284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

OrderID:	Q3018	**OrderDate:**	9/4/2025 10:19:00 AM
Client:	Alliance Technical Group, LLC - Newark	**Project:**	NJ Waste Water PT
Contact:	Mohammad Ahmed	**Location:**	QA Office

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3018-01	**WP0925-PT-TM1-WP**	**Water**			**09/02/25**			**09/04/25**
			Metals Group3	6010D		09/23/25	09/26/25	
Q3018-02	**WP0925-PT-TM1-WP**	**Water**			**09/02/25**			**09/04/25**
			Metals Group3	6020B		09/23/25	09/25/25	
Q3018-03	**WP0925-PT-SNTI-WP**	**Water**			**09/02/25**			**09/04/25**
			Metals Group4	6010D		09/23/25	09/26/25	
Q3018-04	**WP0925-PT-SNTI-WP**	**Water**			**09/02/25**			**09/04/25**
			Metals Group4	6020B		09/23/25	09/25/25	
Q3018-05	**WP0925-PT-MIN2-WP**	**Water**			**09/02/25**			**09/04/25**
			Metals Group5	6010D		09/23/25	09/26/25	
Q3018-06	**WP0925-PT-MIN2-WP**	**Water**			**09/02/25**			**09/04/25**
			Metals Group5	6020B		09/23/25	09/25/25	
Q3018-07	**WP0925-PT-HG-WP**	**Water**			**09/02/25**			**09/04/25**
			Mercury	7470A		10/02/25	10/03/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3018 **Order ID:** Q3018

Client: Alliance Technical Group, LLC - Newark **Project ID:** NJ Waste Water PT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WP0925-PT-TM1-WP								
Q3018-02	WP0925-PT-TM1-WP	Water	Aluminum	3040		1.94	20.0	ug/L
Q3018-02	WP0925-PT-TM1-WP	Water	Antimony	623		0.11	2.00	ug/L
Q3018-02	WP0925-PT-TM1-WP	Water	Arsenic	232		0.089	1.00	ug/L
Q3018-02	WP0925-PT-TM1-WP	Water	Barium	1590		0.21	10.0	ug/L
Q3018-02	WP0925-PT-TM1-WP	Water	Beryllium	248		0.32	1.00	ug/L
Q3018-02	WP0925-PT-TM1-WP	Water	Cadmium	407		0.34	1.00	ug/L
Q3018-02	WP0925-PT-TM1-WP	Water	Chromium	878		0.21	2.00	ug/L
Q3018-02	WP0925-PT-TM1-WP	Water	Cobalt	318		0.070	1.00	ug/L
Q3018-02	WP0925-PT-TM1-WP	Water	Copper	331		0.30	2.00	ug/L
Q3018-02	WP0925-PT-TM1-WP	Water	Iron	2490		7.81	50.0	ug/L
Q3018-02	WP0925-PT-TM1-WP	Water	Lead	1040		0.21	1.00	ug/L
Q3018-02	WP0925-PT-TM1-WP	Water	Manganese	793		0.43	1.00	ug/L
Q3018-02	WP0925-PT-TM1-WP	Water	Nickel	656		0.27	1.00	ug/L
Q3018-02	WP0925-PT-TM1-WP	Water	Molybdenum	254		0.27	5.00	ug/L
Q3018-02	WP0925-PT-TM1-WP	Water	Selenium	542		2.90	5.00	ug/L
Q3018-02	WP0925-PT-TM1-WP	Water	Silver	674		0.060	1.00	ug/L
Q3018-02	WP0925-PT-TM1-WP	Water	Thallium	606		0.060	1.00	ug/L
Q3018-02	WP0925-PT-TM1-WP	Water	Vanadium	1240	D	0.15	10.0	ug/L
Q3018-02	WP0925-PT-TM1-WP	Water	Zinc	1130		1.25	5.00	ug/L
Q3018-02	WP0925-PT-TM1-WP	Water	Strontium	145		0.084	1.00	ug/L
Client ID : WP0925-PT-SNTI-WP								
Q3018-04	WP0925-PT-SNTI-WP	Water	Tin	660		0.31	5.00	ug/L
Q3018-04	WP0925-PT-SNTI-WP	Water	Titanium	78.3		0.20	5.00	ug/L
Client ID : WP0925-PT-MIN2-WP								
Q3018-06	WP0925-PT-MIN2-WP	Water	Calcium	79000		45.7	500	ug/L
Q3018-06	WP0925-PT-MIN2-WP	Water	Magnesium	26100		19.5	500	ug/L
Q3018-06	WP0925-PT-MIN2-WP	Water	Potassium	8400		36.4	500	ug/L
Q3018-06	WP0925-PT-MIN2-WP	Water	Sodium	25400		128	500	ug/L

SAMPLE DATA

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-TM1-WP	SDG No.:	Q3018
Lab Sample ID:	Q3018-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3040		1	1.94	20.0	ug/L	09/23/25 10:05	09/25/25 16:45	6020B	3010A
7440-36-0	Antimony	623		1	0.11	2.00	ug/L	09/23/25 10:05	09/25/25 16:45	6020B	3010A
7440-38-2	Arsenic	232		1	0.089	1.00	ug/L	09/23/25 10:05	09/25/25 16:45	6020B	3010A
7440-39-3	Barium	1590		1	0.21	10.0	ug/L	09/23/25 10:05	09/25/25 16:45	6020B	3010A
7440-41-7	Beryllium	248		1	0.32	1.00	ug/L	09/23/25 10:05	09/25/25 16:45	6020B	3010A
7440-43-9	Cadmium	407		1	0.34	1.00	ug/L	09/23/25 10:05	09/25/25 16:45	6020B	3010A
7440-47-3	Chromium	878		1	0.21	2.00	ug/L	09/23/25 10:05	09/25/25 16:45	6020B	3010A
7440-48-4	Cobalt	318		1	0.070	1.00	ug/L	09/23/25 10:05	09/25/25 16:45	6020B	3010A
7440-50-8	Copper	331		1	0.30	2.00	ug/L	09/23/25 10:05	09/25/25 16:45	6020B	3010A
7439-89-6	Iron	2490		1	7.81	50.0	ug/L	09/23/25 10:05	09/25/25 16:45	6020B	3010A
7439-92-1	Lead	1040		1	0.21	1.00	ug/L	09/23/25 10:05	09/25/25 16:45	6020B	3010A
7439-96-5	Manganese	793		1	0.43	1.00	ug/L	09/23/25 10:05	09/25/25 16:45	6020B	3010A
7439-98-7	Molybdenum	254		1	0.27	5.00	ug/L	09/23/25 10:05	09/25/25 16:45	6020B	3010A
7440-02-0	Nickel	656		1	0.27	1.00	ug/L	09/23/25 10:05	09/25/25 16:45	6020B	3010A
7782-49-2	Selenium	542		1	2.90	5.00	ug/L	09/23/25 10:05	09/25/25 16:45	6020B	3010A
7440-22-4	Silver	674		1	0.060	1.00	ug/L	09/23/25 10:05	09/25/25 16:45	6020B	3010A
7440-24-6	Strontium	145		1	0.084	1.00	ug/L	09/23/25 10:05	09/25/25 16:45	6020B	3010A
7440-28-0	Thallium	606		1	0.060	1.00	ug/L	09/23/25 10:05	09/25/25 16:45	6020B	3010A
7440-62-2	Vanadium	1240	D	2	0.15	10.0	ug/L	09/23/25 10:05	09/25/25 16:51	6020B	3010A
7440-66-6	Zinc	1130		1	1.25	5.00	ug/L	09/23/25 10:05	09/25/25 16:45	6020B	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-SNTI-WP	SDG No.:	Q3018
Lab Sample ID:	Q3018-04	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-31-5	Tin	660		1	0.31	5.00	ug/L	09/23/25 10:05	09/25/25 16:48	6020B	3010A
7440-32-6	Titanium	78.3		1	0.20	5.00	ug/L	09/23/25 10:05	09/25/25 16:48	6020B	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-MIN2-WP	SDG No.:	Q3018
Lab Sample ID:	Q3018-06	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-70-2	Calcium	79000		1	45.7	500	ug/L	09/23/25 10:05	09/25/25 17:03	6020B	3010A
7439-95-4	Magnesium	26100		1	19.5	500	ug/L	09/23/25 10:05	09/25/25 17:03	6020B	3010A
7440-09-7	Potassium	8400		1	36.4	500	ug/L	09/23/25 10:05	09/25/25 17:03	6020B	3010A
7440-23-5	Sodium	25400		1	128	500	ug/L	09/23/25 10:05	09/25/25 17:03	6020B	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group5				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

METAL CALIBRATION DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3018

Contract: ALLI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	1550	1600	97	90 - 110	P	09/25/2025	16:20	LB137409
	Antimony	419	400	105	90 - 110	P	09/25/2025	16:20	LB137409
	Arsenic	416	400	104	90 - 110	P	09/25/2025	16:20	LB137409
	Barium	1610	1600	100	90 - 110	P	09/25/2025	16:20	LB137409
	Beryllium	41.7	40.0	104	90 - 110	P	09/25/2025	16:20	LB137409
	Cadmium	213	200	107	90 - 110	P	09/25/2025	16:20	LB137409
	Calcium	4230	4000	106	90 - 110	P	09/25/2025	16:20	LB137409
	Chromium	162	160	101	90 - 110	P	09/25/2025	16:20	LB137409
	Cobalt	408	400	102	90 - 110	P	09/25/2025	16:20	LB137409
	Copper	191	200	95	90 - 110	P	09/25/2025	16:20	LB137409
	Iron	854	800	107	90 - 110	P	09/25/2025	16:20	LB137409
	Lead	395	400	99	90 - 110	P	09/25/2025	16:20	LB137409
	Magnesium	3700	4000	93	90 - 110	P	09/25/2025	16:20	LB137409
	Manganese	402	400	100	90 - 110	P	09/25/2025	16:20	LB137409
	Molybdenum	5470	5000	110	90 - 110	P	09/25/2025	16:20	LB137409
	Nickel	410	400	102	90 - 110	P	09/25/2025	16:20	LB137409
	Potassium	4040	4000	101	90 - 110	P	09/25/2025	16:20	LB137409
	Selenium	422	400	106	90 - 110	P	09/25/2025	16:20	LB137409
	Silver	180	200	90	90 - 110	P	09/25/2025	16:20	LB137409
	Sodium	4090	4000	102	90 - 110	P	09/25/2025	16:20	LB137409
	Strontium	465	500	93	90 - 110	P	09/25/2025	16:20	LB137409
	Thallium	400	400	100	90 - 110	P	09/25/2025	16:20	LB137409
	Tin	503	500	101	90 - 110	P	09/25/2025	16:20	LB137409
	Titanium	5360	5000	107	90 - 110	P	09/25/2025	16:20	LB137409
	Vanadium	402	400	100	90 - 110	P	09/25/2025	16:20	LB137409
	Zinc	390	400	98	90 - 110	P	09/25/2025	16:20	LB137409

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3018

Contract: ALLI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	20.5	20.0	102	80 - 120	P	09/25/2025	16:23	LB137409
	Antimony	2.01	2.0	100	80 - 120	P	09/25/2025	16:23	LB137409
	Arsenic	0.94	1.0	94	80 - 120	P	09/25/2025	16:23	LB137409
	Barium	9.51	10.0	95	80 - 120	P	09/25/2025	16:23	LB137409
	Beryllium	1.04	1.0	104	80 - 120	P	09/25/2025	16:23	LB137409
	Cadmium	0.82	1.0	82	80 - 120	P	09/25/2025	16:23	LB137409
	Calcium	491	500	98	80 - 120	P	09/25/2025	16:23	LB137409
	Chromium	1.91	2.0	96	80 - 120	P	09/25/2025	16:23	LB137409
	Cobalt	1.04	1.0	104	80 - 120	P	09/25/2025	16:23	LB137409
	Copper	1.88	2.0	94	80 - 120	P	09/25/2025	16:23	LB137409
	Iron	53.1	50.0	106	80 - 120	P	09/25/2025	16:23	LB137409
	Lead	0.85	1.0	85	80 - 120	P	09/25/2025	16:23	LB137409
	Magnesium	479	500	96	80 - 120	P	09/25/2025	16:23	LB137409
	Manganese	0.92	1.0	92	80 - 120	P	09/25/2025	16:23	LB137409
	Molybdenum	5.13	5.0	103	80 - 120	P	09/25/2025	16:23	LB137409
	Nickel	0.90	1.0	90	80 - 120	P	09/25/2025	16:23	LB137409
	Potassium	513	500	103	80 - 120	P	09/25/2025	16:23	LB137409
	Selenium	4.94	5.0	99	80 - 120	P	09/25/2025	16:23	LB137409
	Silver	1.10	1.0	110	80 - 120	P	09/25/2025	16:23	LB137409
	Sodium	515	500	103	80 - 120	P	09/25/2025	16:23	LB137409
	Strontium	0.94	1.0	94	80 - 120	P	09/25/2025	16:23	LB137409
	Thallium	1.00	1.0	100	80 - 120	P	09/25/2025	16:23	LB137409
	Tin	4.86	5.0	97	80 - 120	P	09/25/2025	16:23	LB137409
	Titanium	4.88	5.0	98	80 - 120	P	09/25/2025	16:23	LB137409
	Vanadium	4.94	5.0	99	80 - 120	P	09/25/2025	16:23	LB137409
	Zinc	4.74	5.0	95	80 - 120	P	09/25/2025	16:23	LB137409

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3018

Contract: ALLI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	50400	50000	101	90 - 110	P	09/25/2025	16:35	LB137409
	Antimony	496	500	99	90 - 110	P	09/25/2025	16:35	LB137409
	Arsenic	503	500	101	90 - 110	P	09/25/2025	16:35	LB137409
	Barium	2490	2500	100	90 - 110	P	09/25/2025	16:35	LB137409
	Beryllium	510	500	102	90 - 110	P	09/25/2025	16:35	LB137409
	Cadmium	485	500	97	90 - 110	P	09/25/2025	16:35	LB137409
	Calcium	247000	250000	99	90 - 110	P	09/25/2025	16:35	LB137409
	Chromium	506	500	101	90 - 110	P	09/25/2025	16:35	LB137409
	Cobalt	499	500	100	90 - 110	P	09/25/2025	16:35	LB137409
	Copper	4930	5000	98	90 - 110	P	09/25/2025	16:35	LB137409
	Iron	128000	125000	102	90 - 110	P	09/25/2025	16:35	LB137409
	Lead	2580	2500	103	90 - 110	P	09/25/2025	16:35	LB137409
	Magnesium	250000	250000	100	90 - 110	P	09/25/2025	16:35	LB137409
	Manganese	5060	5000	101	90 - 110	P	09/25/2025	16:35	LB137409
	Molybdenum	5100	5000	102	90 - 110	P	09/25/2025	16:35	LB137409
	Nickel	496	500	99	90 - 110	P	09/25/2025	16:35	LB137409
	Potassium	125000	125000	100	90 - 110	P	09/25/2025	16:35	LB137409
	Selenium	492	500	98	90 - 110	P	09/25/2025	16:35	LB137409
	Silver	492	500	98	90 - 110	P	09/25/2025	16:35	LB137409
	Sodium	253000	250000	101	90 - 110	P	09/25/2025	16:35	LB137409
	Strontium	510	500	102	90 - 110	P	09/25/2025	16:35	LB137409
	Thallium	529	500	106	90 - 110	P	09/25/2025	16:35	LB137409
	Tin	497	500	99	90 - 110	P	09/25/2025	16:35	LB137409
	Titanium	4980	5000	100	90 - 110	P	09/25/2025	16:35	LB137409
	Vanadium	510	500	102	90 - 110	P	09/25/2025	16:35	LB137409
	Zinc	4920	5000	98	90 - 110	P	09/25/2025	16:35	LB137409
CCV02	Aluminum	49300	50000	99	90 - 110	P	09/25/2025	17:13	LB137409
	Antimony	513	500	103	90 - 110	P	09/25/2025	17:13	LB137409
	Arsenic	486	500	97	90 - 110	P	09/25/2025	17:13	LB137409
	Barium	2590	2500	103	90 - 110	P	09/25/2025	17:13	LB137409
	Beryllium	522	500	104	90 - 110	P	09/25/2025	17:13	LB137409
	Cadmium	506	500	101	90 - 110	P	09/25/2025	17:13	LB137409
	Calcium	248000	250000	99	90 - 110	P	09/25/2025	17:13	LB137409
	Chromium	491	500	98	90 - 110	P	09/25/2025	17:13	LB137409

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3018

Contract: ALLI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Cobalt	495	500	99	90 - 110	P	09/25/2025	17:13	LB137409
	Copper	4860	5000	97	90 - 110	P	09/25/2025	17:13	LB137409
	Iron	126000	125000	101	90 - 110	P	09/25/2025	17:13	LB137409
	Lead	2650	2500	106	90 - 110	P	09/25/2025	17:13	LB137409
	Magnesium	246000	250000	98	90 - 110	P	09/25/2025	17:13	LB137409
	Manganese	4940	5000	99	90 - 110	P	09/25/2025	17:13	LB137409
	Molybdenum	5180	5000	104	90 - 110	P	09/25/2025	17:13	LB137409
	Nickel	488	500	98	90 - 110	P	09/25/2025	17:13	LB137409
	Potassium	123000	125000	99	90 - 110	P	09/25/2025	17:13	LB137409
	Selenium	496	500	99	90 - 110	P	09/25/2025	17:13	LB137409
	Silver	515	500	103	90 - 110	P	09/25/2025	17:13	LB137409
	Sodium	250000	250000	100	90 - 110	P	09/25/2025	17:13	LB137409
	Strontium	522	500	104	90 - 110	P	09/25/2025	17:13	LB137409
	Thallium	537	500	107	90 - 110	P	09/25/2025	17:13	LB137409
	Tin	516	500	103	90 - 110	P	09/25/2025	17:13	LB137409
	Titanium	5010	5000	100	90 - 110	P	09/25/2025	17:13	LB137409
	Vanadium	499	500	100	90 - 110	P	09/25/2025	17:13	LB137409
	Zinc	4760	5000	95	90 - 110	P	09/25/2025	17:13	LB137409
CCV03	Aluminum	51600	50000	103	90 - 110	P	09/25/2025	17:47	LB137409
	Antimony	512	500	102	90 - 110	P	09/25/2025	17:47	LB137409
	Arsenic	506	500	101	90 - 110	P	09/25/2025	17:47	LB137409
	Barium	2600	2500	104	90 - 110	P	09/25/2025	17:47	LB137409
	Beryllium	516	500	103	90 - 110	P	09/25/2025	17:47	LB137409
	Cadmium	498	500	100	90 - 110	P	09/25/2025	17:47	LB137409
	Calcium	247000	250000	99	90 - 110	P	09/25/2025	17:47	LB137409
	Chromium	510	500	102	90 - 110	P	09/25/2025	17:47	LB137409
	Cobalt	507	500	101	90 - 110	P	09/25/2025	17:47	LB137409
	Copper	4990	5000	100	90 - 110	P	09/25/2025	17:47	LB137409
	Iron	129000	125000	104	90 - 110	P	09/25/2025	17:47	LB137409
	Lead	2600	2500	104	90 - 110	P	09/25/2025	17:47	LB137409
	Magnesium	255000	250000	102	90 - 110	P	09/25/2025	17:47	LB137409
	Manganese	5120	5000	102	90 - 110	P	09/25/2025	17:47	LB137409
	Molybdenum	5130	5000	103	90 - 110	P	09/25/2025	17:47	LB137409
	Nickel	501	500	100	90 - 110	P	09/25/2025	17:47	LB137409

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3018

Contract: ALLI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV03	Potassium	128000	125000	102	90 - 110	P	09/25/2025	17:47	LB137409
	Selenium	495	500	99	90 - 110	P	09/25/2025	17:47	LB137409
	Silver	504	500	101	90 - 110	P	09/25/2025	17:47	LB137409
	Sodium	256000	250000	102	90 - 110	P	09/25/2025	17:47	LB137409
	Strontium	511	500	102	90 - 110	P	09/25/2025	17:47	LB137409
	Thallium	532	500	106	90 - 110	P	09/25/2025	17:47	LB137409
	Tin	514	500	103	90 - 110	P	09/25/2025	17:47	LB137409
	Titanium	5090	5000	102	90 - 110	P	09/25/2025	17:47	LB137409
	Vanadium	515	500	103	90 - 110	P	09/25/2025	17:47	LB137409
	Zinc	4920	5000	98	90 - 110	P	09/25/2025	17:47	LB137409

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Metals

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CRDL STANDARD FOR AA & ICP

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3018

Contract: ALLI03 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI	Aluminum	20.2	20.0	101	70 - 130	P	09/25/2025	16:42	LB137409
	Antimony	1.98	2.0	99	70 - 130	P	09/25/2025	16:42	LB137409
	Arsenic	0.94	1.0	94	70 - 130	P	09/25/2025	16:42	LB137409
	Barium	9.46	10.0	95	70 - 130	P	09/25/2025	16:42	LB137409
	Beryllium	1.02	1.0	102	70 - 130	P	09/25/2025	16:42	LB137409
	Cadmium	0.91	1.0	91	70 - 130	P	09/25/2025	16:42	LB137409
	Calcium	483	500	96	70 - 130	P	09/25/2025	16:42	LB137409
	Chromium	1.92	2.0	96	70 - 130	P	09/25/2025	16:42	LB137409
	Cobalt	1.02	1.0	102	50 - 150	P	09/25/2025	16:42	LB137409
	Copper	2.02	2.0	101	70 - 130	P	09/25/2025	16:42	LB137409
	Iron	50.8	50.0	102	70 - 130	P	09/25/2025	16:42	LB137409
	Lead	0.83	1.0	83	70 - 130	P	09/25/2025	16:42	LB137409
	Magnesium	470	500	94	70 - 130	P	09/25/2025	16:42	LB137409
	Manganese	0.85	1.0	85	50 - 150	P	09/25/2025	16:42	LB137409
	Molybdenum	4.84	5.0	97	70 - 130	P	09/25/2025	16:42	LB137409
	Nickel	0.88	1.0	88	70 - 130	P	09/25/2025	16:42	LB137409
	Potassium	502	500	100	70 - 130	P	09/25/2025	16:42	LB137409
	Selenium	4.88	5.0	98	70 - 130	P	09/25/2025	16:42	LB137409
	Silver	1.04	1.0	104	70 - 130	P	09/25/2025	16:42	LB137409
	Sodium	507	500	101	70 - 130	P	09/25/2025	16:42	LB137409
	Strontium	0.93	1.0	93	70 - 130	P	09/25/2025	16:42	LB137409
	Thallium	0.98	1.0	98	70 - 130	P	09/25/2025	16:42	LB137409
	Tin	4.76	5.0	95	70 - 130	P	09/25/2025	16:42	LB137409
	Titanium	4.72	5.0	94	70 - 130	P	09/25/2025	16:42	LB137409
	Vanadium	4.90	5.0	98	70 - 130	P	09/25/2025	16:42	LB137409
	Zinc	4.77	5.0	95	50 - 150	P	09/25/2025	16:42	LB137409

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3018

Contract: ALLI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	1.94	+/-10	U	20.0	P	09/25/2025	16:26	LB137409
	Antimony	0.11	+/-1	U	2.00	P	09/25/2025	16:26	LB137409
	Arsenic	0.089	+/-0.5	U	1.00	P	09/25/2025	16:26	LB137409
	Barium	0.21	+/-5	U	10.0	P	09/25/2025	16:26	LB137409
	Beryllium	0.32	+/-0.5	U	1.00	P	09/25/2025	16:26	LB137409
	Cadmium	0.34	+/-0.5	U	1.00	P	09/25/2025	16:26	LB137409
	Calcium	45.7	+/-250	U	500	P	09/25/2025	16:26	LB137409
	Chromium	0.21	+/-1	U	2.00	P	09/25/2025	16:26	LB137409
	Cobalt	0.070	+/-0.5	U	1.00	P	09/25/2025	16:26	LB137409
	Copper	0.30	+/-1	U	2.00	P	09/25/2025	16:26	LB137409
	Iron	7.81	+/-25	U	50.0	P	09/25/2025	16:26	LB137409
	Lead	0.21	+/-0.5	U	1.00	P	09/25/2025	16:26	LB137409
	Magnesium	19.5	+/-250	U	500	P	09/25/2025	16:26	LB137409
	Manganese	0.43	+/-0.5	U	1.00	P	09/25/2025	16:26	LB137409
	Nickel	0.27	+/-0.5	U	1.00	P	09/25/2025	16:26	LB137409
	Potassium	36.4	+/-250	U	500	P	09/25/2025	16:26	LB137409
	Tin	0.31	+/-2.5	U	5.00	P	09/25/2025	16:26	LB137409
	Molybdenum	0.27	+/-2.5	U	5.00	P	09/25/2025	16:26	LB137409
	Selenium	2.90	+/-2.5	U	5.00	P	09/25/2025	16:26	LB137409
	Silver	0.060	+/-0.5	U	1.00	P	09/25/2025	16:26	LB137409
	Sodium	128	+/-250	U	500	P	09/25/2025	16:26	LB137409
	Thallium	0.060	+/-0.5	U	1.00	P	09/25/2025	16:26	LB137409
	Vanadium	0.077	+/-2.5	U	5.00	P	09/25/2025	16:26	LB137409
	Zinc	1.25	+/-2.5	U	5.00	P	09/25/2025	16:26	LB137409
	Strontium	0.084	+/-0.5	U	1.00	P	09/25/2025	16:26	LB137409
	Titanium	0.20	+/-2.5	U	5.00	P	09/25/2025	16:26	LB137409

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3018

Contract: ALLI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	7.55	+/-10	J	20.0	P	09/25/2025	16:38	LB137409
	Antimony	0.21	+/-1	J	2.00	P	09/25/2025	16:38	LB137409
	Arsenic	0.089	+/-0.5	U	1.00	P	09/25/2025	16:38	LB137409
	Barium	0.42	+/-5	J	10.0	P	09/25/2025	16:38	LB137409
	Beryllium	0.32	+/-0.5	U	1.00	P	09/25/2025	16:38	LB137409
	Cadmium	0.34	+/-0.5	U	1.00	P	09/25/2025	16:38	LB137409
	Calcium	45.7	+/-250	U	500	P	09/25/2025	16:38	LB137409
	Chromium	0.21	+/-1	U	2.00	P	09/25/2025	16:38	LB137409
	Cobalt	0.070	+/-0.5	U	1.00	P	09/25/2025	16:38	LB137409
	Copper	0.76	+/-1	J	2.00	P	09/25/2025	16:38	LB137409
	Iron	14.1	+/-25	J	50.0	P	09/25/2025	16:38	LB137409
	Lead	0.45	+/-0.5	J	1.00	P	09/25/2025	16:38	LB137409
	Magnesium	29.9	+/-250	J	500	P	09/25/2025	16:38	LB137409
	Manganese	0.44	+/-0.5	J	1.00	P	09/25/2025	16:38	LB137409
	Nickel	0.27	+/-0.5	U	1.00	P	09/25/2025	16:38	LB137409
	Potassium	42.8	+/-250	J	500	P	09/25/2025	16:38	LB137409
	Tin	0.31	+/-2.5	U	5.00	P	09/25/2025	16:38	LB137409
	Selenium	2.90	+/-2.5	U	5.00	P	09/25/2025	16:38	LB137409
	Molybdenum	1.08	+/-2.5	J	5.00	P	09/25/2025	16:38	LB137409
	Silver	0.12	+/-0.5	J	1.00	P	09/25/2025	16:38	LB137409
	Sodium	128	+/-250	U	500	P	09/25/2025	16:38	LB137409
	Thallium	0.16	+/-0.5	J	1.00	P	09/25/2025	16:38	LB137409
	Vanadium	0.077	+/-2.5	U	5.00	P	09/25/2025	16:38	LB137409
	Zinc	1.25	+/-2.5	U	5.00	P	09/25/2025	16:38	LB137409
	Strontium	0.090	+/-0.5	J	1.00	P	09/25/2025	16:38	LB137409
	Titanium	0.87	+/-2.5	J	5.00	P	09/25/2025	16:38	LB137409
CCB02	Aluminum	2.67	+/-10	J	20.0	P	09/25/2025	17:21	LB137409
	Antimony	0.11	+/-1	U	2.00	P	09/25/2025	17:21	LB137409
	Arsenic	0.089	+/-0.5	U	1.00	P	09/25/2025	17:21	LB137409
	Barium	0.21	+/-5	U	10.0	P	09/25/2025	17:21	LB137409
	Beryllium	0.32	+/-0.5	U	1.00	P	09/25/2025	17:21	LB137409
	Cadmium	0.34	+/-0.5	U	1.00	P	09/25/2025	17:21	LB137409
	Calcium	45.7	+/-250	U	500	P	09/25/2025	17:21	LB137409
	Chromium	0.21	+/-1	U	2.00	P	09/25/2025	17:21	LB137409
	Cobalt	0.070	+/-0.5	U	1.00	P	09/25/2025	17:21	LB137409
	Copper	0.30	+/-1	U	2.00	P	09/25/2025	17:21	LB137409
	Iron	7.81	+/-25	U	50.0	P	09/25/2025	17:21	LB137409
	Lead	0.21	+/-0.5	U	1.00	P	09/25/2025	17:21	LB137409
	Magnesium	19.5	+/-250	U	500	P	09/25/2025	17:21	LB137409

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3018

Contract: ALLI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Manganese	0.43	+/-0.5	U	1.00	P	09/25/2025	17:21	LB137409
	Nickel	0.27	+/-0.5	U	1.00	P	09/25/2025	17:21	LB137409
	Potassium	36.4	+/-250	U	500	P	09/25/2025	17:21	LB137409
	Tin	0.31	+/-2.5	U	5.00	P	09/25/2025	17:21	LB137409
	Selenium	2.90	+/-2.5	U	5.00	P	09/25/2025	17:21	LB137409
	Molybdenum	0.27	+/-2.5	U	5.00	P	09/25/2025	17:21	LB137409
	Silver	0.060	+/-0.5	U	1.00	P	09/25/2025	17:21	LB137409
	Sodium	128	+/-250	U	500	P	09/25/2025	17:21	LB137409
	Thallium	0.060	+/-0.5	U	1.00	P	09/25/2025	17:21	LB137409
	Vanadium	0.077	+/-2.5	U	5.00	P	09/25/2025	17:21	LB137409
	Zinc	1.25	+/-2.5	U	5.00	P	09/25/2025	17:21	LB137409
	Strontium	0.084	+/-0.5	U	1.00	P	09/25/2025	17:21	LB137409
	Titanium	0.20	+/-2.5	U	5.00	P	09/25/2025	17:21	LB137409
CCB03	Aluminum	2.27	+/-10	J	20.0	P	09/25/2025	17:54	LB137409
	Antimony	0.11	+/-1	U	2.00	P	09/25/2025	17:54	LB137409
	Arsenic	0.089	+/-0.5	U	1.00	P	09/25/2025	17:54	LB137409
	Barium	0.21	+/-5	U	10.0	P	09/25/2025	17:54	LB137409
	Beryllium	0.32	+/-0.5	U	1.00	P	09/25/2025	17:54	LB137409
	Cadmium	0.34	+/-0.5	U	1.00	P	09/25/2025	17:54	LB137409
	Calcium	45.7	+/-250	U	500	P	09/25/2025	17:54	LB137409
	Chromium	0.21	+/-1	U	2.00	P	09/25/2025	17:54	LB137409
	Cobalt	0.070	+/-0.5	U	1.00	P	09/25/2025	17:54	LB137409
	Copper	0.30	+/-1	U	2.00	P	09/25/2025	17:54	LB137409
	Iron	7.81	+/-25	U	50.0	P	09/25/2025	17:54	LB137409
	Lead	0.21	+/-0.5	U	1.00	P	09/25/2025	17:54	LB137409
	Magnesium	19.5	+/-250	U	500	P	09/25/2025	17:54	LB137409
	Manganese	0.43	+/-0.5	U	1.00	P	09/25/2025	17:54	LB137409
	Nickel	0.27	+/-0.5	U	1.00	P	09/25/2025	17:54	LB137409
	Potassium	36.4	+/-250	U	500	P	09/25/2025	17:54	LB137409
	Molybdenum	0.27	+/-2.5	U	5.00	P	09/25/2025	17:54	LB137409
	Selenium	2.90	+/-2.5	U	5.00	P	09/25/2025	17:54	LB137409
	Tin	0.31	+/-2.5	U	5.00	P	09/25/2025	17:54	LB137409
	Silver	0.060	+/-0.5	U	1.00	P	09/25/2025	17:54	LB137409
	Sodium	128	+/-250	U	500	P	09/25/2025	17:54	LB137409
	Thallium	0.060	+/-0.5	U	1.00	P	09/25/2025	17:54	LB137409
	Vanadium	0.077	+/-2.5	U	5.00	P	09/25/2025	17:54	LB137409
	Zinc	1.25	+/-2.5	U	5.00	P	09/25/2025	17:54	LB137409
	Strontium	0.084	+/-0.5	U	1.00	P	09/25/2025	17:54	LB137409
	Titanium	0.20	+/-2.5	U	5.00	P	09/25/2025	17:54	LB137409

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Metals
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PREPARATION BLANK SUMMARY

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3018

Instrument: P7

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169560BL		**WATER**		**Batch Number:**	**PB169560**		**Prep Date:**	**09/23/2025**	
	Aluminum	1.94	<10	U	20.0	P	09/25/2025	17:38	LB137409
	Antimony	0.11	<1	U	2.00	P	09/25/2025	17:38	LB137409
	Arsenic	0.089	<0.5	U	1.00	P	09/25/2025	17:38	LB137409
	Barium	0.21	<5	U	10.0	P	09/25/2025	17:38	LB137409
	Beryllium	0.32	<0.5	U	1.00	P	09/25/2025	17:38	LB137409
	Cadmium	0.34	<0.5	U	1.00	P	09/25/2025	17:38	LB137409
	Calcium	45.7	<250	U	500	P	09/25/2025	17:38	LB137409
	Chromium	0.21	<1	U	2.00	P	09/25/2025	17:38	LB137409
	Cobalt	0.070	<0.5	U	1.00	P	09/25/2025	17:38	LB137409
	Copper	0.30	<1	U	2.00	P	09/25/2025	17:38	LB137409
	Iron	7.81	<25	U	50.0	P	09/25/2025	17:38	LB137409
	Lead	0.21	<0.5	U	1.00	P	09/25/2025	17:38	LB137409
	Magnesium	19.5	<250	U	500	P	09/25/2025	17:38	LB137409
	Manganese	0.43	<0.5	U	1.00	P	09/25/2025	17:38	LB137409
	Nickel	0.27	<0.5	U	1.00	P	09/25/2025	17:38	LB137409
	Potassium	36.4	<250	U	500	P	09/25/2025	17:38	LB137409
	Tin	0.31	<2.5	U	5.00	P	09/25/2025	17:38	LB137409
	Molybdenum	0.27	<2.5	U	5.00	P	09/25/2025	17:38	LB137409
	Selenium	2.90	<2.5	U	5.00	P	09/25/2025	17:38	LB137409
	Silver	0.060	<0.5	U	1.00	P	09/25/2025	17:38	LB137409
	Sodium	128	<250	U	500	P	09/25/2025	17:38	LB137409
	Thallium	0.060	<0.5	U	1.00	P	09/25/2025	17:38	LB137409
	Vanadium	0.077	<2.5	U	5.00	P	09/25/2025	17:38	LB137409
	Zinc	1.25	<2.5	U	5.00	P	09/25/2025	17:38	LB137409
	Strontium	0.084	<0.5	U	1.00	P	09/25/2025	17:38	LB137409
	Titanium	0.20	<2.5	U	5.00	P	09/25/2025	17:38	LB137409

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INTERFERENCE CHECK SAMPLE

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3018

Contract: ALLI03 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P7

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	88600	100000	89	0	0	09/25/2025	16:29	LB137409
	Antimony	1.13	1.5	75	-2.5	5.5	09/25/2025	16:29	LB137409
	Arsenic	0.41	0.1	410	-1.9	2.1	09/25/2025	16:29	LB137409
	Barium	1.40	1.2	117	-18.8	21.2	09/25/2025	16:29	LB137409
	Beryllium	0.27			-2	2	09/25/2025	16:29	LB137409
	Cadmium	0.29	0.7	41	-1.3	2.7	09/25/2025	16:29	LB137409
	Calcium	95400	100000	95	0	0	09/25/2025	16:29	LB137409
	Chromium	19.3	21.0	92	17	25	09/25/2025	16:29	LB137409
	Cobalt	1.32	1.0	132	-1	3	09/25/2025	16:29	LB137409
	Copper	7.24	8.0	90	4	12	09/25/2025	16:29	LB137409
	Iron	96500	100000	96	0	0	09/25/2025	16:29	LB137409
	Lead	4.15	4.0	104	2	6	09/25/2025	16:29	LB137409
	Magnesium	88400	100000	88	0	0	09/25/2025	16:29	LB137409
	Manganese	6.86	7.0	98	5	9	09/25/2025	16:29	LB137409
	Nickel	5.30	6.0	88	4	8	09/25/2025	16:29	LB137409
	Potassium	96300	100000	96	0	0	09/25/2025	16:29	LB137409
	Tin	0.55			0	0	09/25/2025	16:29	LB137409
	Selenium	0.99	0.3	330	-9.7	10	09/25/2025	16:29	LB137409
	Molybdenum	1890	2000	94	1600	2400	09/25/2025	16:29	LB137409
	Silver	0.050			-2	2	09/25/2025	16:29	LB137409
	Sodium	97000	100000	97	0	0	09/25/2025	16:29	LB137409
	Thallium	0.060			-2	2	09/25/2025	16:29	LB137409
	Vanadium	0.24	0.5	48	-9.5	10.5	09/25/2025	16:29	LB137409
	Zinc	10.6	11.0	97	1	21	09/25/2025	16:29	LB137409
	Strontium	31.9			0	0	09/25/2025	16:29	LB137409
	Titanium	1940	2000	97	1600	2400	09/25/2025	16:29	LB137409
ICSAB01	Aluminum	88000	100000	88	0	0	09/25/2025	16:32	LB137409
	Antimony	20.1	22.0	91	18	26	09/25/2025	16:32	LB137409
	Arsenic	19.8	19.0	104	16.2	21.9	09/25/2025	16:32	LB137409
	Barium	20.6	22.0	94	2	42	09/25/2025	16:32	LB137409
	Beryllium	20.9	19.0	110	16.2	21.9	09/25/2025	16:32	LB137409
	Cadmium	19.8	20.0	99	17	23	09/25/2025	16:32	LB137409
	Calcium	93900	100000	94	0	0	09/25/2025	16:32	LB137409
	Chromium	39.2	40.0	98	34	46	09/25/2025	16:32	LB137409
	Cobalt	21.1	20.0	106	17	23	09/25/2025	16:32	LB137409
	Copper	25.8	25.0	103	21	29	09/25/2025	16:32	LB137409
	Iron	95000	100000	95	0	0	09/25/2025	16:32	LB137409
	Lead	23.0	25.0	92	21.3	28.8	09/25/2025	16:32	LB137409
	Magnesium	88700	100000	89	0	0	09/25/2025	16:32	LB137409
	Manganese	24.5	27.0	91	23	31.1	09/25/2025	16:32	LB137409
	Nickel	25.0	24.0	104	20.4	27.6	09/25/2025	16:32	LB137409
	Potassium	96100	100000	96	0	0	09/25/2025	16:32	LB137409

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3018

Contract: ALLI03 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P7

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Selenium	20.5	19.0	108	9	29	09/25/2025	16:32	LB137409
	Tin	45.1			0	0	09/25/2025	16:32	LB137409
	Molybdenum	1930	2000	96	1600	2400	09/25/2025	16:32	LB137409
	Silver	19.0	18.0	106	15.3	20.7	09/25/2025	16:32	LB137409
	Sodium	97200	100000	97	0	0	09/25/2025	16:32	LB137409
	Thallium	19.5	21.0	93	17.9	24.2	09/25/2025	16:32	LB137409
	Vanadium	19.9	19.0	105	9	29	09/25/2025	16:32	LB137409
	Zinc	29.2	29.0	101	19	39	09/25/2025	16:32	LB137409
	Strontium	75.7			0	0	09/25/2025	16:32	LB137409
	Titanium	1980	2000	99	1600	2400	09/25/2025	16:32	LB137409

METAL QC DATA

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3018

Contract: ALLI03 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169560BS							
Aluminum	ug/L	10000	10200		102	80 - 120	P
Antimony	ug/L	500	496		99	80 - 120	P
Arsenic	ug/L	500	504		101	80 - 120	P
Barium	ug/L	2500	2450		98	80 - 120	P
Beryllium	ug/L	500	494		99	80 - 120	P
Cadmium	ug/L	500	500		100	80 - 120	P
Calcium	ug/L	50000	49100		98	80 - 120	P
Chromium	ug/L	500	499		100	80 - 120	P
Cobalt	ug/L	500	501		100	80 - 120	P
Copper	ug/L	5000	5040		101	80 - 120	P
Iron	ug/L	25000	26200		105	80 - 120	P
Lead	ug/L	2500	2500		100	80 - 120	P
Magnesium	ug/L	50000	50500		101	80 - 120	P
Manganese	ug/L	5000	5040		101	80 - 120	P
Nickel	ug/L	500	501		100	80 - 120	P
Potassium	ug/L	25000	25300		101	80 - 120	P
Tin	ug/L	500	493		99	80 - 120	P
Molybdenum	ug/L	5000	4980		100	80 - 120	P
Selenium	ug/L	500	508		102	80 - 120	P
Silver	ug/L	500	501		100	80 - 120	P
Sodium	ug/L	50000	51400		103	80 - 120	P
Thallium	ug/L	500	501		100	80 - 120	P
Vanadium	ug/L	500	502		100	80 - 120	P
Zinc	ug/L	5000	5160		103	80 - 120	P
Strontium	ug/L	500	494		99	80 - 120	P
Titanium	ug/L	5000	4840		97	80 - 120	P

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Alliance Technical Group, LLC - Contract: ALLI03

Lab Code: ACE SDG No.: Q3018

Instrument ID: P7 Start Date : 09/25/2025

Run Number: LB137409 End Date : 09/25/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
S0	S0	1551	100		100		100		100		100	
S2	S2	1554	98		100		99		99		100	
S3	S3	1558	97		99		97		96		98	
S4	S4	1601	97		96		96		95		97	
S5	S5	1604	96		94		93		91		95	
S6	S6	1607	93		89		90		87		92	
S7	S7	1609	86		82		83		81		87	
S8	S8	1612	99		97		95		89		99	
ICV01	ICV01	1620	103		100		101		99		102	
LLICV01	LLICV01	1623	101		99		98		97		101	
ICB01	ICB01	1626	100		96		95		96		98	
ICSA01	ICSA01	1629	98		97		96		93		100	
ICSAB01	ICSAB01	1632	98		97		97		94		101	
CCV01	CCV01	1635	91		91		90		86		95	
CCB01	CCB01	1638	99		97		97		97		102	
CRI	CRI	1642	101		99		98		98		102	
Q3018-02	WP0925-PT-T	1645	103		99		100		99		103	
Q3018-04	WP0925-PT-S	1648	103		101		101		101		105	
Q3018-02	WP0925-PT-T	1651	103		99		99		99		103	
ZZZZZZ	ZZZZZZ	1654										
ZZZZZZ	ZZZZZZ	1657										
ZZZZZZ	ZZZZZZ	1700										
Q3018-06	WP0925-PT-M	1703	97		94		93		92		97	
ZZZZZZ	ZZZZZZ	1707										
Q3018-06	WP0925-PT-M	1710	113		110		110		108		112	
CCV02	CCV02	1713	94		93		91		87		93	
CCB02	CCB02	1721	101		99		99		99		102	
ZZZZZZ	ZZZZZZ	1724										
ZZZZZZ	ZZZZZZ	1735										
PB169560BL	PB169560BL	1738	100		102		101		101		102	
ZZZZZZ	ZZZZZZ	1741										
PB169560BS	PB169560BS	1744	95		92		92		90		95	
CCV03	CCV03	1747	93		91		90		87		92	
CCB03	CCB03	1754	102		99		96		97		100	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Alliance Technical Group, LLC - Contract: ALLI03

Lab Code: ACE SDG No.: Q3018

Instrument ID: P7 Start Date : 09/25/2025

Run Number: LB137409 End Date : 09/25/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1551	100		100		100		100		100	
S2	S2	1554	100		99		100		98		101	
S3	S3	1558	99		98		98		99		99	
S4	S4	1601	97		96		98		97		99	
S5	S5	1604	95		93		93		95		96	
S6	S6	1607	91		89		89		92		94	
S7	S7	1609	85		84		84		87		89	
S8	S8	1612	100		98		91		99		99	
ICV01	ICV01	1620	100		99		98		101		102	
LLICV01	LLICV01	1623	98		97		98		100		100	
ICB01	ICB01	1626	97		97		98		99		99	
ICSA01	ICSA01	1629	97		97		96		99		101	
ICSAB01	ICSAB01	1632	96		96		94		98		99	
CCV01	CCV01	1635	91		90		86		93		94	
CCB01	CCB01	1638	97		97		99		99		100	
CRI	CRI	1642	100		99		100		102		102	
Q3018-02	WP0925-PT-T	1645	99		98		100		101		103	
Q3018-04	WP0925-PT-S	1648	100		99		101		103		102	
Q3018-02	WP0925-PT-T	1651	99		98		99		101		102	
ZZZZZZ	ZZZZZZ	1654										
ZZZZZZ	ZZZZZZ	1657										
ZZZZZZ	ZZZZZZ	1700										
Q3018-06	WP0925-PT-M	1703	96		95		95		97		97	
ZZZZZZ	ZZZZZZ	1707										
Q3018-06	WP0925-PT-M	1710	110		108		110		109		111	
CCV02	CCV02	1713	95		94		90		96		97	
CCB02	CCB02	1721	98		98		99		100		100	
ZZZZZZ	ZZZZZZ	1724										
ZZZZZZ	ZZZZZZ	1735										
PB169560BL	PB169560BL	1738	101		101		100		101		101	
ZZZZZZ	ZZZZZZ	1741										
PB169560BS	PB169560BS	1744	93		92		91		94		94	
CCV03	CCV03	1747	92		91		88		93		93	
CCB03	CCB03	1754	97		97		98		99		99	

Internal Standard %RI Limit: 70 - 130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Alliance Technical Group, LLC - Contract: ALLI03

Lab Code: ACE SDG No.: Q3018

Instrument ID: P7 Start Date : 09/25/2025

Run Number: LB137409 End Date : 09/25/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
S0	S0	1551	100		100							
S2	S2	1554	100		97							
S3	S3	1558	98		96							
S4	S4	1601	97		96							
S5	S5	1604	95		94							
S6	S6	1607	92		91							
S7	S7	1609	87		86							
S8	S8	1612	101		91							
ICV01	ICV01	1620	103		101							
LLICV01	LLICV01	1623	101		100							
ICB01	ICB01	1626	99		97							
ICSA01	ICSA01	1629	100		96							
ICSAB01	ICSAB01	1632	103		97							
CCV01	CCV01	1635	96		90							
CCB01	CCB01	1638	101		99							
CRI	CRI	1642	102		102							
Q3018-02	WP0925-PT-TM	1645	104		104							
Q3018-04	WP0925-PT-SM	1648	104		105							
Q3018-02	WP0925-PT-TM	1651	105		103							
ZZZZZZ	ZZZZZZ	1654										
ZZZZZZ	ZZZZZZ	1657										
ZZZZZZ	ZZZZZZ	1700										
Q3018-06	WP0925-PT-MI	1703	96		95							
ZZZZZZ	ZZZZZZ	1707										
Q3018-06	WP0925-PT-MI	1710	112		110							
CCV02	CCV02	1713	95		89							
CCB02	CCB02	1721	102		101							
ZZZZZZ	ZZZZZZ	1724										
ZZZZZZ	ZZZZZZ	1735										
PB169560BL	PB169560BL	1738	102		100							
ZZZZZZ	ZZZZZZ	1741										
PB169560BS	PB169560BS	1744	95		93							
CCV03	CCV03	1747	94		88							
CCB03	CCB03	1754	101		99							

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Alliance Technical Group, LLC - Contract: ALLI03

Lab Code: ACE SDG No.: Q3018

Instrument ID: P7 Start Date : 09/25/2025

Run Number: LB137409 End Date : 09/25/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1551	100									
S2	S2	1554	100									
S3	S3	1558	98									
S4	S4	1601	98									
S5	S5	1604	96									
S6	S6	1607	92									
S7	S7	1609	86									
S8	S8	1612	92									
ICV01	ICV01	1620	101									
LLICV01	LLICV01	1623	100									
ICB01	ICB01	1626	99									
ICSA01	ICSA01	1629	97									
ICSAB01	ICSAB01	1632	98									
CCV01	CCV01	1635	89									
CCB01	CCB01	1638	100									
CRI	CRI	1642	103									
Q3018-02	WP0925-PT-TM	1645	102									
Q3018-04	WP0925-PT-SM	1648	102									
Q3018-02	WP0925-PT-TM	1651	102									
ZZZZZZ	ZZZZZZ	1654										
ZZZZZZ	ZZZZZZ	1657										
ZZZZZZ	ZZZZZZ	1700										
Q3018-06	WP0925-PT-MI	1703	96									
ZZZZZZ	ZZZZZZ	1707										
Q3018-06	WP0925-PT-MI	1710	109									
CCV02	CCV02	1713	91									
CCB02	CCB02	1721	101									
ZZZZZZ	ZZZZZZ	1724										
ZZZZZZ	ZZZZZZ	1735										
PB169560BL	PB169560BL	1738	102									
ZZZZZZ	ZZZZZZ	1741										
PB169560BS	PB169560BS	1744	94									
CCV03	CCV03	1747	90									
CCB03	CCB03	1754	99									

Internal Standard %RI Limit: 70 -130

METAL PREPARATION & INSTRUMENT DATA

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3018

Contract: ALLI03 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB169560**						
PB169560BL	PB169560BL	MB	WATER	09/23/2025	50.0	50.0	
PB169560BS	PB169560BS	LCS	WATER	09/23/2025	50.0	50.0	
Q3018-02	WP0925-PT-TM1-WP	SAM	WATER	09/23/2025	50.0	50.0	
Q3018-04	WP0925-PT-SNTI-WP	SAM	WATER	09/23/2025	50.0	50.0	
Q3018-06	WP0925-PT-MIN2-WP	SAM	WATER	09/23/2025	50.0	50.0	

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ANALYSIS RUN LOG

Client: Alliance Technical Group, LLC - Newark **Contract:** ALLI03

Lab code: ACE **Sdg no.:** Q3018

Instrument id number: **Method:** **Run number:** LB137409

Start date: 09/25/2025 **End date:** 09/25/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1551	Ag,Al,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Sr,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
S2	S2	1	1554	Ag,Al,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Sr,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
S3	S3	1	1558	Ag,Al,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Sr,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
S4	S4	1	1601	Ag,Al,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Sr,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
S5	S5	1	1604	Ag,Al,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Sr,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
S6	S6	1	1607	Ag,Al,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Sr,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
S7	S7	1	1609	Ag,Al,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Sr,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
S8	S8	1	1612	Al,Fe,Ca,K,Mg,Na
ICV01	ICV01	1	1620	Ag,Al,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Sr,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
LLICV01	LLICV01	1	1623	Ag,Al,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Sr,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
ICB01	ICB01	1	1626	Ag,Al,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Sr,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
ICSA01	ICSA01	1	1629	Ag,Al,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Sr,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
ICSAB01	ICSAB01	1	1632	Ag,Al,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Sr,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
CCV01	CCV01	1	1635	Ag,Al,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Sr,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
CCB01	CCB01	1	1638	Ag,Al,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Sr,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
CRI	CRI	1	1642	Ag,Al,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Sr,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
Q3018-02	WP0925-PT-TM1-WP	1	1645	Ag,Al,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Sr,Tl,Zn
Q3018-04	WP0925-PT-SNTI-WP	1	1648	Sn,Ti
Q3018-02	WP0925-PT-TM1-WP	2	1651	V
Q3018-06	WP0925-PT-MIN2-WP	1	1703	Ca,K,Mg,Na
CCV02	CCV02	1	1713	Ag,Al,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Sr,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
CCB02	CCB02	1	1721	Ag,Al,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Sr,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
PB169560BL	PB169560BL	1	1738	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn
PB169560BS	PB169560BS	1	1744	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn
CCV03	CCV03	1	1747	Ag,Al,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Sr,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
CCB03	CCB03	1	1754	Ag,Al,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Sr,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na