59103 page 87 of 267

Sample Name: CCV Acquired: 8/7/2025 9:30:33 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Units	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.416	39.44	1.998	1.981	1.990	2.003	1.946	40.27	2.006	
Stddev	.0009	.02	.012	.012	.003	.000	.007	.03	.005	
%RSD	.3533	.0564	.5901	.5802	.1292	.0074	.3646	.0726	.2543	
#1	2.406	39.46	1.985	1.968	1.991	2.003	1.939	40.29	2.000	
#2	2.420	39.45	2.008	1.991	1.992	2.003	1.953	40.24	2.010	
#3	2.422	39.42	2.001	1.984	1.987	2.003	1.947	40.28	2.007	

Check ?
Value
Range

Elem	Units	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.999	2.013	1.971	1.889	40.32	39.58	1.987	40.01	2.032	
Stddev	.004	.002	.002	.005	.05	.05	.003	.08	.004	
%RSD	.1930	.0782	.0878	.2515	.1254	.1375	.1625	.1948	.1860	
#1	2.003	2.013	1.969	1.884	40.37	39.53	1.988	40.04	2.037	
#2	1.997	2.012	1.972	1.893	40.33	39.63	1.989	39.92	2.031	
#3	1.996	2.015	1.971	1.889	40.27	39.57	1.983	40.07	2.030	

Check ?
Value
Range

Elem	Units	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.975	39.94	2.027	1.990	2.014	2.011	1.974	2.000	4.975	
Stddev	.003	.03	.002	.007	.003	.006	.010	.008	.022	
%RSD	.1739	.0765	.1096	.3632	.1542	.3160	.4940	.4217	.4523	
#1	1.971	39.95	2.029	1.982	2.017	2.004	1.963	1.990	4.950	
#2	1.976	39.96	2.024	1.995	2.011	2.017	1.978	2.005	4.992	
#3	1.978	39.90	2.028	1.992	2.015	2.011	1.981	2.005	4.984	

Check ?
Value
Range

Raw Data MA59103 page 86 of 267

Sample Name: CCB Acquired: 8/7/2025 9:35:12 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Units	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	-0.049	.0000	.0054	.0001	.0000	.0002	-0.0022	.0000	
Stddev	.0001	.0043	.0003	.0001	.0001	.0000	.0016	.0017	.0003	
%RSD	29.93	86.95	387.1	2.612	77.56	262.7	720.0	80.66	872.7	
#1	-0.003	-0.009	-0.000	.0055	.0000	.0000	.0013	-0.009	-0.002	
#2	-0.003	-0.094	-0.003	.0055	.0002	.0000	.0009	-0.041	-0.000	
#3	-0.005	-0.044	.0004	.0053	.0001	-0.000	-0.016	-0.015	.0004	

Check ?
Value
Range

Elem	Units	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0059	-0.0001	-0.0001	.0011	.0007	.0834	-0.0005	-0.0067	-0.0001	
Stddev	.0017	.0002	.0001	.0008	.0026	.0197	.0004	.0068	.0000	
%RSD	28.77	250.5	103.3	76.41	389.2	23.64	71.62	102.7	38.78	
#1	-0.0051	-0.0003	-0.0000	.0005	.0030	.0616	-0.0003	-0.0056	-0.000	
#2	-0.0079	.0001	-0.0001	.0007	.0011	.1000	-0.0003	-0.0004	-0.0001	
#3	-0.0048	-0.0001	-0.0002	.0020	-0.0021	.0887	-0.0009	-0.0140	-0.0001	

Check ?
Value
Range

Elem	Units	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	.0226	.0004	.0007	-0.0003	-0.0038	.0008	-0.0016	.0051	
Stddev	.0001	.0084	.0003	.0007	.0014	.0009	.0004	.0018	.0012	
%RSD	5.442	37.35	70.57	96.66	436.6	22.91	49.63	111.5	23.67	
#1	.0014	.0316	.0003	.0015	.0011	-0.0042	.0004	-0.0025	.0045	
#2	.0014	.0214	.0002	.0001	-0.0004	-0.0028	.0008	.0005	.0065	
#3	.0016	.0148	.0007	.0007	-0.0016	-0.0045	.0012	-0.0029	.0043	

Check ?
Value
Range

Elem	Units	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	.0226	.0004	.0007	-0.0003	-0.0038	.0008	-0.0016	.0051	
Stddev	.0001	.0084	.0003	.0007	.0014	.0009	.0004	.0018	.0012	
%RSD	5.442	37.35	70.57	96.66	436.6	22.91	49.63	111.5	23.67	
#1	.0014	.0316	.0003	.0015	.0011	-0.0042	.0004	-0.0025	.0045	
#2	.0014	.0214	.0002	.0001	-0.0004	-0.0028	.0008	.0005	.0065	
#3	.0016	.0148	.0007	.0007	-0.0016	-0.0045	.0012	-0.0029	.0043	

Raw Data MA59103 page 88 of 267

Sample Name: CCB Acquired: 8/7/2025 9:35:12 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0001	-0.0002	.0001	-0.0000	-0.0017	.0001	.0003
Stddev	.0009	.0000	.0003	.0012	.0005	.0011	.0001	.0002
%RSD	596.5	69.65	126.4	1112.	1827.	64.75	238.9	54.42
#1	-0.0005	-0.0000	-0.0004	.0002	.0004	-0.0004	-0.0001	.0002
#2	-0.0002	-0.0000	.0001	.0013	.0001	-0.0025	.0001	.0006
#3	.0012	-0.0001	-0.0005	-0.0012	-0.0005	-0.0021	.0002	.0002

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5418.0	82257.	24228.	3117.3
Stddev	15.7	374.	217.	8.6
%RSD	.29055	.45473	.89478	.27486

#1	5415.2	82525.	24053.	3115.7
#2	5435.0	81829.	24471.	3126.6
#3	5403.9	82415.	24161.	3109.7

Raw Data MA59103 page 89 of 267

Sample Name: CRI Acquired: 8/7/2025 9:40:08 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044	.1984	.0070	.1044	.1981	.0020	.0176	5.021	.0031
Stddev	.0003	.0057	.0006	.0005	.0004	.0001	.0007	.013	.0000
%RSD	5.699	2.886	8.970	.4395	.1834	3.401	4.108	.2642	1.258
#1	.0045	.1920	.0072	.1049	.1980	.0020	.0184	5.028	.0031
#2	.0047	.1999	.0063	.1043	.1978	.0020	.0171	5.005	.0031
#3	.0042	.2032	.0075	.1040	.1985	.0021	.0172	5.029	.0031

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	.0528	.0100	.0095	.1047	4.873	.0498	4.974	.0154
Stddev	.0029	.0000	.0001	.0006	.0019	.021	.0005	.020	.0001
%RSD	582.4	.0873	1.250	6.427	1.794	.4260	1.019	.3988	.6121

#1	.0027	.0527	.0101	.0101	.1047	4.863	.0492	4.981	.0154
#2	-0.0011	.0527	.0099	.0096	.1029	4.859	.0502	4.951	.0154
#3	-0.0031	.0528	.0100	.0089	.1066	4.896	.0499	4.989	.0155

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0206	4.908	.0108	.0505	.0028	.0484	.0056	.0086	.2109
Stddev	.0000	.010	.0002	.0008	.0009	.0014	.0007	.0002	.0017
%RSD	.1949	.2088	2.128	1.617	33.10	2.993	12.62	2.632	.7891

#1	.0206	4.906	.0110	.0496	.0039	.0476	.0054	.0084	.2117
#2	.0207	4.899	.0107	.0512	.0022	.0476	.0065	.0086	.2090
#3	.0206	4.919	.0105	.0505	.0024	.0501	.0051	.0086	.2121

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

Raw Data MA59103 page 90 of 267

Sample Name: CRI Acquired: 8/7/2025 9:40:08 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0099	.0100	.0101	.0081	.0498	.0480	.0211	F .0140
Stddev	.0001	.0001	.0003	.0010	.0004	.0016	.0003	.0003
%RSD	1.079	1.096	3.336	12.78	.8582	3.374	1.256	2.483
#1	.0100	.0099	.0104	.0070	.0499	.0477	.0208	.0144
#2	.0098	.0099	.0097	.0091	.0502	.0498	.0211	.0138
#3	.0099	.0101	.0100	.0081	.0494	.0466	.0213	.0137

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
Value .0100
Range 20.00%

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5435.5	81734.	23987.	3120.7
Stddev	6.6	615.	116.	2.4
%RSD	.12122	.75292	.48151	.07847

#1	5441.1	82430.	23891.	3121.6
#2	5437.3	81510.	24115.	3122.6
#3	5428.3	81262.	23954.	3117.9

Raw Data MA59103 page 91 of 267

Sample Name: JE15707-7UNDCONF Acquired: 8/7/2025 9:44:58 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: FB/CU

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0650	.0007	.0303	.0035	.0000	.0030	.0806	-0.0003
Stddev	.0001	.0047	.0005	.0001	.0001	.0001	.0015	.0009	.0001
%RSD	94.96	7.213	73.73	.4186	2.086	147.0	50.52	1.123	56.15
#1	-0.0003	.0680	.0010	.0304	.0036	.0001	.0042	.0816	-0.0003
#2	-0.0001	.0596	.0001	.0303	.0036	.0000	.0034	.0805	-0.0001
#3	-0.0001	.0675	.0009	.0302	.0035	.0000	.0013	.0798	-0.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0025	.0004	-0.0000	.0124	.0011	.0490	-0.0007	.0080	.0004
Stddev	.0017	.0001	.0004	.0005	.0015	.0115	.0006	.0068	.0001
%RSD	70.54	42.45	906.0	4.208	139.8	23.47	82.63	85.08	17.73
#1	-0.0005	.0002	-0.0001	.0120	.0029	.0440	-0.0005	.0148	.0004
#2	-0.0038	.0005	.0004	.0130	.0000	.0408	-0.0014	.0078	.0003
#3	-0.0031	.0004	-0.0004	.0122	.0004	.0621	-0.0003	.0013	.0004

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	.2117	-0.0005	.0243	.0006	.0034	-0.0020	-0.0027	.0505
Stddev	.0002	.0067	.0003	.0014	.0005	.0003	.0005	.0014	.0003
%RSD	53.20	3.179	65.66	5.867	84.76	9.970	23.44	52.09	.6206
#1	-0.0002	.2075	-0.0002	.0252	.0000	.0033	-0.0024	-0.0011	.0505
#2	-0.0006	.2082	-0.0005	.0250	.0008	.0037	-0.0015	-0.0037	.0508
#3	-0.0003	.2195	-0.0008	.0226	.0010	.0030	-0.0023	-0.0034	.0502

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0012	.0009	-0.0020	.0004	-0.0043	.0194	.0000
Stddev	.0015	.0001	.0002	.0004	.0003	.0007	.0002	.0002
%RSD	1820.	5.731	28.21	21.54	72.69	16.76	.9408	646.2

#1	-0.0013	.0012	.0007	-0.0019	.0006	-0.0050	.0196	.0003
#2	-0.0005	.0012	.0012	-0.0025	.0005	-0.0043	.0192	-0.0001
#3	.0016	.0011	.0008	-0.0016	.0001	-0.0036	.0195	-0.0001

Raw Data MA59103 page 92 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE15707-7UNDCONF Acquired: 8/7/2025 9:44:58 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: FB/CU

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5325.2	80348.	23261.	3096.8
Stddev	11.7	385.	64.	7.9
%RSD	.21973	.47912	.27541	.25544

#1 5315.4 79959. 23192. 3088.7
#2 5338.2 80354. 23318. 3104.6
#3 5322.2 80729. 23272. 3097.0

Raw Data MA59103 page 93 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56392-MB1 1 Acquired: 8/7/2025 9:50:51 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-.0021	.0007	.0048	.0001	-.0000	.0031	.0006	-.0002
Stddev	.0003	.0045	.0004	.0003	.0001	.0000	.0014	.0026	.0001
%RSD	126.7	211.7	54.69	5.503	121.9	199.7	45.29	428.0	61.73

#1 .0004 .0016 .0010 .0050 -.0000 .0000 .0047 .0029 -.0002
#2 .0003 -.0009 .0003 .0045 .0001 .0001 .0021 -.0022 -.0001
#3 -.0001 -.0071 .0008 .0049 .0002 -.0000 .0025 .0011 -.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0069	-.0000	-.0003	.0023	-.0009	.0269	-.0009	-.0002	.0001
Stddev	.0070	.0002	.0003	.0007	.0006	.0182	.0012	.0057	.0000
%RSD	102.0	491.9	91.63	29.76	67.66	67.59	139.1	3706.	28.48

#1 -.0065 .0002 -.0000 .0016 -.0006 .0412 .0004 -.0017 .0001
#2 -.0140 -.0002 -.0002 .0029 -.0005 .0330 -.0009 -.0050 .0001
#3 -.0000 -.0001 -.0006 .0024 -.0017 .0064 -.0020 .0062 .0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	.0103	.0001	.0021	.0027	.0038	-.0024	-.0043	.1001
Stddev	.0001	.0062	.0003	.0016	.0015	.0008	.0010	.0007	.0001
%RSD	12.54	60.16	283.9	75.54	54.63	21.74	40.56	17.26	.1421

#1 -.0005 .0170 -.0002 .0037 .0038 .0030 -.0034 -.0040 .1000
#2 -.0005 .0048 .0004 .0006 .0010 .0047 -.0022 -.0052 .1001
#3 -.0004 .0091 .0001 .0019 .0033 .0037 -.0015 -.0038 .1003

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	-.0000	.0003	-.0020	.0002	-.0042	.0002	.0000
Stddev	.0006	.0001	.0002	.0004	.0001	.0008	.0002	.0001
%RSD	158.1	338.7	74.21	21.37	35.10	18.25	82.78	4474.

#1 -.0006 .0001 .0005 -.0016 .0003 -.0049 .0004 .0001
#2 -.0009 -.0001 .0001 -.0019 .0001 -.0041 .0000 -.0001
#3 .0003 -.0001 .0002 -.0024 .0002 -.0034 .0002 -.0000

Raw Data MA59103 page 94 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56392-MB1 1 Acquired: 8/7/2025 9:50:51 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5289.8	79773.	23200.	3087.4
Stddev	6.9	184.	195.	6.7
%RSD	.13128	.23003	.84225	.21697

#1 5292.0 79977. 23418. 3094.3
#2 5282.0 79719. 23040. 3081.0
#3 5295.4 79622. 23142. 3086.9

Raw Data MA59103 page 95 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56377-S1 7 Acquired: 8/7/2025 9:55:46 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA/FE

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3137	102.1	1.721	2.065	2.712	2.724	-.0249	159.7
Stddev	.0196	4.8	.291	.345	.125	.128	.0050	7.5
%RSD	6.232	4.663	16.90	16.70	4.602	4.704	20.26	4.717

#1 .3331 107.1 2.024 2.424 2.843 2.855 -.0221 167.3
#2 .3141 101.8 1.693 2.035 2.696 2.719 -.0307 159.5
#3 .2940 97.55 1.445 1.736 2.595 2.599 -.0219 152.2

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.746	.0866	1.755	2.589	3.245	332.9	49.52	.0709
Stddev	.296	.0115	.298	.140	.185	14.8	2.30	.0047
%RSD	16.97	13.33	16.97	5.418	5.686	4.441	4.639	6.690

#1 2.055 .0972 2.066 2.733 3.430 347.8 51.82 .0764
#2 1.721 .0884 1.726 2.581 3.245 332.6 49.51 .0681
#3 1.464 .0743 1.472 2.453 3.061 318.3 47.23 .0683

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	83.90	4.683	1.716	F 1209.	2.115	1.632	2.264	F 2063.
Stddev	4.06	.256	.290	.28	.356	.281	.391	.285.
%RSD	4.838	5.466	16.92	2.292	16.84	17.20	17.29	13.83

#1 87.97 4.940 2.018 1235. 2.487 1.925 2.670 2356.
#2 83.87 4.680 1.691 1211. 2.080 1.604 2.234 2045.
#3 79.86 4.428 1.438 1180. 1.777 1.366 1.889 1787.

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.669	1.753	28.32	1.683	3.040	4.555	W 1.693	2.416
Stddev	.286	.308	4.84	.285	.137	.255	.283	.132
%RSD	17.15	17.59	17.09	16.95	4.513	5.599	16.71	5.441

#1 1.962 2.071 33.35 1.981 3.183 4.816 1.986 2.549
#2 1.655 1.734 27.92 1.654 3.028 4.544 1.671 2.413
#3 1.390 1.455 23.70 1.413 2.909 4.306 1.421 2.286

Raw Data MA59103 page 96 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56377-S1 7 Acquired: 8/7/2025 9:55:46 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA/FE

Elem Units	W_2079 ppm	Zn2062 ppm	Zr3391 ppm	
Avg	1.671	3.089	2.345	
Stddev	.285	.520	.124	
%RSD	17.08	16.84	5.307	
#1	1.964	3.633	2.470	
#2	1.657	3.037	2.343	
#3	1.393	2.596	2.221	
Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5469.3	80596.	23427.	3063.8
Stddev	16.0	193.	153.	3.5
%RSD	29198	23890	65374	11457
#1	5486.4	80769.	23406.	3065.0
#2	5466.7	80388.	23286.	3059.8
#3	5454.7	80630.	23590.	3066.5

Raw Data MA59103 page 97 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56377-S2 Acquired: 8/7/2025 10:00:35 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA/FE

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm	
Avg	3054	102.8	1.787	2.165	2.618	2.620	-0.0210	161.9	
Stddev	.0140	5.0	.251	.295	.128	.126	.0074	7.1	
%RSD	4.589	4.831	14.07	13.65	4.882	4.799	35.19	4.414	
#1	.3205	107.8	2.048	2.470	2.744	2.744	-.0276	169.1	
#2	.3030	102.8	1.765	2.144	2.621	2.623	-.0224	161.9	
#3	.2928	97.85	1.547	1.880	2.489	2.493	-.0130	154.8	
Elem Units	Cd2288 ppm	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm	
Avg	1.791	.0640	1.802	2.522	3.241	338.1	49.01	.0741	
Stddev	.247	.0175	.247	.122	.168	15.7	2.46	.0044	
%RSD	13.76	27.40	13.68	4.819	5.184	4.649	5.017	5.931	
#1	2.045	.0807	2.056	2.642	3.412	353.6	51.52	.0699	
#2	1.776	.0654	1.786	2.527	3.234	338.6	48.90	.0786	
#3	1.553	.0458	1.564	2.399	3.076	322.2	46.61	.0738	
Elem Units	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm	
Avg	84.07	4.684	1.766	F 1243.	2.181	1.779	2.335	F 2215.	
Stddev	3.58	.211	.242	57.	.299	.250	.320	.243.	
%RSD	4.253	4.506	13.71	4.615	13.72	14.05	13.72	10.97	
#1	87.70	4.891	2.016	1304.	2.490	2.038	2.666	2463.	
#2	83.97	4.692	1.750	1236.	2.160	1.759	2.313	2205.	
#3	80.55	4.469	1.533	1190.	1.892	1.540	2.026	1977.	
Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	
Avg	1.721	1.816	31.42	1.730	2.954	4.563	W 1.740	2.349	
Stddev	.243	.243	4.35	.237	.145	.211	.234	.110	
%RSD	14.14	13.36	13.83	13.69	4.911	4.635	13.47	4.673	
#1	1.972	2.064	35.86	1.974	3.097	4.776	1.986	2.460	
#2	1.704	1.804	31.21	1.715	2.957	4.562	1.715	2.347	
#3	1.487	1.579	27.18	1.501	2.807	4.353	1.520	2.241	

Raw Data MA59103 page 98 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56377-S2 Acquired: 8/7/2025 10:00:35 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA/FE

Elem Units	W_2079 ppm	Zn2062 ppm	Zr3391 ppm	
Avg	1.721	3.252	2.295	
Stddev	.238	.431	.103	
%RSD	13.83	13.26	4.472	
#1	1.969	3.698	2.394	
#2	1.698	3.222	2.301	
#3	1.495	2.837	2.189	
Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5499.1	81020.	23581.	3063.4
Stddev	8.5	101.	114.	5.5
%RSD	15531	12439	48280	18058
#1	5507.8	81119.	23605.	3060.5
#2	5498.5	80917.	23680.	3059.9
#3	5490.8	81025.	23456.	3069.8

Raw Data MA59103 page 99 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16402-1 Acquired: 8/7/2025 10:05:23 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA/FE

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm	Cd2288 ppm
Avg	.0018	68.94	.0467	.4495	.0429	.0036	-.0177	125.4	.0086
Stddev	.0014	2.61	.0082	.0582	.0024	.0004	.0030	4.3	.0020
%RSD	77.84	3.785	17.63	12.94	5.681	12.21	17.06	3.397	23.50
#1	.0016	71.41	.0560	.5082	.0454	.0041	-.0195	129.2	.0107
#2	.0033	69.19	.0439	.4484	.0429	.0034	-.0195	126.1	.0086
#3	.0005	66.21	.0402	.3919	.0405	.0032	-.0143	120.8	.0066
Elem Units	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm	Mg2790 ppm	Mn2576 ppm
Avg	.0798	.0412	.3254	1.051	295.6	16.22	.0729	50.14	2.336
Stddev	.0201	.0056	.0172	.060	11.0	.61	.0018	1.54	.127
%RSD	25.14	13.66	5.289	5.725	3.713	3.777	2.471	3.081	5.430
#1	.1030	.0465	.3418	1.110	305.9	16.75	.0732	51.51	2.461
#2	.0688	.0418	.3270	1.054	296.8	16.35	.0745	50.45	2.339
#3	.0677	.0353	.3074	.9895	284.1	15.55	.0709	48.47	2.207
Elem Units	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm
Avg	.0246	F 1192.	.3959	1.711	.5494	F 2135.	.0020	.0267	30.20
Stddev	.0026	40.	.0573	.229	.0866	.241.	.0041	.0072	4.21
%RSD	10.61	3.331	14.47	13.37	15.76	11.28	199.8	26.81	13.94
#1	.0270	1231.	.4563	1.942	.6343	2382.	.0027	.0261	34.56
#2	.0249	1193.	.3891	1.705	.5527	2123.	-.0023	.0342	29.90
#3	.0218	1152.	.3423	1.485	.4612	1900.	.0058	.0199	26.15
Elem Units	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	W_2079 ppm	Zn2062 ppm	Zr3391 ppm	
Avg	.0066	.3421	2.303	-.0047	.1602	-.0134	1.468	.0144	
Stddev	.0032	.0138	.124	.0106	.0081	.0080	.210	.0007	
%RSD	48.02	4.038	5.375	226.4	5.028	60.26	14.28	5.017	
#1	.0063	.3554	2.424	-.0119	.1681	-.0049	1.686	.0145	
#2	.0036	.3430	2.309	.0075	.1603	-.0209	1.451	.0150	
#3	.0099	.3278	2.177	-.0096	.1520	-.0143	1.268	.0136	

Raw Data MA59103 page 100 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16402-1 Acquired: 8/7/2025 10:05:23 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA/FE

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5492.8	81977.	23854.	3070.5
Stddev	16.2	262.	242.	6.0
%RSD	.29530	.32012	1.0163	.19629

#1	5509.4	81958.	24116.	3077.2
#2	5492.1	81725.	23808.	3068.7
#3	5477.0	82249.	23638.	3065.6

Raw Data MA59103 page 101 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56377-SD1 Acquired: 8/7/2025 10:10:18 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA/FE

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0060	71.85	.0391	.5293	.0467	.0022	-0.0325	131.2	.0077
Stddev	.0024	5.04	.0109	.0676	.0037	.0009	.0171	9.4	.0025
%RSD	40.19	7.014	27.88	12.76	7.852	42.26	52.58	7.199	31.90

#1	-.0032	77.01	.0510	.5991	.0490	.0032	-.0138	141.0	.0089
#2	-.0077	71.60	.0296	.5246	.0486	.0017	-.0473	130.6	.0093
#3	-.0070	66.94	.0368	.4642	.0424	.0016	-.0362	122.1	.0049

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0187	.0449	.3245	1.022	306.0	17.33	.0715	52.59	2.301
Stddev	.0646	.0051	.0108	.067	22.5	.61	.0030	3.95	.121
%RSD	345.6	11.26	3.314	6.560	7.346	3.527	4.128	7.506	5.262

#1	.0533	.0503	.3337	1.094	328.8	17.96	.0738	56.50	2.424
#2	-.0715	.0403	.3271	1.011	305.4	17.30	.0726	52.66	2.298
#3	-.0379	.0440	.3127	.9616	283.8	16.74	.0682	48.60	2.182

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0239	1221.	.4065	1.735	.5588	F 2512.	.0168	.0239	30.56
Stddev	.0035	84.	.0607	.233	.0930	355.	.0387	.0217	4.49
%RSD	14.65	6.848	14.94	13.43	16.65	14.12	230.9	90.97	14.71

#1	.0241	1305.	.4677	1.976	.6349	2870.	.0066	.0443	35.07
#2	.0274	1219.	.4056	1.717	.5863	2507.	-.0158	.0011	30.52
#3	.0204	1138.	.3462	1.511	.4551	2160.	.0595	.0262	26.08

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0178	.3614	2.272	.0041	.1520	-.0737	1.590	.0144
Stddev	.0082	.0249	.134	.0205	.0128	.0196	.130	.0031
%RSD	46.30	6.886	5.902	498.8	8.393	26.59	13.85	21.64

#1	.0105	.3854	2.411	-.0115	.1614	-.0511	1.805	.0160
#2	.0161	.3630	2.263	.0273	.1572	-.0838	1.601	.0164
#3	.0268	.3357	2.143	-.0035	.1375	-.0862	1.365	.0108

Raw Data MA59103 page 102 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56377-SD1 Acquired: 8/7/2025 10:10:18 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA/FE

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5416.6	81556.	24080.	3076.5
Stddev	14.1	279.	111.	10.6
%RSD	.26124	.34157	.46188	.34454

#1	5411.6	81877.	23962.	3067.9
#2	5432.6	81374.	24182.	3088.3
#3	5405.6	81418.	24095.	3073.2

Raw Data MA59103 page 103 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56273-S1 Acquired: 8/7/2025 10:15:07 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2590	83.95	1.410	1.668	2.299	2.327	-.0201	131.5
Stddev	.0174	4.67	.159	.186	.130	.130	.0074	6.9
%RSD	6.725	5.566	11.30	11.18	5.649	5.566	36.89	5.278

#1	.2770	88.82	1.562	1.842	2.434	2.460	-.0141	138.9
#2	.2577	83.52	1.423	1.690	2.289	2.320	-.0284	130.5
#3	.2422	79.50	1.244	1.472	2.174	2.201	-.0178	125.1

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.445	.0684	1.455	2.169	2.655	285.7	41.54	.0548
Stddev	.168	.0188	.167	.150	.195	14.1	2.17	.0037
%RSD	11.60	27.17	11.44	6.904	7.347	5.301	5.219	6.802

#1	1.601	.0911	1.614	2.309	2.841	280.3	43.56	.0575
#2	1.466	.0579	1.469	2.187	2.673	264.5	41.81	.0505
#3	1.268	.0591	1.282	2.011	2.452	252.2	39.25	.0562

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	68.28	3.858	1.417	F 1014.	1.727	1.301	1.834	F 1687.
Stddev	3.50	.264	.163	47.	.197	.144	.206	165.
%RSD	5.121	6.843	11.46	4.640	11.40	11.10	11.24	9.781

#1	72.01	4.109	1.569	1061.	1.914	1.435	2.027	1838.
#2	67.75	3.881	1.436	1016.	1.746	1.320	1.858	1711.
#3	65.08	3.583	1.246	966.8	1.521	1.148	1.617	1511.

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.359	1.433	18.97	1.395	2.592	3.666	W 1.373	2.029
Stddev	.163	.163	2.25	.166	.146	.255	.169	.138
%RSD	11.99	11.35	11.85	11.92	5.654	6.967	12.32	6.789

#1	1.503	1.582	21.03	1.552	2.741	3.908	1.535	2.161
#2	1.390	1.458	19.30	1.411	2.587	3.693	1.387	2.041
#3	1.182	1.260	16.57	1.221	2.448	3.399	1.197	1.886

Raw Data MA59103 page 104 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56273-S1 Acquired: 8/7/2025 10:15:07 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem Units	W_2079 ppm	Zn2062 ppm	Zr3391 ppm
Avg	1.379	2.562	1.965
Stddev	.163	.289	.134
%RSD	11.78	11.28	6.840

#1	1.533	2.834	2.094
#2	1.395	2.594	1.976
#3	1.209	2.258	1.826

Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5485.8	80831.	23869.	3064.8
Stddev	25.4	46.	214.	19.8
%RSD	.46283	.05664	.89534	.64608

#1	5513.3	80884.	23850.	3077.2
#2	5463.2	80810.	24092.	3042.0
#3	5480.9	80801.	23666.	3075.2

Raw Data MA59103 page 105 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56273-S2 Acquired: 8/7/2025 10:19:56 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm
Avg	.2571	85.25	1.508	1.804	2.321	2.341	-.0111	134.8
Stddev	.0149	4.75	.145	.166	.130	.131	.0061	7.1
%RSD	5.787	5.576	9.641	9.211	5.604	5.600	54.76	5.253

#1	.2731	89.89	1.664	1.983	2.452	2.468	-.0055	141.3
#2	.2544	85.48	1.484	1.773	2.318	2.349	-.0103	135.9
#3	.2437	80.39	1.377	1.655	2.192	2.206	-.0176	127.3

Elem Units	Cd2288 ppm	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm
Avg	1.541	.0683	1.548	2.136	2.623	271.9	41.76	.0560
Stddev	.149	.0153	.147	.138	.192	14.5	2.31	.0041
%RSD	9.651	22.41	9.511	6.441	7.309	5.321	5.544	7.283

#1	1.699	.0851	1.705	2.277	2.820	285.8	44.10	.0591
#2	1.519	.0552	1.526	2.129	2.611	273.0	41.72	.0574
#3	1.404	.0646	1.413	2.002	2.437	256.9	39.47	.0514

Elem Units	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm
Avg	70.38	3.831	1.505	F 1030.	1.843	1.405	1.969	F 1803.
Stddev	3.55	.251	.142	.64.	.178	.141	.199	144.
%RSD	5.043	6.558	9.438	6.238	9.666	10.00	10.08	7.957

#1	73.46	4.087	1.656	1083.	2.034	1.556	2.181	1956.
#2	71.18	3.822	1.484	1048.	1.813	1.380	1.936	1782.
#3	66.50	3.585	1.374	958.6	1.681	1.278	1.788	1671.

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm
Avg	1.468	1.530	20.88	1.480	2.609	3.631	W 1.488	1.998
Stddev	.141	.148	1.97	.142	.152	.246	.149	.133
%RSD	9.578	9.674	9.408	9.571	5.813	6.763	9.984	6.640

#1	1.620	1.689	23.01	1.634	2.761	3.876	1.647	2.134
#2	1.442	1.506	20.50	1.453	2.607	3.631	1.466	1.991
#3	1.342	1.396	19.14	1.354	2.458	3.385	1.352	1.869

Raw Data MA59103 page 106 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56273-S2 Acquired: 8/7/2025 10:19:56 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem Units	W_2079 ppm	Zn2062 ppm	Zr3391 ppm
Avg	1.466	2.734	1.953
Stddev	.132	.268	.132
%RSD	9.032	9.793	6.743

#1	1.607	3.018	2.087
#2	1.447	2.697	1.947
#3	1.344	2.486	1.824

Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5488.5	80907.	23545.	3068.4
Stddev	12.0	309.	277.	4.9
%RSD	.21839	.38213	1.1765	.16070

#1	5499.8	80594.	23812.	3072.7
#2	5489.8	81212.	23259.	3069.6
#3	5475.9	80916.	23564.	3063.0

Raw Data MA59103 page 107 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56273-PS1 Acquired: 8/7/2025 10:24:43 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm
Avg	.2738	65.82	2.044	2.388	1.956	1.981	-.0083	98.49
Stddev	.0005	.14	.005	.001	.004	.005	.0007	.78
%RSD	.1867	.2101	.2365	.0393	.2304	.2391	8.564	.7881

#1	.2741	65.97	2.039	2.388	1.962	1.986	-.0081	99.00
#2	.2742	65.71	2.045	2.386	1.954	1.976	-.0090	97.59
#3	.2732	65.77	2.048	2.388	1.953	1.980	-.0076	98.87

Elem Units	Cd2288 ppm	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm
Avg	2.054	.0828	1.975	2.146	2.882	190.1	35.10	.0429
Stddev	.002	.0012	.003	.005	.013	1.4	.08	.0005
%RSD	.1002	1.412	.1689	.2498	.4510	.7602	.2268	1.255

#1	2.053	.0815	1.973	2.151	2.868	191.7	35.10	.0434
#2	2.054	.0837	1.973	2.145	2.886	188.9	35.03	.0430
#3	2.057	.0833	1.979	2.141	2.893	189.7	35.19	.0423

Elem Units	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm
Avg	53.24	3.576	2.017	F 697.5	2.280	1.617	2.439	F 1088.
Stddev	.25	.007	.003	19.7	.003	.002	.005	6.
%RSD	.4702	.1967	.1551	2.823	.1311	.1316	.2038	.5154

#1	53.45	3.584	2.016	718.1	2.277	1.614	2.433	1094.
#2	52.96	3.572	2.015	678.9	2.279	1.619	2.441	1088.
#3	53.31	3.571	2.021	695.6	2.283	1.617	2.443	1082.

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm
Avg	2.015	2.194	F 27.65	2.005	2.144	3.510	W 1.996	2.046
Stddev	.002	.002	.02	.004	.061	.000	.008	.004
%RSD	.0934	.0979	.0856	.2145	2.831	.0112	.3938	.2141

#1	2.014	2.194	27.68	2.003	2.210	3.510	1.993	2.048
#2	2.018	2.196	27.63	2.002	2.090	3.510	1.990	2.050
#3	2.015	2.192	27.64	2.010	2.133	3.511	2.005	2.041

Raw Data MA59103 page 108 of 267

Sample Name: MP56273-PS1 Acquired: 8/7/2025 10:24:43 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.913	3.226	1.991
Stddev	.011	.005	.006
%RSD	.5900	.1661	.2791

#1	1.903	3.220	1.992
#2	1.911	3.226	1.996
#3	1.925	3.231	1.985

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5824.4	83272.	23787.	3075.5
Stddev	15.3	282.	80.	6.3
%RSD	.26301	.33836	.33729	.20542

#1	5841.8	83137.	23766.	3082.7
#2	5812.8	83083.	23876.	3070.8
#3	5818.7	83596.	23720.	3072.9

Raw Data MA59103 page 109 of 267

Sample Name: CCV Acquired: 8/7/2025 10:30:04 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2378	39.09	1.947	1.933	1.964	1.972	1.889	40.09	1.970
Stddev	.0002	.09	.007	.007	.004	.004	.007	.15	.003
%RSD	.0715	.2208	.3533	.3774	.1886	.1786	.3569	.3636	.1697

#1	2377	39.10	1.941	1.925	1.961	1.974	1.881	40.13	1.967
#2	2380	39.17	1.946	1.939	1.968	1.974	1.891	40.21	1.970
#3	2377	39.00	1.954	1.935	1.964	1.968	1.894	39.92	1.974

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.971	1.984	1.949	1.839	40.09	39.11	1.964	40.16	2.016
Stddev	.001	.002	.002	.005	.08	.05	.006	.23	.002
%RSD	.0392	.0955	.0905	.2702	.2027	.1394	.3156	.5749	.0984

#1	1.971	1.984	1.951	1.833	40.09	39.17	1.958	40.22	2.017
#2	1.971	1.982	1.949	1.841	40.17	39.08	1.971	40.36	2.018
#3	1.972	1.986	1.948	1.843	40.01	39.08	1.963	39.91	2.014

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.935	39.66	2.001	1.950	2.002	2.028	1.927	1.950	4.848
Stddev	.004	.07	.004	.010	.003	.001	.009	.005	.020
%RSD	.2265	.1740	.1871	.5344	.1497	.0641	.4926	.2548	.4111

#1	1.930	39.64	2.000	1.939	2.001	2.030	1.917	1.944	4.825
#2	1.937	39.74	1.997	1.950	2.000	2.028	1.928	1.950	4.862
#3	1.938	39.61	2.005	1.960	2.005	2.027	1.936	1.954	4.857

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

Raw Data MA59103 page 110 of 267

Sample Name: CCV Acquired: 8/7/2025 10:30:04 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.938	1.973	1.926	1.975	1.948	1.955	1.976	1.983
Stddev	.004	.012	.001	.007	.001	.003	.002	.003
%RSD	.2344	.5873	.0426	.3420	.0542	.1483	.1181	.1404

#1	1.935	1.969	1.925	1.969	1.947	1.952	1.977	1.981
#2	1.937	1.986	1.926	1.982	1.949	1.957	1.973	1.986
#3	1.943	1.963	1.926	1.974	1.947	1.956	1.977	1.982

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5587.8	80879.	22742.	3103.7
Stddev	6.3	175.	200.	1.8
%RSD	.11338	.21690	.87832	.05902

#1	5580.5	80782.	22612.	3103.6
#2	5590.8	81082.	22642.	3101.9
#3	5592.0	80774.	22972.	3105.5

Raw Data MA59103 page 111 of 267

Sample Name: CCB Acquired: 8/7/2025 10:34:44 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	-0.0015	.0004	.0050	.0000	.0000	.0020	-0.0029	.0004
Stddev	.0003	.0061	.0014	.0002	.0000	.0000	.0008	.0006	.0004
%RSD	54.46	404.0	381.0	4.534	286.2	96.76	39.31	18.94	110.2

#1	-0.0007	-0.0059	-0.0013	.0052	-0.0000	.0001	.0028	-0.0035	-0.0001
#2	-0.0002	-0.0041	.0010	.0047	.0000	-0.0000	.0021	-0.0030	.0007
#3	-0.0006	.0054	.0014	.0050	.0000	.0001	.0012	-0.0024	.0006

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023	.0002	.0001	.0040	.0022	.0475	-0.0005	.0004	.0001
Stddev	.0028	.0003	.0001	.0002	.0011	.0086	.0007	.0065	.0000
%RSD	120.9	127.2	89.40	5.501	51.57	18.14	152.7	1500.	36.50

#1	.0053	-0.0001	.0001	.0039	.0013	.0574	.0003	.0070	.0001
#2	-0.0003	.0004	.0001	.0039	.0035	.0420	-0.0007	.0004	.0000
#3	.0019	.0003	.0000	.0043	.0018	.0431	-0.0010	-0.0061	.0001

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0552	.0003	-0.0004	.0008	F .0678	.0019	.0012	.0045
Stddev	.0002	.0018	.0002	.0006	.0010	.0205	.0002	.0012	.0008
%RSD	13.82	3.345	60.83	154.9	119.7	30.25	8.615	102.3	18.16

#1	.0019	.0558	.0002	-0.0011	.0001	.0459	.0021	.0026	.0041
#2	.0019	.0566	.0006	-0.0001	.0019	.0866	.0018	.0004	.0055
#3	.0015	.0531	.0002	-0.0000	.0005	.0709	.0019	.0005	.0040

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0500			
Low Limit						-.0500			

Raw Data MA59103 page 112 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: CCB Acquired: 8/7/2025 10:34:44 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0000	.0001	-.0024	-.0000	.0045	.0001	.0006
Stddev	.0008	.0000	.0003	.0036	.0003	.0004	.0003	.0002
%RSD	118.9	319.9	217.3	150.0	605.3	8.873	213.3	25.68
#1	.0003	.0001	.0004	-.0034	.0003	.0043	-.0002	.0006
#2	.0016	.0000	.0002	.0016	-.0002	.0043	.0004	.0004
#3	.0002	-.0000	-.0002	-.0054	-.0002	.0050	.0002	.0007

Check ?
High Limit
Low Limit

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5382.9	81150.	23492.	3129.0
Stddev	3.1	96.	213.	2.7
%RSD	.05796	.11888	.90591	.08535
#1	5386.5	81158.	23396.	3130.3
#2	5381.5	81242.	23344.	3130.7
#3	5380.7	81049.	23736.	3125.9

Raw Data MA59103 page 113 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: EMPTYCONF Acquired: 8/7/2025 10:39:39 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0013	-.0054	-.0015	.0015	-.0002	-.0001	.0009	-.0022	-.0003
Stddev	.0001	.0019	.0001	.0002	.0001	.0000	.0006	.0006	.0001
%RSD	8.332	35.37	8.267	12.56	34.56	18.97	66.89	27.82	23.32
#1	-.0012	-.0065	-.0015	.0015	-.0001	-.0001	.0011	-.0017	-.0003
#2	-.0012	-.0066	-.0016	.0014	-.0003	-.0001	.0002	-.0029	-.0004
#3	-.0014	-.0032	-.0013	.0017	-.0002	-.0001	.0013	-.0021	-.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	.0000	.0001	*****	-.0017	-.0126	-.0017	-.0010	-.0000
Stddev	.0012	.0001	.0001	----	.0007	.0032	.0007	.0033	.0000
%RSD	98.34	176.1	115.8	----	43.16	25.47	43.27	337.1	33.73
#1	.0027	.0001	.0000	----	-.0025	-.0159	-.0024	.0027	-.0000
#2	.0003	.0001	.0000	----	-.0016	-.0123	-.0017	-.0022	-.0000
#3	.0009	-.0000	.0002	----	-.0010	-.0095	-.0010	-.0034	-.0000

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0068	.0004	-.0047	-.0002	-.0035	-.0010	-.0032	-.0086
Stddev	.0001	.0008	.0001	.0001	.0004	.0004	.0002	.0005	.0003
%RSD	36.36	11.81	20.16	1.717	238.7	12.12	24.48	15.29	3.543
#1	-.0001	-.0062	.0003	-.0048	-.0003	-.0030	-.0007	-.0031	-.0085
#2	-.0003	-.0064	.0004	-.0047	-.0004	-.0036	-.0011	-.0038	-.0083
#3	-.0002	-.0077	.0003	-.0047	.0003	-.0039	-.0011	-.0028	-.0089

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0008	-.0001	.0004	.0017	.0002	-.0038	-.0000	.0010
Stddev	.0003	.0000	.0002	.0001	.0000	.0003	.0000	.0000
%RSD	33.73	34.54	38.01	4.734	23.62	6.650	31.89	2.821
#1	-.0007	-.0001	.0003	.0017	.0002	-.0040	-.0000	.0010
#2	-.0012	-.0001	.0005	.0018	.0002	-.0035	-.0000	.0010
#3	-.0006	-.0001	.0006	.0016	.0001	-.0038	-.0001	.0010

Raw Data MA59103 page 114 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: EMPTYCONF Acquired: 8/7/2025 10:39:39 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	19651.	273230.	52351.	12643.
Stddev	104.	3590.	212.	51.
%RSD	.52894	1.3139	.40413	.40161
#1	19604.	275500.	52177.	12617.
#2	19579.	269090.	52587.	12610.
#3	19770.	275100.	52289.	12702.

Raw Data MA59103 page 115 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: EMPTYCONF Acquired: 8/7/2025 10:44:38 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0107	-.0510	-.0204	.0133	-.0018	-.0011	.0112	-.0132	-.0025
Stddev	.0006	.0558	.0020	.0014	.0004	.0002	.0019	.0023	.0002
%RSD	5.460	109.4	10.00	10.49	20.30	17.53	17.13	17.21	8.634
#1	-.0103	-.0315	-.0223	.0117	-.0014	-.0013	.0131	-.0106	-.0025
#2	-.0105	-.0076	-.0182	.0137	-.0020	-.0010	.0113	-.0150	-.0026
#3	-.0114	-.1140	-.0208	.0144	-.0020	-.0010	.0093	-.0141	-.0022

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0010	.0011	*****	-.0202	.0033	-.0156	-.0343	.0000
Stddev	.0072	.0012	.0012	----	.0097	.0561	.0018	.0605	.0001
%RSD	25780.	129.6	112.9	----	48.10	1687.	11.23	176.2	457.2
#1	.0083	.0023	.0025	----	-.0139	.0149	-.0163	-.0776	-.0001
#2	-.0052	.0008	.0001	----	-.0315	-.0576	-.0137	.0348	.0001
#3	-.0030	-.0002	.0007	----	-.0153	.0527	-.0170	-.0602	.0002

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0029	-.1004	.0033	-.0555	.0043	-.0405	-.0124	-.0399	-.0867
Stddev	.0004	.0097	.0018	.0032	.0004	.0028	.0042	.0046	.0032
%RSD	12.45	9.641	54.53	5.773	8.724	7.043	33.54	11.59	3.714
#1	-.0025	-.1025	.0013	-.0591	.0044	-.0378	-.0080	-.0349	-.0859
#2	-.0031	-.1088	.0039	-.0543	.0046	-.0401	-.0129	-.0439	-.0902
#3	-.0031	-.0898	.0047	-.0530	.0039	-.0435	-.0162	-.0410	-.0839

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0100	-.0010	.0050	.0075	.0020	-.0393	-.0002	.0094
Stddev	.0017	.0005	.0006	.0058	.0017	.0010	.0003	.0005
%RSD	17.34	53.34	12.40	76.66	81.80	2.439	165.4	5.687
#1	-.0093	-.0004	.0043	.0133	.0001	-.0383	-.0003	.0098
#2	-.0120	-.0015	.0052	.0017	.0029	-.0394	.0002	.0088
#3	-.0087	-.0011	.0054	.0077	.0031	-.0402	-.0003	.0097

Raw Data MA59103 page 116 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: EMPTYCONF Acquired: 8/7/2025 10:44:38 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	19971.	273310.	51347.	12791.
Stddev	181.	3467.	285.	117.
%RSD	.90664	1.2685	.55516	.91564

#1	19996.	269950.	51377.	12811.
#2	20139.	273120.	51615.	12896.
#3	19779.	276870.	51048.	12665.

Raw Data MA59103 page 117 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56406-MB1 Acquired: 8/7/2025 10:52:50 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5371.9	80651.	23990.	3094.6
Stddev	12.4	134.	81.	10.3
%RSD	.23171	.16632	.33633	.33141

#1	5359.3	80519.	23973.	3086.9
#2	5372.1	80787.	24077.	3090.7
#3	5384.2	80647.	23918.	3106.2

Raw Data MA59103 page 119 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56406-MB1 Acquired: 8/7/2025 10:52:50 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	-0.0040	-0.001	-0.037	-0.001	-0.001	-0.007	-0.033	-0.001
Stddev	.0003	.0054	.0012	.0006	.0001	.0000	.0013	.0006	.0002
%RSD	57.89	133.3	1787.	15.44	128.4	26.46	190.8	18.26	143.0

#1	-0.005	-0.031	-0.012	-0.032	-0.002	-0.001	-0.017	-0.040	-0.003
#2	-0.007	-0.008	-0.010	-0.044	-0.000	-0.001	-0.007	-0.028	-0.000
#3	-0.002	-0.098	-0.004	-0.036	-0.001	-0.001	-0.010	-0.033	-0.000

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.010	.0001	.0001	-0.022	-0.011	.0244	-0.003	.0002	.0000
Stddev	.0008	.0001	.0004	.0005	.0024	.0064	.0006	.0056	.0000
%RSD	84.24	145.7	341.1	22.63	221.3	26.24	182.6	3045.	101.9

#1	-0.011	.0001	.0004	.0027	-0.009	.0289	.0004	.0067	.0001
#2	-0.017	.0001	.0003	.0018	.0012	.0272	-0.007	-0.034	-0.000
#3	-0.001	-0.000	-0.003	.0020	-0.036	.0170	-0.008	-0.027	.0000

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0221	.0004	.0013	-0.010	.0161	.0010	.0017	.0113
Stddev	.0001	.0032	.0003	.0006	.0008	.0021	.0003	.0007	.0008
%RSD	47.22	14.52	72.58	44.61	83.22	12.86	30.60	41.23	7.274

#1	.0002	.0250	.0001	.0010	-0.000	.0148	.0007	.0021	.0107
#2	.0002	.0187	.0005	.0010	-0.014	.0185	.0013	.0021	.0122
#3	.0004	.0226	.0006	.0020	-0.015	.0150	.0009	.0009	.0109

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.004	-0.001	.0002	.0004	-0.000	-0.007	.0016	.0004	
Stddev	.0012	.0000	.0003	.0008	.0003	.0010	.0000	.0001	
%RSD	307.9	53.42	125.8	226.8	733.5	152.3	2.366	27.20	

#1	.0007	-0.001	.0002	.0011	-0.002	.0004	.0016	.0003	
#2	-0.017	-0.000	.0005	-0.005	.0003	-0.007	.0016	.0003	
#3	-0.002	-0.001	-0.000	.0005	-0.002	-0.017	.0017	.0005	

Raw Data MA59103 page 118 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56406-LB1 Acquired: 8/7/2025 10:57:46 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	.0007	-0.015	.0128	.0017	.0000	.0012	.3347	-0.000
Stddev	.0001	.0081	.0002	.0004	.0001	.0000	.0012	.0015	.0000
%RSD	28.97	1206.	13.43	2.806	4.448	5025.	100.3	4.469	314.4

#1	-0.004	.0087	-0.014	.0126	.0017	-0.000	.0025	.3338	.0000
#2	-0.003	.0008	-0.014	.0132	.0016	-0.000	.0003	.3364	-0.000
#3	-0.005	-0.074	-0.018	.0126	.0018	.0001	.0007	.3339	-0.001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	-0.002	.0012	.0036	.0128	1.500	.0001	.0238	.0009
Stddev	.0019	.0001	.0002	.0006	.0014	.012	.0004	.0060	.0001
%RSD	416.5	35.35	13.39	16.40	10.57	.7885	286.3	25.32	6.077

#1	.0011	-0.002	.0013	.0042	.0141	1.490	.0004	.0302	.0009
#2	-0.025	-0.001	.0013	.0035	.0130	1.496	-0.003	.0182	.0008
#3	.0001	-0.002	.0010	.0030	.0114	1.513	.0002	.0231	.0009

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	F 1205.	.0022	.1067	.0016	.0472	-0.006	.0029	.1543
Stddev	.0002	.30.	.0005	.0005	.0003	.0017	.0005	.0014	.0061
%RSD	23.80	2.513	22.35	.4959	19.30	3.667	75.80	48.73	3.977

#1	.0008	1204.	.0028	.1072	.0019	.0456	-0.009	.0040	.1614
#2	.0005	1235.	.0018	.1067	.0013	.0491	-0.001	.0013	.1504
#3	.0006	1175.	.0021	.1062	.0016	.0470	-0.009	.0034	.1512

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	.0030	.0020	.0008	-0.024	-0.001	-0.021	.0144	.0003	
Stddev	.0011	.0000	.0005	.0012	.0003	.0017	.0001	.0001	
%RSD	35.00	.8198	67.88	50.64	566.2	78.80	.5117	43.85	

#1	.0027	.0020	.0012	-0.033	.0003	-0.003	.0144	.0003	
#2	.0021	.0020	.0009	-0.030	-0.003	-0.037	.0143	.0005	
#3	.0042	.0020	.0002	-0.010	-0.002	-0.024	.0144	.0002	

Raw Data MA59103 page 120 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56406-LB1 Acquired: 8/7/2025 10:57:46 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5642.2	85866.	23090.	3197.6
Stddev	15.9	424.	145.	9.0
%RSD	.28248	.49419	.62780	.28173

#1	5625.1	86132.	23244.	3187.3
#2	5656.7	85377.	22956.	3204.2
#3	5644.7	86090.	23072.	3201.2

Raw Data MA59103 page 121 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56406-B1 Acquired: 8/7/2025 11:02:48 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Cs3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2529	23.77	1.945	1.885	1.911	1.932	-0.076	24.24
Stddev	.0004	.06	.008	.006	.003	.003	.0006	.17
%RSD	.1398	.2378	.3996	.3438	.1786	.1361	8.471	.7197

#1	2533	23.80	1.954	1.892	1.913	1.934	-0.078	24.35
#2	2528	23.80	1.940	1.879	1.913	1.932	-0.082	24.34
#3	2527	23.70	1.941	1.884	1.907	1.929	-0.069	24.04

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.936	.0036	1.950	1.910	1.789	24.07	23.69	-0.0001
Stddev	.005	.0005	.001	.004	.001	.10	.04	.0004
%RSD	.2401	14.14	.0574	.1831	.0446	.3973	.1846	266.1

#1	1.942	.0030	1.949	1.912	1.790	24.11	23.74	-0.006
#2	1.933	.0038	1.951	1.913	1.790	24.13	23.67	.0000
#3	1.934	.0040	1.951	1.907	1.789	23.96	23.67	.0001

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.84	1.962	1.925	24.27	1.965	-0.0063	1.946	-0.0062
Stddev	.21	.005	.002	.01	.002	.0005	.002	.0021
%RSD	.8964	.2442	.0986	.0500	.0914	7.380	.1206	33.34

#1	23.98	1.960	1.926	24.29	1.963	-0.0064	1.946	-0.0086
#2	23.94	1.968	1.923	24.27	1.966	-0.0067	1.948	-0.0052
#3	23.59	1.959	1.925	24.26	1.965	-0.0058	1.944	-0.0049

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.918	1.913	-0.0018	1.920	1.895	1.913	W 1.910	1.901
Stddev	.005	.005	.0009	.002	.070	.001	.004	.002
%RSD	.2763	.2830	50.57	.0937	3.692	.0546	.2217	.1166

#1	1.924	1.917	-0.0009	1.921	1.910	1.913	1.906	1.901
#2	1.915	1.907	-0.0018	1.918	1.819	1.914	1.914	1.904
#3	1.914	1.914	-0.0027	1.921	1.957	1.912	1.910	1.900

Raw Data MA59103 page 122 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56406-B1 Acquired: 8/7/2025 11:02:48 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.830	1.951	1.962
Stddev	.004	.001	.004
%RSD	.1974	.0456	.2133

#1	1.833	1.951	1.959
#2	1.826	1.952	1.967
#3	1.832	1.951	1.960

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5474.6	79851.	23637.	3045.3
Stddev	14.7	300.	181.	13.6
%RSD	.26889	.37543	.76676	.44608

#1	5458.0	80197.	23501.	3029.7
#2	5486.2	79685.	23566.	3054.6
#3	5479.5	79671.	23842.	3051.7

Raw Data MA59103 page 123 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56406-LS1 Acquired: 8/7/2025 11:07:31 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Cs3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2606	23.58	1.872	1.868	1.879	1.906	-0.070	23.88
Stddev	.0005	.05	.011	.013	.004	.001	.0011	.12
%RSD	.1812	.2223	.5866	.7155	.2203	.0497	15.44	.5188

#1	2610	23.52	1.876	1.875	1.877	1.906	-0.058	23.74
#2	2605	23.59	1.881	1.877	1.876	1.906	-0.077	23.95
#3	2601	23.62	1.860	1.853	1.863	1.905	-0.076	23.95

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.933	-0.0007	1.916	1.824	1.955	24.03	26.01	.0001
Stddev	.012	.0020	.007	.006	.003	.08	.04	.0003
%RSD	.6086	287.2	.3507	.3139	.1346	.3160	.1463	258.1

#1	1.939	-0.0026	1.918	1.820	1.958	23.97	26.01	-0.000
#2	1.942	-0.0010	1.922	1.830	1.953	24.11	26.04	.0005
#3	1.920	.0015	1.909	1.821	1.956	24.00	25.97	-0.001

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.00	1.889	1.885	F 1177.	1.921	1.054	1.963	0.326
Stddev	.14	.005	.009	.43	.007	.0006	.004	.0014
%RSD	.6277	.2891	.4910	3.666	.3500	.6152	.1805	4.227

#1	22.84	1.882	1.886	1195.	1.922	.1049	1.965	0.313
#2	23.12	1.891	1.893	1208.	1.927	.1051	1.964	0.324
#3	23.05	1.892	1.875	1127.	1.914	.1061	1.958	0.340

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.895	1.914	1.396	1.896	1.911	1.864	W 2.011	1.846
Stddev	.011	.011	.0007	.008	.027	.003	.013	.003
%RSD	.5925	.5931	.5007	.4318	1.416	.1458	.6515	.1706

#1	1.897	1.917	1.400	1.897	1.900	1.862	2.013	1.842
#2	1.905	1.924	1.400	1.904	1.941	1.867	2.024	1.848
#3	1.883	1.902	1.388	1.888	1.890	1.863	1.997	1.846

Raw Data MA59103 page 124 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56406-LS1 Acquired: 8/7/2025 11:07:31 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	W_2079 ppm	Zn2062 ppm	Zr3391 ppm
Avg	1.880	1.813	1.927
Stddev	.009	.005	.004
%RSD	.4927	.2713	.2024

#1	1.883	1.814	1.923
#2	1.887	1.817	1.926
#3	1.869	1.808	1.931

Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5712.1	85136.	23357.	3165.5
Stddev	23.2	176.	195.	17.0
%RSD	.40543	.20731	.83681	.53587

#1	5707.1	85312.	23478.	3160.1
#2	5691.9	84959.	23132.	3152.0
#3	5737.4	85135.	23463.	3184.5

Raw Data MA59103 page 125 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56377-S1 Acquired: 8/7/2025 11:12:22 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem Units	W_2079 ppm	Zn2062 ppm	Zr3391 ppm
Avg	1.778	3.228	2.060
Stddev	.089	.165	.107
%RSD	4.994	5.113	5.174

#1	1.872	3.400	2.171
#2	1.767	3.211	2.050
#3	1.695	3.071	1.959

Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5422.6	80878.	23797.	3055.4
Stddev	3.5	181.	113.	3.1
%RSD	.06545	.22352	.47563	.10006

#1	5422.7	81072.	23898.	3058.0
#2	5426.1	80714.	23675.	3056.1
#3	5419.0	80848.	23817.	3052.0

Raw Data MA59103 page 127 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56377-S1 Acquired: 8/7/2025 11:12:22 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm
Avg	2.677	91.88	1.796	2.157	2.445	2.413	-0.031	143.3
Stddev	.0087	5.22	.082	.102	.142	.140	.0121	8.1
%RSD	3.239	5.680	4.579	4.738	5.818	5.807	36.58	5.662

#1	.2764	97.12	1.870	2.259	2.591	2.555	-.0394	151.4
#2	.2678	91.85	1.811	2.158	2.440	2.409	-.0408	143.2
#3	.2590	86.68	1.707	2.054	2.306	2.275	-.0192	135.2

Elem Units	Cd2288 ppm	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm
Avg	1.801	.0571	1.831	2.258	2.669	299.5	44.97	.0616
Stddev	.093	.0223	.095	.124	.142	17.5	2.45	.0064
%RSD	5.166	38.96	5.163	5.475	5.341	5.840	5.457	10.37

#1	1.896	.0813	1.926	2.382	2.821	317.0	47.56	.0680
#2	1.797	.0527	1.830	2.258	2.646	299.3	44.68	.0617
#3	1.710	.0374	1.737	2.135	2.539	282.0	42.68	.0552

Elem Units	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm
Avg	75.28	4.069	1.779	1102.	2.200	1.696	2.321	F 2335.
Stddev	4.39	.212	.090	70.	.119	.086	.126	108.
%RSD	5.827	5.211	5.078	6.314	5.394	5.098	5.426	4.604

#1	79.61	4.286	1.867	1142.	2.324	1.783	2.450	2445.
#2	75.40	4.058	1.783	1141.	2.188	1.695	2.314	2332.
#3	70.84	3.862	1.687	1021.	2.087	1.610	2.199	2230.

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm
Avg	1.733	1.801	29.41	1.725	2.724	3.933	W 1.728	2.109
Stddev	.108	.098	1.48	.084	.158	.207	.110	.112
%RSD	6.231	5.455	5.026	4.884	5.791	5.275	6.361	5.315

#1	1.838	1.900	30.91	1.813	2.886	4.147	1.841	2.220
#2	1.738	1.800	29.39	1.715	2.716	3.919	1.723	2.109
#3	1.623	1.703	27.95	1.646	2.570	3.733	1.621	1.996

Raw Data MA59103 page 126 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56377-S2 Acquired: 8/7/2025 11:17:06 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm
Avg	3.165	105.9	1.881	2.281	2.693	2.679	-0.047	164.2
Stddev	.0116	4.1	.299	.351	.106	.106	.0202	6.0
%RSD	3.677	3.918	15.88	15.41	3.947	3.947	47.40	3.672

#1	.3274	110.1	2.181	2.645	2.803	2.786	-.0490	170.3
#2	.3178	105.7	1.878	2.255	2.686	2.677	-.0590	164.1
#3	.3043	101.8	1.583	1.943	2.590	2.575	-.0200	158.2

Elem Units	Cd2288 ppm	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm
Avg	1.863	.0673	1.893	2.709	3.281	344.5	50.51	.0760
Stddev	.292	.0154	.293	.108	.150	13.1	1.63	.0039
%RSD	15.65	22.88	15.49	3.971	4.574	3.796	3.217	5.166

#1	2.161	.0786	2.194	2.816	3.423	357.9	52.04	.0805
#2	1.848	.0497	1.877	2.710	3.297	343.8	50.69	.0735
#3	1.579	.0736	1.608	2.601	3.124	331.8	48.81	.0739

Elem Units	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm
Avg	84.64	4.931	1.845	1289.	2.283	1.866	2.439	F 2546.
Stddev	2.95	.204	.291	55.	.352	.303	.376	355.
%RSD	3.483	4.133	15.77	4.288	15.42	16.22	15.42	13.95

#1	87.55	5.132	2.144	1340.	2.641	2.173	2.831	2906.
#2	84.71	4.937	1.830	1298.	2.272	1.860	2.406	2537.
#3	81.66	4.724	1.562	1231.	1.937	1.567	2.081	2196.

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm
Avg	1.791	1.864	32.94	1.795	3.051	4.857	W 1.782	2.509
Stddev	.272	.282	5.14	.274	.120	.190	.258	.101
%RSD	15.17	15.15	15.61	15.25	3.944	3.919	14.50	4.026

#1	2.074	2.151	38.18	2.079	3.176	5.044	2.046	2.610
#2	1.767	1.855	32.74	1.773	3.042	4.865	1.769	2.508
#3	1.532	1.587	27.90	1.533	2.936	4.663	1.530	2.408

Raw Data MA59103 page 128 of 267

Sample Name: MP56377-S2 Acquired: 8/7/2025 11:17:06 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem Units	W_2079 ppm	Zn2062 ppm	Zr3391 ppm	
Avg	1.844	3.419	2.441	
Stddev	.273	.523	.099	
%RSD	14.82	15.30	4.057	
#1	2.131	3.956	2.539	
#2	1.814	3.390	2.441	
#3	1.587	2.911	2.341	
Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5468.5	81046.	24280.	3062.1
Stddev	7.9	160.	112.	9.3
%RSD	.14465	.19776	.46197	.30511
#1	5468.5	80862.	24367.	3053.5
#2	5460.6	81121.	24153.	3060.7
#3	5476.4	81155.	24319.	3072.0

Raw Data MA59103 page 129 of 267

Sample Name: JE16402-1 Acquired: 8/7/2025 11:21:56 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm	Cd2288 ppm
Avg	.0005	72.32	.0533	.4974	.0486	.0058	-.0078	129.7	.0119
Stddev	.0027	3.48	.0181	.0774	.0026	.0004	.0179	6.6	.0041
%RSD	538.1	4.814	33.97	15.56	5.313	7.377	228.5	5.075	34.61
#1	-.0018	75.90	.0705	.5786	.0514	.0063	.0097	136.9	.0154
#2	-.0002	72.09	.0552	.4891	.0482	.0057	-.0070	128.5	.0128
#3	.0035	68.95	.0344	.4245	.0463	.0054	-.0261	123.9	.0074
Elem Units	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm	Mg2790 ppm	Mn2576 ppm
Avg	.0471	.0473	.3388	1.065	306.4	17.16	.0709	51.82	2.387
Stddev	.0160	.0061	.0179	.061	15.3	.97	.0030	2.76	.117
%RSD	33.97	12.99	5.289	5.759	4.998	5.677	4.251	5.335	4.924
#1	.0599	.0536	.3519	1.126	322.4	18.05	.0741	54.88	2.506
#2	.0523	.0470	.3461	1.065	304.9	17.31	.0682	51.08	2.383
#3	.0292	.0413	.3184	1.003	291.9	16.11	.0703	49.50	2.271
Elem Units	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm
Avg	.0283	1242.	.4143	1.800	.5852	2462.	.0196	.0215	31.78
Stddev	.0053	69.	.0642	.293	.0887	332.	.0070	.0039	4.81
%RSD	18.71	5.521	15.49	16.30	15.15	13.49	35.71	17.96	15.14
#1	.0325	1306.	.4796	2.101	.6768	2802.	.0276	.0248	36.74
#2	.0301	1251.	.4119	1.783	.5790	2443.	.0147	.0223	31.46
#3	.0224	1170.	.3514	1.515	.4999	2139.	.0166	.0173	27.14
Elem Units	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	W_2079 ppm	Zn2062 ppm	Zr3391 ppm	
Avg	.0112	.3635	2.380	-.0237	.1642	.0048	1.553	.0207	
Stddev	.0082	.0153	.123	.0126	.0094	.0075	.227	.0011	
%RSD	73.34	4.202	5.149	52.95	5.746	157.2	14.63	5.547	
#1	.0038	.3790	2.502	-.0279	.1750	.0060	1.787	.0216	
#2	.0200	.3630	2.381	-.0096	.1602	.0115	1.538	.0211	
#3	.0097	.3484	2.257	-.0337	.1575	-.0033	1.333	.0194	

Raw Data MA59103 page 130 of 267

Sample Name: JE16402-1 Acquired: 8/7/2025 11:21:56 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5427.1	81708.	24349.	3045.7
Stddev	5.3	193.	372.	7.1
%RSD	.09842	.23589	1.5281	.23300
#1	5424.8	81554.	23926.	3037.7
#2	5433.2	81647.	24623.	3051.1
#3	5423.3	81924.	24499.	3048.3

Raw Data MA59103 page 131 of 267

Sample Name: MP56377-SD1 Acquired: 8/7/2025 11:26:48 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm	Cd2288 ppm
Avg	-.0156	73.37	.0501	.5859	.0377	.0022	-.0055	132.8	.0082
Stddev	.0086	2.85	.0345	.0709	.0040	.0023	.0023	5.6	.0057
%RSD	55.18	3.884	68.95	12.09	10.65	101.9	1781.	4.207	69.44
#1	-.0157	76.06	.0148	.6502	.0423	.0045	.0653	137.9	.0143
#2	-.0241	73.66	.0517	.5976	.0359	.0023	.0355	133.8	.0071
#3	-.0069	70.38	.0838	.5099	.0349	-.0001	-.1173	126.8	.0031
Elem Units	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm	Mg2790 ppm	Mn2576 ppm
Avg	.1120	.0510	.3548	1.071	308.6	19.28	.0429	52.69	2.522
Stddev	.1346	.0145	.0213	.047	12.6	.59	.0523	2.32	.088
%RSD	120.2	28.39	6.004	4.344	4.091	3.062	122.0	4.409	3.490
#1	.2671	.0568	.3628	1.115	320.9	19.37	-.0175	54.82	2.610
#2	.0415	.0616	.3711	1.076	309.3	19.82	.0714	53.05	2.523
#3	.0273	.0345	.3307	1.023	295.7	18.65	.0747	50.21	2.434
Elem Units	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm
Avg	.0401	1243.	.4349	1.790	.6587	2648.	-.0042	-.0228	31.68
Stddev	.0176	49.	.1015	.324	.1201	519.	.0992	.0892	6.43
%RSD	43.94	3.927	23.34	18.12	18.24	19.62	2335.	390.9	20.31
#1	.0410	1289.	.5375	2.139	.7974	3182.	.0662	-.0102	38.27
#2	.0220	1248.	.4325	1.732	.5912	2619.	.0387	-.1176	31.35
#3	.0572	1192.	.3346	1.498	.5875	2144.	-.1176	.0594	25.41
Elem Units	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	W_2079 ppm	Zn2062 ppm	Zr3391 ppm	
Avg	.0151	.3705	2.464	-.0615	.1544	-.0000	1.617	.0261	
Stddev	.0335	.0160	.106	.0446	.0021	.0684	.323	.0055	
%RSD	222.4	4.327	4.306	72.47	1.340	175000.	20.01	20.90	
#1	-.0049	.3861	2.572	-.1112	.1563	.0307	1.954	.0272	
#2	.0537	.3715	2.460	-.0484	.1522	.0476	1.587	.0310	
#3	-.0037	.3540	2.360	-.0250	.1546	-.0784	1.309	.0202	

Raw Data MA59103 page 132 of 267

Sample Name: MP56377-SD1 Acquired: 8/7/2025 11:26:48 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5392.7	81011.	24239.	3068.5
Stddev	20.3	320.	166.	9.6
%RSD	.37628	.39545	.68513	.31295
#1	5415.8	80962.	24309.	3079.5
#2	5384.7	81352.	24050.	3063.7
#3	5377.7	80717.	24359.	3062.2

Check ?
Value
Range

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.977	2.005	1.965	1.888	39.31	39.62	1.987	39.03	2.015
Stddev	.005	.004	.005	.001	.05	.03	.002	.08	.001
%RSD	.2424	.1890	.2402	.0496	.1357	.0661	.0910	.2015	.0614
#1	1.974	2.004	1.969	1.887	39.29	39.64	1.985	39.04	2.014
#2	1.975	2.003	1.967	1.889	39.38	39.61	1.988	39.11	2.014
#3	1.983	2.010	1.960	1.888	39.27	39.59	1.988	38.95	2.016

Check ?
Value
Range

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.968	39.93	2.016	1.984	1.998	2.021	1.967	1.988	4.960
Stddev	.002	.05	.000	.003	.000	.004	.003	.004	.003
%RSD	.0778	.1186	.0208	.1243	.0202	.2167	.1641	.1761	.0635
#1	1.968	39.88	2.016	1.986	1.998	2.025	1.964	1.990	4.962
#2	1.966	39.96	2.016	1.985	1.998	2.022	1.967	1.989	4.956
#3	1.969	39.96	2.016	1.981	1.998	2.016	1.970	1.984	4.962

Check ?
Value
Range

Raw Data MA59103 page 133 of 267

Sample Name: CCV Acquired: 8/7/2025 11:31:39 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.968	1.974	1.954	1.976	1.963	1.971	2.001	1.990
Stddev	.001	.005	.004	.003	.001	.002	.003	.002
%RSD	.0604	.2775	.1891	.1707	.0640	.0938	.1574	.1155
#1	1.967	1.969	1.957	1.976	1.964	1.970	1.998	1.987
#2	1.969	1.975	1.954	1.973	1.964	1.973	2.000	1.991
#3	1.969	1.980	1.950	1.979	1.962	1.971	2.004	1.992

Check ?
Value
Range

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5563.8	81046.	23584.	3058.1
Stddev	8.9	252.	74.	5.6
%RSD	.16079	.31074	.31221	.18295
#1	5554.2	80871.	23590.	3051.6
#2	5572.0	81335.	23507.	3061.7
#3	5565.1	80934.	23654.	3060.9

Check ?
Value
Range

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.968	2.003	1.965	1.888	39.31	39.62	1.987	39.03	2.015
Stddev	.002	.004	.001	.004	.023	.026	.005	.084	.000
%RSD	41.43	122.7	380.9	12.73	87.22	76.66	96.55	1270.	3.972
#1	1.968	2.000	1.965	1.888	39.31	39.62	1.987	39.03	2.015
#2	1.968	2.002	1.967	1.889	39.38	39.61	1.988	39.11	2.014
#3	1.974	2.008	1.961	1.891	39.27	39.59	1.988	38.95	2.016

Check ?
Value
Range

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.968	39.93	2.016	1.984	1.998	2.021	1.967	1.988	4.960
Stddev	.002	.061	.002	.014	.009	.030	.006	.002	.004
%RSD	15.01	11.98	166.7	171.7	82.85	21.06	211.1	135.9	11.11
#1	1.968	39.93	2.016	1.984	1.998	2.021	1.967	1.988	4.960
#2	1.968	39.93	2.016	1.984	1.998	2.021	1.967	1.988	4.960
#3	1.968	39.93	2.016	1.984	1.998	2.021	1.967	1.988	4.960

Raw Data MA59103 page 135 of 267

Sample Name: CCV Acquired: 8/7/2025 11:31:39 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2420	39.37	1.997	1.977	1.980	1.995	1.940	39.61	2.010
Stddev	.001	.04	.004	.001	.002	.002	.005	.08	.000
%RSD	.0579	.0958	.1762	.0459	.0778	.1117	.2361	.2024	.0210
#1	2419	39.36	1.993	1.976	1.978	1.993	1.939	39.67	2.010
#2	2419	39.42	1.999	1.978	1.981	1.996	1.937	39.63	2.010
#3	2421	39.34	1.998	1.978	1.981	1.997	1.946	39.51	2.011

Check ?
Value
Range

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.977	2.005	1.965	1.888	39.31	39.62	1.987	39.03	2.015
Stddev	.005	.004	.005	.001	.05	.03	.002	.08	.001
%RSD	.2424	.1890	.2402	.0496	.1357	.0661	.0910	.2015	.0614
#1	1.974	2.004	1.969	1.887	39.29	39.64	1.985	39.04	2.014
#2	1.975	2.003	1.967	1.889	39.38	39.61	1.988	39.11	2.014
#3	1.983	2.010	1.960	1.888	39.27	39.59	1.988	38.95	2.016

Check ?
Value
Range

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.968	39.93	2.016	1.984	1.998	2.021	1.967	1.988	4.960
Stddev	.002	.05	.000	.003	.000	.004	.003	.004	.003
%RSD	.0778	.1186	.0208	.1243	.0202	.2167	.1641	.1761	.0635
#1	1.968	39.88	2.016	1.986	1.998	2.025	1.964	1.990	4.962
#2	1.966	39.96	2.016	1.985	1.998	2.022	1.967	1.989	4.956
#3	1.969	39.96	2.016	1.981	1.998	2.016	1.970	1.984	4.962

Check ?
Value
Range

Raw Data MA59103 page 134 of 267

Sample Name: CCB Acquired: 8/7/2025 11:36:19 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2420	39.37	1.997	1.977	1.980	1.995	1.940	39.61	2.010
Stddev	.001	.04	.004	.001	.002	.002	.005	.08	.000
%RSD	44.05	430.7	19.67	2.257	54.52	74.32	92.98	244.8	104.4
#1	2419	39.36	1.993	1.976	1.978	1.993	1.939	39.67	2.010
#2	2419	39.42	1.999	1.978	1.981	1.996	1.937	39.63	2.010
#3	2421	39.34	1.998	1.978	1.981	1.997	1.946	39.51	2.011

Check ?
Value
Range

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.977	2.005	1.965	1.888	39.31	39.62	1.987	39.03	2.015
Stddev	.005	.004	.005	.001	.05	.03	.002	.08	.001
%RSD	41.43	122.7	380.9	12.73	87.22	76.66	96.55	1270.	3.972
#1	1.974	2.004	1.969	1.887	39.29	39.64	1.985	39.04	2.014
#2	1.975	2.003	1.967	1.889	39.38	39.61	1.988	39.11	2.014
#3	1.983	2.010	1.960	1.888	39.27	39.59	1.988	38.95	2.016

Check ?
Value
Range

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.968	39.93	2.016	1.984	1.998	2.021	1.967	1.988	4.960
Stddev	.002	.061	.002	.014	.009	.030	.006	.002	.004
%RSD	15.01	11.98	166.7	171.7	82.85	21.06	211.1	135.9	11.11
#1	1.968	39.93	2.016	1.984	1.998	2.021	1.967	1.988	4.960
#2	1.968	39.93	2.016	1.984	1.998	2.021	1.967	1.988	4.960
#3	1.968	39.93	2.016	1.984	1.998	2.021	1.967	1.988	4.960

Check ?
Value
Range

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.968	39.93	2.016	1.984	1.998	2.021	1.967	1.988	4.960
Stddev	.002	.061	.002	.014	.009	.030	.006	.002	.004
%RSD	15.01	11.98	166.7	171.7	82.85	21.06	211.1	135.9	11.11
#1	1.968	39.93	2.016	1.984	1.998	2.021	1.967	1.988	4.960
#2	1.968	39.93	2.016	1.984	1.998	2.021	1.967	1.988	4.960
#3	1.968	39.93	2.016	1.984	1.998	2.021	1.967	1.988	4.960

Raw Data MA59103 page 136 of 267

Sample Name: CCB Acquired: 8/7/2025 11:36:19 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0001	.0004	-0.0004	-0.0000	-0.0006	.0002	.0004
Stddev	.0005	.0001	.0001	.0013	.0001	.0016	.0002	.0002
%RSD	244.0	63.23	27.45	285.4	876.3	262.4	79.83	43.07
#1	.0005	.0002	.0005	-0.0002	.0001	-0.0020	.0001	.0004
#2	-0.0004	.0001	.0003	-0.0018	-0.0001	-0.0009	.0002	.0002
#3	.0004	.0001	.0003	.0007	-0.0000	.0011	.0004	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								
Int. Std.	In2306	Y_3600	Y_3710	Y_2243				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	5351.3	80402.	23624.	3099.8				
Stddev	2.9	477.	412.	4.7				
%RSD	.05391	.59300	1.7444	.15279				
#1	5350.2	80893.	23375.	3094.3				
#2	5354.6	79941.	24100.	3102.0				
#3	5349.1	80371.	23399.	3103.0				

Raw Data MA59103 page 137 of 267

Sample Name: MP56406-S1 Acquired: 8/7/2025 11:41:15 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2645	26.02	1.960	1.984	2.221	2.021	-0.168	106.2
Stddev	.0031	.09	.005	.004	.008	.006	.0013	.2
%RSD	1.167	.3268	.2820	.2219	.3421	.3157	7.635	.2296
#1	.2647	26.05	1.961	1.987	2.223	2.026	-0.157	106.1
#2	.2675	26.08	1.954	1.979	2.227	2.023	-0.182	106.5
#3	.2614	25.92	1.965	1.986	2.213	2.013	-0.165	106.1
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.034	.0008	2.051	1.951	1.795	25.66	27.16	-0.0021
Stddev	.007	.0128	.006	.009	.009	.07	.17	.0007
%RSD	.3580	1678.	.3178	.4467	.4742	.2810	.6174	32.70
#1	2.043	-0.0098	2.058	1.960	1.800	25.68	27.35	-0.0025
#2	2.030	.0150	2.050	1.949	1.799	25.72	27.13	-0.0024
#3	2.030	-0.0029	2.045	1.943	1.785	25.58	27.02	-0.0013
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	38.98	2.382	1.988	F 1340.	2.086	.0083	2.072	2.255
Stddev	.08	.006	.005	22.	.006	.0011	.014	.009
%RSD	.1992	.2672	.2452	1.617	.2815	13.34	.6595	.3969
#1	38.95	2.389	1.993	1329.	2.093	.0071	2.088	2.254
#2	39.07	2.377	1.983	1364.	2.084	.0085	2.062	2.246
#3	38.93	2.381	1.988	1325.	2.082	.0093	2.067	2.264
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.956	1.966	2.502	1.976	2.248	1.942	W 2.062	1.950
Stddev	.007	.006	.002	.007	.007	.006	.018	.007
%RSD	.3642	.3154	.0628	.3809	.3334	.2932	.8613	.3409
#1	1.964	1.965	2.502	1.982	2.251	1.948	2.082	1.958
#2	1.951	1.960	2.501	1.968	2.254	1.940	2.050	1.947
#3	1.952	1.973	2.504	1.977	2.240	1.937	2.052	1.946

Raw Data MA59103 page 138 of 267

Sample Name: MP56406-S1 Acquired: 8/7/2025 11:41:15 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	
Avg	1.981	2.139	2.034	
Stddev	.010	.004	.003	
%RSD	.4977	.1790	.1242	
#1	1.990	2.143	2.035	
#2	1.981	2.136	2.031	
#3	1.971	2.139	2.036	
Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5631.5	83825.	23574.	3191.9
Stddev	27.9	316.	71.	17.9
%RSD	.49508	.37640	.30156	.56054
#1	5657.0	83831.	23650.	3206.5
#2	5635.7	84138.	23509.	3197.3
#3	5601.7	83507.	23562.	3172.0

Raw Data MA59103 page 139 of 267

Sample Name: MP56406-S2 Acquired: 8/7/2025 11:46:04 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2581	24.73	1.913	1.898	2.150	1.954	-0.166	104.3
Stddev	.0025	.07	.019	.015	.005	.006	.0074	.5
%RSD	.9876	.2937	.9707	.8079	.2199	.3284	44.63	.4352
#1	.2562	24.79	1.930	1.908	2.155	1.960	-0.0205	104.5
#2	.2610	24.75	1.914	1.905	2.149	1.955	-0.0212	104.6
#3	.2570	24.65	1.893	1.880	2.145	1.947	-0.0080	103.7
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.959	-0.0129	1.983	1.884	1.718	25.19	26.45	-0.0019
Stddev	.011	.0060	.012	.003	.004	.09	.22	.0010
%RSD	.5547	46.77	.6032	.1642	.2206	.3648	.8195	50.64
#1	1.965	-0.0071	1.994	1.894	1.721	25.28	26.70	-0.0008
#2	1.966	-0.0192	1.986	1.891	1.719	25.17	26.37	-0.0026
#3	1.947	-0.0125	1.970	1.897	1.714	25.10	26.29	-0.0024
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	38.19	2.308	1.929	F 1321.	2.017	.0102	2.006	2.456
Stddev	.26	.002	.010	8.	.012	.0054	.017	.010
%RSD	.6934	.0745	.5266	.6073	.6037	52.68	.8597	.3940
#1	38.37	2.307	1.935	1330.	2.029	.0151	2.017	2.457
#2	38.32	2.310	1.934	1314.	2.019	.0112	2.015	2.465
#3	37.89	2.308	1.917	1320.	2.005	.0044	1.986	2.446
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.904	1.909	2.383	1.917	2.171	1.892	W 1.992	1.888
Stddev	.008	.020	.013	.016	.007	.005	.014	.001
%RSD	.4344	1.054	.5531	.8538	.3082	.2503	.7184	.0518
#1	1.901	1.894	2.392	1.925	2.178	1.897	1.998	1.889
#2	1.913	1.932	2.390	1.928	2.170	1.889	2.002	1.887
#3	1.897	1.901	2.368	1.899	2.164	1.889	1.976	1.889

Raw Data MA59103 page 140 of 267

Sample Name: MP56406-S2 Acquired: 8/7/2025 11:46:04 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	W_2079 ppm	Zn2062 ppm	Zr3391 ppm	
Avg	1.911	2.062	1.983	
Stddev	.012	.008	.003	
%RSD	.6116	.3768	.1304	
#1	1.922	2.066	1.980	
#2	1.913	2.066	1.985	
#3	1.899	2.053	1.984	
Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5608.2	83105.	23353.	3183.1
Stddev	11.3	143.	85.	6.4
%RSD	.20171	.17160	.36325	.19954
#1	5615.6	83124.	23352.	3188.3
#2	5595.2	82954.	23268.	3176.0
#3	5613.9	83238.	23437.	3185.0

Raw Data MA59103 page 141 of 267

Sample Name: JE16283-1 Acquired: 8/7/2025 11:50:53 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm	Cd2288 ppm
Avg	-0.0018	.1207	-0.0036	.0326	.2444	.0002	-0.0096	94.92	.0002
Stddev	.0011	.0365	.0024	.0022	.0125	.0002	.0034	4.20	.0003
%RSD	58.98	30.27	66.86	6.728	5.101	87.64	35.71	4.423	103.7
#1	-.0029	.1140	-.0008	.0348	.2572	.0003	-.0112	99.13	.0001
#2	-.0016	.1601	-.0048	.0326	.2438	.0003	-.0120	94.89	.0001
#3	-.0008	.0880	-.0052	.0304	.2323	-.0000	-.0057	90.74	.0005
Elem Units	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm	Mg2790 ppm	Mn2576 ppm
Avg	-0.0288	.0003	.0022	.0069	.0859	2.268	-0.0016	16.08	.3720
Stddev	.0178	.0016	.0014	.0006	.0020	.119	.0051	.73	.0135
%RSD	61.76	584.9	64.57	8.918	2.378	5.239	320.0	4.513	3.627
#1	-.0099	.0015	.0037	.0070	.0864	2.405	.0001	16.79	.3858
#2	-.0453	-.0015	.0018	.0074	.0836	2.204	.0024	16.13	.3712
#3	-.0313	.0009	.0010	.0062	.0876	2.194	-.0073	15.34	.3589
Elem Units	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm
Avg	.0042	F 1568.	.0161	.0041	.0002	2.297	.0005	-0.0055	2.208
Stddev	.0009	40.	.0018	.0034	.0009	.119	.0025	.0082	.118
%RSD	21.47	2.553	11.09	81.74	467.2	5.197	558.0	149.7	5.339
#1	.0049	1607.	.0157	.0065	.0009	2.422	.0004	-.0017	2.333
#2	.0032	1570.	.0181	.0003	-.0008	2.287	.0030	-.0149	2.193
#3	.0046	1527.	.0146	.0057	.0005	2.184	-.0020	.0001	2.099
Elem Units	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	W_2079 ppm	Zn2062 ppm	Zr3391 ppm	
Avg	-0.0033	.2587	.0003	-0.0100	.0020	-0.0083	.1551	.0011	
Stddev	.0070	.0118	.0020	.0019	.0004	.0040	.0081	.0010	
%RSD	209.0	4.569	586.2	18.72	19.08	48.36	5.196	91.27	
#1	-.0024	.2705	-.0017	-.0095	.0024	-.0121	.1638	.0021	
#2	-.0107	.2586	.0005	-.0085	.0021	-.0087	.1534	.0001	
#3	.0031	.2469	.0022	-.0121	.0016	-.0041	.1480	.0010	

Raw Data MA59103 page 142 of 267

Sample Name: JE16283-1 Acquired: 8/7/2025 11:50:53 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5600.2	84906.	23636.	3192.9
Stddev	7.8	144.	150.	.7
%RSD	.13876	.16903	.63352	.02332
#1	5604.3	84875.	23794.	3193.7
#2	5605.0	85063.	23617.	3192.2
#3	5591.2	84781.	23496.	3192.8

Raw Data MA59103 page 143 of 267

Sample Name: MP56406-SD1 Acquired: 8/7/2025 11:55:53 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm	Cd2288 ppm
Avg	-0.0015	.1975	.0042	.0846	.2285	-0.0001	.0271	92.02	.0006
Stddev	.0135	.0535	.0215	.0079	.0081	.0010	.0067	2.67	.0018
%RSD	876.3	27.08	517.6	9.306	3.557	759.1	24.87	2.904	279.2
#1	-.0104	.2521	-.0004	.0757	.2377	.0002	.0282	94.95	.0020
#2	.0140	.1951	.0276	.0876	.2254	-.0013	.0199	91.39	.0013
#3	-.0082	.1452	-.0147	.0906	.2223	.0007	.0332	89.71	-.0014
Elem Units	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm	Mg2790 ppm	Mn2576 ppm
Avg	-0.0885	.0024	.0031	.0252	.2636	1.984	-0.0136	15.61	.3740
Stddev	.0708	.0117	.0044	.0030	.0280	.533	.0059	.47	.0111
%RSD	80.01	486.3	142.0	12.04	10.62	26.87	43.38	3.008	2.968
#1	-.0228	.0054	.0083	.0217	.2957	2.598	-.0111	16.08	.3848
#2	-.1635	-.0105	.0005	.0272	.2445	1.642	-.0093	15.61	.3745
#3	-.0792	.0123	.0006	.0267	.2505	1.711	-.0203	15.14	.3626
Elem Units	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm
Avg	.0050	1525.	.0154	-0.0311	-0.0208	4.498	.0121	.0121	2.422
Stddev	.0024	43.	.0065	.0051	.0421	.085	.0222	.0085	.061
%RSD	46.90	2.808	41.97	16.43	201.8	1.883	183.7	69.70	2.530
#1	.0064	1569.	.0099	-.0255	-.0276	4.595	.0116	.0089	2.481
#2	.0064	1523.	.0138	-.0322	.0242	4.465	-.0099	.0058	2.425
#3	.0023	1483.	.0226	-.0356	-.0591	4.436	.0345	.0217	2.359
Elem Units	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	W_2079 ppm	Zn2062 ppm	Zr3391 ppm	
Avg	-0.0076	.2543	.0046	.0116	.0024	-0.0370	.1802	.0070	
Stddev	.0126	.0082	.0059	.0602	.0033	.0145	.0039	.0025	
%RSD	167.1	3.216	128.7	518.2	139.3	39.19	2.181	35.26	
#1	-.0066	.2625	.0041	.0742	.0061	-.0294	.1847	.0073	
#2	-.0177	.2545	.0107	.0067	-.0003	-.0537	.1781	.0093	
#3	-.0116	.2461	-.0011	-.0460	.0013	-.0279	.1777	.0044	

Raw Data MA59103 page 144 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56406-SD1 Acquired: 8/7/2025 11:55:53 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5553.5	83958.	23940.	3179.9
Stddev	9.4	249.	100.	6.1
%RSD	.16937	.29627	.41862	.19197

#1	5563.7	84097.	23880.	3185.5
#2	5551.4	84108.	24056.	3180.9
#3	5545.3	83671.	23884.	3173.4

Raw Data MA59103 page 145 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16288-1 Acquired: 8/7/2025 12:00:46 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 08/07

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5557.1	83925.	23197.	3158.1
Stddev	12.1	505.	57.	3.7
%RSD	.21722	.60140	.24502	.11605

#1	5570.7	84425.	23196.	3161.5
#2	5552.5	83933.	23140.	3158.5
#3	5547.9	83416.	23254.	3154.2

Raw Data MA59103 page 147 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16288-1 Acquired: 8/7/2025 12:00:46 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 08/07

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0017	.9523	.0015	.1346	.1951	.0002	-0.0124	17.47	.0000
Stddev	.0012	.0856	.0014	.0073	.0129	.0001	.0053	1.15	.0004
%RSD	74.51	8.993	93.70	5.394	6.606	91.41	42.78	6.579	1014.

#1	-0.0019	.9982	-0.001	.1425	.2083	.0003	-0.0157	18.62	.0001
#2	-0.0003	1.005	.0021	.1328	.1944	.0002	-0.0063	17.45	.0003
#3	-0.0027	.8535	.0025	.1283	.1826	-0.0000	-0.0151	16.33	-0.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0189	.0220	.0004	.0125	.3835	3.893	-0.0019	1.646	6.684
Stddev	.0119	.0035	.0005	.0010	.0276	.243	.0031	.101	.249
%RSD	63.12	16.12	107.1	8.127	7.209	6.232	160.5	6.127	3.725

#1	-0.0221	.0257	.0010	.0114	.4149	4.173	.0016	1.710	6.930
#2	-0.0057	.0216	.0004	.0128	.3728	3.738	-0.0031	1.698	6.688
#3	-0.0289	.0187	.0000	.0134	.3628	3.769	-0.0043	1.530	6.432

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	F 1507.	.0047	.0164	.0081	.6209	.0094	-0.0000	.9107
Stddev	.0009	94.	.0011	.0041	.0029	.0141	.0036	.0107	.0749
%RSD	74.28	6.222	22.68	25.01	36.19	2.274	38.51	83690.	8.228

#1	.0003	1598.	.0059	.0191	.0056	.6372	.0090	-0.0117	.9849
#2	.0011	1512.	.0039	.0184	.0075	.6134	.0060	.0026	.9121
#3	.0021	1411.	.0042	.0117	.0114	.6121	.0132	.0091	.8350

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	.0933	.0027	-0.0189	.0007	-0.0103	.0230	.0018
Stddev	.0008	.0062	.0009	.0033	.0015	.0035	.0013	.0009
%RSD	64.41	6.672	33.71	17.52	220.7	34.31	5.594	47.87

#1	.0021	.0997	.0035	-0.0151	.0024	-0.0081	.0244	.0008
#2	.0013	.0929	.0017	-0.0211	-0.0004	-0.0085	.0229	.0023
#3	.0004	.0873	.0030	-0.0206	.0001	-0.0144	.0218	.0024

Raw Data MA59103 page 146 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16288-2 Acquired: 8/7/2025 12:05:49 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 08/07

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0009	.4564	-0.0038	.2975	.2916	.0007	-0.0123	33.60	.0000
Stddev	.0012	.0123	.0042	.0272	.0196	.0001	.0011	2.10	.0009
%RSD	135.6	2.705	109.4	9.141	6.724	9.244	8.784	6.255	2576.

#1	-0.0022	.4706	-0.0002	.3253	.3116	.0007	-0.0111	35.77	.0009
#2	-0.0001	.4486	-0.0084	.2960	.2908	.0006	-0.0130	33.47	-0.0009
#3	-0.0005	.4499	-0.0028	.2710	.2724	.0006	-0.0128	31.57	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0145	.0024	.0017	.0064	.1474	.9280	-0.0033	5.410	.4118
Stddev	.0245	.0006	.0013	.0009	.0066	.1191	.0038	.351	.0200
%RSD	168.9	23.63	74.43	14.28	4.494	12.83	112.7	6.493	4.869

#1	.0136	.0030	.0003	.0060	.1543	1.031	-0.0023	5.788	.4323
#2	-0.0313	.0025	.0028	.0059	.1466	.7977	-0.0075	5.346	.4109
#3	-0.0258	.0018	.0020	.0075	.1411	.9551	-0.0002	5.094	.3922

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	F 1438.	.0073	.0035	.0189	1.804	.0033	.0036	1.483
Stddev	.0014	105.	.0015	.0027	.0033	.115	.0018	.0050	.137
%RSD	630.1	7.316	20.48	75.58	17.23	6.355	55.23	136.6	9.256

#1	.0002	1539.	.0088	.0007	.0213	1.916	.0016	.0046	1.629
#2	-0.0011	1446.	.0073	.0060	.0203	1.810	.0031	.0080	1.463
#3	.0016	1329.	.0058	.0037	.0152	1.687	.0052	-0.0018	1.357

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.1596	.0054	-0.0118	.0027	-0.0114	.0462	.0016
Stddev	.0017	.0106	.0012	.0089	.0013	.0034	.0037	.0011
%RSD	622.1	6.627	21.48	75.42	46.56	29.71	7.922	66.78

#1	-0.0022	.1707	.0045	-0.0144	.0017	-0.0153	.0500	.0004
#2	.0007	.1585	.0067	-0.0191	.0041	-0.0097	.0460	.0022
#3	.0007	.1496	.0051	-0.0019	.0024	-0.0092	.0427	.0022

Raw Data MA59103 page 148 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16288-2 Acquired: 8/7/2025 12:05:49 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 08/07

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5548.9	83389.	23478.	3166.3
Stddev	6.4	120.	178.	3.0
%RSD	.11616	.14422	.75936	.09346

#1	5555.5	83261.	23510.	3166.0
#2	5548.7	83500.	23638.	3163.4
#3	5542.6	83407.	23285.	3169.3

Raw Data MA59103 page 149 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE15567-1A Acquired: 8/7/2025 12:10:49 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0008	2904	.0033	.2717	.0361	.0001	-0.0032	352.6	-0.0034
Stddev	.0016	.0194	.0021	.0155	.0015	.0001	.0042	9.9	.0005
%RSD	.1917	6.664	62.82	5.721	4.059	229.9	129.6	2.815	14.83

#1	-.0006	.3093	.0055	.2872	.0375	.0000	-.0081	361.8	-.0033
#2	-.0025	.2914	.0013	.2719	.0363	-.0000	-.0010	353.8	-.0029
#3	.0006	.2706	.0033	.2561	.0346	.0002	-.0006	342.1	-.0039

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0050	.0221	.0044	.0073	.2000	14.22	.0575	10.97	.9745
Stddev	.0060	.0021	.0010	.0019	.0040	.46	.0046	.32	.0294
%RSD	121.2	9.570	22.69	26.64	1.999	3.208	7.960	2.903	3.020

#1	-.0047	.0239	.0056	.0064	.2043	14.66	.0585	11.17	1.005
#2	.0009	.0226	.0040	.0059	.1995	14.27	.0524	11.15	.9727
#3	-.0111	.0197	.0038	.0095	.1963	13.75	.0614	10.61	.9459

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059	F 1644.	.0332	.0133	.0354	8.552	.3467	-.0043	16.55
Stddev	.0005	54.	.0046	.0042	.0151	.452	.0181	.0106	.99
%RSD	8.405	3.297	13.81	31.63	42.76	5.287	5.208	244.2	5.957

#1	.0055	1678.	.0384	.0088	.0527	9.021	.3664	-.0157	17.58
#2	.0065	1673.	.0299	.0171	.0288	8.515	.3428	.0053	16.44
#3	.0058	1582.	.0313	.0142	.0247	8.119	.3309	-.0027	15.62

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0083	1.109	.0010	-0.0067	.0048	-0.0103	.1027	.0014
Stddev	.0038	.036	.0013	.0080	.0013	.0066	.0062	.0003
%RSD	45.36	3.214	132.2	120.0	28.05	63.64	6.000	20.11

#1	-.0098	1.145	.0024	-.0102	.0059	-.0172	.1093	.0014
#2	-.0040	1.108	.0002	-.0124	.0051	-.0097	.1018	.0012
#3	-.0110	1.074	.0003	.0025	.0033	-.0041	.0971	.0017

Raw Data MA59103 page 150 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE15567-1A Acquired: 8/7/2025 12:10:49 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5597.8	83636.	22953.	3179.0
Stddev	24.8	229.	188.	17.7
%RSD	.44382	.27429	.82105	.55545

#1	5570.0	83900.	23162.	3160.7
#2	5605.8	83496.	22795.	3180.4
#3	5617.8	83511.	22901.	3195.9

Raw Data MA59103 page 151 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16054-1 Acquired: 8/7/2025 12:15:49 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0021	.3037	.0009	.0597	.5186	.0003	-0.0039	224.1	.0020
Stddev	.0017	.0302	.0030	.0045	.0220	.0001	.0038	10.1	.0011
%RSD	84.00	9.940	340.5	7.480	4.239	31.58	96.33	4.523	54.53

#1	-.0039	.3318	.0033	.0648	.5406	.0004	-.0082	233.8	.0017
#2	-.0020	.3074	.0018	.0580	.5186	.0004	-.0024	225.0	.0011
#3	-.0004	.2718	-.0025	.0564	.4966	.0002	-.0011	213.6	.0032

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0232	.0173	.0029	.0738	.2835	4.700	.0024	12.77	2.657
Stddev	.0212	.0020	.0006	.0017	.0170	.202	.0012	.57	.101
%RSD	91.41	11.31	18.75	2.258	5.996	4.301	50.72	4.489	3.790

#1	.0294	.0188	.0024	.0756	.2928	4.898	.0022	13.33	2.757
#2	-.0004	.0181	.0030	.0724	.2937	4.708	.0012	12.78	2.657
#3	.0405	.0151	.0035	.0733	.2639	4.494	.0036	12.18	2.556

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	F 1878.	.0383	.0092	.1800	11.70	.0015	-0.0002	3.629
Stddev	.0017	90.	.0031	.0058	.0162	.97	.0036	.0025	.321
%RSD	1109.	4.777	8.077	63.45	9.026	8.250	234.0	1027.	8.855

#1	.0015	1935.	.0411	.0108	.1982	12.72	.0022	-.0028	3.962
#2	-.0019	1925.	.0388	.0027	.1749	11.60	-.0024	-.0002	3.604
#3	-.0001	1775.	.0350	.0140	.1669	10.79	.0048	.0023	3.321

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0014	1.014	.0041	-0.0162	.0000	-0.0172	.6918	.0020
Stddev	.0039	.046	.0023	.0048	.0006	.0015	.0589	.0006
%RSD	271.6	4.538	56.24	29.38	8432.	8.612	8.508	29.76

#1	-.0026	1.059	.0062	-.0144	.0007	-.0170	.7523	.0016
#2	.0029	1.014	.0017	-.0217	-.0000	-.0188	.6885	.0026
#3	-.0047	.9675	.0044	-.0127	-.0006	-.0159	.6347	.0016

Raw Data MA59103 page 152 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16054-1 Acquired: 8/7/2025 12:15:49 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5562.2	83557.	23088.	3172.7
Stddev	15.7	79.	53.	6.4
%RSD	.28208	.09476	.23122	.20016

#1	5569.7	83639.	23043.	3179.8
#2	5547.3	83551.	23074.	3167.6
#3	5539.6	83481.	23147.	3170.6

Raw Data MA59103 page 153 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16154-1 Acquired: 8/7/2025 12:20:48 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5411.3	82209.	22950.	3113.0
Stddev	7.0	14.	166.	3.4
%RSD	.12885	.01708	.72192	.10854

#1	5417.4	82207.	22770.	3113.7
#2	5412.7	82196.	22985.	3116.0
#3	5403.7	82224.	23096.	3109.3

Raw Data MA59103 page 155 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16154-1 Acquired: 8/7/2025 12:20:48 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0017	.2142	-0.0037	.0194	.0150	.0000	.0007	5.437	.0000
Stddev	.0009	.0093	.0027	.0028	.0005	.0002	.0017	.268	.0010
%RSD	51.02	4.323	72.89	14.71	3.200	.4928.	248.0	4.929	13980.

#1	-.0018	.2243	-.0006	.0226	.0152	-.0001	-.0000	5.707	-.0003
#2	-.0008	.2060	-.0055	.0183	.0154	-.0002	.0026	5.431	-.0008
#3	-.0025	.2123	-.0049	.0172	.0145	.0003	-.0006	5.172	.0012

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0233	.0547	.0624	.0174	.2053	2.883	.0019	5.439	.3021
Stddev	.0092	.0086	.0043	.0010	.0079	.142	.0008	.0710	.0176
%RSD	39.67	15.71	6.848	5.545	3.862	4.919	42.52	13.05	5.829

#1	-.0126	.0640	.0671	.0185	.2081	3.016	.0022	.6252	.3201
#2	-.0284	.0533	.0616	.0171	.2114	2.899	.0024	.4948	.3011
#3	-.0289	.0469	.0586	.0167	.1963	2.733	.0009	.5116	.2849

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	F 1727.	.0030	.2654	.0067	.7478	-.0003	-.0026	.7552
Stddev	.0013	91.	.0009	.0343	.0094	.0217	.0032	.0134	.1013
%RSD	103.9	5.253	31.65	12.94	140.8	2.898	1154.	509.3	13.41

#1	.0028	1802.	.0019	.3006	.0171	.7690	.0033	-.0181	.8573
#2	.0005	1754.	.0033	.2636	-.0011	.7485	-.0025	.0062	.7537
#3	.0005	1626.	.0036	.2320	.0041	.7257	-.0016	.0039	.6548

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0089	.0329	.0038	-.0029	.0009	-.0075	.5167	.0064
Stddev	.0049	.0014	.0010	.0019	.0012	.0044	.0627	.0008
%RSD	55.49	4.235	25.06	63.70	127.5	58.14	12.13	12.90

#1	.0099	.0343	.0049	-.0008	.0000	-.0088	.5777	.0073
#2	.0132	.0329	.0035	-.0036	.0005	-.0111	.5199	.0063
#3	.0035	.0315	.0030	-.0044	.0022	-.0027	.4524	.0056

Raw Data MA59103 page 154 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16156-1 Acquired: 8/7/2025 12:25:48 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0030	.0763	-.0060	.0291	.0026	-.0001	-.0100	.4747	-.0003
Stddev	.0006	.0268	.0041	.0014	.0003	.0001	.0057	.0256	.0010
%RSD	20.03	35.20	68.29	4.746	12.18	184.3	57.16	5.401	397.0

#1	-.0032	.1014	-.0041	.0284	.0024	-.0001	-.0072	.5028	-.0008
#2	-.0023	.0480	-.0107	.0306	.0023	-.0002	-.0062	.4688	-.0009
#3	-.0035	.0793	-.0032	.0281	.0029	.0001	-.0166	.4525	.0009

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	-.0007	.0002	.0105	.0422	.4128	.0011	.1020	.0018
Stddev	.0173	.0005	.0015	.0022	.0125	.0485	.0030	.0256	.0001
%RSD	1948.	75.50	616.6	20.92	29.61	11.76	262.0	25.12	3.987

#1	.0083	-.0012	.0019	.0129	.0562	.4671	.0008	.1243	.0017
#2	.0132	-.0006	-.0011	.0085	.0320	.3735	-.0016	.0740	.0018
#3	-.0189	-.0002	-.0001	.0102	.0385	.3978	.0042	.1075	.0019

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	F 1614.	.0019	.0081	.0024	1.141	.0016	.0044	.2959
Stddev	.0013	101.	.0013	.0072	.0046	.048	.0007	.0063	.0257
%RSD	943.9	6.271	69.38	88.70	189.6	4.166	45.74	143.0	8.702

#1	.0002	1730.	.0035	.0161	-.0021	1.192	.0017	.0057	.3214
#2	-.0011	1568.	.0013	.0057	.0023	1.132	.0023	.0100	.2962
#3	.0014	1544.	.0010	.0024	.0071	1.098	.0008	-.0024	.2699

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028	.0028	.0013	-.0085	.0023	-.0158	.0712	.0017
Stddev	.0069	.0001	.0014	.0079	.0006	.0054	.0059	.0014
%RSD	245.3	3.922	112.7	93.48	28.57	34.19	8.301	81.70

#1	.0062	.0027	.0028	-.0029	.0028	-.0133	.0775	.0024
#2	-.0051	.0030	.0009	-.0050	.0015	-.0121	.0703	.0001
#3	.0073	.0028	.0000	-.0175	.0025	-.0220	.0658	.0025

Raw Data MA59103 page 156 of 267

Sample Name: JE16156-1 Acquired: 8/7/2025 12:25:48 Type:UNK
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5536.4	83221.	23058.	3166.3
Stddev	14.9	274.	81.	10.7
%RSD	.26861	.32951	.35231	.33733
#1	5522.1	83379.	23091.	3154.9
#2	5535.3	82904.	23118.	3168.0
#3	5551.8	83380.	22966.	3176.1

Raw Data MA59103 page 157 of 267

Sample Name: CCV Acquired: 8/7/2025 12:30:52 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2418	39.32	2.010	1.982	1.975	1.997	1.951	39.61	2.006
Stddev	.0008	.07	.002	.003	.005	.002	.003	.12	.003
%RSD	.3134	.1675	.0968	.1690	.2769	.1028	.1410	.2960	.1421
#1	2421	39.38	2.009	1.984	1.980	1.995	1.948	39.67	2.004
#2	2410	39.33	2.009	1.978	1.975	1.999	1.951	39.68	2.004
#3	2425	39.25	2.012	1.983	1.969	1.998	1.954	39.47	2.009

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.980	2.014	1.972	1.898	39.65	39.87	1.964	39.13	2.015
Stddev	.005	.001	.004	.006	.07	.04	.006	.14	.007
%RSD	.2665	.0470	.2306	.3343	.1733	.1119	.2953	.3514	.3321
#1	1.979	2.014	1.967	1.904	39.63	39.86	1.969	39.19	2.009
#2	1.985	2.015	1.976	1.892	39.73	39.83	1.965	39.23	2.022
#3	1.975	2.013	1.974	1.899	39.59	39.92	1.958	38.98	2.015

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.977	39.95	2.021	1.995	2.005	2.040	1.972	2.005	4.979
Stddev	.002	.06	.003	.006	.002	.009	.002	.004	.006
%RSD	.0816	.1512	.1339	.3083	.1088	.4499	.1225	.1943	.1223
#1	1.976	39.98	2.020	1.991	2.003	2.031	1.971	2.007	4.981
#2	1.976	39.99	2.024	1.991	2.007	2.040	1.971	2.000	4.972
#3	1.979	39.88	2.019	2.002	2.006	2.049	1.975	2.007	4.983

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

Raw Data MA59103 page 158 of 267

Sample Name: CCV Acquired: 8/7/2025 12:30:52 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.979	2.006	1.959	1.986	1.966	1.979	2.017	1.989
Stddev	.003	.013	.002	.006	.004	.002	.004	.005
%RSD	.1665	.6620	.1233	.3286	.2153	.0818	.1897	.2719
#1	1.975	1.996	1.957	1.979	1.962	1.978	2.014	1.985
#2	1.981	2.001	1.961	1.991	1.971	1.977	2.017	1.995
#3	1.980	2.021	1.961	1.989	1.965	1.980	2.021	1.987

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5551.7	80991.	23267.	3048.2
Stddev	4.3	239.	73.	4.6
%RSD	.07684	.29556	.31533	.15142
#1	5555.8	81147.	23248.	3051.4
#2	5547.3	81110.	23206.	3050.2
#3	5551.9	80715.	23349.	3042.9

Raw Data MA59103 page 159 of 267

Sample Name: CCB Acquired: 8/7/2025 12:35:32 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.006	-0.011	.0001	.0036	.0002	.0001	.0017	.0014	.0001
Stddev	.0003	.0038	.0010	.0003	.0000	.0000	.0016	.0005	.0003
%RSD	49.24	357.9	1055.	8.287	29.79	36.21	94.48	33.61	243.7
#1	-0.009	-0.027	-0.002	.0035	.0001	.0001	.0021	.0009	-0.001
#2	-0.005	.0033	-0.007	.0039	.0001	.0001	-0.001	.0017	-0.000
#3	-0.004	-0.038	.0012	.0034	.0002	.0001	.0031	.0017	.0005

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.032	.0001	.0001	-0.019	.0049	.0509	-0.003	-0.008	.0001
Stddev	.0023	.0002	.0002	.0006	.0017	.0268	.0005	.0072	.0000
%RSD	72.21	225.9	157.0	34.34	35.26	52.68	142.4	913.5	33.09
#1	-0.052	.0000	.0002	-0.012	.0033	.0557	-0.008	.0048	.0002
#2	-0.037	-0.001	-0.001	-0.024	.0067	.0750	-0.004	-0.089	.0001
#3	-0.007	.0004	.0003	-0.020	.0046	.0220	.0002	.0017	.0001

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0609	.0004	-0.005	.0003	.0047	.0008	-0.007	.0041
Stddev	.0003	.0023	.0002	.0010	.0001	.0010	.0006	.0010	.0005
%RSD	24.56	3.828	46.12	202.5	20.66	20.97	79.17	155.5	11.91
#1	.0011	.0635	.0002	-0.016	.0003	.0047	.0001	-0.007	.0047
#2	.0008	.0601	.0005	.0001	.0003	.0057	.0011	-0.017	.0041
#3	.0014	.0590	.0006	.0000	.0004	.0038	.0012	.0004	.0037

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

Raw Data MA59103 page 160 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: CCB Acquired: 8/7/2025 12:35:32 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	0.0001	0.0008	-0.0050	0.0005	-0.0022	0.0001	0.0002
Stddev	0.0005	0.0001	0.0001	0.0033	0.0003	0.0014	0.0002	0.0001
%RSD	181.6	56.17	14.95	65.13	58.18	60.25	289.4	52.40

#1	-0.0004	0.0001	0.0009	-0.0013	0.0007	-0.0011	-0.0001	0.0001
#2	0.0003	0.0002	0.0009	-0.0075	0.0006	-0.0018	0.0000	0.0002
#3	-0.0007	0.0001	0.0007	-0.0062	0.0002	-0.0038	0.0003	0.0004

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5353.5	81061.	23819.	3079.9
Stddev	18.4	277.	192.	10.3
%RSD	.34330	.34155	.80746	.33397

#1	5332.9	80742.	23921.	3070.6
#2	5359.7	81217.	23597.	3078.1
#3	5368.0	81225.	23939.	3091.0

Raw Data MA59103 page 161 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-MB1 1 Acquired: 8/7/2025 12:40:26 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	-0.0001	0.0016	0.0033	0.0002	0.0001	0.0025	0.0080	-0.0001
Stddev	0.0002	0.0065	0.0012	0.0001	0.0001	0.0000	0.0028	0.0007	0.0002
%RSD	59.81	5525.	74.09	2.665	80.12	9.913	112.3	8.362	116.8

#1	-0.0002	0.0043	0.0026	0.0033	0.0003	0.0001	0.0047	0.0073	-0.0001
#2	-0.0004	-0.0076	0.0018	0.0032	0.0001	0.0001	0.0034	0.0087	-0.0000
#3	-0.0006	0.0029	0.0003	0.0034	0.0001	0.0001	-0.0007	0.0080	-0.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0073	0.0001	-0.0001	-0.0002	0.0055	0.0008	-0.0013	-0.0051	0.0001
Stddev	0.0020	0.0001	0.0003	0.0003	0.0015	0.0259	0.0008	0.0057	0.0000
%RSD	27.87	166.7	475.9	151.3	26.41	63.45	65.88	112.4	14.03

#1	-0.0095	-0.0000	-0.0004	-0.0003	0.0053	0.0571	-0.0003	-0.0039	0.0001
#2	-0.0066	0.0001	-0.0001	0.0001	0.0070	0.0110	-0.0015	-0.0113	0.0002
#3	-0.0056	0.0001	0.0003	-0.0004	0.0041	0.0545	-0.0019	-0.0000	0.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	0.0453	-0.0010	-0.0004	0.0009	0.0023	-0.0028	-0.0030	0.0953
Stddev	0.0003	0.0023	0.0001	0.0021	0.0017	0.0006	0.0013	0.0013	0.0017
%RSD	87.70	5.011	6.559	599.2	189.2	27.88	45.47	41.99	1.781

#1	-0.0003	0.0460	-0.0010	0.0010	0.0017	0.0020	-0.0036	-0.0028	0.0940
#2	-0.0006	0.0427	-0.0011	-0.0028	0.0020	0.0019	-0.0013	-0.0044	0.0972
#3	-0.0001	0.0471	-0.0010	0.0008	-0.0010	0.0030	-0.0035	-0.0019	0.0946

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0009	0.0001	0.0002	-0.0010	0.0001	-0.0040	0.0010	-0.0003
Stddev	0.0007	0.0000	0.0002	0.0010	0.0003	0.0006	0.0002	0.0002
%RSD	79.02	50.61	90.76	100.4	196.9	14.67	16.72	90.52

#1	-0.0001	0.0001	0.0004	-0.0010	-0.0001	-0.0035	0.0010	-0.0001
#2	-0.0015	0.0001	-0.0000	0.0000	0.0001	-0.0047	0.0008	-0.0002
#3	-0.0011	0.0001	0.0003	-0.0020	0.0005	-0.0039	0.0011	-0.0005

Raw Data MA59103 page 162 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-MB1 1 Acquired: 8/7/2025 12:40:26 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5317.3	79821.	23632.	3083.5
Stddev	15.4	238.	262.	10.1
%RSD	.28899	.29835	1.1107	.32901

#1	5334.7	79571.	23841.	3095.2
#2	5311.2	79848.	23718.	3078.9
#3	5305.9	80045.	23338.	3076.5

Raw Data MA59103 page 163 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-MB1 1 Acquired: 8/7/2025 12:45:41 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: EPA/1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0001	0.0019	0.0002	0.0033	0.0000	0.0000	0.0042	0.0098	-0.0001
Stddev	0.0004	0.0036	0.0008	0.0005	0.0001	0.0000	0.0007	0.0006	0.0002
%RSD	636.3	189.6	454.4	15.79	250.4	114.2	15.67	6.457	138.6

#1	-0.0004	-0.0016	0.0010	0.0039	-0.0000	0.0000	0.0049	0.0091	0.0001
#2	0.0004	0.0057	0.0001	0.0032	0.0001	0.0000	0.0040	0.0104	-0.0003
#3	0.0002	0.0017	-0.0005	0.0028	-0.0000	0.0000	0.0036	0.0099	-0.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0087	0.0001	0.0001	0.0028	0.0115	-0.0082	-0.0003	0.0023	0.0003
Stddev	0.0028	0.0002	0.0004	0.0004	0.0017	0.0128	0.0005	0.0042	0.0000
%RSD	41.82	118.4	325.1	13.54	14.99	155.1	171.3	187.0	5.970

#1	-0.0035	0.0003	-0.0003	0.0028	0.0134	0.0056	-0.0000	0.0052	0.0003
#2	-0.0086	-0.0001	0.0001	0.0031	0.0102	-0.0196	0.0000	0.0041	0.0003
#3	-0.0080	0.0002	0.0005	0.0024	0.0108	-0.0107	-0.0009	-0.0026	0.0003

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	0.0373	-0.0006	0.0016	0.0002	0.0041	-0.0031	-0.0044	0.0960
Stddev	0.0003	0.0044	0.0004	0.0011	0.0013	0.0021	0.0008	0.0007	0.0016
%RSD	83.92	11.69	68.69	68.92	766.1	50.53	25.73	16.52	1.628

#1	-0.0000	0.0418	-0.0003	0.0028	-0.0012	0.0031	-0.0030	-0.0035	0.0977
#2	-0.0006	0.0368	-0.0011	0.0013	0.0015	0.0065	-0.0039	-0.0047	0.0947
#3	-0.0006	0.0332	-0.0004	0.0006	0.0002	0.0028	-0.0024	-0.0048	0.0957

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	0.0000	0.0003	0.0003	-0.0002	-0.0043	0.0004	0.0000
Stddev	0.0003	0.0000	0.0003	0.0012	0.0003	0.0007	0.0002	0.0001
%RSD	103.8	1002.	107.0	381.8	150.7	16.30	7.013	295.5

#1	-0.0003	0.0000	0.0001	-0.0010	-0.0000	-0.0048	0.0036	0.0000
#2	0.0000	-0.0000	0.0007	0.0014	-0.0005	-0.0035	0.0032	0.0001
#3	-0.0005	0.0000	0.0002	0.0006	-0.0001	-0.0046	0.0036	-0.0000

Raw Data MA59103 page 164 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-MB1 1 Acquired: 8/7/2025 12:45:41 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: EPA/1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5324.8	79740.	23324.	3098.9
Stddev	5.5	444.	246.	4.3
%RSD	.10319	.55734	1.0537	.14013

#1	5318.7	80209.	23561.	3093.9
#2	5329.3	79686.	23070.	3101.3
#3	5326.5	79325.	23342.	3101.4

Raw Data MA59103 page 165 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-B1 Acquired: 8/7/2025 12:50:35 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.861	2.054	2.034
Stddev	.006	.004	.007
%RSD	.3230	.1781	.3604

#1	1.859	2.055	2.028
#2	1.857	2.056	2.032
#3	1.868	2.049	2.042

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5429.4	78853.	22892.	3041.3
Stddev	10.1	452.	264.	3.0
%RSD	.18544	.57307	1.1544	.09810

#1	5436.0	79343.	23003.	3041.5
#2	5434.4	78762.	22590.	3044.1
#3	5417.8	78453.	23082.	3038.2

Raw Data MA59103 page 167 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-B1 Acquired: 8/7/2025 12:50:35 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0824	25.07	2.038	1.955	1.993	1.992	-0.050	26.22
Stddev	.0002	.04	.006	.002	.005	.003	.0012	.13
%RSD	.2211	.1738	.3048	.1161	.2754	.1405	24.52	.5014

#1	.0823	25.02	2.045	1.957	1.987	1.991	-0.037	26.10
#2	.0822	25.11	2.034	1.952	1.995	1.995	-0.052	26.36
#3	.0826	25.07	2.036	1.955	1.997	1.990	-0.061	26.20

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.004	-0.0009	2.034	1.977	1.819	25.29	25.65	-0.0006
Stddev	.003	.0034	.001	.004	.003	.09	.07	.0007
%RSD	.1378	392.6	.0669	.2280	.1512	.3655	.2550	121.9

#1	2.006	.0012	2.036	1.972	1.818	25.20	25.58	-0.014
#2	2.004	-.0048	2.033	1.981	1.821	25.38	25.71	.0001
#3	2.001	.0011	2.033	1.978	1.816	25.28	25.65	-0.005

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.03	2.048	1.972	40.37	2.054	-0.0056	2.068	1.273
Stddev	.19	.008	.001	.11	.001	.0008	.001	.003
%RSD	.6985	.4036	.0230	.2798	.0481	13.63	.0644	.2078

#1	26.85	2.042	1.972	40.25	2.054	-.0063	2.069	1.272
#2	27.23	2.046	1.972	40.48	2.055	-.0048	2.067	1.272
#3	27.01	2.058	1.972	40.39	2.053	-.0058	2.067	1.277

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.998	2.076	.0612	1.987	2.046	1.979	W 2.007	1.986
Stddev	.002	.007	.0009	.000	.058	.004	.007	.003
%RSD	.0947	.3326	1.497	.0060	2.814	.1778	.3338	.1544

#1	2.001	2.084	.0619	1.987	1.997	1.975	2.003	1.982
#2	1.997	2.073	.0601	1.987	2.109	1.982	2.003	1.988
#3	1.997	2.071	.0615	1.987	2.031	1.979	2.015	1.987

Raw Data MA59103 page 166 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-B1 Acquired: 8/7/2025 12:55:17 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0803	24.24	1.981	1.877	1.935	1.919	-0.040	24.81
Stddev	.0003	.05	.008	.004	.002	.002	.0020	.10
%RSD	.4010	.1865	.3942	.2076	.0770	.1041	48.36	.3906

#1	.0807	24.22	1.986	1.877	1.936	1.918	-.0061	24.74
#2	.0801	24.21	1.972	1.873	1.933	1.918	-.0022	24.77
#3	.0801	24.29	1.985	1.881	1.936	1.921	-.0039	24.92

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.933	.0031	1.972	1.916	1.746	25.14	24.22	-0.0009
Stddev	.002	.0021	.000	.003	.003	.01	.07	.0008
%RSD	.0770	69.56	.0107	.1438	.1753	.0334	.2967	83.66

#1	1.935	.0055	1.972	1.918	1.743	25.14	24.19	-.0002
#2	1.932	.0016	1.972	1.913	1.745	25.15	24.17	-.0008
#3	1.933	.0021	1.972	1.918	1.749	25.15	24.30	-.0017

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.81	1.993	1.918	24.90	2.000	-0.0025	2.012	-0.188
Stddev	.12	.004	.002	.03	.002	.0007	.002	.0026
%RSD	.4947	.2010	.1093	.1147	.0743	29.30	.1156	13.68

#1	24.72	1.992	1.920	24.90	2.001	-.0034	2.014	-0.179
#2	24.77	1.989	1.915	24.87	2.001	-.0019	2.012	-0.217
#3	24.95	1.997	1.918	24.93	1.999	-.0023	2.009	-0.168

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.945	2.007	.0627	1.924	1.943	1.926	W 1.942	1.924
Stddev	.001	.004	.0004	.007	.011	.001	.003	.003
%RSD	.0524	.2088	.6584	.3594	.5765	.0668	.1393	.1341

#1	1.946	2.007	.0622	1.921	1.935	1.925	1.939	1.926
#2	1.944	2.002	.0629	1.932	1.938	1.925	1.942	1.921
#3	1.946	2.011	.0630	1.919	1.956	1.927	1.944	1.926

Raw Data MA59103 page 168 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-B1 Acquired: 8/7/2025 12:55:17 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.825	1.980	1.995
Stddev	.009	.003	.006
%RSD	.5068	.1537	.3167

#1	1.816	1.977	1.991
#2	1.825	1.983	1.991
#3	1.834	1.980	2.002

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5406.5	78834.	22808.	3056.3
Stddev	5.6	66.	217.	3.9
%RSD	.10363	.08348	.95036	.12702

#1	5404.6	78810.	22930.	3053.4
#2	5412.8	78784.	22938.	3060.7
#3	5402.1	78909.	22558.	3054.8

Raw Data MA59103 page 169 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-S1 Acquired: 8/7/2025 13:00:01 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0955	26.09	1.951	4.186	2.141	1.956	-.0012	F 249.4
Stddev	.0003	.08	.008	.030	.005	.007	.0004	.6
%RSD	.3324	.2970	.4081	.7241	.2491	.3684	34.75	.2296

#1	.0955	26.14	1.955	4.214	2.147	1.958	-.0017	249.6
#2	.0953	26.00	1.941	4.154	2.137	1.948	-.0008	249.8
#3	.0959	26.13	1.955	4.191	2.140	1.962	-.0013	248.7

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.179	.0070	1.982	1.802	2.269	24.46	F 266.1	.1016
Stddev	.010	.0017	.004	.006	.002	.14	.6	.0006
%RSD	.4758	24.42	.2003	.3486	.0760	.5874	.2409	.5493

#1	2.187	.0051	1.978	1.809	2.268	24.53	266.7	.1022
#2	2.167	.0084	1.982	1.797	2.271	24.29	265.4	.1011
#3	2.183	.0073	1.986	1.800	2.268	24.55	266.1	.1014

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 638.8	1.914	1.927	*****	1.962	.0046	2.068	F 423.9
Stddev	3.5	.007	.006	-----	.002	.0015	.003	1.6
%RSD	.5550	.3787	.2895	-----	.1056	32.09	.1378	.3782

#1	638.3	1.921	1.930	-----	1.961	.0040	2.069	425.5
#2	635.5	1.907	1.921	-----	1.961	.0035	2.065	422.3
#3	642.6	1.914	1.932	-----	1.964	.0063	2.071	424.1

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.104	2.068	1.970	1.925	5.883	1.863	W 2.134	1.871
Stddev	.015	.013	.012	.005	.140	.004	.005	.005
%RSD	.7193	.6341	.5952	.2795	2.375	.2066	.2547	.2820

#1	2.115	2.076	1.977	1.920	6.001	1.867	2.138	1.876
#2	2.087	2.052	1.956	1.923	5.729	1.860	2.128	1.866
#3	2.109	2.074	1.976	1.931	5.920	1.862	2.137	1.869

Raw Data MA59103 page 170 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-S1 Acquired: 8/7/2025 13:00:01 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.774	1.700	1.986
Stddev	.007	.008	.005
%RSD	.4203	.4530	.2568

#1	1.770	1.692	1.990
#2	1.769	1.707	1.980
#3	1.783	1.700	1.987

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5143.7	79968.	20471.	2858.7
Stddev	13.7	343.	124.	10.7
%RSD	.26587	.42910	.60734	.37254

#1	5128.0	79601.	20556.	2846.9
#2	5152.7	80020.	20529.	2867.7
#3	5150.5	80282.	20328.	2861.4

Raw Data MA59103 page 171 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-S2 Acquired: 8/7/2025 13:04:55 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0985	26.27	1.996	4.261	2.117	1.935	-.0056	F 252.4
Stddev	.0006	.09	.010	.012	.007	.006	.0008	1.5
%RSD	.5594	.3318	.4990	.2892	.3210	.3139	14.24	.5895

#1	.0979	26.37	1.985	4.247	2.124	1.941	-.0052	254.0
#2	.0990	26.23	2.000	4.267	2.111	1.934	-.0051	252.2
#3	.0985	26.22	2.004	4.269	2.117	1.929	-.0065	251.0

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.186	.0033	1.981	1.791	2.292	24.48	F 268.9	.1030
Stddev	.006	.0038	.003	.008	.018	.08	.6	.0005
%RSD	.2947	117.3	.1679	.4236	.7887	.3394	.2245	.5102

#1	2.178	-.0010	1.977	1.785	2.272	24.56	269.5	.1036
#2	2.190	.0064	1.984	1.790	2.297	24.49	268.4	.1027
#3	2.189	.0043	1.981	1.800	2.307	24.39	268.7	.1027

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 642.1	1.897	1.959	*****	1.956	.0057	2.062	F 433.9
Stddev	3.0	.008	.005	-----	.004	.0015	.002	1.4
%RSD	.4725	.4301	.2334	-----	.2198	25.70	.0837	.3216

#1	644.2	1.889	1.954	-----	1.951	.0041	2.061	432.3
#2	643.6	1.896	1.961	-----	1.958	.0060	2.064	434.8
#3	638.7	1.905	1.962	-----	1.958	.0070	2.061	434.6

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.148	2.083	2.024	1.960	6.071	1.887	W 2.124	1.863
Stddev	.005	.013	.005	.005	.219	.012	.004	.010
%RSD	.2151	.6235	.2611	.2528	3.609	.6478	.2008	.5403

#1	2.143	2.069	2.019	1.954	6.192	1.875	2.124	1.853
#2	2.150	2.086	2.029	1.963	6.202	1.887	2.129	1.862
#3	2.151	2.094	2.026	1.963	5.818	1.899	2.120	1.873

Raw Data MA59103 page 172 of 267

Sample Name: MP56418-S2 Acquired: 8/7/2025 13:04:55 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.834	1.694	2.004
Stddev	.011	.004	.009
%RSD	.6031	.2570	.4733

#1	1.822	1.689	1.996
#2	1.840	1.698	2.002
#3	1.841	1.695	2.014

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5091.1	80336.	20515.	2817.0
Stddev	19.4	797.	151.	12.3
%RSD	.38067	.99255	.73508	.43808

#1	5105.9	81199.	20363.	2826.7
#2	5098.2	80181.	20518.	2821.3
#3	5069.2	79627.	20664.	2803.1

Raw Data MA59103 page 173 of 267

Sample Name: JE16544-1 Acquired: 8/7/2025 13:09:50 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	.2356	-.0004	2.258	.0930	.0001	.0034	F 232.8
Stddev	.0002	.0041	.0011	.011	.0002	.0002	.0004	3.4
%RSD	11.93	1.750	258.2	.4875	.2355	321.6	10.77	1.476

#1	.0016	.2346	.0004	2.248	.0932	.0000	.0037	228.9
#2	.0013	.2402	-.0001	2.257	.0928	-.0001	.0036	234.2
#3	.0012	.2322	-.0016	2.270	.0928	.0003	.0030	235.4

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0022	.0021	.0010	.0021	-.0009	.0544	F 244.5	.1031
Stddev	.0002	.0009	.0002	.0003	.0007	.0037	.4	.0012
%RSD	10.33	42.93	15.87	12.15	81.66	6.819	.1656	1.116

#1	-.0019	.0012	.0011	.0018	-.0001	.0522	244.2	.1044
#2	-.0022	.0022	.0011	.0022	-.0012	.0523	245.0	.1024
#3	-.0024	.0030	.0008	.0023	-.0014	.0587	244.4	.1025

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 619.5	.0010	.0102	*****	.0015	.0137	F -.0082	F 430.4
Stddev	5.3	.0001	.0005	----	.0001	.0008	.0005	.8
%RSD	.8628	11.07	4.692	----	7.051	6.004	6.066	.1954

#1	613.4	.0011	.0107	----	.0016	.0145	-.0087	429.9
#2	622.8	.0009	.0103	----	.0016	.0129	-.0077	430.0
#3	622.4	.0010	.0097	----	.0014	.0137	-.0083	431.4

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	-.0019	2.042	-.0028	4.098	.0001	-.0084	.0034
Stddev	.0011	.0010	.004	.0009	.044	.0001	.0012	.0000
%RSD	151.3	50.32	.1718	30.19	1.064	89.10	13.91	.8478

#1	.0009	-.0026	2.039	-.0038	4.082	.0002	-.0086	.0034
#2	-.0005	-.0025	2.041	-.0025	4.147	.0002	-.0093	.0034
#3	.0017	-.0008	2.046	-.0022	4.064	-.0000	-.0071	.0034

Raw Data MA59103 page 174 of 267

Sample Name: JE16544-1 Acquired: 8/7/2025 13:09:50 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	.0236	-.0010	.0021
Stddev	.0024	.0001	.0001
%RSD	10.34	14.26	5.797

#1	.0256	-.0009	.0023
#2	.0243	-.0009	.0020
#3	.0209	-.0011	.0021

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5074.0	80886.	20429.	2838.1
Stddev	30.5	60.	255.	21.1
%RSD	.60068	.07454	1.2473	.74349

#1	5103.1	80885.	20722.	2858.0
#2	5076.5	80826.	20300.	2840.5
#3	5042.3	80947.	20264.	2815.9

Raw Data MA59103 page 175 of 267

Sample Name: MP56418-SD1 Acquired: 8/7/2025 13:15:01 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.1891	.0040	2.224	.0874	-.0005	-.0009	231.8	-.0026
Stddev	.0021	.0317	.0050	.037	.0007	.0002	.0054	1.3	.0007
%RSD	838.8	16.77	124.3	1.655	.7755	36.19	579.7	.5788	26.11

#1	.0013	.1972	.0097	2.185	.0867	-.0007	.0052	230.4	-.0018
#2	.0006	.2160	.0020	2.229	.0874	-.0003	-.0050	233.1	-.0029
#3	-.0026	.1542	.0003	2.258	.0881	-.0005	-.0030	231.9	-.0030

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0198	-.0000	.0021	-.0008	.0442	227.6	.0864	589.4	.0005
Stddev	.0065	.0010	.0005	.0012	.0069	1.7	.0018	4.2	.0002
%RSD	32.67	11330.	21.34	142.1	15.63	.7259	2.051	.7165	28.81

#1	.0170	-.0012	.0018	.0004	.0396	225.7	.0855	585.8	.0004
#2	.0152	.0006	.0027	-.0009	.0407	228.4	.0852	594.0	.0007
#3	.0272	.0006	.0019	-.0020	.0521	228.8	.0884	588.4	.0005

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0165	F 4850.	.0033	.0200	-.0098	462.9	-.0089	.0026	1.912
Stddev	.0016	130.	.0017	.0068	.0114	7.0	.0043	.0109	.032
%RSD	9.924	2.686	51.73	33.93	117.0	1.513	47.84	421.3	1.655

#1	.0183	4741.	.0019	.0162	-.0012	455.6	-.0132	.0062	1.878
#2	.0161	4994.	.0027	.0161	-.0227	463.7	-.0047	-.0097	1.915
#3	.0151	4814.	.0052	.0279	-.0053	469.5	-.0089	.0112	1.941

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0108	3.946	.0001	-.0119	.0068	.1054	.0074	.0076
Stddev	.0048	.027	.0019	.0045	.0008	.0085	.0029	.0007
%RSD	44.50	.6919	2207.	38.01	11.74	8.037	39.83	9.105

#1	-.0062	3.915	.0023	-.0068	.0075	.1127	.0053	.0082
#2	-.0104	3.956	-.0012	-.0154	.0059	.1074	.0061	.0078
#3	-.0159	3.967	-.0009	-.0134	.0071	.0961	.0108	.0068

Raw Data MA59103 page 176 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-SD1 Acquired: 8/7/2025 13:15:01 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5572.4	85036.	22423.	3130.9
Stddev	6.7	456.	263.	3.3
%RSD	.11976	.53667	1.1722	.10494
#1	5578.7	85557.	22424.	3134.7
#2	5565.4	84709.	22161.	3128.7
#3	5573.3	84842.	22686.	3129.4

Raw Data MA59103 page 177 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-S1 Acquired: 8/7/2025 13:19:59 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0992	25.94	1.969	5.153	1.998	1.875	-.0022	F 275.9
Stddev	.0001	.07	.008	.016	.004	.004	.0019	.5
%RSD	.0818	.2804	.4147	.3147	.2045	.2203	85.87	.1975
#1	.0992	25.88	1.969	5.149	1.994	1.871	-.0045	275.8
#2	.0991	26.02	1.960	5.140	2.003	1.879	-.0009	275.4
#3	.0993	25.92	1.976	5.171	1.998	1.873	-.0014	276.5
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.174	.0028	1.907	1.702	2.345	22.90	F 313.0	1.320
Stddev	.006	.0019	.005	.011	.005	.07	1.0	.0011
%RSD	.2682	69.38	.2410	.6442	.2168	.2909	.3258	.8334
#1	2.171	.0024	1.909	1.689	2.348	22.85	311.9	.1318
#2	2.170	.0011	1.902	1.711	2.347	22.97	313.9	.1333
#3	2.180	.0048	1.911	1.704	2.339	22.87	313.2	.1311
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 828.5	1.787	1.913	*****	1.859	.0484	1.962	F 528.5
Stddev	3.8	.009	.006	----	.003	.0009	.001	1.4
%RSD	.4566	.5093	.3170	----	.1423	1.851	.0682	.2645
#1	827.3	1.776	1.909	----	1.861	.0495	1.964	528.1
#2	832.8	1.793	1.910	----	1.856	.0479	1.961	527.3
#3	825.6	1.791	1.920	----	1.860	.0480	1.962	530.0
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.143	2.059	1.490	1.904	7.171	1.823	W 2.040	1.776
Stddev	.008	.003	.003	.003	.179	.008	.010	.008
%RSD	.3623	.1235	.2157	.1781	2.497	.4304	.4774	.4725
#1	2.139	2.056	1.491	1.900	7.166	1.814	2.051	1.767
#2	2.139	2.061	1.487	1.904	7.353	1.829	2.036	1.784
#3	2.152	2.060	1.493	1.907	6.995	1.825	2.033	1.777

Raw Data MA59103 page 178 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-S1 Acquired: 8/7/2025 13:19:59 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	
Avg	1.751	1.612	1.905	
Stddev	.011	.007	.007	
%RSD	.6419	.4428	.3883	
#1	1.743	1.610	1.896	
#2	1.746	1.606	1.909	
#3	1.764	1.620	1.909	
Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4986.9	80012.	20880.	2716.5
Stddev	22.5	455.	100.	17.8
%RSD	.45130	.56856	.47738	.65711
#1	4989.2	80530.	20931.	2722.7
#2	5008.2	79828.	20765.	2730.4
#3	4963.4	79678.	20944.	2696.3

Raw Data MA59103 page 179 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-S2 Acquired: 8/7/2025 13:24:55 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0990	25.96	1.974	4.924	2.017	1.899	-.0024	F 260.7
Stddev	.0004	.04	.005	.017	.006	.004	.0008	3.9
%RSD	.4238	.1462	.2570	.3403	.2902	.2340	34.22	1.497
#1	.0985	25.99	1.970	4.910	2.019	1.900	-.0020	259.3
#2	.0993	25.97	1.980	4.943	2.022	1.895	-.0034	257.7
#3	.0993	25.92	1.973	4.921	2.011	1.903	-.0019	265.1
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.178	.0069	1.930	1.751	2.346	22.91	F 295.5	1.232
Stddev	.003	.0010	.001	.007	.001	.07	.3	.0004
%RSD	.1529	14.35	.0654	.4017	.0593	.2960	.0992	.3303
#1	2.175	.0079	1.931	1.743	2.346	22.89	295.8	1.228
#2	2.178	.0060	1.929	1.755	2.344	22.85	295.2	1.231
#3	2.182	.0066	1.930	1.755	2.347	22.98	295.4	1.236
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 775.7	1.840	1.923	*****	1.890	.0450	1.986	F 497.0
Stddev	4.1	.009	.001	----	.003	.0009	.002	.3
%RSD	.5258	.4887	.0487	----	.1800	1.903	.0749	.0613
#1	775.3	1.830	1.922	----	1.888	.0441	1.985	496.7
#2	771.9	1.847	1.923	----	1.888	.0458	1.988	497.0
#3	780.0	1.843	1.924	----	1.894	.0450	1.985	497.3
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.137	2.052	1.380	1.918	6.924	1.863	W 2.061	1.817
Stddev	.003	.008	.005	.004	.073	.003	.001	.007
%RSD	.1472	.3960	.3340	.2174	1.054	.1542	.0239	.3767
#1	2.135	2.044	1.379	1.922	6.881	1.860	2.061	1.810
#2	2.140	2.060	1.385	1.914	6.882	1.866	2.062	1.822
#3	2.135	2.054	1.376	1.919	7.008	1.864	2.061	1.821

Raw Data MA59103 page 180 of 267

Sample Name: MP56417-S2 Acquired: 8/7/2025 13:24:55 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.790	1.637	1.944
Stddev	.007	.006	.010
%RSD	.3688	.3884	.4971

#1	1.784	1.641	1.933
#2	1.789	1.630	1.952
#3	1.797	1.641	1.948

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5051.5	79878.	21061.	2764.9
Stddev	15.2	450.	169.	7.7
%RSD	.29996	.56391	.80266	.27978

#1	5068.8	80342.	21134.	2773.6
#2	5045.1	79851.	21181.	2762.2
#3	5040.6	79442.	20868.	2758.9

Raw Data MA59103 page 181 of 267

Sample Name: CCV Acquired: 8/7/2025 13:29:50 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2367	38.52	1.934	1.921	1.946	1.945	1.876	38.67	1.948
Stddev	.0008	.02	.004	.007	.001	.003	.007	.06	.002
%RSD	.3506	.0642	.2036	.3628	.0311	.1568	.3858	.1618	.1084

#1	2361	38.54	1.938	1.929	1.946	1.948	1.883	38.74	1.950
#2	2364	38.52	1.932	1.918	1.947	1.943	1.877	38.65	1.949
#3	2377	38.49	1.931	1.916	1.947	1.943	1.869	38.63	1.946

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.932	1.962	1.926	1.842	38.71	39.33	1.946	38.08	1.967
Stddev	.003	.001	.009	.013	.10	.14	.006	.10	.009
%RSD	.1751	.0232	.4664	.7251	.2458	.3611	.2854	.2535	.4662

#1	1.928	1.962	1.927	1.840	38.81	39.45	1.940	38.19	1.968
#2	1.933	1.962	1.916	1.856	38.70	39.38	1.947	38.04	1.958
#3	1.935	1.962	1.934	1.830	38.63	39.18	1.950	38.01	1.976

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.917	39.77	1.973	1.926	1.968	2.076	1.907	1.924	4.793
Stddev	.003	.05	.001	.003	.004	.022	.006	.005	.017
%RSD	.1534	.1357	.0600	.1281	.2094	1.047	.3314	.2689	.3599

#1	1.919	39.79	1.972	1.928	1.965	2.101	1.914	1.929	4.812
#2	1.919	39.81	1.973	1.923	1.966	2.067	1.907	1.923	4.789
#3	1.914	39.71	1.974	1.927	1.972	2.060	1.901	1.919	4.779

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

Raw Data MA59103 page 182 of 267

Sample Name: CCV Acquired: 8/7/2025 13:29:50 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.919	1.945	1.913	1.943	1.920	1.960	1.952	1.944
Stddev	.003	.004	.001	.006	.004	.009	.004	.004
%RSD	.1602	.1775	.0259	.3188	.2234	.4855	.2076	.2128

#1	1.920	1.943	1.913	1.950	1.919	1.971	1.951	1.942
#2	1.921	1.944	1.912	1.940	1.916	1.955	1.956	1.941
#3	1.915	1.949	1.913	1.939	1.925	1.953	1.948	1.948

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5645.9	82294.	23534.	3125.2
Stddev	4.4	378.	77.	5.2
%RSD	.07710	.45958	.32510	.16539

#1	5643.7	82378.	23526.	3120.0
#2	5650.9	82624.	23462.	3125.4
#3	5643.1	81881.	23615.	3130.3

Raw Data MA59103 page 183 of 267

Sample Name: CCB Acquired: 8/7/2025 13:34:31 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	.0076	.0012	.0082	.0003	.0002	-0.002	.0021	.0002
Stddev	.0000	.0047	.0008	.0008	.0001	.0000	.0003	.0011	.0000
%RSD	7.877	60.98	67.37	10.22	33.59	9.946	103.7	49.15	12.41

#1	-0.005	.0066	.0013	.0091	.0002	.0002	-0.002	.0015	.0002
#2	-0.005	.0035	.0003	.0079	.0003	.0002	-0.000	.0034	.0003
#3	-0.005	.0127	.0020	.0075	.0003	.0002	-0.005	.0016	.0002

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.062	-0.000	.0001	.0035	.0052	.1522	-0.009	-0.036	.0001
Stddev	.0034	.0000	.0003	.0006	.0009	.0278	.0004	.0089	.0000
%RSD	54.39	422.5	228.2	17.51	17.57	18.30	46.87	245.5	33.67

#1	-0.034	-0.000	.0002	.0042	.0048	.1842	-0.006	-0.136	.0002
#2	-0.053	-0.001	.0004	.0034	.0045	.1389	-0.014	.0036	.0001
#3	-0.0100	.0000	-0.002	.0030	.0062	.1335	-0.007	-0.009	.0001

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025	.8307	.0009	.0013	-0.0001	F .0609	.0006	-0.0019	.0026
Stddev	.0002	.0235	.0004	.0010	.0007	.0032	.0014	.0019	.0002
%RSD	7.611	2.827	44.91	76.12	620.9	5.325	233.5	96.64	8.772

#1	.0025	.8531	.0004	.0011	.0002	.0606	-0.008	-0.020	.0024
#2	.0027	.8327	.0010	.0004	-.0009	.0578	.0020	-0.037	.0027
#3	.0023	.8063	.0012	.0024	.0003	.0642	.0006	-0.000	.0028

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0500			
Low Limit						-.0500			

Raw Data MA59103 page 184 of 267

Sample Name: CCB Acquired: 8/7/2025 13:34:31 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0002	.0004	-.0002	.0006	.0192	.0001	.0007
Stddev	.0003	.0000	.0003	.0012	.0003	.0015	.0002	.0002
%RSD	37.01	14.93	63.14	520.9	49.40	8.046	123.4	22.92

#1	.0007	.0002	.0004	.0004	.0005	.0209	-.0001	.0008
#2	.0006	.0002	.0002	-.0016	.0004	.0179	.0002	.0005
#3	.0011	.0002	.0007	.0005	.0009	.0188	.0002	.0008

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5424.7	81439.	23298.	3157.3
Stddev	3.7	62.	193.	1.9
%RSD	.06860	.07617	.82892	.05935

#1	5421.8	81510.	23125.	3155.2
#2	5423.3	81396.	23261.	3157.9
#3	5428.9	81411.	23506.	3158.9

Raw Data MA59103 page 185 of 267

Sample Name: JE16540-1 Acquired: 8/7/2025 13:39:25 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019	.3965	-.0026	3.041	.0389	-.0007	.0042	F 259.6
Stddev	.0000	.0004	.0007	.012	.0001	.0000	.0015	2.3
%RSD	1.414	.1132	26.18	.3983	.2016	5.268	36.28	.8920

#1	.0019	.3960	-.0020	3.040	.0389	-.0007	.0048	262.2
#2	.0018	.3965	-.0024	3.030	.0390	-.0008	.0053	257.6
#3	.0019	.3969	-.0033	3.054	.0388	-.0007	.0025	259.1

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0030	.0020	.0002	.0020	-.0003	.1536	F 284.5	.1327
Stddev	.0002	.0009	.0002	.0004	.0011	.0011	.6	.0006
%RSD	6.256	44.69	109.3	20.10	378.2	6942	.2149	.4870

#1	-.0032	.0020	-.0000	.0024	-.0008	.1548	284.2	.1324
#2	-.0028	.0030	.0003	.0016	-.0010	.1526	284.1	.1335
#3	-.0029	.0011	.0002	.0019	.0009	.1535	285.2	.1323

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 835.9	.0115	.0083	*****	.0010	.0574	F -.0103	F 513.5
Stddev	2.2	.0001	.0003	----	.0000	.0007	.0015	1.1
%RSD	.2626	.4896	3.478	----	5.143	1.217	14.52	.2115

#1	838.4	.0116	.0081	----	.0010	.0574	-.0095	513.4
#2	834.3	.0115	.0086	----	.0009	.0581	-.0121	512.5
#3	834.9	.0115	.0082	----	.0009	.0567	-.0095	514.6

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-.0019	1.413	-.0036	5.166	.0006	-.0087	.0024
Stddev	.0019	.0011	.005	.0007	.117	.0003	.0038	.0004
%RSD	166.3	55.79	.3617	19.72	2.267	61.40	43.46	15.85

#1	.0010	-.0007	1.413	-.0030	5.301	.0007	-.0120	.0020
#2	.0030	-.0028	1.408	-.0044	5.103	.0008	-.0046	.0028
#3	-.0007	-.0021	1.419	-.0034	5.093	.0002	-.0096	.0024

Raw Data MA59103 page 186 of 267

Sample Name: JE16540-1 Acquired: 8/7/2025 13:39:25 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	.0073	.0011	.0003
Stddev	.0006	.0001	.0002
%RSD	8.829	11.41	67.40

#1	.0066	.0009	.0006
#2	.0078	.0011	.0001
#3	.0076	.0012	.0003

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4982.7	80134.	20098.	2813.1
Stddev	15.9	406.	110.	11.0
%RSD	.31999	.50707	.54757	.38953

#1	4969.5	79691.	20014.	2804.8
#2	5000.4	80223.	20223.	2825.6
#3	4978.3	80489.	20058.	2809.0

Raw Data MA59103 page 187 of 267

Sample Name: MP56417-SD1 Acquired: 8/7/2025 13:44:36 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0000	.3695	-.0011	3.039	.0381	-.0008	.0040	276.4	-.0030
Stddev	.0021	.0335	.0074	.039	.0002	.0001	.0078	.9	.0007
%RSD	4893.	9.060	677.6	1.273	.4088	14.47	192.1	.3327	24.06

#1	-.0023	.3329	.0026	3.008	.0380	-.0008	.0023	275.4	-.0023
#2	.0002	.3986	-.0096	3.026	.0380	-.0009	-.0027	277.2	-.0028
#3	.0019	.3769	.0038	3.082	.0383	-.0007	.0125	276.6	-.0037

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0145	-.0009	.0031	.0096	.1531	266.8	.1125	849.2	.0120
Stddev	.0056	.0004	.0005	.0035	.0057	1.8	.0003	3.0	.0003
%RSD	38.83	48.89	16.61	36.38	3.732	.6795	.2750	.3550	2.397

#1	.0183	-.0013	.0027	.0067	.1508	264.8	.1121	846.3	.0117
#2	.0172	-.0007	.0031	.0134	.1489	267.4	.1126	852.3	.0122
#3	.0080	-.0006	.0037	.0086	.1596	268.2	.1127	848.9	.0121

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0118	F 6210.	.0031	.0637	-.0040	F 581.9	-.0026	-.0078	1.321
Stddev	.0006	128.	.0001	.0067	.0025	7.2	.0069	.0040	.018
%RSD	5.496	2.054	3.966	10.50	62.66	1.230	266.4	50.66	1.392

#1	.0125	6065.	.0032	.0600	-.0069	575.6	-.0038	-.0033	1.309
#2	.0113	6258.	.0032	.0597	-.0034	580.4	-.0088	-.0109	1.311
#3	.0116	6307.	.0030	.0714	-.0019	589.7	.0048	-.0092	1.342

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0126	5.097	.0002	-.0162	.0056	.0479	.0044	.0020
Stddev	.0037	.019	.0010	.0135	.0012	.0008	.0007	.0006
%RSD	29.08	.3765	569.6	83.46	21.92	1.634	15.60	32.51

#1	-.0125	5.076	.0000	-.0050	.0051	.0486	.0036	.0027
#2	-.0090	5.101	.0012	-.0312	.0047	.0471	.0049	.0016
#3	-.0163	5.114	-.0007	-.0124	.0070	.0482	.0047	.0016

Raw Data MA59103 page 188 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-SD1 Acquired: 8/7/2025 13:44:36 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5578.8	85058.	21946.	3169.4
Stddev	3.1	211.	106.	2.9
%RSD	.05621	.24752	.48155	.09301

#1	5576.1	85301.	21932.	3166.1
#2	5578.0	84945.	21848.	3171.8
#3	5582.3	84928.	22058.	3170.4

Raw Data MA59103 page 189 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16540-2 Acquired: 8/7/2025 13:49:35 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	.8354	-.0025	3.031	.0478	-.0005	.0034	F 267.7
Stddev	.0005	.0035	.0004	.010	.0003	.0000	.0014	1.3
%RSD	30.68	.4226	14.42	.3310	.5259	7.511	42.34	.4883

#1	.0020	.8393	-.0026	3.020	.0481	-.0005	.0050	269.0
#2	.0011	.8348	-.0028	3.035	.0476	-.0006	.0026	267.6
#3	.0019	.8323	-.0021	3.038	.0476	-.0005	.0025	266.4

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0031	-.0028	.0013	.0269	.0404	.5001	F 298.7	.1386
Stddev	.0001	.0022	.0003	.0003	.0007	.0022	1.1	.0010
%RSD	1.724	79.09	20.12	1.216	1.809	.4378	.3715	.6944

#1	-.0030	-.0026	.0012	.0269	.0411	.5019	299.9	.1395
#2	-.0031	-.0052	.0016	.0273	.0397	.5008	298.4	.1386
#3	-.0030	-.0008	.0011	.0266	.0403	.4977	297.8	.1376

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 853.4	.1105	.0088	*****	.0288	.1663	F -.0064	F 530.2
Stddev	3.4	.0005	.0003	----	.0005	.0002	.0007	.9
%RSD	.3999	.4322	3.928	----	1.607	.1365	11.51	.1613

#1	856.8	.1108	.0092	----	.0292	.1662	-.0070	530.7
#2	849.9	.1108	.0085	----	.0283	.1662	-.0065	529.2
#3	853.6	.1100	.0087	----	.0289	.1666	-.0056	530.7

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-.0014	1.617	-.0034	5.461	.0070	-.0098	.0032
Stddev	.0002	.0019	.010	.0004	.149	.0003	.0010	.0002
%RSD	20.70	139.2	.6222	11.89	2.736	4.534	10.55	6.785

#1	.0013	-.0024	1.605	-.0031	5.598	.0068	-.0090	.0030
#2	.0009	.0008	1.622	-.0032	5.302	.0074	-.0094	.0034
#3	.0010	-.0027	1.623	-.0038	5.482	.0069	-.0109	.0031

Raw Data MA59103 page 190 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16540-2 Acquired: 8/7/2025 13:49:35 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	.0063	.0233	.0007
Stddev	.0005	.0003	.0001
%RSD	8.296	1.380	21.13

#1	.0067	.0236	.0008
#2	.0065	.0230	.0006
#3	.0057	.0234	.0005

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4951.6	79875.	20147.	2767.9
Stddev	12.6	61.	99.	8.4
%RSD	.25466	.07649	.48950	.30480

#1	4954.8	79838.	20064.	2772.5
#2	4962.2	79842.	20256.	2773.0
#3	4937.7	79946.	20119.	2758.2

Raw Data MA59103 page 191 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16540-3 Acquired: 8/7/2025 13:54:45 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018	.1000	-.0042	2.851	.0485	-.0007	.0041	F 246.3
Stddev	.0001	.0041	.0001	.004	.0001	.0000	.0009	1.0
%RSD	6.693	4.074	2.700	.1326	.2668	3.818	23.08	.4119

#1	.0016	.0974	-.0041	2.855	.0485	-.0006	.0041	247.5
#2	.0018	.1047	-.0043	2.847	.0483	-.0007	.0032	245.8
#3	.0018	.0979	-.0042	2.851	.0486	-.0007	.0050	245.7

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0027	.0022	.0001	.0064	.0940	.0829	F 282.2	.1287
Stddev	.0001	.0019	.0003	.0002	.0006	.0042	1.2	.0012
%RSD	2.151	86.23	539.2	2.351	.6078	5.094	.4382	.9269

#1	-.0028	.0039	.0003	.0063	.0935	.0869	281.6	.1287
#2	-.0027	.0027	.0001	.0066	.0946	.0785	281.4	.1275
#3	-.0028	.0001	-.0003	.0064	.0938	.0833	283.7	.1299

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 786.3	.0100	.0086	*****	.0080	.0247	.0252	F 507.9
Stddev	3.2	.0000	.0000	----	.0002	.0012	.0010	.7
%RSD	.4021	.2373	.4696	----	2.332	4.822	4.070	.1286

#1	787.3	.0100	.0087	----	.0082	.0246	.0264	507.8
#2	788.8	.0100	.0086	----	.0080	.0235	.0245	508.7
#3	782.7	.0100	.0086	----	.0078	.0259	.0247	507.4

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-.0018	1.322	-.0041	5.044	-.0002	-.0084	.0017
Stddev	.0011	.0018	.000	.0008	.135	.0002	.0024	.0002
%RSD	744.1	100.2	.0309	20.34	2.667	98.99	28.15	8.667

#1	-.0007	.0002	1.322	-.0050	4.892	-.0000	-.0092	.0016
#2	-.0002	-.0024	1.322	-.0035	5.094	-.0004	-.0057	.0019
#3	.0014	-.0032	1.322	-.0038	5.146	-.0002	-.0103	.0017

Raw Data MA59103 page 192 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16540-3 Acquired: 8/7/2025 13:54:45 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	W_2079 ppm	Zn2062 ppm	Zr3391 ppm	
Avg	.0053	.2938	.0004	
Stddev	.0020	.0012	.0001	
%RSD	37.02	.3957	21.37	
#1	.0069	.2925	.0004	
#2	.0058	.2947	.0003	
#3	.0031	.2941	.0005	
Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	4995.9	80902.	20649.	2779.8
Stddev	13.4	389.	116.	5.1
%RSD	26818.	.48089	.55995	.18201
#1	5010.5	80595.	20571.	2785.6
#2	4984.1	80772.	20594.	2775.9
#3	4993.0	81339.	20782.	2778.0

Raw Data MA59103 page 193 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16540-4 Acquired: 8/7/2025 13:59:54 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Cs3179 ppm
Avg	.0014	.0766	-.0034	2.928	.0389	-.0008	.0051	F 252.6
Stddev	.0003	.0049	.0005	.021	.0003	.0000	.0007	3.6
%RSD	25.88	6.451	14.05	.7123	.7413	2.564	12.86	1.418
#1	.0014	.0711	-.0039	2.909	.0386	-.0008	.0052	248.9
#2	.0010	.0779	-.0030	2.950	.0389	-.0008	.0057	256.1
#3	.0017	.0808	-.0033	2.926	.0391	-.0007	.0044	252.7
Elem Units	Cd2288 ppm	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm
Avg	F -.0032	.0021	.0004	.0029	-.0021	.0681	F 288.0	.1294
Stddev	.0003	.0020	.0001	.0004	.0006	.0011	1.0	.0008
%RSD	8.325	96.15	15.53	12.60	30.61	1.616	.3598	.5858
#1	-.0031	.0044	.0004	.0026	-.0014	.0674	287.0	.1296
#2	-.0035	.0008	.0005	.0028	-.0021	.0694	288.0	.1286
#3	-.0030	.0010	.0004	.0033	-.0027	.0676	289.1	.1301
Elem Units	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm
Avg	F 803.3	.0238	.0081	*****	.0053	.0116	F -.0063	F 518.7
Stddev	7.9	.0001	.0006	----	.0002	.0007	.0017	1.8
%RSD	.9875	.4262	7.382	----	4.416	6.345	27.16	.3533
#1	795.3	.0238	.0078	----	.0056	.0124	-.0055	517.3
#2	811.1	.0238	.0077	----	.0052	.0115	-.0082	520.8
#3	803.6	.0236	.0088	----	.0053	.0109	-.0051	518.1
Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm
Avg	.0005	-.0008	1.247	-.0034	5.125	-.0008	-.0089	.0011
Stddev	.0011	.0008	.009	.0004	.135	.0003	.0024	.0002
%RSD	229.7	97.33	.7304	13.17	2.625	33.31	27.13	18.10
#1	-.0005	-.0017	1.237	-.0038	5.007	-.0009	-.0073	.0011
#2	.0003	-.0003	1.255	-.0035	5.272	-.0010	-.0116	.0014
#3	.0016	-.0005	1.248	-.0029	5.096	-.0005	-.0077	.0010

Raw Data MA59103 page 194 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16540-4 Acquired: 8/7/2025 13:59:54 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	W_2079 ppm	Zn2062 ppm	Zr3391 ppm	
Avg	.0044	.0131	.0004	
Stddev	.0013	.0001	.0001	
%RSD	30.39	.7563	25.69	
#1	.0051	.0132	.0004	
#2	.0053	.0131	.0004	
#3	.0029	.0130	.0003	
Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	4970.1	80895.	20490.	2760.8
Stddev	20.5	374.	218.	15.3
%RSD	.41239	.46180	1.0645	.55448
#1	4991.5	81325.	20688.	2776.5
#2	4950.7	80661.	20256.	2745.9
#3	4968.0	80697.	20527.	2760.1

Raw Data MA59103 page 195 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16540-5 Acquired: 8/7/2025 14:05:04 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Cs3179 ppm
Avg	.0018	.1236	-.0034	3.000	.0513	-.0007	.0029	F 251.9
Stddev	.0004	.0030	.0003	.010	.0002	.0001	.0032	.4
%RSD	21.58	2.447	8.315	.3395	.3684	7.925	111.1	.1685
#1	.0017	.1201	-.0037	3.004	.0514	-.0006	.0036	252.1
#2	.0015	.1255	-.0034	2.988	.0515	-.0007	.0058	252.2
#3	.0023	.1252	-.0032	3.007	.0511	-.0007	-.0006	251.4
Elem Units	Cd2288 ppm	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm
Avg	F -.0030	-.0020	.0003	.0028	-.0028	.0752	F 288.2	.1316
Stddev	.0001	.0027	.0003	.0001	.0005	.0007	.2	.0011
%RSD	4.278	134.7	81.46	5.016	20.63	.9001	.0844	.8613
#1	-.0029	-.0046	.0002	.0027	-.0027	.0756	288.3	.1322
#2	-.0029	.0008	.0006	.0027	-.0020	.0744	288.4	.1323
#3	-.0031	-.0022	.0001	.0030	-.0030	.0756	288.0	.1303
Elem Units	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm
Avg	F 800.1	.0156	.0078	*****	.0033	.0110	F -.0066	F 519.1
Stddev	3.7	.0001	.0003	----	.0001	.0002	.0012	3.3
%RSD	.4649	.4106	3.790	----	3.582	2.258	18.16	.6443
#1	795.8	.0156	.0078	----	.0033	.0112	-.0061	521.7
#2	802.4	.0156	.0081	----	.0035	.0107	-.0080	515.4
#3	802.0	.0155	.0075	----	.0032	.0110	-.0057	520.4
Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm
Avg	.0013	-.0028	1.632	-.0044	5.105	-.0005	-.0061	.0013
Stddev	.0013	.0024	.008	.0005	.071	.0002	.0014	.0002
%RSD	96.37	85.62	.4684	11.00	1.386	42.04	22.39	14.40
#1	.0019	-.0002	1.636	-.0050	5.184	-.0005	-.0052	.0013
#2	-.0001	-.0049	1.624	-.0042	5.048	-.0003	-.0054	.0015
#3	.0021	-.0033	1.638	-.0041	5.084	-.0008	-.0077	.0011

Raw Data MA59103 page 196 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16540-5 Acquired: 8/7/2025 14:05:04 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	
Avg	.0037	.0161	.0003	
Stddev	.0014	.0002	.0001	
%RSD	38.42	1.422	34.60	
#1	.0051	.0161	.0003	
#2	.0024	.0158	.0005	
#3	.0035	.0162	.0002	
Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4959.1	80773.	20446.	2761.9
Stddev	30.2	278.	35.	18.2
%RSD	60887	.34444	.17167	.65851
#1	4948.2	80738.	20487.	2755.3
#2	4993.2	80513.	20426.	2782.4
#3	4935.9	81066.	20426.	2747.9

Raw Data MA59103 page 197 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16541-1 Acquired: 8/7/2025 14:10:15 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.2424	-.0024	2.259	.0960	-.0005	.0043	F 220.0
Stddev	.0000	.0038	.0009	.012	.0001	.0000	.0019	2.5
%RSD	3.333	1.561	37.56	.5126	.1284	6.700	44.05	1.131
#1	.0010	.2468	-.0014	2.257	.0958	-.0005	.0025	217.8
#2	.0010	.2400	-.0027	2.249	.0960	-.0005	.0062	222.7
#3	.0010	.2405	-.0030	2.272	.0961	-.0005	.0041	219.5
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0026	.0008	.0004	.0010	-.0035	.0579	F 244.8	.1050
Stddev	.0001	.0020	.0003	.0002	.0005	.0012	.5	.0006
%RSD	2.011	262.3	71.43	22.79	12.80	2.037	.1984	.5771
#1	-.0026	.0029	.0001	.0009	-.0040	.0578	244.3	.1056
#2	-.0026	.0005	.0005	.0012	-.0036	.0568	245.1	.1051
#3	-.0027	-.0011	.0005	.0008	-.0031	.0591	245.1	.1044
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 597.2	.0014	.0058	*****	.0004	.0071	F -.0080	F 420.2
Stddev	5.0	.0000	.0001	----	.0002	.0014	.0010	2.1
%RSD	.8388	3.161	2.097	----	43.90	19.62	12.47	.4947
#1	592.0	.0014	.0057	----	.0002	.0084	-.0074	418.6
#2	597.6	.0014	.0058	----	.0003	.0056	-.0092	419.4
#3	602.0	.0015	.0060	----	.0005	.0073	-.0075	422.5
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0006	2.447	-.0034	4.072	-.0007	-.0063	.0024
Stddev	.0006	.0029	.013	.0010	.106	.0002	.0014	.0003
%RSD	2594.	488.9	.5092	27.81	2.600	23.62	21.56	13.20
#1	-.0006	.0018	2.448	-.0023	3.950	-.0005	-.0053	.0023
#2	.0004	.0002	2.434	-.0040	4.140	-.0008	-.0057	.0022
#3	.0003	-.0038	2.459	-.0040	4.127	-.0008	-.0078	.0028

Raw Data MA59103 page 198 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16541-1 Acquired: 8/7/2025 14:10:15 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	
Avg	.0037	-.0015	.0002	
Stddev	.0007	.0002	.0001	
%RSD	19.42	12.08	40.81	
#1	.0045	-.0017	.0003	
#2	.0035	-.0015	.0003	
#3	.0031	-.0013	.0001	
Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5135.3	82048.	20753.	2880.1
Stddev	24.6	75.	166.	10.2
%RSD	.47988	.09112	.80009	.35568
#1	5159.7	82127.	20936.	2887.2
#2	5135.7	82038.	20713.	2884.8
#3	5110.4	81978.	20611.	2868.4

Raw Data MA59103 page 199 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16541-2 Acquired: 8/7/2025 14:15:25 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.3456	-.0020	2.217	.0961	-.0005	.0033	F 227.7
Stddev	.0000	.0087	.0020	.033	.0003	.0000	.0006	1.4
%RSD	5.243	2.523	99.31	1.504	.3597	5.725	19.42	.6144
#1	.0008	.3550	-.0026	2.255	.0963	-.0005	.0040	226.5
#2	.0009	.3439	-.0036	2.194	.0957	-.0005	.0028	229.2
#3	.0009	.3378	-.0002	2.202	.0963	-.0005	.0031	227.4
Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0028	.0045	-.0000	.0009	.0006	.0542	F 247.7	.1052
Stddev	.0001	.0027	.0004	.0001	.0002	.0005	.5	.0005
%RSD	2.014	59.61	964.9	13.22	27.27	.9650	.1819	.4716
#1	-.0029	.0072	-.0003	.0008	.0005	.0545	248.2	.1052
#2	-.0027	.0046	.0005	.0010	.0006	.0536	247.4	.1056
#3	-.0028	.0018	-.0003	.0010	.0008	.0545	247.5	.1046
Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 617.3	.0001	.0054	*****	.0005	.0118	F -.0057	F 423.3
Stddev	3.2	.0000	.0005	----	.0001	.0005	.0034	4.4
%RSD	.5169	15.97	8.441	----	18.12	4.098	60.33	1.030
#1	621.0	.0001	.0055	----	.0004	.0112	-.0027	428.3
#2	615.4	.0001	.0058	----	.0006	.0121	-.0094	420.5
#3	615.6	.0001	.0049	----	.0004	.0120	-.0049	421.1
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	-.0032	2.253	-.0041	4.139	-.0012	-.0079	.0028
Stddev	.0020	.0012	.037	.0015	.027	.0002	.0019	.0001
%RSD	168.7	35.75	1.651	36.97	.6582	20.00	24.07	2.963
#1	-.0010	-.0023	2.296	-.0034	4.112	-.0014	-.0090	.0027
#2	.0029	-.0045	2.229	-.0058	4.139	-.0009	-.0090	.0029
#3	.0017	-.0029	2.234	-.0030	4.167	-.0012	-.0057	.0028

Raw Data MA59103 page 200 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-2 Acquired: 8/7/2025 14:15:25 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	.0020	.0009	.0001
Stddev	.0003	.0001	.0002
%RSD	16.31	9.441	175.2

#1	.0017	.0008	-.0000
#2	.0024	.0009	.0000
#3	.0020	.0009	.0003

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5086.6	81209.	20161.	2891.9
Stddev	21.4	388.	127.	17.8
%RSD	.42017	.47781	.62957	.61613

#1	5062.0	80813.	20049.	2871.4
#2	5099.3	81589.	20136.	2903.2
#3	5098.6	81224.	20299.	2901.3

Raw Data MA59103 page 201 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-3 Acquired: 8/7/2025 14:20:34 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	1.231	-.0014	2.222	.0968	-.0005	.0010	F 235.6
Stddev	.0002	.006	.0017	.006	.0004	.0000	.0024	4.9
%RSD	18.27	.4516	119.0	.2907	.3677	4.143	231.2	2.083

#1	.0015	1.225	-.0016	2.223	.0967	-.0005	.0034	232.0
#2	.0010	1.234	.0004	2.215	.0971	-.0005	-.0014	241.2
#3	.0015	1.234	-.0030	2.228	.0964	-.0006	.0011	233.6

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0030	-.0036	.0003	.0010	.0004	.2171	F 253.9	.1055
Stddev	.0002	.0036	.0002	.0004	.0003	.0016	.5	.0004
%RSD	7.498	99.79	62.97	38.04	73.22	.7323	.1942	.3589

#1	-.0031	.0004	.0004	.0014	.0008	.2164	253.9	.1051
#2	-.0030	-.0045	.0001	.0007	.0002	.2189	254.4	.1057
#3	-.0027	-.0066	.0004	.0009	.0003	.2159	253.4	.1057

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 631.4	.0260	.0060	*****	.0009	.0377	F -.0061	F 432.4
Stddev	5.8	.0004	.0005	----	.0004	.0007	.0021	1.3
%RSD	.9151	1.366	8.498	----	48.03	1.799	34.01	.3082

#1	625.6	.0263	.0062	----	.0014	.0380	-.0037	432.9
#2	637.1	.0256	.0064	----	.0006	.0369	-.0077	430.9
#3	631.6	.0259	.0054	----	.0007	.0382	-.0068	433.4

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	-.0037	1.971	-.0037	4.221	-.0002	-.0071	.0025
Stddev	.0013	.0005	.009	.0006	.099	.0003	.0014	.0002
%RSD	496.0	13.03	4.380	15.71	2.342	165.3	19.48	7.401

#1	-.0012	-.0042	1.964	-.0031	4.129	-.0001	-.0072	.0026
#2	-.0008	-.0032	1.968	-.0042	4.326	-.0006	-.0084	.0025
#3	.0012	-.0038	1.981	-.0039	4.209	.0001	-.0056	.0023

Raw Data MA59103 page 202 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-3 Acquired: 8/7/2025 14:20:34 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	.0020	.0078	.0001
Stddev	.0009	.0002	.0002
%RSD	48.37	3.133	127.2

#1	.0014	.0079	.0001
#2	.0031	.0076	.0003
#3	.0014	.0081	-.0000

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5064.1	80299.	19651.	2868.1
Stddev	12.6	414.	186.	12.0
%RSD	.24940	.51560	.94581	.41859

#1	5055.6	79936.	19852.	2861.1
#2	5078.6	80750.	19486.	2881.9
#3	5058.1	80210.	19615.	2861.2

Raw Data MA59103 page 203 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-4 Acquired: 8/7/2025 14:25:45 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.5211	-.0021	2.232	.0957	-.0005	.0059	F 225.9
Stddev	.0004	.0021	.0008	.014	.0005	.0001	.0010	2.0
%RSD	69.98	.3960	37.18	.6239	.5041	10.09	16.63	.8956

#1	.0010	.5188	-.0013	2.240	.0951	-.0005	.0069	223.5
#2	.0004	.5218	-.0022	2.216	.0960	-.0005	.0058	226.8
#3	.0003	.5228	-.0029	2.241	.0959	-.0006	.0049	227.2

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0027	-.0040	.0002	.0017	.0077	.3830	F 247.0	.1045
Stddev	.0000	.0020	.0001	.0004	.0003	.0034	1.2	.0002
%RSD	1.733	49.43	55.75	23.23	3.245	.8941	.4964	.1490

#1	-.0027	-.0055	.0003	.0021	.0076	.3794	245.9	.1046
#2	-.0028	-.0047	.0003	.0016	.0076	.3862	246.8	.1046
#3	-.0028	-.0018	.0001	.0013	.0080	.3835	248.3	.1043

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 607.9	.0005	.0057	*****	.0009	.0133	F -.0072	F 428.4
Stddev	2.2	.0001	.0002	----	.0002	.0005	.0007	2.6
%RSD	.3555	18.37	2.798	----	24.51	3.551	9.560	.6136

#1	606.0	.0006	.0058	----	.0008	.0137	-.0078	429.5
#2	607.3	.0005	.0057	----	.0007	.0134	-.0064	425.4
#3	610.2	.0005	.0055	----	.0011	.0128	-.0073	430.2

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	-.0012	2.199	-.0053	4.169	-.0001	-.0068	.0023
Stddev	.0010	.0019	.012	.0009	.066	.0001	.0014	.0003
%RSD	104.9	151.2	.5593	17.67	1.584	87.44	20.32	12.63

#1	.0020	-.0025	2.204	-.0049	4.126	-.0003	-.0053	.0023
#2	.0011	.0009	2.185	-.0046	4.135	-.0000	-.0080	.0020
#3	-.0001	-.0021	2.208	-.0064	4.245	-.0001	-.0072	.0026

Raw Data MA59103 page 204 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-4 Acquired: 8/7/2025 14:25:45 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	.0021	.0030	.0002
Stddev	.0010	.0001	.0002
%RSD	49.70	4.506	62.41

#1	.0013	.0031	.0003
#2	.0017	.0029	.0003
#3	.0033	.0028	.0001

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5067.1	80544.	20157.	2845.9
Stddev	14.0	370.	152.	10.1
%RSD	.27532	.45881	.75264	.35629

#1	5054.5	80139.	20287.	2840.7
#2	5082.1	80863.	20192.	2857.6
#3	5064.8	80630.	19990.	2839.4

Raw Data MA59103 page 205 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-SD1 Acquired: 8/7/2025 16:43:12 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 250.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.383	-4.415	-0.736	3.238	.0273	-.0082	-4.751	228.2	-0.292
Stddev	.0487	.0936	.1347	.097	.0354	.0054	.0455	.3	.0077
%RSD	35.19	21.20	183.1	3.000	129.9	65.82	9.582	.1177	26.28

#1	-.1935	-.3927	.0237	3.230	.0681	-.0116	-.4650	228.0	-.0366
#2	-.1197	-.3825	-.2274	3.339	.0094	-.0020	-.4355	228.1	-.0297
#3	-.1016	-.5495	-.0171	3.145	.0044	-.0110	-.5249	228.5	-.0213

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.536	-0.0567	-0.120	.0272	-.3121	233.5	-1.387	563.0	-0.062
Stddev	.998	.0151	.1512	.0414	.4448	5.6	.1046	2.1	.0038
%RSD	64.96	26.68	1260.	152.1	142.5	2.383	75.41	.3698	61.61

#1	-.4375	-.0605	-.1028	-.0119	.1782	239.1	-.1566	562.7	-.0018
#2	-2.386	-.0400	-.1626	.0707	-.4246	233.4	-.0264	561.2	-.0079
#3	-1.784	-.0695	-.0958	.0229	-.6898	228.0	-.2333	565.3	-.0088

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0507	5383.	.0533	-.2256	.0782	440.5	-.3688	.0729	2.858
Stddev	.0489	11.	.1138	.1816	.1856	.9	.3409	.5794	.661
%RSD	96.43	.1972	213.6	80.52	237.3	.2078	92.45	794.7	23.14

#1	.1024	5371.	-.0749	-.0278	.2925	441.5	-.7475	.6906	2.478
#2	.0051	5385.	.1424	-.3849	-.0257	439.7	-.2724	-.0135	3.621
#3	.0447	5392.	.0923	-.2640	-.0321	440.3	-.0864	-.4584	2.474

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1579	3.759	-0.0053	-.2926	.0880	.5271	.2297	.0539
Stddev	.1106	.034	.0461	.4019	.0480	.2789	.0326	.0692
%RSD	70.04	.8994	863.8	137.3	54.56	52.91	14.20	128.3

#1	.0317	3.764	.0292	-.3776	.1164	.8480	.1936	.0629
#2	.2038	3.790	-.0577	.1450	.1151	.3904	.2570	-.0193
#3	.2381	3.723	.0124	-.6453	.0326	.3429	.2386	.1182

Raw Data MA59103 page 206 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56418-SD1 Acquired: 8/7/2025 16:43:12 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 250.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5400.2	81190.	22042.	3120.4
Stddev	4.2	249.	91.	.8
%RSD	.07691	.30668	.41321	.02685

#1	5404.8	81073.	22050.	3119.5
#2	5396.9	81476.	22129.	3120.8
#3	5398.8	81021.	21947.	3121.0

Raw Data MA59103 page 207 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-S1 Acquired: 8/7/2025 16:48:05 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0926	30.38	1.953	5.277	2.043	1.951	-.1225	317.6
Stddev	.0127	.32	.020	.008	.028	.025	.0573	4.5
%RSD	13.72	1.050	1.003	.1552	1.391	1.257	46.75	1.429

#1	.0951	30.60	1.954	5.274	2.012	1.930	-.1055	313.1
#2	.1039	30.53	1.933	5.271	2.047	1.945	-.0757	317.6
#3	.0789	30.02	1.972	5.286	2.068	1.978	-.1864	322.1

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.060	.0653	2.126	2.019	1.778	25.65	291.0	.0627
Stddev	.019	.0155	.015	.012	.042	.36	9.4	.0437
%RSD	.9107	23.80	.7089	.6153	2.372	1.402	3.231	69.68

#1	2.058	.0646	2.144	2.018	1.754	25.29	281.5	.0708
#2	2.041	.0501	2.119	2.007	1.752	25.65	291.1	.0155
#3	2.079	.0812	2.116	2.032	1.826	26.01	300.3	.1017

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	891.0	2.082	2.006	7392.	2.166	.1422	2.176	625.1
Stddev	10.2	.012	.023	241.	.027	.0309	.074	1.3
%RSD	1.140	.5665	1.133	3.261	1.228	21.76	3.411	.2138

#1	882.2	2.069	1.981	7115.	2.137	.1623	2.220	623.8
#2	888.7	2.085	2.025	7516.	2.189	.1576	2.218	625.0
#3	902.1	2.092	2.011	7546.	2.173	.1065	2.090	626.5

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.962	1.901	1.468	1.992	7.215	1.947	W 2.226	1.994
Stddev	.051	.068	.068	.018	.106	.012	.122	.010
%RSD	2.588	3.554	4.632	.9063	1.473	.6224	5.485	.5065

#1	1.937	1.825	1.446	1.989	7.105	1.946	2.151	1.986
#2	1.929	1.922	1.414	1.975	7.224	1.960	2.160	2.005
#3	2.020	1.955	1.544	2.011	7.317	1.936	2.367	1.991

Raw Data MA59103 page 208 of 267

Sample Name: MP56417-S1 Acquired: 8/7/2025 16:48:05 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.570	2.119	2.018
Stddev	.041	.005	.013
%RSD	2.579	.2571	.6557

#1	1.557	2.116	2.020
#2	1.537	2.115	2.004
#3	1.615	2.125	2.030

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5458.5	81370.	21394.	3145.5
Stddev	24.3	129.	124.	14.0
%RSD	.44487	.15887	.57961	.44656

#1	5471.6	81243.	21283.	3155.3
#2	5473.4	81501.	21528.	3151.9
#3	5430.5	81365.	21371.	3129.5

Raw Data MA59103 page 209 of 267

Sample Name: MP56417-S2 Acquired: 8/7/2025 16:53:00 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0524	25.59	2.075	5.161	2.037	1.966	-.0744	296.7
Stddev	.0231	.13	.011	.039	.036	.028	.0556	5.6
%RSD	44.02	.5221	.5451	.7454	1.776	1.429	74.78	1.891

#1	.0412	25.66	2.088	5.117	2.004	1.935	-.0503	290.7
#2	.0370	25.43	2.067	5.183	2.030	1.971	-.0349	297.6
#3	.0789	25.67	2.071	5.184	2.076	1.990	-.1380	301.8

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.134	-.4499	2.217	2.060	1.729	25.92	265.3	.0384
Stddev	.009	.2293	.029	.013	.005	.28	8.1	.0421
%RSD	.4332	50.96	1.294	.6514	.2921	1.079	3.040	109.7

#1	2.124	-.2096	2.186	2.059	1.729	25.61	256.9	-.0018
#2	2.139	-.4738	2.224	2.047	1.724	26.14	266.1	.0821
#3	2.140	-.6662	2.242	2.074	1.735	26.02	273.0	.0348

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	835.0	2.130	2.095	6663.	2.265	.1751	2.309	596.0
Stddev	12.5	.023	.017	87.	.039	.0346	.027	6.9
%RSD	1.492	1.087	.8119	1.305	1.717	19.74	1.167	1.162

#1	821.6	2.105	2.077	6570.	2.220	.2081	2.336	588.3
#2	837.2	2.133	2.097	6676.	2.284	.1392	2.282	597.8
#3	846.3	2.151	2.111	6742.	2.291	.1779	2.309	601.8

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.024	2.026	1.396	2.050	6.815	2.011	W 2.283	2.039
Stddev	.064	.155	.031	.021	.122	.034	.083	.002
%RSD	3.169	7.633	2.209	1.000	1.792	1.687	3.619	.1034

#1	1.955	1.850	1.369	2.043	6.691	1.982	2.363	2.041
#2	2.082	2.137	1.389	2.034	6.819	2.048	2.198	2.037
#3	2.036	2.093	1.430	2.073	6.935	2.002	2.287	2.039

Raw Data MA59103 page 210 of 267

Sample Name: MP56417-S2 Acquired: 8/7/2025 16:53:00 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.660	2.174	2.081
Stddev	.052	.020	.025
%RSD	3.122	.9201	1.204

#1	1.699	2.160	2.059
#2	1.601	2.165	2.076
#3	1.681	2.197	2.108

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5384.2	79744.	20750.	3114.9
Stddev	8.5	353.	145.	4.1
%RSD	.15848	.44236	.69940	.13103

#1	5388.1	79611.	20825.	3114.3
#2	5390.1	80144.	20582.	3119.3
#3	5374.4	79478.	20841.	3111.2

Raw Data MA59103 page 211 of 267

Sample Name: JE16540-1 Acquired: 8/7/2025 16:57:51 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0222	.6689	-.0178	3.351	.0453	-.0037	-.0529	292.7	-.0020
Stddev	.0217	.3602	.0284	.027	.0040	.0009	.0661	3.8	.0076
%RSD	97.82	53.85	159.3	.7988	8.875	24.18	125.1	1.282	373.2

#1	-.0105	.9982	.0115	3.346	.0430	-.0039	-.0935	288.4	.0021
#2	-.0473	.7241	-.0452	3.327	.0499	-.0027	-.0885	294.1	.0025
#3	-.0089	.2842	-.0197	3.380	.0429	-.0044	.0234	295.4	-.0107

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0705	-.0063	-.0058	.0265	.1119	268.6	.1040	877.6	.0131
Stddev	.2008	.0065	.0064	.0289	.0454	8.6	.0541	8.5	.0018
%RSD	284.7	102.9	114.5	109.4	40.57	3.218	51.98	.9694	13.75

#1	.0987	.0012	-.0127	.0580	.0608	258.8	.0742	867.8	.0151
#2	-.2924	-.0102	-.0040	.0200	.1274	265.2	.0715	882.6	.0117
#3	-.0179	-.0098	-.0002	.0013	.1475	275.8	.1665	882.5	.0124

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0109	7322.	.0325	.1518	.0587	629.3	.0002	-.0816	1.430
Stddev	.0126	170.	.0113	.0488	.0606	3.8	.0248	.0838	.020
%RSD	115.4	2.320	34.80	32.14	103.3	.6113	10630.	102.7	1.378

#1	.0104	7141.	.0312	.1826	.1278	626.3	.0244	-.1299	1.450
#2	-.0014	7347.	.0444	.1773	.0142	628.0	-.0252	.0152	1.429
#3	.0237	7478.	.0219	.0956	.0341	633.6	.0015	-.1300	1.411

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0195	5.186	-.0163	-.0534	-.0029	.0490	.0230	.0154
Stddev	.0313	.087	.0358	.0688	.0207	.0246	.0104	.0018
%RSD	160.7	1.679	219.7	128.8	721.6	50.30	45.43	11.96

#1	-.0482	5.098	.0235	-.0963	.0096	.0524	.0290	.0165
#2	.0139	5.190	-.0458	-.0900	.0086	.0228	.0109	.0165
#3	-.0242	5.272	-.0265	.0259	-.0268	.0718	.0290	.0133

Raw Data MA59103 page 212 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16540-1 Acquired: 8/7/2025 16:57:51 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5397.7	80221.	20764.	3129.2
Stddev	22.1	108.	196.	12.7
%RSD	.40871	.13423	.94611	.40484

#1	5401.1	80322.	20687.	3133.8
#2	5417.9	80232.	20618.	3138.9
#3	5374.2	80108.	20987.	3114.9

Raw Data MA59103 page 213 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-SD1 Acquired: 8/7/2025 17:02:51 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 250.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1502	-4204	.0562	4.315	.0952	-.0233	.3971	330.0	.0188
Stddev	.0896	.7464	.1696	.073	.0113	.0103	.3307	1.5	.0751
%RSD	59.64	177.5	301.6	1.697	11.86	44.08	83.29	.4626	399.1

#1	-.0663	.4280	-.1371	4.258	.1082	-.0130	.3593	329.4	.0417
#2	-.1398	-.7133	.1261	4.398	.0878	-.0235	.0869	331.8	.0798
#3	-.2446	-.9759	.1797	4.289	.0896	-.0336	.7451	329.0	-.0650

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0351	-.0246	-.0586	.0685	.1263	306.4	-.0658	979.1	.0029
Stddev	.2896	.0144	.0838	.0691	.2285	4.0	.2587	3.2	.0098
%RSD	825.6	58.62	143.1	100.9	180.8	1.309	393.0	.3253	341.9

#1	.2868	-.0094	-.1502	.0053	-.0835	308.6	-.0001	977.3	-.0084
#2	-.1176	-.0263	.0142	.1422	.0929	308.9	-.3511	982.8	.0093
#3	-.2744	-.0380	-.0396	.0579	.3697	301.8	.1537	977.3	.0076

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0213	8433.	.1144	.2803	.0549	667.7	-.2415	-.4200	2.123
Stddev	.0298	8.	.1009	.1110	.1337	1.2	.3745	.4409	.103
%RSD	140.2	.0932	88.19	39.59	243.6	.1844	155.1	105.0	4.856

#1	-.0551	8429.	.0111	.3491	.1668	669.1	-.6717	-.9289	2.063
#2	-.0097	8442.	.2128	.1523	.0910	667.0	.0113	-.1546	2.064
#3	.0010	8428.	.1194	.3395	-.0932	666.9	-.0641	-.1764	2.242

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0276	5.779	.0296	-.4884	.0866	-.0018	.0369	-.0260
Stddev	.2248	.021	.0464	.6527	.0273	.1151	.0225	.0855
%RSD	815.8	.3552	156.6	133.6	31.56	6485.	61.02	329.2

#1	-.0169	5.756	.0343	-.5364	.0736	.1266	.0426	.0721
#2	-.1717	5.794	.0736	-.1116	.1179	-.0958	.0121	-.0846
#3	.2713	5.787	-.0189	.1870	.0682	-.0362	.0560	-.0654

Raw Data MA59103 page 214 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56417-SD1 Acquired: 8/7/2025 17:02:51 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 250.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5260.1	78154.	20486.	3060.9
Stddev	13.3	281.	75.	10.0
%RSD	.25238	.35991	.36393	.32597

#1	5247.2	78477.	20469.	3054.3
#2	5259.4	78017.	20421.	3055.9
#3	5273.7	77967.	20567.	3072.3

Raw Data MA59103 page 215 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16540-2 Acquired: 8/7/2025 17:07:42 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0212	.6131	.0029	3.142	.0587	-.0027	-.0505	309.7	-.0049
Stddev	.0067	.3055	.0099	.033	.0014	.0013	.0202	1.5	.0065
%RSD	31.85	49.82	344.4	1.038	2.396	45.82	40.03	.4934	133.5

#1	-.0277	.3429	.0086	3.147	.0601	-.0013	-.0619	308.7	-.0107
#2	-.0142	.5519	-.0085	3.107	.0573	-.0033	-.0624	309.1	.0021
#3	-.0217	.9445	.0085	3.172	.0587	-.0036	-.0272	311.5	-.0060

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.2485	-.0166	.0235	.1031	.4209	285.2	.0800	925.9	.1265
Stddev	.1045	.0034	.0065	.0308	.1175	5.1	.0342	2.1	.0043
%RSD	42.07	20.26	27.43	29.91	27.91	1.796	42.72	.2304	3.390

#1	-.1415	-.0149	.0281	.1373	.4424	279.9	.0991	928.3	.1296
#2	-.3503	-.0204	.0263	.0943	.2941	285.7	.1003	924.3	.1283
#3	-.2536	-.0144	.0162	.0776	.5261	290.1	.0405	925.1	.1216

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	7897.	.0506	.2171	.0338	634.9	-.0327	-.0545	1.572
Stddev	.0122	.177.	.0189	.0328	.0434	2.8	.0559	.0518	.050
%RSD	3255.	2.246	37.34	15.10	128.4	.4342	170.8	95.12	3.186

#1	-.0010	7714.	.0490	.2521	.0483	632.8	-.0931	-.1066	1.582
#2	-.0111	7909.	.0702	.1872	.0682	638.1	-.0172	-.0537	1.616
#3	.0132	8068.	.0325	.2119	-.0150	634.0	-.0223	-.0030	1.517

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0135	5.470	.0113	-.0404	.0004	-.0383	.0755	.0166
Stddev	.0092	.051	.0148	.1025	.0125	.0593	.0051	.0074
%RSD	68.19	.9393	131.2	253.9	2833.	154.9	6.767	44.27

#1	.0240	5.413	.0157	.0631	-.0050	-.0427	.0701	.0245
#2	.0096	5.484	.0235	-.0422	-.0084	.0231	.0802	.0100
#3	.0069	5.513	-.0052	-.1419	.0148	-.0952	.0762	.0153

Raw Data MA59103 page 216 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16540-2 Acquired: 8/7/2025 17:07:42 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5371.7	79293.	20439.	3096.1
Stddev	14.0	377.	195.	7.2
%RSD	.26022	.47547	.95418	.23329

#1	5386.6	78858.	20269.	3104.3
#2	5369.8	79524.	20397.	3093.0
#3	5358.8	79498.	20652.	3090.9

Raw Data MA59103 page 217 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16540-3 Acquired: 8/7/2025 17:12:42 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.124	-1.202	-0.0309	2.930	0.0572	-0.0021	-0.0942	296.5	-0.0116
Stddev	.0105	.2256	.0510	.005	.0032	.0017	.0992	2.8	.0077
%RSD	84.82	187.7	165.1	.1709	5.678	83.04	105.3	.9384	67.02

#1	-0.123	-1.1050	.0214	2.935	.0606	-.0008	-.0369	293.7	-.0031
#2	-0.228	-.3530	-.0805	2.925	.0570	-.0014	-.2087	296.4	-.0183
#3	-.0019	-.0974	-.0336	2.930	.0541	-.0040	-.0370	299.3	-.0133

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0597	-0.0043	.0028	.1253	-0.0410	277.4	.0715	884.8	.0075
Stddev	.1384	.0015	.0229	.0411	.1463	2.5	.0175	9.1	.0011
%RSD	231.9	34.38	820.1	32.77	356.4	.9102	24.48	1.026	14.10

#1	-.0575	-.0049	.0048	.0789	.1069	274.6	.0856	876.9	.0073
#2	.0777	-.0054	-.0211	.1569	-.0443	278.2	.0771	882.9	.0065
#3	-.1992	-.0026	.0246	.1402	-.1857	279.4	.0519	894.7	.0086

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0000	7643.	.0000	-0.0234	.0670	598.5	-0.0775	-1.191	1.276
Stddev	.0061	204.	.0086	.0111	.1105	1.1	.0907	.0872	.012
%RSD	863400.	2.675	88550.	47.24	165.0	.1847	117.0	73.26	.8996

#1	.0060	7587.	.0100	-.0353	.1919	598.9	-.1679	-.0763	1.264
#2	-.0062	7472.	-.0049	-.0134	-.0183	597.2	.0134	-.0615	1.278
#3	.0003	7869.	-.0051	-.0217	.0274	599.3	-.0780	-.2195	1.286

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0104	5.235	.0050	-0.0693	.0242	.0189	.4113	.0049
Stddev	.0060	.012	.0246	.1082	.0117	.0398	.0095	.0079
%RSD	57.66	.2352	490.2	156.1	48.39	210.9	2.301	161.5

#1	.0170	5.220	-.0200	.0069	.0147	-.0101	.4223	.0128
#2	.0088	5.243	.0293	-.0217	.0373	.0025	.4064	.0047
#3	.0054	5.241	.0058	-.1931	.0205	.0642	.4054	-.0029

Raw Data MA59103 page 218 of 267

7.1
7◀ Zoom In ▶
Zoom Out

Sample Name: JE16540-3 Acquired: 8/7/2025 17:12:42 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5363.7	79012.	20301.	3092.0
Stddev	13.1	190.	158.	8.1
%RSD	.24343	.24016	.77702	.26178

#1	5348.9	79158.	20303.	3082.6
#2	5373.4	78798.	20458.	3096.9
#3	5369.0	79081.	20143.	3096.4

Raw Data MA59103 page 219 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: CCV Acquired: 8/7/2025 17:17:44 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.492	40.82	2.014	1.996	2.073	2.031	1.954	40.99	2.043
Stddev	.0010	.02	.004	.008	.002	.001	.007	.16	.005
%RSD	.4190	.0469	.1916	.4232	.0765	.0425	.3534	.3841	.2639

#1	.2502	40.84	2.018	2.001	2.072	2.030	1.961	41.16	2.049
#2	.2493	40.80	2.010	1.986	2.075	2.031	1.947	40.95	2.039
#3	.2481	40.82	2.014	2.000	2.073	2.032	1.953	40.85	2.040

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.059	2.069	2.065	1.915	41.00	42.36	2.086	40.54	2.110
Stddev	.004	.005	.003	.003	.04	.03	.003	.18	.004
%RSD	.1983	.2199	.1201	.1502	.1009	.0662	.1457	.4470	.2016

#1	2.064	2.072	2.065	1.914	41.04	42.35	2.084	40.73	2.113
#2	2.057	2.071	2.067	1.913	40.96	42.34	2.090	40.52	2.112
#3	2.056	2.064	2.062	1.918	41.01	42.39	2.085	40.37	2.105

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.015	42.66	2.084	2.026	2.094	2.052	1.990	2.016	5.007
Stddev	.005	.03	.005	.009	.003	.013	.005	.010	.017
%RSD	.2284	.0791	.2237	.4519	.1481	.6403	.2767	.5039	.3315

#1	2.020	42.68	2.087	2.036	2.094	2.062	1.996	2.027	5.024
#2	2.014	42.62	2.086	2.022	2.097	2.037	1.985	2.014	4.991
#3	2.012	42.67	2.078	2.019	2.091	2.056	1.990	2.007	5.005

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

Raw Data MA59103 page 220 of 267

Sample Name: CCV Acquired: 8/7/2025 17:17:44 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	W_2079 ppm	Zn2062 ppm	Zr3391 ppm
Avg	2.025	2.078	2.032	2.042	2.050	2.033	2.081	2.066
Stddev	.005	.059	.002	.004	.003	.004	.007	.003
%RSD	.2730	2.838	.0876	.1950	.1204	.2193	.3608	.1244
#1	2.026	2.133	2.032	2.043	2.051	2.038	2.086	2.068
#2	2.030	2.016	2.035	2.044	2.052	2.031	2.084	2.067
#3	2.019	2.085	2.031	2.037	2.047	2.030	2.072	2.063

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

Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5365.2	76925.	20563.	2975.6
Stddev	9.8	328.	164.	6.0
%RSD	.18280	.42654	.79984	.20198

#1	5368.3	76723.	20379.	2974.8
#2	5373.0	76749.	20695.	2982.0
#3	5354.2	77304.	20615.	2970.1

Raw Data MA59103 page 221 of 267

Sample Name: CCB Acquired: 8/7/2025 17:22:22 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm	Cd2288 ppm
Avg	-0.005	-0.0049	-0.002	0.007	0.002	0.000	-0.011	-0.013	-0.000
Stddev	.0004	.0071	.0006	.0006	.0001	.0000	.0017	.0026	.0001
%RSD	93.32	146.4	112.1	13.73	78.66	121.7	153.6	199.3	718.9
#1	-0.009	-0.120	-0.002	0.050	0.003	0.001	0.008	0.017	-0.001
#2	-0.000	-0.049	-0.013	0.039	0.000	0.000	-0.018	-0.031	0.001
#3	-0.005	.0023	-0.002	0.051	0.002	-0.000	-0.024	-0.026	-0.001

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

Elem Units	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm	Mg2790 ppm	Mn2576 ppm
Avg	-0.047	-0.0004	-0.0000	-0.009	0.013	0.076	-0.006	-0.010	-0.000
Stddev	.0015	.0001	.0001	.0006	.0012	.0162	.0009	.0174	.0000
%RSD	31.95	35.35	160.0	61.83	98.99	28.07	144.1	1697.	237.6
#1	-0.061	-0.005	-0.001	-0.007	.0025	.0618	-0.001	.0153	-0.001
#2	-0.031	-0.004	.0000	-0.005	.0012	.0397	-0.016	-0.193	.0000
#3	-0.050	-0.002	-0.001	-0.016	.0000	.0712	-0.001	.0009	-0.000

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

Elem Units	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm
Avg	0.013	.2299	0.000	-0.013	0.005	0.073	0.005	-0.007	0.132
Stddev	.0002	.0031	.0004	.0006	.0006	.0022	.0011	.0025	.0007
%RSD	19.24	1.343	737.0	47.55	106.7	29.85	208.4	342.5	5.259
#1	.0010	.2309	-0.001	-0.012	.0012	.0064	.0013	.0014	.0140
#2	.0014	.2324	-0.002	-0.007	.0001	.0098	-0.008	-0.001	.0130
#3	.0014	.2265	.0005	-0.019	.0003	.0057	.0011	-0.034	.0126

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

Raw Data MA59103 page 222 of 267

Sample Name: CCB Acquired: 8/7/2025 17:22:22 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	W_2079 ppm	Zn2062 ppm	Zr3391 ppm
Avg	.0008	.0001	.0004	-0.0005	.0005	.0006	.0002	-0.0000
Stddev	.0005	.0000	.0003	.0004	.0002	.0014	.0001	.0002
%RSD	87.65	45.30	75.02	84.43	40.56	241.7	88.04	1283.
#1	.0010	.0001	.0001	-0.007	.0005	.0005	.0003	-0.002
#2	.0007	.0001	.0004	-0.000	.0007	.0019	.0001	.0002
#3	.0000	.0001	.0007	-0.006	.0003	-0.008	.0000	.0000

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

Int. Std. Units	In2306 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S	Y_2243 Cts/S
Avg	5216.5	77413.	21084.	3030.7
Stddev	15.1	198.	248	9.0
%RSD	.28908	.25556	1.1742	.29700

#1	5222.5	77582.	20929.	3036.8
#2	5199.4	77462.	20953.	3020.3
#3	5227.7	77195.	21369.	3034.9

Raw Data MA59103 page 223 of 267

Sample Name: JE16540-4 Acquired: 8/7/2025 17:27:15 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be3130 ppm	Bi2230 ppm	Ca3179 ppm	Cd2288 ppm
Avg	-0.007	.0211	-0.028	3.046	.0433	-0.013	.1002	287.3	.0014
Stddev	.0084	.1310	.0450	.015	.0043	.0023	.0576	.4	.0010
%RSD	1169.	621.9	216.7	.5011	9.900	175.9	57.50	.1416	71.26
#1	.0086	-0.110	.0035	3.063	.0474	-0.038	.0392	286.9	.0024
#2	-0.030	.1651	.0069	3.040	.0438	-0.007	.1079	287.3	.0004
#3	-0.077	-0.0909	-0.0727	3.034	.0388	.0006	.1536	287.7	.0013

Elem Units	Ce4040 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Li6707 ppm	Mg2790 ppm	Mn2576 ppm
Avg	-0.039	.0023	.0148	-0.0750	.0412	278.3	.0911	857.2	.0312
Stddev	.1056	.0099	.0155	.0403	.0427	1.9	.0314	1.4	.0015
%RSD	195.9	434.8	104.1	53.79	103.6	.6932	34.52	.1590	4.810
#1	.0389	.0049	.0265	-0.365	.0707	276.6	.1258	855.6	.0295
#2	-0.0318	-0.087	.0207	-0.1169	-0.077	277.9	.0645	857.9	.0321
#3	-.1688	.0106	-0.027	-0.0714	.0605	280.4	.0830	858.0	.0321

Elem Units	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	P_1774 ppm	Pb2203 ppm	S_1820 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm
Avg	.0331	.7524	.0231	.0215	-0.0270	607.9	-0.0478	-0.0305	1.259
Stddev	.0073	.65	.0152	.0733	.0115	1.3	.0240	.0279	.045
%RSD	21.98	.8593	66.01	341.1	42.71	.2153	50.28	91.34	3.591
#1	.0323	.7573.	.0235	-0.0212	-0.0169	609.3	-0.0296	-0.0026	1.289
#2	.0408	.7451.	.0076	-0.0204	-0.0395	606.7	-0.0750	-0.0583	1.280
#3	.0263	.7549.	.0380	.1062	-0.0244	607.6	-0.0387	-0.0306	1.207

Elem Units	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	W_2079 ppm	Zn2062 ppm	Zr3391 ppm
Avg	.0099	5.205	.0186	-0.0617	.0152	.0233	.0377	.0024
Stddev	.0190	.024	.0186	.1282	.0071	.0319	.0080	.0068
%RSD	190.7	.4528	99.66	207.8	46.82	136.8	21.34	281.0
#1	.0116	5.179	.0265	-0.1979	.0119	-0.0129	.0455	.0102
#2	.0280	5.209	.0320	-0.0566	.0233	.0472	.0380	-0.0004
#3	-0.0098	5.226	-0.0026	-0.0437	.0103	.0356	.0295	-0.0025

Raw Data MA59103 page 224 of 267

Sample Name: JE16540-4 Acquired: 8/7/2025 17:27:15 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5458.2	80903.	21204.	3125.1
Stddev	15.6	273.	105.	8.8
%RSD	.28559	.33744	.49304	.28103
#1	5442.5	81025.	21085.	3116.5
#2	5473.7	80591.	21251.	3134.1
#3	5458.4	81094.	21278.	3124.6

Raw Data MA59103 page 225 of 267

Sample Name: JE16540-5 Acquired: 8/7/2025 17:32:16 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0258	.0041	-.0334	3.106	.0580	-.0032	-.0066	290.2	-.0086
Stddev	.0188	.2720	.0816	.044	.0029	.0021	.0739	.7	.0028
%RSD	72.92	6572.	244.0	1.424	4.981	65.69	1121.	.2417	32.65
#1	.0474	.3175	.0605	3.094	.0556	-.0008	.0234	290.6	-.0091
#2	.0134	-.1708	-.0863	3.069	.0573	-.0045	-.0908	290.6	-.0056
#3	.0165	-.1343	-.0745	3.155	.0612	-.0044	-.0077	289.4	-.0111
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.2789	-.0152	.0089	-.0335	-.0154	277.2	.0607	858.0	.0165
Stddev	.0468	.0125	.0087	.0348	.0335	.3	.0190	3.6	.0035
%RSD	16.77	82.79	98.08	103.8	218.0	.1008	31.35	.4163	21.09
#1	-.3255	-.0244	-.0012	.0013	-.0530	277.5	.0403	858.3	.0205
#2	-.2320	-.0009	.0141	-.0336	.0115	277.1	.0779	861.4	.0139
#3	-.2791	-.0202	.0138	-.0683	-.0046	277.0	.0641	854.2	.0152
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0192	7560.	.0282	.0787	-.0409	608.9	-.0482	-.0714	1.582
Stddev	.0045	128.	.0133	.0926	.0577	.6	.0093	.0668	.040
%RSD	23.58	1.696	47.26	117.6	140.9	.1051	19.22	93.59	2.523
#1	.0191	7525.	.0133	.1684	-.0477	609.1	-.0588	-.0625	1.542
#2	.0238	7702.	.0325	.0845	.0199	608.2	-.0414	-.1422	1.622
#3	.0148	7452.	.0389	-.0166	-.0949	609.4	-.0445	-.0095	1.582
Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	.0029	5.203	.0362	-.0469	.0249	-.0082	.0416	.0025	
Stddev	.0720	.020	.0280	.0921	.0096	.0219	.0041	.0089	
%RSD	2485.	.3751	77.44	196.2	38.69	267.8	9.925	361.9	
#1	-.0479	5.197	.0582	-.0493	.0244	.0004	.0454	.0128	
#2	-.0287	5.187	.0046	-.1378	.0347	.0082	.0421	-.0027	
#3	.0853	5.225	.0457	.0463	.0155	-.0331	.0372	-.0026	

Raw Data MA59103 page 226 of 267

Sample Name: JE16540-5 Acquired: 8/7/2025 17:32:16 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5420.4	80580.	21159.	3117.8
Stddev	10.3	355.	126.	8.9
%RSD	.18997	.44078	.59511	.28535
#1	5415.0	80968.	21258.	3108.0
#2	5414.0	80271.	21018.	3120.3
#3	5432.3	80501.	21203.	3125.3

Raw Data MA59103 page 227 of 267

Sample Name: JE16541-1 Acquired: 8/7/2025 17:37:17 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0157	.2350	.0301	2.571	.0914	-.0033	.1579	226.6	-.0070
Stddev	.0049	.3498	.0729	.026	.0035	.0013	.0630	12.3	.0025
%RSD	31.00	148.8	242.3	1.024	3.865	38.47	39.89	5.410	36.29
#1	-.0213	-.0132	.0024	2.544	.0922	-.0048	.1076	215.1	-.0094
#2	-.0123	.0831	.1128	2.597	.0875	-.0027	.1376	225.1	-.0073
#3	-.0136	.6350	-.0250	2.571	.0944	-.0025	.2286	239.5	-.0043
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0350	-.0016	-.0055	-.0409	-.0104	210.6	.0623	568.2	.0011
Stddev	.2243	.0231	.0034	.0059	.0129	13.7	.0362	30.4	.0023
%RSD	641.8	1434.	61.74	14.36	123.4	6.481	58.10	5.355	195.9
#1	.1134	-.0229	-.0074	-.0344	.0030	198.4	.0311	541.0	-.0012
#2	.0748	.0230	-.0074	-.0458	-.0117	207.9	.1019	562.6	.0014
#3	-.2930	-.0049	-.0016	-.0426	-.0226	225.3	.0537	601.1	.0032
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	5229.	.0020	.0941	.0493	507.1	-.0684	-.0092	2.550
Stddev	.0124	311.	.0064	.0110	.0203	5.8	.0434	.0912	.063
%RSD	5398.	5.939	321.2	11.64	41.24	1.141	63.46	993.3	2.476
#1	-.0047	4937.	.0092	.0815	.0262	500.8	-.0755	.0143	2.488
#2	.0144	5196.	-.0031	.1004	.0647	508.3	-.0219	.0680	2.614
#3	-.0090	5555.	-.0001	.1005	.0569	512.2	-.1078	-.1098	2.547
Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	.0098	3.695	-.0068	-.0189	-.0023	-.0799	.0175	-.0009	
Stddev	.0332	.193	.0387	.0259	.0225	.0649	.0049	.0055	
%RSD	338.2	5.217	568.8	137.0	990.7	81.23	28.03	598.5	
#1	.0472	3.505	.0341	-.0073	.0184	-.0294	.0209	-.0049	
#2	-.0161	3.690	-.0427	-.0444	-.0262	-.0573	.0119	.0053	
#3	-.0017	3.891	-.0118	-.0196	.0010	-.1532	.0197	-.0032	

Raw Data MA59103 page 228 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-1 Acquired: 8/7/2025 17:37:17 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5382.2	80435.	21044.	3104.5
Stddev	6.1	187.	48.	4.7
%RSD	.11256	.23271	.22838	.15137

#1 5377.2 80514. 21094. 3099.1
#2 5389.0 80221. 21040. 3106.2
#3 5380.5 80569. 20998. 3108.0

Raw Data MA59103 page 229 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-2 Acquired: 8/7/2025 17:42:10 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0463	.1787	.0143	2.517	.0913	-0019	-0664	226.4	-0138
Stddev	.0225	.0850	.0069	.023	.0032	.0009	.0110	7.5	.0021
%RSD	48.61	47.55	48.51	.9096	3.470	49.08	16.53	3.317	15.43

#1 -.0268 .2191 .0209 2.490 .0877 -.0009 -.0544 218.9 -.0150
#2 -.0412 .0811 .0071 2.527 .0933 -.0019 -.0689 226.5 -.0150
#3 -.0709 .2360 .0149 2.533 .0930 -.0027 -.0759 233.9 -.0113

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0339	-0018	.0062	-0858	-0603	202.7	.0610	573.6	.0001
Stddev	.2839	.0136	.0114	.0422	.0663	10.2	.0459	17.6	.0018
%RSD	838.5	745.3	184.5	49.20	109.9	5.027	75.37	3.076	1291.

#1 .2489 .0004 -.0051 -.0795 -.0451 192.0 .0097 555.6 -.0016
#2 -.0316 -.0164 .0176 -.0471 -.1328 203.8 .0746 574.3 .0021
#3 -.3189 .0105 .0060 -.1309 -.0029 212.3 .0985 590.8 -.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0105	5141.	.0232	.1025	-0462	504.6	-0531	.0277	2.336
Stddev	.0260	.222.	.0131	.0185	.0430	5.8	.0274	.0470	.048
%RSD	248.9	4.326	56.30	18.03	93.06	1.150	51.69	170.0	2.038

#1 -.0181 4926. .0318 .0818 -.0290 498.7 -.0470 .0186 2.285
#2 .0329 5127. .0082 .1174 -.0144 505.0 -.0292 -.0142 2.380
#3 .0165 5370. .0296 .1082 -.0950 510.3 -.0830 .0785 2.341

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0165	3.696	.0274	-1845	.0334	-0287	.0333	-0156
Stddev	.0033	.119	.0128	.0388	.0060	.0671	.0104	.0078
%RSD	20.19	3.230	46.68	21.05	17.87	233.9	31.30	50.15

#1 -.0198 3.578 .0404 -.2109 .0336 -.1014 .0353 -.0070
#2 -.0166 3.693 .0270 -.1399 .0392 -.0154 .0427 -.0176
#3 -.0131 3.816 .0148 -.2028 .0273 .0308 .0221 -.0222

Raw Data MA59103 page 230 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-2 Acquired: 8/7/2025 17:42:10 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5348.6	79530.	20683.	3099.0
Stddev	16.6	261.	40.	8.1
%RSD	.31056	.32808	.19557	.26032

#1 5329.9 79794. 20711. 3089.8
#2 5361.6 79273. 20637. 3104.8
#3 5354.4 79524. 20701. 3102.4

Raw Data MA59103 page 231 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-3 Acquired: 8/7/2025 17:47:03 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0442	4.170	-0048	2.491	.0927	-0027	.0559	233.6	-0037
Stddev	.0179	.262	.0017	.035	.0064	.0035	.0905	5.8	.0054
%RSD	40.42	6.273	34.57	1.410	6.954	129.2	161.8	2.488	145.5

#1 -.0598 4.007 -.0029 2.507 .0856 -.0055 .0839 229.1 -.0066
#2 -.0480 4.471 -.0056 2.516 .0982 -.0038 .1291 231.6 -.0069
#3 -.0247 4.031 -.0060 2.451 .0944 .0012 -.0453 240.1 .0025

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1461	-0069	-0079	.0083	.1033	208.5	.0561	587.5	.0284
Stddev	.0542	.0065	.0097	.0356	.0990	7.9	.0428	14.9	.0025
%RSD	37.07	94.30	123.6	427.1	95.87	3.796	76.35	2.533	8.757

#1 -.2002 -.0142 .0006 .0377 .1726 .0009 .0820 577.2 .0279
#2 -.1461 -.0044 -.0185 -.0312 .1473 208.0 .0067 580.7 .0262
#3 -.0919 -.0020 -.0057 .0185 -.0101 216.7 .0797 604.5 .0311

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0099	5305.	.0041	.1601	.0375	516.3	-0210	-0909	2.043
Stddev	.0154	.191.	.0059	.0509	.0492	3.2	.0405	.1770	.028
%RSD	156.1	3.600	143.7	31.81	131.2	.6145	192.8	194.6	1.366

#1 -.0139 5138. .0050 .1628 -.0193 513.0 -.0161 -.0063 2.041
#2 .0072 5264. -.0022 2095 .0673 516.6 -.0188 .0279 2.016
#3 -.0229 5513. .0096 .1078 .0646 519.3 -.0637 -.2944 2.072

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0180	3.776	-0065	-0350	.0237	-0083	.0445	-0154
Stddev	.0338	.093	.0208	.0853	.0098	.0240	.0057	.0276
%RSD	188.0	2.454	319.5	243.9	41.20	289.1	12.78	178.8

#1 -.0169 3.695 .0174 -.0301 .0226 -.0336 .0414 .0114
#2 .0505 3.756 -.0167 .0478 .0340 -.0055 .0410 -.0437
#3 .0202 3.877 -.0203 -.1226 .0145 .0142 .0510 -.0140

Raw Data MA59103 page 232 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-3 Acquired: 8/7/2025 17:47:03 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5324.6	78825.	20641.	3088.3
Stddev	11.8	119.	88.	8.4
%RSD	.22137	.15126	.42642	.27071

#1	5313.2	78796.	20540.	3078.7
#2	5323.8	78957.	20702.	3092.4
#3	5336.7	78724.	20681.	3093.8

Raw Data MA59103 page 233 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-4 Acquired: 8/7/2025 17:51:55 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0225	.3007	-0.0022	2.242	.0942	-0.0025	.0381	232.9	-0.0179
Stddev	.0330	.1956	.0376	.046	.0049	.0027	.0974	5.3	.0049
%RSD	146.6	65.05	1735.	2.031	5.168	106.0	255.5	2.292	27.58

#1	-.0104	.3316	-.0225	2.190	.0907	.0005	.1177	227.7	-.0225
#2	-.0598	.0915	-.0252	2.269	.0922	-.0033	.0670	232.6	-.0127
#3	.0027	.4790	.0412	2.269	.0998	-.0047	-.0704	238.4	-.0185

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0782	.0001	-0.0029	-0.0184	.2221	213.1	.0544	587.4	.0035
Stddev	.2173	.0179	.0206	.0076	.0872	9.8	.0989	13.6	.0033
%RSD	277.9	19440.	707.1	41.37	39.25	4.591	181.9	2.311	93.90

#1	.2656	-.0190	.0165	-.0113	.1677	203.5	.1686	575.0	.0074
#2	-.1599	.0028	-.0006	-.0264	.3227	212.9	-.0039	585.4	.0012
#3	.1289	.0165	-.0246	-.0176	.1760	223.0	-.0015	601.9	.0021

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	5364.	.0107	.1285	.0649	458.4	-0.0014	-0.0514	2.087
Stddev	.0104	193.	.0099	.0432	.0451	2.0	.0528	.0707	.052
%RSD	3646.	3.594	91.75	33.62	69.51	4.391	3743.	137.4	2.499

#1	.0082	5170.	.0000	.1779	.0444	457.1	.0556	.0114	2.038
#2	.0042	5366.	.0194	.1097	.0337	457.5	-.0111	-.1280	2.142
#3	-.0115	5555.	.0128	.0979	.1167	460.7	-.0487	-.0378	2.082

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0523	3.754	.0054	-0.0433	-0.0014	-0.0626	.0348	-0.0099
Stddev	.0385	.096	.0070	.0896	.0145	.0497	.0050	.0085
%RSD	73.56	2.566	128.3	206.8	1034.	79.50	14.47	85.36

#1	-.0896	3.656	-.0026	.0536	.0069	-.0963	.0290	-.0002
#2	-.0128	3.758	.0092	-.0605	.0070	-.0860	.0373	-.0151
#3	-.0545	3.849	.0097	-.1230	-.0181	-.0054	.0381	-.0145

Raw Data MA59103 page 234 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-4 Acquired: 8/7/2025 17:51:55 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5339.0	78970.	20381.	3095.3
Stddev	20.3	313.	216.	13.1
%RSD	.38034	.39583	1.0608	.42250

#1	5361.3	78782.	20164.	3109.5
#2	5321.6	78796.	20597.	3083.7
#3	5334.0	79330.	20383.	3092.9

Raw Data MA59103 page 235 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-5 Acquired: 8/7/2025 17:56:47 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0174	.2396	-.0087	2.202	.1099	.0069	-.0668	242.7	-.0034
Stddev	.0155	.1309	.0930	.025	.0076	.0017	.0500	1.7	.0095
%RSD	89.20	54.61	1068.	1.117	6.924	25.07	74.82	.7155	281.6

#1	-.0034	.1055	-.1078	2.216	.1187	.0063	-.0624	244.7	.0055
#2	-.0147	.2463	.0049	2.217	.1059	.0056	-.1188	241.8	-.0133
#3	-.0340	.3670	.0767	2.174	.1052	.0089	-.0192	241.5	-.0022

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0547	-0.0005	.0095	.0068	.1456	229.8	.0588	607.8	.0093
Stddev	.0315	.0066	.0172	.0278	.0468	1.1	.0031	5.0	.0008
%RSD	57.66	1316.	180.0	407.8	32.11	.4915	5.355	.8195	8.591

#1	-.0293	.0071	-.0063	.0292	.1731	229.7	.0622	613.3	.0102
#2	-.0448	-.0034	.0071	.0156	.0916	228.7	.0561	606.6	.0093
#3	-.0900	-.0052	.0278	-.0243	.1721	230.9	.0579	603.5	.0085

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0146	5710.	.0176	.0439	.1056	454.0	-0.0531	-0.0756	1.912
Stddev	.0019	12.	.0275	.0513	.0643	2.6	.0342	.0487	.028
%RSD	12.81	.2083	156.3	116.7	60.89	.5643	64.33	64.49	1.449

#1	.0162	5724.	.0321	.0375	.0778	456.8	-.0401	-.1111	1.936
#2	.0125	5703.	.0349	-.0038	.0599	453.4	-.0919	-.0200	1.882
#3	.0150	5704.	-.0141	.0981	.1792	451.8	-.0274	-.0956	1.918

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0080	3.956	.0057	-0.0669	.0052	-0.0765	.0189	.0106
Stddev	.0153	.007	.0117	.0311	.0080	.0259	.0087	.0019
%RSD	191.5	.1753	207.7	46.51	155.1	33.84	45.94	17.92

#1	-.0256	3.948	.0185	-.0967	-.0029	-.0984	.0217	.0106
#2	.0009	3.961	.0030	-.0346	.0132	-.0833	.0092	.0125
#3	.0008	3.959	-.0045	-.0696	.0052	-.0479	.0258	.0087

Raw Data MA59103 page 236 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16541-5 Acquired: 8/7/2025 17:56:47 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH-NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5349.4	79473.	20821.	3088.9
Stddev	4.5	535.	318.	2.7
%RSD	.08384	.67284	1.5287	.08862

#1	5349.7	79591.	20459.	3086.4
#2	5344.8	79939.	20950.	3088.5
#3	5353.8	78889.	21055.	3091.8

Raw Data MA59103 page 237 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16233-2A 7 Acquired: 8/7/2025 18:01:39 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MP56406/TCLP

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0030	.9040	-0.0059	.0463	.1993	.0001	.0014	34.93	-0.0003
Stddev	.0019	.0390	.0006	.0032	.0085	.0002	.0022	1.34	.0005
%RSD	65.58	4.316	11.00	7.017	4.247	276.5	161.9	3.824	176.1

#1	-0.0052	.9468	-0.0051	.0494	.2080	.0002	-0.0002	36.25	-0.0009
#2	-0.0021	.8945	-0.0062	.0466	.1988	.0001	.0004	34.95	-0.0003
#3	-0.0016	.8705	-0.0063	.0429	.1910	-0.0001	.0039	33.58	.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0106	-0.0007	.0009	-0.0031	.5907	3.860	-0.0013	3.371	.0965
Stddev	.0048	.0004	.0011	.0006	.0264	.133	.0021	.151	.0036
%RSD	44.84	60.81	119.8	18.83	4.464	3.453	169.2	4.485	3.694

#1	.0097	-0.0002	.0008	-0.0030	.6105	3.873	-0.0017	3.542	.1000
#2	.0064	-0.0007	-0.0002	-0.0026	.6007	3.986	-0.0031	3.316	.0965
#3	.0158	-0.0010	.0020	-0.0037	.5608	3.720	.0010	3.255	.0929

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0007	F 1809.	.0052	.0850	.0110	2.090	.0024	-0.0062	2.425
Stddev	.0008	40.	.0016	.0047	.0071	.133	.0023	.0088	.242
%RSD	114.7	2.210	30.75	5.581	64.36	6.360	94.91	142.5	9.993

#1	-0.0015	1853.	.0054	.0904	.0077	2.229	-0.0001	.0018	2.679
#2	-0.0006	1797.	.0067	.0820	.0062	2.075	.0044	-0.0048	2.401
#3	.0001	1776.	.0035	.0825	.0192	1.965	.0029	-0.0156	2.196

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020	.1861	.0300	-0.0042	.0032	-0.0070	.5609	.0010
Stddev	.0067	.0067	.0032	.0099	.0006	.0025	.0535	.0008
%RSD	326.1	3.596	10.71	238.1	18.48	36.02	9.544	76.17

#1	-0.0014	.1926	.0334	-0.0154	.0037	-0.0098	.6167	.0017
#2	-0.0022	.1866	.0270	.0034	.0026	-0.0052	.5561	.0011
#3	.0097	.1792	.0295	-0.0005	.0034	-0.0059	.5100	.0002

Raw Data MA59103 page 238 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16233-2A 7 Acquired: 8/7/2025 18:01:39 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MP56406/TCLP

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5414.7	80428.	20510.	3136.3
Stddev	14.9	238.	22.	8.7
%RSD	.27500	.29536	.10693	.27827

#1	5423.0	80491.	20535.	3137.7
#2	5423.6	80165.	20503.	3144.2
#3	5397.5	80627.	20494.	3126.9

Raw Data MA59103 page 239 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16283-3 Acquired: 8/7/2025 18:06:39 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0023	.5720	.0012	.0411	.3022	.0004	.0019	73.82	-0.0011
Stddev	.0014	.0354	.0037	.0025	.0097	.0001	.0113	1.92	.0010
%RSD	61.08	6.195	302.0	6.188	3.203	21.42	606.6	2.595	85.87

#1	-0.0020	.6074	-0.0016	.0430	.3122	.0003	.0112	75.67	-0.0010
#2	-0.0011	.5721	-0.0002	.0420	.3016	.0005	-0.0108	73.94	-0.0002
#3	-0.0038	.5365	.0055	.0382	.2928	.0004	.0052	71.84	-0.0022

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0127	.0033	.0016	.0011	.3955	4.620	.0054	13.64	1.116
Stddev	.0050	.0014	.0018	.0022	.0127	.119	.0013	.33	.039
%RSD	39.62	41.57	113.5	200.1	3.221	2.568	24.37	2.446	3.455

#1	.0118	.0032	-0.0001	.0024	.3987	4.752	.0061	13.95	1.152
#2	.0181	.0019	.0013	.0023	.3814	4.521	.0039	13.68	1.121
#3	.0082	.0047	.0034	-0.0014	.4063	4.588	.0062	13.29	1.075

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	F 1526.	.0210	.0423	.0010	2.925	-0.0029	.0008	5.543
Stddev	.0007	27.	.0028	.0021	.0021	.079	.0033	.0096	.159
%RSD	49.64	1.740	13.35	5.000	195.5	2.688	115.1	1229.	2.863

#1	.0006	1556.	.0242	.0425	.0019	3.016	.0009	.0068	5.721
#2	.0018	1514.	.0188	.0401	.0025	2.878	-0.0053	-0.0103	5.492
#3	.0018	1507.	.0200	.0443	-0.0013	2.882	-0.0044	.0058	5.416

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.2491	.0055	.0045	.0024	-0.0075	.0836	.0002
Stddev	.0009	.0085	.0015	.0038	.0021	.0040	.0023	.0003
%RSD	535.5	3.401	27.02	84.46	87.57	53.39	2.756	133.7

#1	.0010	.2575	.0040	.0089	.0039	-0.0081	.0860	.0001
#2	.0002	.2492	.0055	.0030	-0.0000	-0.0111	.0834	.0005
#3	-0.0008	.2406	.0070	.0017	.0034	-0.0032	.0814	-0.0000

Raw Data MA59103 page 240 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16283-3 Acquired: 8/7/2025 18:06:39 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5379.6	78795.	20100.	3119.0
Stddev	27.7	236.	229.	16.3
%RSD	.51435	.29992	1.1405	.52404
#1	5353.4	79038.	20322.	3101.8
#2	5376.9	78566.	20112.	3121.0
#3	5408.5	78781.	19864.	3134.3

Raw Data MA59103 page 241 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16283-5 Acquired: 8/7/2025 18:11:39 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5417.5	80895.	20773.	3163.4
Stddev	16.5	190.	353.	5.4
%RSD	.30394	.23518	1.7004	.17073
#1	5435.4	81115.	20550.	3169.6
#2	5403.0	80786.	20589.	3159.9
#3	5414.0	80784.	21180.	3160.7

Raw Data MA59103 page 243 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: JE16283-5 Acquired: 8/7/2025 18:11:39 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0039	.1501	-0.0040	.0734	.0855	.0000	.0008	29.86	-0.0012
Stddev	.0017	.0106	.0068	.0042	.0041	.0001	.0085	1.56	.0005
%RSD	45.21	7.033	170.6	5.775	4.805	720.7	1060.	5.232	41.70
#1	-.0019	.1566	-.0080	.0782	.0893	.0000	.0094	31.38	-.0007
#2	-.0044	.1557	.0038	.0718	.0860	-.0001	.0008	29.93	-.0012
#3	-.0052	.1379	-.0077	.0701	.0811	.0001	-.0077	28.26	-.0016
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0161	.0006	-0.0006	-0.0051	.0942	2.369	-0.0007	12.15	.1084
Stddev	.0246	.0014	.0004	.0033	.0046	.053	.0005	.65	.0052
%RSD	153.4	219.6	57.67	65.42	4.865	2.226	67.70	5.313	4.810
#1	-.0098	.0022	-.0008	-.0089	.0995	2.362	-.0002	12.76	.1135
#2	.0049	.0003	-.0002	-.0035	.0908	2.425	-.0007	12.20	.1085
#3	-.0432	-.0006	-.0008	-.0029	.0924	2.321	-.0012	11.47	.1031
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0008	F 1494.	.0137	.0361	.0064	3.063	.0036	-.0012	1.747
Stddev	.0006	57.	.0015	.0101	.0057	.105	.0038	.0050	.072
%RSD	76.53	3.815	11.14	27.93	89.84	3.438	107.3	406.7	4.143
#1	-.0007	1545.	.0144	.0469	.0048	3.183	.0035	.0004	1.828
#2	-.0002	1506.	.0120	.0268	.0016	3.018	-.0002	.0027	1.721
#3	-.0014	1433.	.0148	.0347	.0127	2.987	.0074	-.0069	1.691
Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	.0005	.1047	.0036	.0008	.0016	-0.0094	.1415	-0.0000	
Stddev	.0085	.0053	.0025	.0027	.0007	.0056	.0046	.0005	
%RSD	1788.	5.053	68.63	334.1	43.69	60.06	3.272	2148.	
#1	-.0090	.1102	.0046	-.0012	.0008	-.0125	.1467	.0005	
#2	.0029	.1043	.0008	.0038	.0018	-.0029	.1400	-.0001	
#3	.0075	.0996	.0055	-.0002	.0021	-.0127	.1378	-.0005	

Raw Data MA59103 page 242 of 267

◀ Zoom In ▶
Zoom Out

Sample Name: CCV Acquired: 8/7/2025 18:16:38 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2417	39.44	1.920	1.916	2.019	1.963	1.863	39.79	1.958
Stddev	.0009	.02	.004	.003	.007	.004	.003	.004	.001
%RSD	.3772	.0393	.1997	.1354	.3357	.1791	.1553	.1749	.0397
#1	.2427	39.44	1.916	1.914	2.026	1.960	1.864	39.72	1.959
#2	.2409	39.46	1.922	1.919	2.019	1.967	1.860	39.81	1.957
#3	.2414	39.43	1.924	1.916	2.012	1.962	1.865	39.85	1.958
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.005	2.004	1.997	1.858	40.84	41.22	2.012	39.71	2.043
Stddev	.004	.001	.009	.003	.02	.06	.009	.16	.009
%RSD	.1726	.0348	.4471	.1500	.0432	.1417	.4240	.4139	.4582
#1	2.004	2.004	2.001	1.858	40.84	41.16	2.020	39.55	2.045
#2	2.002	2.003	2.004	1.855	40.86	41.27	2.014	39.70	2.051
#3	2.009	2.005	1.987	1.861	40.82	41.24	2.003	39.88	2.033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.931	41.66	2.026	1.940	2.049	1.987	1.914	1.933	4.788
Stddev	.001	.07	.002	.005	.002	.002	.003	.004	.005
%RSD	.0309	.1704	.1209	.2723	.1136	.0758	.1380	.2015	.1040
#1	1.932	41.70	2.028	1.934	2.048	1.986	1.912	1.929	4.782
#2	1.931	41.69	2.023	1.943	2.047	1.989	1.914	1.937	4.792
#3	1.932	41.57	2.027	1.942	2.051	1.987	1.917	1.932	4.790
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Raw Data MA59103 page 244 of 267

Sample Name: CCV Acquired: 8/7/2025 18:16:38 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.940	2.003	1.963	1.987	1.986	1.957	1.999	1.997
Stddev	.001	.057	.004	.005	.006	.004	.002	.005
%RSD	.0438	2.864	.2079	.2416	.3068	.2117	.0814	.2408

#1	1.940	2.017	1.964	1.981	1.989	1.960	1.997	1.998
#2	1.939	1.939	1.966	1.989	1.989	1.952	1.999	2.001
#3	1.941	2.051	1.958	1.990	1.979	1.959	2.001	1.992

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5490.0	78769.	20661.	3086.8
Stddev	4.7	529.	47.	.2
%RSD	.08643	.67103	.22513	.00725

#1	5485.5	78838.	20712.	3086.5
#2	5495.0	78210.	20649.	3086.9
#3	5489.5	79260.	20621.	3086.9

Raw Data MA59103 page 245 of 267

Sample Name: CCB Acquired: 8/7/2025 18:21:15 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.006	-0.029	-0.001	.0034	.0002	.0001	.0013	-0.0034	.0001
Stddev	.0001	.0021	.0016	.0007	.0001	.0000	.0020	.0011	.0001
%RSD	15.71	71.56	1298.	20.94	21.55	18.53	156.7	32.37	125.5

#1	-0.007	-0.046	.0012	.0042	.0002	.0001	.0021	-0.0045	-0.0000
#2	-0.006	-0.035	-0.018	.0027	.0002	.0002	.0028	-0.0023	.0002
#3	-0.006	-0.006	.0002	.0034	.0003	.0001	-0.0010	-0.0035	.0001

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0000	.0002	.0004	.0009	.0128	-0.0005	-0.0033	.0002
Stddev	.0036	.0001	.0001	.0004	.0009	.0211	.0005	.0040	.0000
%RSD	1497.	385.5	79.83	114.8	100.0	164.2	83.64	123.1	22.19

#1	.0038	.0001	.0000	.0004	.0002	.0053	-0.0009	-0.0036	.0002
#2	-0.031	-0.001	.0002	-0.001	.0020	-0.034	-0.0007	-0.0071	.0001
#3	-0.014	.0001	.0003	.0007	.0006	.0366	-0.0000	.0009	.0001

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.1928	.0002	.0026	.0001	.0017	-0.0007	-0.0113	.0112
Stddev	.0001	.0062	.0002	.0005	.0017	.0012	.0010	.0004	.0009
%RSD	6.324	3.233	69.40	17.89	2814.	72.69	148.5	30.52	8.317

#1	.0010	.1964	.0003	.0027	.0009	.0031	-0.0006	-0.0010	.0122
#2	.0009	.1856	.0001	.0030	.0012	.0009	-0.0017	-0.0018	.0110
#3	.0009	.1964	.0004	.0021	-0.0019	.0010	.0003	-0.0011	.0104

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

Raw Data MA59103 page 246 of 267

Sample Name: CCB Acquired: 8/7/2025 18:21:15 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0008	.0001	.0009	-0.0053	.0002	-0.0001	.0002	.0003
Stddev	.0005	.0001	.0004	.0015	.0003	.0003	.0000	.0001
%RSD	80.19	46.32	38.63	29.02	135.3	333.0	8.051	38.76

#1	-0.0007	.0002	.0013	-0.0051	.0002	-0.0005	.0002	.0002
#2	-0.0001	.0001	.0006	-0.0069	.0005	.0001	.0002	.0004
#3	-0.0009	.0001	.0009	-0.0038	-0.0001	.0001	.0002	.0002

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5286.4	79035.	21363.	3107.2
Stddev	10.1	455.	148.	10.2
%RSD	.19054	.57583	.69101	.32798

#1	5280.9	79364.	21435.	3108.3
#2	5298.0	78515.	21193.	3116.8
#3	5280.3	79226.	21461.	3096.5

Raw Data MA59103 page 247 of 267

Sample Name: MP56401-MB1 7 Acquired: 8/7/2025 18:26:10 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	.3165	.0002	.0031	.0001	-0.0000	-0.0004	.0147	.0001
Stddev	.0002	.0101	.0019	.0002	.0000	.0000	.0014	.0012	.0001
%RSD	46.47	3.187	1099.	5.436	17.83	370.5	402.6	7.897	222.7

#1	-0.0003	.3079	-0.0005	.0030	.0001	-0.0000	.0013	.0160	.0001
#2	-0.0003	.3140	-0.0013	.0030	.0001	-0.0001	-0.0010	.0138	-0.0001
#3	-0.0006	.3276	.0023	.0033	.0001	-0.0000	-0.0013	.0143	.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0041	-0.0002	.0001	-0.0008	.0112	.0238	-0.0009	.0062	.0002
Stddev	.0028	.0002	.0003	.0002	.0026	.0107	.0007	.0005	.0000
%RSD	67.55	123.1	292.1	31.62	23.16	45.01	87.54	8.619	21.61

#1	-0.0018	-0.0003	.0005	-0.0010	.0135	.0332	-0.0013	.0063	.0001
#2	-0.0072	.0001	-0.0001	-0.0005	.0117	.0121	-0.0012	.0056	.0001
#3	-0.0033	-0.0002	-0.0000	-0.0007	.0084	.0260	.0000	.0066	.0002

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.1895	.0002	.0018	.0006	.0129	-0.0005	-0.0002	.0186
Stddev	.0003	.0118	.0003	.0011	.0001	.0011	.0016	.0005	.0006
%RSD	47.27	6.237	123.1	57.55	12.20	8.670	295.3	295.6	3.092

#1	.0005	.1898	.0005	.0031	.0007	.0118	-0.0020	.0004	.0189
#2	.0009	.2012	.0003	.0012	.0007	.0140	.0011	-0.0004	.0189
#3	.0004	.1775	-0.0001	.0013	.0006	.0131	-0.0007	-0.0005	.0179

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0000	.0002	-0.0020	.0004	-0.0011	.0019	-0.0001
Stddev	.0003	.0001	.0006	.0001	.0003	.0011	.0001	.0000
%RSD	88.33	170.1	285.8	4.655	87.42	102.5	6.214	45.37

#1	.0003	.0001	.0002	-0.0019	.0000	-0.0022	.0020	-0.0001
#2	.0001	.0000	.0008	-0.0019	.0007	.0001	.0019	-0.0000
#3	.0008	-0.0000	-0.0004	-0.0021	.0005	-0.0012	.0018	-0.0000

Raw Data MA59103 page 248 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56401-MB1 7 Acquired: 8/7/2025 18:26:10 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5320.2	79641.	21879.	3107.3
Stddev	10.9	484.	264.	7.3
%RSD	.20401	.60802	1.2088	.23519

#1	5330.4	80121.	22100.	3115.5
#2	5308.8	79648.	21952.	3101.3
#3	5321.5	79153.	21586.	3105.3

Raw Data MA59103 page 249 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56401-MB2 Acquired: 8/7/2025 18:31:06 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0008	-.0008	.0034	.0003	-.0000	.0020	.0151	-.0000
Stddev	.0002	.0036	.0002	.0000	.0001	.0000	.0010	.0010	.0002
%RSD	117.3	454.3	26.66	1.199	27.18	529.2	49.94	6.692	1202.

#1	.0002	-.0008	-.0005	.0034	.0003	.0000	.0031	.0160	-.0001
#2	.0004	.0050	-.0009	.0034	.0003	-.0000	.0017	.0140	.0002
#3	-.0000	-.0018	-.0009	.0033	.0002	-.0000	.0012	.0154	-.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024	-.0001	.0001	-.0020	.0050	.0123	-.0004	.0104	.0002
Stddev	.0044	.0002	.0004	.0002	.0011	.0276	.0012	.0063	.0000
%RSD	181.1	350.2	322.8	9.272	22.74	224.2	266.5	60.50	12.48

#1	.0045	.0001	-.0001	-.0019	.0062	-.0139	.0006	.0159	.0002
#2	-.0026	-.0000	.0005	-.0022	.0048	.0412	-.0017	.0036	.0002
#3	.0055	-.0002	-.0001	-.0020	.0040	.0097	-.0003	.0117	.0002

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0000	.1553	.0001	.0026	.0010	.0043	-.0005	-.0009	.0124
Stddev	.0002	.0077	.0007	.0014	.0022	.0008	.0015	.0015	.0002
%RSD	605.8	4.958	515.4	51.69	222.2	17.90	325.9	157.5	1.729

#1	-.0001	.1635	.0008	.0024	.0027	.0051	.0002	.0006	.0125
#2	.0002	.1483	.0001	.0014	.0018	.0037	-.0022	-.0023	.0122
#3	-.0001	.1542	-.0005	.0041	-.0015	.0039	.0006	-.0010	.0125

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0000	-.0002	-.0009	.0002	-.0021	.0027	.0003
Stddev	.0015	.0001	.0002	.0002	.0001	.0012	.0001	.0001
%RSD	730.7	164.4	124.8	28.22	25.33	59.01	4.309	36.81

#1	-.0014	.0001	-.0000	-.0011	.0003	-.0034	.0027	.0003
#2	.0016	.0000	-.0004	-.0009	.0002	-.0016	.0027	.0003
#3	.0005	-.0000	-.0001	-.0006	.0002	-.0012	.0029	.0002

Raw Data MA59103 page 250 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56401-MB2 Acquired: 8/7/2025 18:31:06 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5366.9	81372.	22365.	3125.3
Stddev	12.5	100.	161.	7.7
%RSD	.23372	.12283	.72030	.24642

#1	5374.2	81467.	22270.	3132.2
#2	5374.0	81381.	22275.	3126.6
#3	5352.4	81268.	22551.	3117.0

Raw Data MA59103 page 251 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56401-B1 Acquired: 8/7/2025 18:36:00 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2539	24.30	1.926	1.882	1.951	1.916	-.0072	24.40
Stddev	.0002	.01	.003	.004	.003	.003	.0021	.05
%RSD	.0850	.0451	.1685	.2175	.1706	.1399	28.94	.1968

#1	.2537	24.29	1.924	1.880	1.950	1.913	-.0068	24.36
#2	.2541	24.31	1.923	1.878	1.955	1.917	-.0054	24.38
#3	.2540	24.29	1.929	1.886	1.949	1.918	-.0095	24.45

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.923	.0005	1.977	1.943	1.810	24.66	25.39	-.0006
Stddev	.003	.0017	.002	.002	.003	.07	.10	.0003
%RSD	.1772	324.5	.1024	.1237	.1751	.2737	.4024	52.18

#1	1.920	.0014	1.975	1.944	1.810	24.60	25.34	-.0003
#2	1.924	.0016	1.977	1.941	1.813	24.64	25.32	-.0006
#3	1.927	-.0014	1.979	1.945	1.806	24.73	25.51	-.0009

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.89	1.967	1.905	25.62	1.994	-.0052	1.988	-.0101
Stddev	.07	.003	.003	.03	.003	.0014	.000	.0003
%RSD	.3092	.1600	.1655	.1171	.1506	25.83	.0197	2.509

#1	23.87	1.964	1.902	25.58	1.994	-.0063	1.988	-.0104
#2	23.84	1.968	1.905	25.63	1.992	-.0037	1.988	-.0099
#3	23.98	1.970	1.909	25.64	1.997	-.0057	1.989	-.0100

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.895	1.919	.0059	1.906	1.957	1.915	W 1.940	1.921
Stddev	.005	.003	.0005	.003	.051	.002	.005	.002
%RSD	.2886	.1439	8.019	.1734	2.579	.1259	.2376	.1098

#1	1.890	1.917	.0064	1.904	1.909	1.913	1.936	1.920
#2	1.896	1.918	.0054	1.910	2.010	1.915	1.939	1.920
#3	1.901	1.922	.0060	1.905	1.951	1.917	1.945	1.924

Raw Data MA59103 page 252 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56401-B1 Acquired: 8/7/2025 18:36:00 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.876	1.984	1.935
Stddev	.006	.003	.002
%RSD	.2989	.1315	.0838

#1	1.870	1.981	1.934
#2	1.878	1.986	1.937
#3	1.881	1.985	1.936

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5486.8	80102.	22011.	3080.6
Stddev	20.8	384.	87.	12.1
%RSD	.37977	.47952	.39425	.39403

#1	5510.5	80542.	22026.	3094.0
#2	5471.2	79836.	22090.	3070.4
#3	5478.8	79927.	21919.	3077.3

Raw Data MA59103 page 253 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56401-B2 Acquired: 8/7/2025 18:40:44 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	1.916	1.946	1.919
Stddev	.002	.001	.006
%RSD	.1132	.0465	.3194

#1	1.914	1.947	1.923
#2	1.917	1.946	1.923
#3	1.918	1.945	1.912

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5494.4	80787.	22493.	3093.9
Stddev	17.0	127.	229.	8.0
%RSD	.30964	.15774	1.0180	.25807

#1	5506.7	80700.	22755.	3100.1
#2	5501.6	80727.	22331.	3096.8
#3	5475.0	80933.	22393.	3084.9

Raw Data MA59103 page 255 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: MP56401-B2 Acquired: 8/7/2025 18:40:44 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2512	23.81	1.905	1.862	1.927	1.887	-0.080	23.82
Stddev	.0008	.03	.004	.005	.001	.001	.0010	.14
%RSD	.3274	.1457	.1930	.2572	.0528	.0472	13.16	.5832

#1	.2520	23.78	1.908	1.867	1.928	1.886	-.0068	23.67
#2	.2512	23.81	1.901	1.858	1.926	1.888	-.0086	23.93
#3	.2504	23.85	1.907	1.862	1.928	1.888	-.0086	23.88

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.901	-0.023	1.951	1.919	1.796	24.35	24.96	-0.016
Stddev	.003	.0029	.003	.004	.005	.03	.00	.0004
%RSD	.1341	124.7	.1270	.1912	.2714	.1325	.0067	25.24

#1	1.902	-.0003	1.954	1.922	1.797	24.32	24.96	-.0018
#2	1.898	-.0057	1.949	1.915	1.800	24.38	24.96	-.0019
#3	1.903	-.0010	1.950	1.920	1.791	24.35	24.96	-.0012

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.28	1.942	1.884	25.25	1.970	-0.0050	1.969	-0.015
Stddev	.19	.004	.005	.01	.002	.0012	.005	.0008
%RSD	.8076	.2270	.2676	.0206	.0808	24.17	.2463	6.986

#1	23.07	1.946	1.890	25.24	1.971	-.0056	1.965	-.0105
#2	23.43	1.942	1.880	25.25	1.968	-.0036	1.974	-.0119
#3	23.33	1.938	1.882	25.25	1.971	-.0057	1.968	-.0119

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.874	1.890	.0108	1.878	1.933	1.898	W 1.905	1.899
Stddev	.004	.006	.0008	.002	.084	.001	.006	.003
%RSD	.1867	.3211	7.084	.1222	4.342	.0353	.3430	.1535

#1	1.877	1.894	.0108	1.881	1.842	1.898	1.912	1.902
#2	1.870	1.883	.0100	1.877	1.951	1.897	1.903	1.897
#3	1.876	1.892	.0116	1.877	2.007	1.898	1.899	1.898

Raw Data MA59103 page 254 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16518-1 Acquired: 8/7/2025 18:45:28 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0013	94.24	.0072	.0294	1.389	.0029	-0.0081	71.62	.0006
Stddev	.0005	.21	.0009	.0002	.003	.0000	.0005	.19	.0001
%RSD	36.45	.2230	12.26	.5586	.2206	1.685	6.395	.2665	22.27

#1	-.0018	94.00	.0081	.0293	1.385	.0028	-.0086	71.42	.0007
#2	-.0009	94.40	.0071	.0292	1.391	.0029	-.0075	71.80	.0006
#3	-.0011	94.32	.0063	.0295	1.390	.0029	-.0082	71.65	.0005

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2911	.0633	.1537	.1224	151.2	51.98	.1280	62.35	2.275
Stddev	.0013	.0003	.0001	.0006	.4	.10	.0004	.16	.006
%RSD	.4465	.4794	.0469	.4648	.2761	.1884	.3121	.2491	.2515

#1	.2900	.0634	.1537	.1229	150.8	51.87	.1279	62.18	2.281
#2	.2908	.0630	.1538	.1225	151.6	52.03	.1284	62.48	2.274
#3	.2926	.0636	.1537	.1217	151.3	52.05	.1277	62.39	2.270

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0074	25.45	.1227	2.868	.0395	8.123	-0.0026	.0081	13.73
Stddev	.0002	.04	.0003	.012	.0007	.019	.0006	.0021	.02
%RSD	2.383	.1670	.2163	.4049	1.801	.2367	21.21	25.65	.1419

#1	.0073	25.40	.1229	2.856	.0398	8.104	-.0030	.0070	13.72
#2	.0074	25.48	.1224	2.869	.0387	8.122	-.0020	.0067	13.75
#3	.0076	25.46	.1228	2.879	.0401	8.143	-.0028	.0104	13.71

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0173	.2178	F 10.31	.0021	.2182	-0.0002	6.263	.0174
Stddev	.0009	.0003	.00	.0022	.0002	.0016	.0011	.0000
%RSD	5.391	.1189	.0262	102.2	.0848	656.3	.1812	.2522

#1	.0173	.2176	10.31	.0007	.2184	.0010	6.254	.0174
#2	.0163	.2178	10.31	.0011	.2180	-.0020	6.258	.0174
#3	.0182	.2181	10.32	.0046	.2181	.0003	6.276	.0175

Raw Data MA59103 page 256 of 267

Sample Name: JE16518-1 Acquired: 8/7/2025 18:45:28 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5454.2	79977.	21993.	3047.8
Stddev	5.9	205.	100.	7.5
%RSD	.10813	.25612	.45632	.24710
#1	5459.4	80085.	22108.	3056.4
#2	5447.8	79741.	21928.	3042.2
#3	5455.4	80105.	21941.	3044.9

Raw Data MA59103 page 257 of 267

Sample Name: JE16344-1A Acquired: 8/7/2025 18:50:16 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MP56406/TCLP

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5448.7	83146.	21800.	3147.3
Stddev	23.6	442.	38.	10.6
%RSD	.43270	.53206	.17225	.33658
#1	5471.0	83548.	21788.	3156.3
#2	5451.1	83218.	21842.	3150.0
#3	5424.0	82672.	21771.	3135.6

Raw Data MA59103 page 259 of 267

Sample Name: JE16344-1A Acquired: 8/7/2025 18:50:16 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MP56406/TCLP

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0048	3.071	.0552	.0687	.1604	.0002	-0.0024	46.78	-0.0009
Stddev	.0033	.310	.0126	.0070	.0089	.0001	.0027	2.63	.0007
%RSD	68.88	10.08	22.85	10.17	5.557	62.69	112.6	5.624	79.77
#1	-.0058	3.403	.0668	.0759	.1696	.0001	-.0030	49.44	-.0016
#2	-.0011	3.021	.0569	.0683	.1597	.0001	.0005	46.74	-.0007
#3	-.0074	2.790	.0418	.0619	.1518	.0003	-.0048	44.17	-.0003
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1159	.0094	.0071	-.0136	18.59	3.273	.0190	2.143	.3577
Stddev	.0065	.0037	.0028	.0026	1.07	.153	.0012	.115	.0168
%RSD	5.586	39.71	39.06	18.88	5.749	4.661	6.476	5.367	4.696
#1	.1225	.0127	.0095	-.0120	19.66	3.357	.0177	2.245	.3739
#2	.1096	.0100	.0077	-.0165	18.59	3.365	.0191	2.165	.3588
#3	.1156	.0054	.0041	-.0122	17.52	3.097	.0202	2.018	.3404
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0090	F 2017.	.1019	.1046	.0075	14.97	.0943	-.0002	.8875
Stddev	.0012	100.	.0168	.0179	.0037	2.46	.0238	.0075	.1516
%RSD	13.72	4.954	16.53	17.09	48.90	16.40	25.27	4570.	17.08
#1	.0102	2124.	.1191	.1212	.0102	17.42	.1216	-.0019	1.035
#2	.0088	1999.	.1012	.1068	.0089	14.99	.0837	-.0066	.8955
#3	.0078	1927.	.0854	.0857	.0033	12.51	.0776	.0080	.7322
Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	.0026	.3211	.0055	-.0237	.0080	-.0049	.0989	.0079	
Stddev	.0039	.0184	.0015	.0105	.0025	.0043	.0169	.0010	
%RSD	149.5	5.732	27.06	44.50	31.16	87.47	17.09	13.30	
#1	-.0009	.3395	.0039	-.0116	.0108	-.0077	.1153	.0090	
#2	.0069	.3212	.0069	-.0284	.0074	.0000	.0999	.0069	
#3	.0019	.3027	.0058	-.0311	.0059	-.0072	.0815	.0077	

Raw Data MA59103 page 258 of 267

Sample Name: JE16361-1 Acquired: 8/7/2025 18:55:16 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0030	.0624	.0003	.0518	.0388	-0001	-0019	25.75	-0006
Stddev	.0018	.0426	.0039	.0066	.0018	.0001	.0024	1.57	.0000
%RSD	57.72	68.26	1506.	12.81	4.534	230.9	124.9	6.084	5.649
#1	-.0017	.0225	-.0040	.0588	.0404	-.0002	.0008	27.32	-.0007
#2	-.0050	.0574	.0010	.0509	.0390	.0001	-.0027	25.76	-.0006
#3	-.0024	.1073	.0038	.0456	.0369	-.0001	-.0038	24.18	-.0006
Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0127	.0016	.0005	.0121	.0640	3.954	-.0021	2.549	.0346
Stddev	.0126	.0011	.0013	.0025	.0016	.232	.0034	.107	.0017
%RSD	99.26	65.55	292.1	20.76	2.465	5.873	165.8	4.201	4.829
#1	.0192	.0026	.0019	.0101	.0651	4.174	-.0039	2.652	.0363
#2	.0208	.0005	-.0006	.0113	.0622	3.978	-.0042	2.555	.0345
#3	-.0018	.0018	.0000	.0150	.0647	3.711	.0019	2.439	.0330
Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	F 1782.	.0035	.0546	.0002	.6664	-.0006	-.0048	.6767
Stddev	.0013	139.	.0006	.0020	.0053	.0358	.0080	.0029	.1143
%RSD	85.88	7.777	15.90	3.718	3532.	5.369	1282.	59.59	16.88
#1	.0001	1942.	.0037	.0568	.0057	.7000	.0049	-.0080	.7898
#2	.0027	1708.	.0039	.0541	-.0004	.6705	-.0098	-.0023	.6790
#3	.0016	1696.	.0028	.0528	-.0049	.6288	.0030	-.0043	.5613
Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-.0003	.1494	.0029	-.0071	.0014	-.0022	.0183	.0004	
Stddev	.0057	.0093	.0020	.0117	.0015	.0034	.0033	.0005	
%RSD	1960.	6.254	68.48	164.9	103.9	156.4	17.80	131.9	
#1	-.0031	.1585	.0009	-.0069	.0008	-.0061	.0219	-.0002	
#2	-.0040	.1497	.0030	-.0188	.0004	-.0001	.0176	.0007	
#3	.0063	.1399	.0049	.0045	.0031	-.0003	.0155	.0007	

Raw Data MA59103 page 260 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16361-1 Acquired: 8/7/2025 18:55:16 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5458.8	82193.	21273.	3170.6
Stddev	20.9	379.	93.	8.2
%RSD	.38358	.46115	.43611	.25802

#1	5482.9	82622.	21170.	3180.0
#2	5446.9	82055.	21348.	3165.1
#3	5446.5	81903.	21303.	3166.6

Raw Data MA59103 page 261 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16361-2 Acquired: 8/7/2025 19:00:17 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.015	.0250	.0015	.0418	.1121	-0.001	.0107	706.4
Stddev	.0011	.0126	.0006	.0026	.0108	.0002	.0070	66.5
%RSD	73.38	50.43	37.54	6.171	9.600	205.2	65.98	9.407

#1	-.0028	.0240	.0021	.0447	.1230	.0000	.0188	775.1
#2	-.0009	.0130	.0012	.0409	.1119	-.0003	.0060	701.9
#3	-.0008	.0382	.0011	.0398	.1015	-.0000	.0072	642.4

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -0.0070	-0.0150	-0.0017	.0069	-0.0043	.1171	14.77	.0014
Stddev	.0011	.0135	.0007	.0007	.0009	.0055	1.03	.0052
%RSD	15.16	89.74	42.27	10.26	21.39	4.671	6.968	381.5

#1	-.0081	.0005	-.0009	.0061	-.0053	.1232	15.82	.0072
#2	-.0070	-.0242	-.0019	.0070	-.0040	.1155	14.71	-.0006
#3	-.0060	-.0213	-.0023	.0075	-.0035	.1126	13.76	-.0026

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.156	.0098	.0040	F 1933.	.0039	.0743	.0001	3.040
Stddev	.818	.0007	.0006	163.	.0017	.0112	.0029	.333
%RSD	8.934	6.969	15.67	8.452	43.16	15.09	3521.	10.95

#1	9.994	.0105	.0035	2103.	.0057	.0846	.0010	3.381
#2	9.116	.0099	.0038	1920.	.0023	.0760	-.0032	3.024
#3	8.360	.0091	.0047	1777.	.0038	.0624	.0024	2.716

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	-0.0058	4.435	-0.0064	7.966	.0013	-0.0048	.0123
Stddev	.0013	.0069	.597	.0009	.860	.0002	.0120	.0012
%RSD	123.8	119.8	13.47	14.01	10.80	12.84	248.9	9.929

#1	.0003	.0001	5.049	-.0066	8.879	.0015	-.0185	.0137
#2	.0025	-.0134	4.400	-.0071	7.850	.0011	.0041	.0120
#3	.0002	-.0039	3.856	-.0054	7.170	.0013	-.0001	.0113

Raw Data MA59103 page 262 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: JE16361-2 Acquired: 8/7/2025 19:00:17 Type: Unk
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	.0026	-0.0084	.0020
Stddev	.0036	.0010	.0007
%RSD	136.8	11.86	35.33

#1	.0034	-.0093	.0021
#2	-.0013	-.0086	.0012
#3	.0057	-.0074	.0026

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5489.8	81846.	20853.	3168.5
Stddev	21.6	301.	141.	11.9
%RSD	.39305	.36837	.67748	.37575

#1	5492.8	81958.	20707.	3165.1
#2	5509.7	82075.	20989.	3181.7
#3	5466.9	81504.	20864.	3158.7

Raw Data MA59103 page 263 of 267

[Zoom In](#)
[Zoom Out](#)

Sample Name: CCV Acquired: 8/7/2025 19:05:30 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2399	38.91	1.959	1.946	2.000	1.934	1.892	38.64	1.973
Stddev	.0011	.07	.007	.009	.002	.002	.012	.21	.006
%RSD	.4778	.1671	.3405	.4895	.0907	.0952	.6166	.5394	.2882

#1	.2409	38.98	1.955	1.942	2.002	1.936	1.888	38.85	1.967
#2	.2387	38.90	1.955	1.940	2.000	1.932	1.883	38.64	1.972
#3	.2403	38.85	1.967	1.957	1.998	1.935	1.905	38.43	1.979

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.974	1.995	1.959	1.857	39.31	40.69	2.014	37.99	2.004
Stddev	.005	.002	.003	.001	.06	.12	.005	.27	.004
%RSD	.2656	.0961	.1509	.0596	.1489	.2977	.2320	.7087	.2212

#1	1.971	1.993	1.963	1.857	39.37	40.66	2.018	38.27	2.002
#2	1.972	1.997	1.958	1.858	39.25	40.59	2.014	37.98	2.000
#3	1.981	1.994	1.957	1.856	39.32	40.83	2.009	37.73	2.009

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.936	41.06	2.012	1.968	2.011	2.009	1.933	1.970	4.876
Stddev	.004	.01	.002	.005	.003	.010	.006	.007	.016
%RSD	.1935	.0357	.1147	.2415	.1462	.5183	.3255	.3484	.3296

#1	1.932	41.07	2.009	1.963	2.011	2.000	1.929	1.969	4.867
#2	1.936	41.05	2.013	1.971	2.014	2.006	1.929	1.964	4.867
#3	1.939	41.07	2.013	1.972	2.008	2.020	1.940	1.978	4.895

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

Raw Data MA59103 page 264 of 267

Sample Name: CCV Acquired: 8/7/2025 19:05:30 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.939	1.957	1.938	1.969	1.955	1.954	1.989	1.969
Stddev	.004	.004	.001	.007	.002	.002	.004	.005
%RSD	.2224	.2009	.0732	.3806	.1218	.0762	.2049	.2312
#1	1.934	1.961	1.940	1.972	1.952	1.952	1.986	1.967
#2	1.942	1.954	1.937	1.973	1.955	1.954	1.994	1.966
#3	1.940	1.956	1.937	1.960	1.957	1.955	1.988	1.974

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5491.4	80168.	22034.	3057.4
Stddev	14.5	155.	148.	3.9
%RSD	.26479	.19349	.67280	.12668
#1	5477.3	80336.	21867.	3053.0
#2	5490.6	80031.	22149.	3058.9
#3	5506.4	80137.	22086.	3060.4

Raw Data MA59103 page 265 of 267

Sample Name: CCB Acquired: 8/7/2025 19:10:11 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0008	.0007	-0.012	.0045	.0003	.0001	-0.0013	-0.0016	.0000
Stddev	.0003	.0012	.0007	.0004	.0001	.0001	.0009	.0016	.0002
%RSD	37.98	159.6	60.09	9.823	22.57	69.59	71.44	102.0	694.1
#1	-0.0006	.0021	-0.017	.0042	.0003	.0001	-0.0002	.0002	-0.0000
#2	-0.0011	.0001	-0.0004	.0042	.0004	.0000	-0.0018	-0.0029	-0.0001
#3	-0.0006	-0.0000	-0.0016	.0050	.0002	.0002	-0.0018	-0.0022	.0002

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

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0071	.0002	.0001	-0.0021	.0024	.0322	-0.0007	.0074	.0001
Stddev	.0026	.0003	.0002	.0004	.0007	.0021	.0004	.0045	.0001
%RSD	36.60	115.4	159.5	19.29	28.49	6.406	55.00	60.76	61.62
#1	-0.0041	.0005	.0002	-0.0017	.0016	.0327	-0.0011	.0038	.0000
#2	-0.0083	.0002	-0.0001	-0.0021	.0028	.0340	-0.0007	.0124	.0001
#3	-0.0089	-0.0000	.0003	-0.0025	.0028	.0300	-0.0004	.0060	.0001

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

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.1563	.0006	.0010	.0009	.0020	-0.0003	-0.0023	.0152
Stddev	.0003	.0048	.0000	.0004	.0006	.0014	.0009	.0019	.0004
%RSD	31.73	3.093	3.617	37.60	64.27	69.09	285.3	82.37	2.326
#1	.0013	.1551	.0006	.0006	.0003	.0004	.0007	-0.0008	.0153
#2	.0011	.1617	.0006	.0011	.0009	.0029	-0.0006	-0.0044	.0155
#3	.0007	.1522	.0006	.0013	.0014	.0025	-0.0011	-0.0016	.0148

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

Raw Data MA59103 page 266 of 267

Sample Name: CCB Acquired: 8/7/2025 19:10:11 Type: QC
Method: SGS 3 NO Valve(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	.0001	.0004	-0.0017	.0006	-0.0006	.0003	.0005
Stddev	.0009	.0001	.0001	.0008	.0003	.0003	.0003	.0001
%RSD	70.13	64.60	30.36	48.05	52.51	55.31	98.78	21.78
#1	.0003	.0002	.0003	-0.0026	.0009	-0.0002	.0001	.0004
#2	.0017	.0002	.0005	-0.0017	.0003	-0.0008	.0002	.0004
#3	.0020	.0000	.0003	-0.0009	.0007	-0.0008	.0006	.0006

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

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5282.5	79972.	22138.	3076.7
Stddev	7.5	243.	34.	5.2
%RSD	.14174	.30432	.15372	.16887
#1	5290.3	80231.	22135.	3082.5
#2	5275.4	79748.	22174.	3072.7
#3	5281.7	79936.	22106.	3074.7

Raw Data MA59103 page 267 of 267

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	21	Mn	0.000102	0.000000	No
			Mo	0.000020	-0.000003	No
			Ti	0.000083	0.000000	No
			Fe	0.000000	0.000000	No
			Zn	-0.000001	0.000000	No
			Ca	-0.000001	0.000000	No
			Sr	0.000100	0.000000	No
			Mg	-0.000001	0.000000	No
			Ba	0.000071	0.000000	No
			Cr	0.000010	0.000000	No
			V	-0.001473	0.000000	No
			Al	0.000001	0.000000	No
			W	0.000615	0.000000	No
			Ce	-0.000660	0.000000	No
			Co	0.000000	0.000000	No
			B	0.000040	0.000000	No
			Zr	0.005230	0.000000	No
			S	-0.000002	0.000000	No
			Pb	0.000020	0.000000	No
			Sn	0.000100	0.000000	No
			Ni	-0.000045	0.000000	No
Al 396.152 { 85}	☒	8	Si	0.000652	0.000000	No
			Ca	0.000053	0.000000	No
			Mo	0.045290	0.000000	No
			Zr	0.013719	0.000000	No
			Ti	-0.000583	0.000000	No
			Ce	0.010010	0.000000	No
			Cr	0.004890	0.000000	No
			As	0.010000	0.000000	No
As 189.042 {478}	☒	23	Al	0.000004	0.000000	No
			Fe	-0.000016	0.000000	No
			Ca	0.000004	0.000000	No
			Mo	0.002160	0.000000	No
			Cr	0.000200	0.000000	No
			Ba	0.000086	0.000000	No
			Sn	0.000050	0.000000	No
			Cd	-0.000208	0.000000	No
			Si	-0.000010	0.000000	No
			Zn	-0.000082	0.000000	No
			Sr	-0.000045	0.000000	No
			W	0.001499	0.000000	No
			Cu	0.000057	0.000000	No
			Co	-0.000176	0.000000	No
			Zr	-0.000009	0.000000	No
			Mn	0.000032	0.000000	No
			S	0.000003	0.000000	No
			Ti	0.000096	0.000000	No
			Mg	0.000005	0.000000	No
			Ce	-0.000210	0.000000	No
			Ni	0.000089	0.000000	No
			V	0.000094	0.000000	No
			B	0.000150	0.000000	No
B 208.959 {462}	☒	1	Mo	0.031700	0.000000	No
Ba 455.403 { 74}	☒	2	Zr	0.000000	0.000000	No
			Ca	-0.000005	0.000000	No
Be 313.042 {108}	☒	15	V	0.000670	0.000000	No
			Mo	-0.000047	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ti	-0.000026	0.000000	No
			Mn	0.000000	0.000000	No
			Cu	-0.000056	0.000000	No
			Bi	0.000060	0.000000	No
			Fe	-0.000000	0.000000	No
			Al	0.000000	0.000000	No
			Mg	0.000001	0.000000	No
			Ca	0.000000	0.000000	No
			Sr	0.000000	0.000000	No
			S	-0.000001	0.000000	No
			Ni	0.000000	0.000000	No
			Ce	0.000120	0.000000	No
			B	0.000150	0.000000	No
Bi 223.061 {451}	☒	10	Ti	-0.000819	0.000000	No
			V	-0.000164	0.000000	No
			Co	-0.000330	0.000000	No
			Ca	-0.000002	0.000000	No
			Mg	-0.000000	0.000000	No
			Fe	0.000051	0.000000	No
			Cr	0.001595	0.000000	No
			Cu	-0.001148	0.000000	No
			W	-0.000800	0.000000	No
			Ce	-0.000820	0.000000	No
Ca 317.933 {106}	☒	14	Fe	0.000012	0.000000	No
			W	0.000000	0.000000	No
			Tl	-0.000152	0.000000	No
			Be	0.001840	0.000000	No
			Ba	-0.001224	0.000000	No
			Cu	-0.000822	0.000000	No
			Cd	0.000010	0.000000	No
			Ni	0.000667	0.000000	No
			B	-0.000210	0.000000	No
			Se	0.000923	0.000000	No
			Co	-0.000408	0.000000	No
			Cr	0.000640	0.000000	No
			Al	-0.000000	0.000000	No
			As	0.010000	0.000000	No
Cd 228.802 {448}	☒	15	As	0.006872	0.000000	No
			Ni	-0.000018	0.000000	No
			Fe	-0.000004	0.000000	No
			V	0.000054	0.000000	No
			Ba	0.000064	0.000000	No
			Co	-0.000492	0.000000	No
			Sr	-0.000020	0.000000	No
			Mn	0.000018	0.000000	No
			Cu	-0.000026	0.000000	No
			Zn	-0.000018	0.000000	No
			W	-0.000172	0.000000	No
			Zr	-0.000006	0.000000	No
			Mg	0.000000	0.000000	No
			Ca	0.000011	0.000000	No
			Al	0.000000	0.000000	No
Ce 404.076 { 83}	☒	4	Mn	-0.000361	0.000000	No
			Fe	0.000174	0.000000	No
			Ti	-0.001676	0.000000	No
			Zr	0.000310	0.000000	No
Co 228.616 {448}	☒	7	Fe	0.000005	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	0.000043	0.000000	No
			Ni	0.000091	0.000000	No
			Ti	0.002264	0.000000	No
			Ba	0.000540	0.000000	No
			W	0.000327	0.000000	No
			Cd	-0.000510	0.000000	No
Cr 267.716 {126}	☒	9	Mn	0.000158	0.000000	No
			V	-0.000183	0.000000	No
			Mo	-0.000082	0.000000	No
			Fe	0.000004	0.000000	No
			Ti	0.000060	0.000000	No
			Ba	0.000045	0.000000	No
			Cu	0.000100	0.000000	No
			Sr	-0.000100	0.000000	No
			W	0.000000	0.000000	No
Cu 324.754 {104}2	☒	14	Cr	-0.000099	0.000000	No
			V	-0.000086	0.000000	No
			Mo	0.000072	0.000000	No
			Ti	-0.000249	0.000000	No
			Fe	-0.000132	0.000000	No
			Zn	-0.000041	0.000000	No
			Co	-0.001046	0.000000	No
			Si	0.000016	0.000000	No
			Mn	-0.000017	0.000000	No
			Se	0.000050	0.000000	No
			Sb	0.000069	0.000000	No
			W	-0.000000	0.000000	No
			Al	0.000001	0.000000	No
			Zr	0.000300	0.000000	No
Fe 259.940 {130}	☒	15	Si	0.000221	0.000000	No
			Ti	-0.000051	0.000000	No
			Cr	-0.000420	0.000000	No
			Mn	-0.000046	0.000000	No
			V	-0.010000	0.000000	No
			Cu	-0.000015	0.000000	No
			Zn	0.000046	0.000000	No
			Ti	0.000000	0.000000	No
			Ca	-0.000116	0.000000	No
			Ba	-0.000500	0.000000	No
			Mo	0.002980	0.000000	No
			Ni	0.000000	0.000000	No
			Al	-0.000078	0.000000	No
			As	0.000000	0.000000	No
			Li	-0.000500	0.000000	No
In 230.606 {446}*	☐	None				
K 766.490 { 44}	☒	11	Fe	0.000550	0.000000	No
			Al	0.000077	0.000000	No
			Ca	-0.000121	0.000000	No
			Mn	-0.007074	0.000000	No
			Si	-0.003000	0.000000	No
			V	-0.002000	0.000000	No
			Sn	-0.004700	0.000000	No
			Ba	-0.010574	0.000000	No
			Mo	-0.000850	0.000000	No
			Cu	-0.011483	0.000000	No
			Ni	-0.010000	0.000000	No
Li 670.784 { 50}	☒	2	Ca	0.000019	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Mg 279.079 {121}	☒	3	Fe	-0.000008	0.000000	No
			Mo	-0.013702	0.000000	No
			W	-0.000030	0.000000	No
Mn 257.610 {131}	☒	8	Mn	-0.002445	0.000000	No
			Fe	0.000008	0.000000	No
			Si	0.000010	0.000000	No
			Ba	0.000004	0.000000	No
			Ni	0.000028	0.000000	No
			Al	0.000000	0.000000	No
			Ca	0.000010	0.000000	No
Mo 202.030 {467}	☒	2	Mg	0.000003	0.000000	No
			W	0.000260	0.000000	No
			Al	-0.000004	0.000000	No
Na 589.592 { 57}	☒	4	Fe	-0.000010	0.000000	No
			K	0.000040	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	-0.000070	0.000000	No
Ni 231.604 {446}	☒	9	V	-0.005000	0.000000	No
			Fe	0.000033	0.000000	No
			Zn	-0.000013	0.000000	No
			Be	0.000213	0.000000	No
			Co	0.000141	0.000000	No
			Ti	0.000209	0.000000	No
			Mo	0.000026	0.000000	No
			Cu	0.000050	0.000000	No
			Se	0.000100	0.000000	No
			Ca	0.000000	0.000000	No
P 177.495 {490}	☒	13	Mn	-0.000215	0.000000	No
			Al	0.000028	0.000000	No
			V	0.001097	0.000000	No
			Si	0.000178	0.000000	No
			Ti	0.000000	0.000000	No
			Mo	0.000000	0.000000	No
			S	0.000015	0.000000	No
			Co	0.000352	0.000000	No
			Cu	0.003229	0.000000	No
			Ca	0.000024	0.000000	No
			Cr	0.000099	0.000000	No
			Fe	0.000057	0.000000	No
			W	0.002000	0.000000	No
Pb 220.353 {453}	☒	22	Al	-0.000082	0.000000	No
			Fe	0.000016	0.000000	No
			Ca	0.000006	0.000000	No
			Mn	0.000084	0.000000	No
			Mo	-0.000510	0.000000	No
			Cu	0.000676	0.000000	No
			Co	-0.000195	0.000000	No
			Ti	-0.000362	0.000000	No
			Si	0.000137	0.000000	No
			Ba	-0.000022	0.000000	No
			Sb	-0.000084	0.000000	No
			Sr	-0.000033	0.000000	No
			W	-0.000312	0.000000	No
			Mg	0.000014	0.000000	No
			Cd	0.000012	0.000000	No
			Cr	-0.000040	0.000000	No
			Ni	0.000090	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			S	-0.000003	0.000000	No
			Zn	0.000064	0.000000	No
			Ce	0.000770	0.000000	No
			Zr	-0.000009	0.000000	No
			V	0.000020	0.000000	No
S 182.034 {485}	☒	9	Mo	0.001470	0.000000	No
			Al	0.000008	0.000000	No
			Fe	-0.000011	0.000000	No
			Mn	0.005259	0.000000	No
			W	-0.000026	0.000000	No
			Ca	0.000036	0.000000	No
			Mg	0.000012	0.000000	No
			Ce	-0.002570	0.000000	No
			Ba	0.004000	0.000000	No
Sb 206.833 {463}	☒	20	Fe	0.000036	0.000000	No
			Al	-0.000001	0.000000	No
			Ca	-0.000004	0.000000	No
			Ni	-0.000022	0.000000	No
			Cr	0.013948	0.000000	No
			V	-0.001296	0.000000	No
			Zn	-0.000035	0.000000	No
			Mo	-0.000826	0.000000	No
			Ti	0.000160	0.000000	No
			Sn	-0.001965	0.000000	No
			Mg	-0.000001	0.000000	No
			Zr	-0.000120	0.000000	No
			Sr	0.000031	0.000000	No
			B	-0.000100	0.000000	No
			Co	-0.000102	0.000000	No
			W	0.001030	0.000000	No
			Si	0.000030	0.000000	No
			Ce	-0.000870	0.000000	No
			Mn	-0.000139	0.000000	No
Se 196.090 {472}	☒	24	S	-0.000005	0.000000	No
			Al	0.000005	0.000000	No
			Ca	-0.000004	0.000000	No
			Mn	0.000114	0.000000	No
			Mo	0.000100	0.000000	No
			Fe	-0.000102	0.000000	No
			Co	-0.000173	0.000000	No
			Sr	-0.000011	0.000000	No
			Cu	0.000076	0.000000	No
			W	0.008390	0.000000	No
			Si	0.000054	0.000000	No
			Be	-0.000347	0.000000	No
			Zn	0.000050	0.000000	No
			B	0.000028	0.000000	No
			Ti	-0.000067	0.000000	No
			Cd	0.000090	0.000000	No
			Zr	-0.000297	0.000000	No
			Ba	-0.000046	0.000000	No
			Mg	0.000002	0.000000	No
			Pb	-0.000078	0.000000	No
			Ni	0.000043	0.000000	No
			Cr	-0.000024	0.000000	No
			S	-0.000004	0.000000	No
			V	-0.000063	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Si 212.412 {459}	☒	16	Ce	-0.000130	0.000000	No
			Sr	0.000366	0.000000	No
			Ni	0.000021	0.000000	No
			Mo	0.028000	0.000000	No
			V	0.007000	0.000000	No
			Ti	0.005473	0.000000	No
			Al	0.000002	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.001987	0.000000	No
			Sn	0.007500	0.000000	No
			Zn	0.000385	0.000000	No
			Be	-0.000048	0.000000	No
			W	0.010427	0.000000	No
			Ca	0.000017	0.000000	No
			Fe	0.000010	0.000000	No
			Mg	-0.000014	0.000000	No
Sn 189.989 {478}	☒	5	S	0.000200	0.000000	No
			Ti	-0.002510	0.000000	No
			Fe	0.000004	0.000000	No
			Si	0.000000	0.000000	No
Sr 407.771 { 83}	☒	2	Zr	0.000394	0.000000	No
			W	0.000000	0.000000	No
			Ca	0.000005	0.000000	No
Ti 334.904 {101}	☒	4	Si	0.000033	0.000000	No
			Cr	-0.000063	0.000000	No
			Mo	0.001630	0.000000	No
			Si	0.000035	0.000000	No
Ti 190.856 {477}	☒	27	Li	0.000000	0.000000	No
			Cr	0.000215	0.000000	No
			Mo	-0.000300	0.000000	No
			Al	-0.000003	0.000000	No
			Fe	-0.000080	0.000000	No
			V	0.002070	0.000000	No
			Mn	0.001121	0.000000	No
			Si	-0.000048	0.000000	No
			Ca	-0.000003	0.000000	No
			Ti	-0.000175	0.000000	No
			Mg	0.000002	0.000000	No
			Co	0.004229	0.000000	No
			Sr	0.000210	0.000000	No
			B	-0.000003	0.000000	No
			Ba	0.000034	0.000000	No
			Zn	-0.000053	0.000000	No
			As	0.000280	0.000000	No
			W	-0.000800	0.000000	No
			Cu	0.000000	0.000000	No
			Pb	0.000147	0.000000	No
			S	0.000010	0.000000	No
			Sn	-0.000086	0.000000	No
			Li	0.000000	0.000000	No
			K	0.000000	0.000000	No
			Zr	-0.000040	0.000000	No
			Ce	-0.000040	0.000000	No
			P	0.000000	0.000000	No
			Ni	0.000047	0.000000	No
V 292.402 {115}	☒	7	Ti	0.000779	0.000000	No
			Mo	-0.000954	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Fe	0.000024	0.000000	No
			Sr	-0.000100	0.000000	No
			Cr	-0.001171	0.000000	No
			Mn	-0.000100	0.000000	No
			Al	0.000000	0.000000	No
W 207.911 {462}	☒	20	Si	0.000105	0.000000	No
			As	0.000100	0.000000	No
			Mn	0.000066	0.000000	No
			Mo	-0.000300	0.000000	No
			Ti	0.000080	0.000000	No
			Sr	-0.000850	0.000000	No
			V	-0.000140	0.000000	No
			Cd	-0.000650	0.000000	No
			Cr	-0.000390	0.000000	No
			Zn	0.012306	0.000000	No
			Sn	-0.000320	0.000000	No
			Zr	0.000061	0.000000	No
			B	0.000009	0.000000	No
			Sb	-0.000300	0.000000	No
			Co	-0.001000	0.000000	No
			Ni	0.000050	0.000000	No
			Be	-0.000185	0.000000	No
			Se	-0.000105	0.000000	No
			Cu	-0.000138	0.000000	No
			Tl	-0.000220	0.000000	No
Y 360.073 { 94}* Y 371.030 { 91}* Y 224.306 {451}* Zn 206.200 {464}	☐ ☐ ☐ ☒	None None None 12				
			Cr	-0.000843	0.000000	No
			Fe	0.000002	0.000000	No
			Si	0.000015	0.000000	No
			Mn	-0.000045	0.000000	No
			Ba	-0.000060	0.000000	No
			Sn	-0.000023	0.000000	No
			Cu	0.000148	0.000000	No
			As	0.000055	0.000000	No
			Be	0.000058	0.000000	No
			Ca	0.000014	0.000000	No
			W	0.001027	0.000000	No
			V	0.000264	0.000000	No
Zr 339.198 { 99}	☒	13	Mo	0.001036	0.000000	No
			Ti	-0.000044	0.000000	No
			Fe	0.000009	0.000000	No
			Si	0.000032	0.000000	No
			S	0.000000	0.000000	No
			Cr	-0.000200	0.000000	No
			W	0.003000	0.000000	No
			V	0.000800	0.000000	No
			Ni	0.000000	0.000000	No
			As	0.000000	0.000000	No
			Sn	0.000000	0.000000	No
			Sb	0.000000	0.000000	No
			Ce	0.000000	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000103	0.164607	0.000000	1.000000
Al 396.152 { 85}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000431	0.046742	0.000000	1.000000
As 189.042 {478}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000333	0.146719	0.000000	1.000000
B 208.959 {462}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000305	0.354252	0.000000	1.000000
Ba 455.403 { 74}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.001594	3.216020	0.000000	1.000000
Be 313.042 {108}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000023	2.585318	0.000000	1.000000
Bi 223.061 {451}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	-0.000866	0.242729	0.000000	1.000000
Ca 317.933 {106}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.006195	0.101059	0.000000	1.000000
Cd 228.802 {448}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000554	1.312113	0.000000	1.000000
Ce 404.076 { 83}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	1/Conc	-0.000245	0.042363	0.000000	1.000000
Co 228.616 {448}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	-0.000252	0.547963	0.000000	1.000000
Cr 267.716 {126}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	-0.000026	0.153015	0.000000	1.000000
Cu 324.754 {104}2	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.016093	0.219130	0.000000	1.000000
Fe 259.940 {130}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000061	0.037390	0.000000	1.000000
In 230.606 {446}*	8/7/2025 20:09:35	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000667	0.017368	0.000000	1.000000
Li 670.784 { 50}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000890	0.548709	0.000000	1.000000
Mg 279.079 {121}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	-0.000104	0.009382	0.000000	1.000000
Mn 257.610 {131}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	-0.000025	0.915517	0.000000	1.000000
Mo 202.030 {467}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000490	0.740764	0.000000	1.000000
Na 589.592 { 57}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.001033	0.071059	0.000000	1.000000
Ni 231.604 {446}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	-0.000207	0.468047	0.000000	1.000000
P 177.495 {490}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	1/Conc	-0.003210	0.136402	0.000000	1.000000
Pb 220.353 {453}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000204	0.203890	0.000000	1.000000
S 182.034 {485}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000684	0.081158	0.000000	1.000000
Sb 206.833 {463}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000522	0.202912	0.000000	1.000000
Se 196.090 {472}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000723	0.116782	0.000000	1.000000
Si 212.412 {459}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.004334	0.273783	0.000000	1.000000
Sn 189.989 {478}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000280	0.154133	0.000000	1.000000
Sr 407.771 { 83}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000360	3.464061	0.000000	1.000000
Ti 334.904 {101}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	-0.000070	0.154349	0.000000	1.000000
Tl 190.856 {477}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	-0.000101	0.041050	0.000000	1.000000
V 292.402 {115}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	-0.000045	0.247803	0.000000	1.000000
W 207.911 {462}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.002033	0.383228	0.000000	1.000000
Y 360.073 { 94}*	8/7/2025 20:09:35	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	8/7/2025 20:09:35	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	8/7/2025 20:09:35	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {464}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	0.000431	1.366228	0.000000	1.000000
Zr 339.198 { 99}	8/7/2025 20:09:35	8/7/2025 8:08:30	Linear	None	-0.000956	0.498052	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	1.000000	0.000000	0.000519	0.001731	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	1.000000	0.000000	0.006149	0.020495	OK	1.000000	0.000000	1	0
As 189.042 {478}	1.000000	0.000000	0.001267	0.004225	OK	1.000000	0.000000	1	0
B 208.959 {462}	1.000000	0.000000	0.000652	0.002175	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	1.000000	0.000000	0.000124	0.000414	OK	1.000000	0.000000	1	0
Be 313.042 {108}	1.000000	0.000000	0.000047	0.000155	OK	1.000000	0.000000	1	0
Bi 223.061 {451}	1.000000	0.000000	0.001860	0.006201	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	1.000000	0.000000	0.001636	0.005453	OK	1.000000	0.000000	1	0
Cd 228.802 {448}	1.000000	0.000000	0.000228	0.000759	OK	1.000000	0.000000	1	0
Ce 404.076 { 83}	1.000000	0.000000	0.003852	0.012841	OK	1.000000	0.000000	1	0
Co 228.616 {448}	1.000000	0.000000	0.000368	0.001227	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	1.000000	0.000000	0.000392	0.001307	OK	1.000000	0.000000	1	0
Cu 324.754 {104}2	1.000000	0.000000	0.000511	0.001702	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	1.000000	0.000000	0.001977	0.006588	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	1.000000	0.000000	0.030335	0.101116	OK	1.000000	0.000000	1	0
Li 670.784 { 50}	1.000000	0.000000	0.000923	0.003077	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	1.000000	0.000000	0.011306	0.037688	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	1.000000	0.000000	0.000061	0.000202	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	1.000000	0.000000	0.000378	0.001260	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	1.000000	0.000000	0.006819	0.022731	OK	1.000000	0.000000	1	0
Ni 231.604 {446}	1.000000	0.000000	0.000493	0.001644	OK	1.000000	0.000000	1	0
P 177.495 {490}	1.000000	0.000000	0.001364	0.004547	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	1.000000	0.000000	0.001770	0.005900	OK	1.000000	0.000000	1	0
S 182.034 {485}	1.000000	0.000000	0.002517	0.008390	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	1.000000	0.000000	0.001604	0.005348	OK	1.000000	0.000000	1	0
Se 196.090 {472}	1.000000	0.000000	0.002097	0.006989	OK	1.000000	0.000000	1	0
Si 212.412 {459}	1.000000	0.000000	0.001192	0.003973	OK	1.000000	0.000000	1	0
Sn 189.989 {478}	1.000000	0.000000	0.001177	0.003924	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	1.000000	0.000000	0.000066	0.000221	OK	1.000000	0.000000	1	0
Ti 334.904 {101}	1.000000	0.000000	0.000488	0.001628	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	1.000000	0.000000	0.002946	0.009820	OK	1.000000	0.000000	1	0
V 292.402 {115}	1.000000	0.000000	0.000336	0.001120	OK	1.000000	0.000000	1	0
W 207.911 {462}	1.000000	0.000000	0.001516	0.005054	OK	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 224.306 {451}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {464}	1.000000	0.000000	0.000181	0.000605	OK	1.000000	0.000000	1	0
Zr 339.198 { 99}	1.000000	0.000000	0.000232	0.000772	OK	1.000000	0.000000	1	0

Aqueous Metals Digestion Form

Batch Information						
Batch ID	Start Date	Start Time	End Date	End time	QC Samp 1	QC Samp 2
MP56401	8/7/2025	9:55	8/7/2025	12:55	JE16441-1	

Temperature						
		Block ID1	Therm. ID#	Temperature	Correction	Corrected Temp
1	Start	MP-9	996469	96	-1	95
1	End	MP-9	996469	96	-1	95
2	Start					
2	End					

Methods and Equipment				
	Dig. Method	Heating Method	Auto Pipette #	Digestion Tube Lot #
	SW846 3010A	Digestion Block	M-104	LV25012005

Sample ID	Bottle Number	pH<2 (Y/N)	Initial Sample Volume	Final Volume in ML	Reagent Groups Added	Spike Groups Added	Comments
MP56401-MB1	N/A	N	50	50	AB		
MP56401-B1	N/A	N	50	50	AB	ABCD	
MP56401-S1	1	Y	50	50	AB	ABCD	
MP56401-S2	1	Y	50	50	AB	ABCD	
MP56401-SD1	1	Y	50	50	AB		
JE16441-1	1	Y	50	50	AB		
JE16441-15	1	Y	50	50	AB		
JE16441-15F	2	Y	50	50	AB		
JE16441-16	1	Y	50	50	AB		
JE16441-16F	2	Y	50	50	AB		
JE16441-17	1	Y	50	50	AB		
JE16441-17F	2	Y	50	50	AB		
JE16441-18	1	Y	50	50	AB		
JE16441-18F	2	Y	50	50	AB		
JE16441-19	1	Y	50	50	AB		
JE16441-19F	2	Y	50	50	AB		
JE16441-1F	2	Y	50	50	AB		
JE16441-20	1	Y	50	50	AB		
JE16441-20F	2	Y	50	50	AB		
JE16471-2	1	Y	50	50	AB		
JE16471-3	1	Y	50	50	AB		
JE16471-4	1	Y	50	50	AB		
JE16471-5	1	Y	50	50	AB		
JE16518-1	3	Y	50	50	AB		
MP56401-B2	N/A	N	50	50	AB	ABCD	FILTERMET 8/6
MP56401-MB2	N/A	N	50	50	AB		FILTERMET 8/6

Reagents Groups		
Group	Description	MLs Used
A	CONC HNO3	5
B	1:1 HCL	5
C		
D		
E		
F		
G		
H		

Spike Groups		
Group	Description	MLs Used
A	ACCUTEST 13A REV1	0.5
B	ACCUTEST 14A REV1	0.5
C	MINERALS 5000 PPM	0.25
D	AG 20 PPM	0.625
E		
F		
G		
H		
I		

Comments: _____

Analyst BRIANNAP Approved by julianj Approved on 8/7/2025

Note: Reagent traceability for batch Start Date can be seen on the reagent traceability page for this batch.
Serial Dilution samples shown for QC purposes only.
Acceptable Temperature range is 90-95 degrees C unless otherwise noted



Metals Digestion Reagents Information Log

Digestion Batch ID: MP56401 **DATE: 08/07/25**

Matrix: ALL

<u>Standard/Reagent Type</u>	<u>Exp. Date</u>	<u>Standard/Reagent ID</u>
Spiking Solution- (ACCUTEST 13A REV1)	11/20/2025	MP-21-58-255
Spiking Solution- (ACCUTEST 14A REV1)	11/20/2025	MP-21-58-254
Spiking Solution - 5000 mg/l Minerals	11/13/2025	2322102-ILEE MFG: ENVI EXPRESS
Spiking Solution - Sulfur 1000ppm	4/17/2026	LOT: 0630226 MFG: ABS STANDARDS
Spiking Solution - Si 1000ppm	1/11/2026	LOT: MA-INTER-071125-3 MFG: INO. VENT.
Spiking Solution - Bi 1000ppm	11/5/2025	LOT: T2-BI725283 MFG: INO. VENT.
Spiking Solution - Se 20ppm	8/13/2025	MP-21-58-229
Spiking Solution - Li 1000ppm	2/28/2026	LOT: UN3264 MFG: RICCA
Spiking Solution- Ag 20 ppm	11/21/2025	MP-21-58-256
Spiking Solution - (ACCUTEST 13B REV1)	10/29/2025	MP-21-58-245
Spiking Solution - (ACCUTEST 14B REV1)	10/29/2025	MP-21-58-246
Spiking Solution - 1000ppm Minerals	11/20/2025	MP-21-58-252
Nitric Acid	12/30/2025	LOT: 24007769 MFG: FISHER
Nitric Acid (1:1)	1/21/2026	MP-21-60-353 MFG: FISHER
Hydrochloric Acid	3/17/2029	LOT: 24D1562005 MFG: J.T BAKER
Hydrochloric Acid (1:1)	1/21/2026	MP-21-60-354 1:1 HCL MFG: FISHER
Hydrogen Peroxide	7/30/2026	LOT: 233975 MFG: FISHER
Soil Lab Control/Soil LC	11/26/2025	LOT: 681022m MFG: ERA
Teflon Chips(For Soil MB and Blank Spike)	N/A	LOT: 27407287 MFG: SAINT-GOBAIN
Digestion Tubes 50mL	N/A	LOT: LV24010607 MFG: ENV. EXPRESS
Digestion Tubes 100mL	N/A	LOT: 2206050 MFG: ENV. EXPRESS
pH Paper	9/15/2025	LOT: 226322 MFG: HYDRION
Filter paper Q8	N/A	LOT: 17607330 MFG: FISHER

Spike witnessed By: SK

General Chemistry

QC Data Summaries



Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
HEM Oil and Grease	GP63079/GN71907	5.0	0.0	mg/l	40	39.3	98.3	78-114%

Associated Samples:
Batch GP63079: JE16518-1
(*) Outside of QC limits

8.1
8

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
HEM Oil and Grease	GP63079/GN71907	JE16535-4	mg/l	1.3	0.0	200.0(a)	0-18%

Associated Samples:

Batch GP63079: JE16518-1

(*) Outside of QC limits

(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE16518
Account: SESINJPB - SESI Consulting Engineers
Project: 12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
HEM Oil and Grease	GP63079/GN71907	JE16535-3	mg/l	1.4	40	41.2	99.5	78-114%

Associated Samples:

Batch GP63079: JE16518-1

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

8.3

8



Dayton, NJ

Section 9

General Chemistry

Raw Data

6

TEST: HEM Oil and Grease

Method: EPA 1664A

Date Extracted: 8/7/2025

Balance # Used: B-93

OG1664

Reporting Date: 8/7/2025

Final Date Weighed: 8/7/2025

(Refer to balance log for balance calibration)

GN Group: GN71907

GP Group: GP63079

Analyst: SARAHS

Units: mg/L

QC Summary

Units: mg/l

Dup Sample ID: JE16535-4

MS Sample ID: JE16535-3

Method Blank Date: 8/7/2025

Blank Spike Date: 8/7/2025

External: na

Samp Res: <5

Samp Res: <5

Result: <5

Result: 39.3

Control Limit: na

Dup Result: <5

Spike: 41.2

RL: 5

Spk Amt: 40

Result: na

% RPD: 0%

% MS Res: 41.2

% Rec: <RL: Y

% Rec: 98.25%

% Rec: na

Speed Vap Temperature During Evaporation: 60 deg. C

Speed: Vap III

Vap ID:

(C) refer to Determination of Constant weights page for balance check weight results.

Flask #	Sample ID	Sample pH	Sample Volume (ml)	Total Weight (g)	Tare Weight (g)	Sample Weight (g)	Calc Result	Final Result	RL	Analysis Time
	0.002 g check (c)	na	na	0.0019	0.0019	na	na	na	na	11:00
	1.000 g check (c)	na	na	1.0001	1.0001	na	na	na	na	11:00
	5.000 g check (c)	na	na	5.0002	5.0002	na	na	na	na	11:00
	100 g check (c)	na	na	100.0082	100.0082	na	na	na	na	11:00
MB	GP63079-MB1	<2	1000	2.4227	2.4225	0.0002	0.200	<5	5.00	11:00
BSP	GP63079-B1	<2	1000	2.4690	2.4297	0.0393	39.300	39.300	5.00	11:00
MS	GP63079-S1	<2	1000	2.4763	2.4351	0.0412	41.200	41.200	5.00	11:00
DUP	GP63079-D1	<2	1000	2.4484	2.4473	0.0011	1.100	<5	5.00	11:00
1	JE16535-3	<2	1000	2.4214	2.4200	0.0014	1.400	<5	5.00	11:00
2	JE16535-4	<2	1000	2.4315	2.4302	0.0013	1.300	<5	5.00	11:00
3	JE16518-1	<2	1000	2.4247	2.4177	0.0070	7.000	7.000	5.00	11:00
4	JE16544-1	<2	1000	2.4329	2.4319	0.0010	1.000	<5	5.00	11:00
5	JE16386-1	<2	1000	2.4601	2.4303	0.0298	29.800	29.800	5.00	11:00
6	DA73982-1	<2	1000	2.4442	2.4440	0.0002	0.200	<5	5.00	11:00
7	DA73982-2	<2	1000	2.4498	2.4455	0.0043	4.300	<5	5.00	11:00
8	DA73982-3	<2	1000	2.4343	2.4342	0.0001	0.100	<5	5.00	11:00
9	JE16485-3	<2	1000	2.4258	2.4257	0.0001	0.100	<5	5.00	11:00
10	JE16485-4	<2	1000	2.4229	2.4214	0.0015	1.500	<5	5.00	11:00
	0.002 g check (c)	na	na	0.0019	0.0019	na	na	na	na	13:00
	1.000g check(b)	na	na	1.0001	1.0001	na	na	na	na	13:00



DETERMINATION OF CONSTANT WEIGHT

Test: HEM Oil and Grease	GN Group: GN71907	Balance ID#: B-93
Method: EPA 1664A	GP Group: GP63079	Thermometer ID#: 73133
Test Code: OG1664	Analyst: SS	Thermometer correction factor: 0
10A	Units: mg/l	

Definition of Constant Weight: Weight loss is less than 0.5 mg (0.0005 g).

Date:	8/7/2025	8/7/2025			
Start Time, End Time, Temp (Corrected, Uncorrected)					
NA	11:20-11:40(70C)	12:30-12:50(70C)			
Flask #	First Weight (g)	Second Weight (g)	Re-Weight (g)	Third Weight (g)	Fourth Weight (g)
Sample ID					Description
0.002 g check (c)	0.0019	0.0019	N		
1.000 g check (c)	1.0001	1.0001	N		
5.000 g check (c)	5.0002	5.0002			
100 g check (c)	100.0082	100.0082	N		
GP63079-MB1	2.4227	2.4227	N		
GP63079-B1	2.4690	2.4690	N		5ml spike
GP63079-S1	2.4763	2.4763	N		5ml spike
GP63079-D1	2.4484	2.4484	N		
JE16535-3	2.4214	2.4214	N		
JE16535-4	2.4314	2.4315	N		
JE16518-1	2.4247	2.4247	N		
JE16544-1	2.4328	2.4329	N		
JE16386-1	2.4600	2.4601	N		
DA73982-1	2.4442	2.4442	N		
DA73982-2	2.4497	2.4498	N		
DA73982-3	2.4343	2.4343	N		
JE16485-3	2.4256	2.4258	N		
JE16485-4	2.4229	2.4229	N		
0.002 g check (c)	0.0019	0.0019	N		
1.000g check(b)	1.0001	1.0001	N		
5.000g check(c)	5.0002	5.0002	N		

Note: Samples must be dried at 70 +/- 2 deg. For a minimum of 30 minutes for each drying cycle.

Units: mg/l

Thermometer ID#: _____
Thermometer correction factor: 0

Note: Samples must be dried at 70 +/- 2 deg. For a minimum of 30 minutes for each drying cycle.

[illegible]

(b) Acceptance range = 0.995 to 1.005 g

Form: GN-110
Rev. Date: 8/7/2025



Reagent Information Log - OG1664 Water by EPA 1664A

<u>Reagent</u>	<u>Expiration Date</u>	<u>Reagent # or Manufacturer/Lot</u>
Hexane	7/24/2027	TEDIA LOT # 24060260
HEM Spike	8/31/2025	GNE7-78911-OG1664
Methanol	7/23/2028	FISHER LOT #235548
Disk Filter	NA	LABORATORYSALES&SER.#103522
1:1 HCL	11/6/2027	GNE3-60522-PHC/OG1
Sodium Sulfate	8/31/2025	GNE7-78913-PHC/OG1664
Filter 47mm	NA	LABORATORYSALES&SER.#150125
Pre-Filter 47mm	NA	LABORATORYSALES&SER.#141347
Filter 90/100mm	NA	LABORATORYSALES&SER.#140294
Pre-Filter 90/100mm	NA	LABORATORYSALES&SER.#141272
pH paper	11/1/2025	HYDRON LOT#231610
HEM Spike (ICV)	8/31/2025	LOT #082

B1/S1= 5.0ml of 8.060 mg/mL HEM SPIKE
 HEX= 4.05 mg/L

Form: GN-087 1-44
 Rev. Date: 11/4/08

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

SESI Consulting Engineers

12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY

12060

SGS Job Number: JE17355

Sampling Date: 08/19/25

Report to:

anthony.raposo@sesi.org
sharon.cashel@sesi.org
tyler.fisher@sesi.org

ATTN: Distribution4

Total number of pages in report: **16**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Louie Devletter 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

Sample Summary

SESI Consulting Engineers

Job No: JE17355

12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY
Project No: 12060

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
---------------	----------------	---------	----------	-------------	------	------------------

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

JE17355-1	08/19/25	12:20	TF	08/19/25	AQ	Effluent	GW-TS-EFFLUENT
JE17355-1A	08/19/25	12:20	TF	08/19/25	AQ	Effluent	GW-TS-EFFLUENT

Report of Analysis

Page 1 of 2

Client Sample ID:	GW-TS-EFFLUENT	
Lab Sample ID:	JE17355-1	Date Sampled: 08/19/25
Matrix:	AQ - Effluent	Date Received: 08/19/25
Method:	SW846 8260D	Percent Solids: n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5A18817.D	1	08/20/25 20:36	CF	n/a	n/a	V5A511
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	08/19/25
Lab Sample ID:	JE17355-1	Date Received:	08/19/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8260D		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene ^a	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	97%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	89%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	GW-TS-EFFLUENT	
Lab Sample ID:	JE17355-1	Date Sampled: 08/19/25
Matrix:	AQ - Effluent	Date Received: 08/19/25
Method:	SW846 8270E SW846 3510C	Percent Solids: n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F227678.D	1	08/21/25 20:11	AO	08/21/25 09:00	OP66498	EF10118
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol ^a	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol ^b	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol ^c	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol ^c	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol ^a	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol ^a	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate ^a	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	08/19/25
Lab Sample ID:	JE17355-1	Date Received:	08/19/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8270E SW846 3510C		
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene ^a	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene ^a	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		10-71%

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	GW-TS-EFFLUENT		
Lab Sample ID:	JE17355-1	Date Sampled:	08/19/25
Matrix:	AQ - Effluent	Date Received:	08/19/25
Method:	SW846 8270E SW846 3510C	Percent Solids:	n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	23%		10-58%
118-79-6	2,4,6-Tribromophenol	70%		22-144%
4165-60-0	Nitrobenzene-d5	58%		28-118%
321-60-8	2-Fluorobiphenyl	53%		34-116%
1718-51-0	Terphenyl-d14	59%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

- (a) Associated CCV outside of control limits high, sample was ND.
 (b) Associated BS/BSD outside control limits biased high. Sample ND.
 (c) Associated CCV and BS/BSD outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT			Date Sampled:	08/19/25
Lab Sample ID:	JE17355-1			Date Received:	08/19/25
Matrix:	AQ - Effluent			Percent Solids:	n/a
Method:	SW846 8270E BY SIM SW846 3510C				
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CS8402.D	1	08/22/25 19:50	RS	08/21/25 09:00	OP66498A	ECS432
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
4165-60-0	Nitrobenzene-d5	59%		23-127%		
321-60-8	2-Fluorobiphenyl	58%		23-114%		
1718-51-0	Terphenyl-d14	60%		10-121%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT			Date Sampled:	08/19/25
Lab Sample ID:	JE17355-1			Date Received:	08/19/25
Matrix:	AQ - Effluent			Percent Solids:	n/a
Method:	SW846 8081B SW846 3510C				
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK31027.D	1	08/21/25 15:39	MLC	08/21/25 09:30	OP66499	GRK944
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0050	0.0026	ug/l	
319-84-6	alpha-BHC	ND	0.0050	0.0026	ug/l	
319-85-7	beta-BHC	ND	0.0050	0.0040	ug/l	
319-86-8	delta-BHC	ND	0.0050	0.0033	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0050	0.0030	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0050	0.0025	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0050	0.0021	ug/l	
60-57-1	Dieldrin	ND	0.0050	0.0038	ug/l	
72-54-8	4,4' -DDD	ND	0.0050	0.0029	ug/l	
72-55-9	4,4' -DDE	ND	0.0050	0.0025	ug/l	
50-29-3	4,4' -DDT	ND	0.0050	0.0034	ug/l	
72-20-8	Endrin	ND	0.0050	0.0030	ug/l	
1031-07-8	Endosulfan sulfate ^a	ND	0.0050	0.0027	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0050	0.0034	ug/l	
53494-70-5	Endrin ketone	ND	0.0050	0.0031	ug/l	
959-98-8	Endosulfan-I	ND	0.0050	0.0026	ug/l	
33213-65-9	Endosulfan-II	ND	0.0050	0.0024	ug/l	
76-44-8	Heptachlor	ND	0.0050	0.0022	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0050	0.0030	ug/l	
72-43-5	Methoxychlor	ND	0.010	0.0034	ug/l	
8001-35-2	Toxaphene	ND	0.13	0.082	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		10-175%
877-09-8	Tetrachloro-m-xylene	70%		10-175%
2051-24-3	Decachlorobiphenyl	37%		10-128%
2051-24-3	Decachlorobiphenyl	38%		10-128%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT		Date Sampled:	08/19/25
Lab Sample ID:	JE17355-1		Date Received:	08/19/25
Matrix:	AQ - Effluent		Percent Solids:	n/a
Method:	SW846 8082A SW846 3510C			
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY			

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2524327.D	1	08/21/25 15:58	MLC	08/21/25 09:30	OP66500	GXX8932
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.25	0.098	ug/l	
11104-28-2	Aroclor 1221	ND	0.25	0.21	ug/l	
11141-16-5	Aroclor 1232	ND	0.25	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.25	0.23	ug/l	
12672-29-6	Aroclor 1248	ND	0.25	0.22	ug/l	
11097-69-1	Aroclor 1254	ND	0.25	0.21	ug/l	
11096-82-5	Aroclor 1260	ND	0.25	0.21	ug/l	
11100-14-4	Aroclor 1268	ND	0.25	0.087	ug/l	
37324-23-5	Aroclor 1262	ND	0.25	0.23	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	170% ^a		10-169%
877-09-8	Tetrachloro-m-xylene	105%		10-169%
2051-24-3	Decachlorobiphenyl	71%		10-130%
2051-24-3	Decachlorobiphenyl	68%		10-130%

(a) Outside of in house control limits.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	08/19/25
Lab Sample ID:	JE17355-1	Date Received:	08/19/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	515	200	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Antimony	< 6.0	6.0	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Arsenic	< 3.0	3.0	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Barium	< 200	200	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Beryllium	< 1.0	1.0	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Cadmium	< 3.0	3.0	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Calcium	69000	5000	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Chromium	< 10	10	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Cobalt	< 50	50	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Copper	< 10	10	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Iron	783	100	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Lead	< 3.0	3.0	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Magnesium	20300	5000	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Manganese	119	15	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Mercury	< 0.20	0.20	ug/l	1	08/21/25	08/21/25 CM	SW846 7470A ¹	SW846 7470A ⁴
Nickel	< 10	10	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Potassium	< 10000	10000	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Selenium	< 10	10	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Silver	< 10	10	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Sodium	33500	10000	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Thallium	< 10	10	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Vanadium	< 50	50	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³
Zinc	< 20	20	ug/l	1	08/21/25	08/21/25 LM	SW846 6010D ²	SW846 3010A ³

(1) Instrument QC Batch: MA59193

(2) Instrument QC Batch: MA59197

(3) Prep QC Batch: MP56706

(4) Prep QC Batch: MP56713

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	GW-TS-EFFLUENT	Date Sampled:	08/19/25
Lab Sample ID:	JE17355-1	Date Received:	08/19/25
Matrix:	AQ - Effluent	Percent Solids:	n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	08/20/25 10:05	RI	SW846 7196A
Cyanide	< 0.010	0.010	mg/l	1	08/21/25 19:05	JD	EPA 335.4/LACHAT
HEM Oil and Grease	< 5.0	5.0	mg/l	1	08/25/25 17:00	SS	EPA 1664A
Redox Potential Vs H2	320		mv	1	08/22/25 14:28	KG	ASTM D1498-76
pH ^a	7.97		su	1	08/20/25 13:55	GT	SM4500H+ B-11/21

(a) Field analysis required. Received out of hold time and analyzed by request. Temp of pH Reading: 22.34 Deg. C

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	GW-TS-EFFLUENT		Date Sampled:	08/19/25
Lab Sample ID:	JE17355-1A		Date Received:	08/19/25
Matrix:	AQ - Effluent		Percent Solids:	n/a
Method:	EPA 1633 EPA 1633			
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY			

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Q36743.D	1	08/21/25 17:16	AM	08/21/25 11:00	OP66496	T2Q411
Run #2							

	Initial Volume	Final Volume
Run #1	499 ml	5.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
---------	----------	--------	----	-----	-------	---

PERFLUOROALKYL CARBOXYLIC ACIDS

375-22-4	Perfluorobutanoic acid	0.0084	0.0080	0.00093	ug/l	
2706-90-3	Perfluoropentanoic acid	0.0033	0.0040	0.00073	ug/l	J
307-24-4	Perfluorohexanoic acid	0.0024	0.0020	0.00029	ug/l	
375-85-9	Perfluoroheptanoic acid	0.0028	0.0020	0.00050	ug/l	
335-67-1	Perfluorooctanoic acid	0.0138	0.0020	0.00075	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0020	0.00040	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0020	0.00062	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0020	0.00055	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0020	0.00077	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0020	0.00079	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0020	0.00076	ug/l	

PERFLUOROALKYL SULFONIC ACIDS

375-73-5	Perfluorobutanesulfonic acid	0.0141	0.0020	0.00066	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.0038	0.0020	0.0011	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0020	0.00098	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0074	0.0020	0.00043	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0020	0.0011	ug/l	

FLUOROTELOMER SULFONIC ACIDS

27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0080	0.00091	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0080	0.0015	ug/l	

PERFLUOROCTANE SULFONAMIDES

754-91-6	PFOSA	ND	0.0020	0.00069	ug/l	
----------	-------	----	--------	---------	------	--

PERFLUOROCTANE SULFONAMIDOACETIC ACIDS

2355-31-9	MeFOSAA	ND	0.0020	0.00051	ug/l	
2991-50-6	EtFOSAA	ND	0.0020	0.00091	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	GW-TS-EFFLUENT		
Lab Sample ID:	JE17355-1A	Date Sampled:	08/19/25
Matrix:	AQ - Effluent	Date Received:	08/19/25
Method:	EPA 1633 EPA 1633	Percent Solids:	n/a
Project:	12060, Ossining Investigation, 136-140 Croton Avenue, Ossining, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	57%		5-130%
	13C5-PFPeA	95%		40-130%
	13C5-PFHxA	95%		40-130%
	13C4-PFHpA	93%		40-130%
	13C8-PFOA	96%		40-130%
	13C9-PFNA	88%		40-130%
	13C6-PFDA	101%		40-130%
	13C7-PFUnDA	88%		30-130%
	13C2-PFDoDA	72%		10-130%
	13C2-PFTeDA	63%		10-130%
	13C3-PFBS	107%		40-135%
	13C3-PFHxS	97%		40-130%
	13C8-PFOS	90%		40-130%
	13C8-FOSA	98%		40-130%
	d3-MeFOSAA	95%		40-170%
	d5-EtFOSAA	102%		25-135%
	13C2-6:2FTS	102%		40-200%
	13C2-8:2FTS	86%		40-300%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL 732-329-0200
www.sgs.com/ehsusa

Page __ of __

[illegible]

Ref No: G140222909

Page 1 of 2

SGS Sample Receipt Summary

Job Number: JE17355

Client: SESI CONSULTING ENGINEERS

Project: 136 CROTON AVENUE, OSSINING, NY

Date / Time Received: 8/19/2025 12:20:00 PM

Delivery Method: IMP

Airbill #s:
Cooler Temps (Raw Measured) °C: Cooler 1: (1.9); Cooler 2: (2.3);

Cooler Temps (Corrected) °C: Cooler 1: (1.9); Cooler 2: (2.3);

Cooler Security
Y or N
Y or N

- | | |
|--|--|
| 1. Custody Seals Present: ☒ ☐ | 3. COC Present: ☒ ☐ |
| 2. Custody Seals Intact: ☒ ☐ | 4. Smpl Dates/Time OK ☒ ☐ |

Cooler Temperature
Y or N

- | | |
|---|--|
| 1. Temp criteria achieved: ☒ ☐ | |
| 2. Cooler temp verification: IR-50 | |
| 3. Cooler media: Ice (Bag) | |
| 4. No. Coolers: 2 | |

Quality Control Preservation
Y or N
N/A

- | | |
|---|--|
| 1. Trip Blank present / cooler: ☐ ☒ ☐ | |
| 2. Trip Blank listed on COC: ☐ ☒ ☐ | |
| 3. Samples preserved properly: ☒ ☐ ☐ | |
| 4. VOCs headspace free: ☒ ☐ ☐ | |

Sample Integrity - Documentation
Y or N

- | | |
|---|--|
| 1. Sample labels present on bottles: ☒ ☐ | |
| 2. Container labeling complete: ☒ ☐ | |
| 3. Sample container label / COC agree: ☒ ☐ | |

Sample Integrity - Condition
Y or N

- | | |
|---|--|
| 1. Sample recvd within HT: ☒ ☐ | |
| 2. All containers accounted for: ☒ ☐ | |
| 3. Condition of sample: Intact | |

Sample Integrity - Instructions
Y or N
N/A

- | | |
|--|--|
| 1. Analysis requested is clear: ☒ ☐ | |
| 2. Bottles received for unspecified tests: ☐ ☒ | |
| 3. Sufficient volume recvd for analysis: ☒ ☐ | |
| 4. Compositing instructions clear: ☐ ☐ ☒ | |
| 5. Filtering instructions clear: ☐ ☐ ☒ | |

Test Strip Lot #s:	pH 1-12: 231619	pH 12+: 203117A	Other: (Specify)
--------------------	-----------------	-----------------	------------------

Comments

SM089-03
Rev. Date 12/7/17

JE17355: Chain of Custody

Page 2 of 2

Appendix N:
Deviation Approvals

Anthony Raposo, PE, LSRP

From: Squire, Michael H (DEC) <Michael.Squire@dec.ny.gov>
Sent: Monday, July 14, 2025 10:44 AM
To: Anthony Raposo, PE, LSRP
Cc: Fuad Dahan, PE, LSRP
Subject: Re: Iron in soil sample for C360207 Sun Valley Nursery Station

CAUTION !! This E-Mail originated from outside the organization. Confirm it is from a legitimate E-Mail address. If uncertain - do not click links or open attachments unless you contact the sender and know the content is safe.

Anthony,

Since iron wasn't considered a contaminant of concern during the RI and isn't in 6 NYCRR Table 375-6.8(a), there is no need to address it through further excavation.

Thanks,

Michael Squire

Assistant Engineer
Division of Environmental Remediation, Remedial Bureau C

New York State Department of Environmental Conservation

625 Broadway, Albany, NY 12233
P: (518) 402-9546 | michael.squire@dec.ny.gov

<https://link.edgepilot.com/s/e1a178ce/qMiUFJRqDEmtYvCt5kJ1w?u=http://www.dec.ny.gov/> |  |  | 



Transmitted via Email

September 15, 2025

Fuad Dahan
SESI Consulting Engineers
959 Route 46E
Floor 3, Suite 300
Parsippany, NJ 07054
fd@sesi.org

**Re: Remedial Action Work Plan – Addendum (Groundwater)
NYSDEC Site C360207, Sun Valley Nursery Filling Station
Ossining, Westchester County**

Dear Mr. Dahan

The New York State Department of Environmental Conservation (NYSDEC) has reviewed the proposed plan to apply oxygen releasing compound powder to address groundwater contamination and baseline groundwater sampling data provided on September 5th and September 8th, 2025 respectively for the referenced site. The NYSDEC finds the plan acceptable. Given that the post-remediation groundwater sampling data provided indicate contaminants of concern meet ambient water quality standards, the approved plan doesn't need to be executed unless quarterly groundwater results under the site management plan indicate otherwise.

However, only sample RI-MW-01D had data for contaminants of concern 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene, and dissolved oxygen and oxidation-reduction potential parameters in groundwater were not provided with the sampling data. Please include data for these compounds and parameters for all monitoring wells in the final engineering report and the site management plan, to serve as a baseline for monitored natural attenuation and to help in determining the need for the oxygen releasing compound.

Should you have any questions, please contact me at michael.squire@dec.ny.gov or at 518-402-9546.

Sincerely,

Michael Squire
Project Manager

ec: Amen Omorogbe, NYSDEC
Jim Sullivan, NYSDOH
Melissa Doroski, NYSDOH
Anthony Raposo, SESI anthony.raposo@sesi.org
Joseph Apicella, 136-140 Croton Avenue LLC j_apicella@macquesten.com
DECDocs