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

LAB CHRONICLE

OrderID:	Q3016	**OrderDate:**	9/4/2025 10:18:00 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
Q3016-01	**WP0925-PT-TM1-WP**	**Water**			**09/02/25**			**09/04/25**
			Metals Group3	200.7		09/23/25	09/26/25	
Q3016-03	**WP0925-PT-SNTI-WP**	**Water**			**09/02/25**			**09/04/25**
			Metals Group4	200.7		09/23/25	09/26/25	
Q3016-05	**WP0925-PT-MIN2-WP**	**Water**			**09/02/25**			**09/04/25**
			Hardness, Calcium	SM2340B		09/23/25	09/26/25	
			Metals Group5	200.7		09/23/25	09/26/25	
Q3016-07	**WP0925-PT-SIO2-WP**	**Water**			**09/02/25**			**09/04/25**
			Silica	200.7		09/23/25	09/26/25	
Q3016-08	**WP0925-PT-HG-WP**	**Water**			**09/02/25**			**09/04/25**
			Mercury	245.1		10/02/25	10/02/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3016 **Order ID:** Q3016

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**							
Q3016-01	WP0925-PT-TM1-WP	Water	Aluminum	3230		30.8	100	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Antimony	633		5.44	50.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Arsenic	222		3.70	20.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Barium	1560		19.5	100	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Beryllium	237		0.54	6.00	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Boron	954		13.8	100	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Cadmium	372		0.62	6.00	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Chromium	875		1.06	10.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Cobalt	294		2.32	30.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Copper	356		3.78	20.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Iron	2270		36.0	100	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Lead	996		2.42	12.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Manganese	889		4.92	20.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Molybdenum	270		17.6	200	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Nickel	611		3.80	40.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Selenium	500		5.04	20.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Silver	650		1.62	10.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Thallium	613		5.02	40.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Vanadium	1250		4.98	40.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Zinc	1160		4.00	40.0	ug/L
Client ID :	**WP0925-PT-SNTI-WP**							
Q3016-03	WP0925-PT-SNTI-WP	Water	Tin	671		5.36	40.0	ug/L
Q3016-03	WP0925-PT-SNTI-WP	Water	Titanium	81.0		7.82	40.0	ug/L
Client ID :	**WP0925-PT-MIN2-WP**							
Q3016-05	WP0925-PT-MIN2-WP	Water	Calcium	79900		173	2000	ug/L
Q3016-05	WP0925-PT-MIN2-WP	Water	Calcium Hardness	200000		432	4990	ug/L
Q3016-05	WP0925-PT-MIN2-WP	Water	Magnesium	28000		208	2000	ug/L
Q3016-05	WP0925-PT-MIN2-WP	Water	Potassium	8330		618	2000	ug/L
Q3016-05	WP0925-PT-MIN2-WP	Water	Sodium	25200		734	2000	ug/L
Q3016-05	WP0925-PT-MIN2-WP	Water	Hardness, Total	315000		1290	13200	ug/L
Client ID :	**WP0925-PT-SIO2-WP**							
Q3016-07	WP0925-PT-SIO2-WP	Water	Dissolved Silica	72100	D	400	4280	ug/L
Client ID :	**WP0925-PT-HG-WP**							
Q3016-08	WP0925-PT-HG-WP	Water	Mercury	27.0	D	0.14	1.00	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.:	Q3016
Lab Sample ID:	Q3016-01	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	3230		1	30.8	100	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-36-0	Antimony	633		1	5.44	50.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-38-2	Arsenic	222		1	3.70	20.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-39-3	Barium	1560		1	19.5	100	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-41-7	Beryllium	237		1	0.54	6.00	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-42-8	Boron	954		1	13.8	100	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-43-9	Cadmium	372		1	0.62	6.00	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-47-3	Chromium	875		1	1.06	10.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-48-4	Cobalt	294		1	2.32	30.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-50-8	Copper	356		1	3.78	20.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7439-89-6	Iron	2270		1	36.0	100	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7439-92-1	Lead	996		1	2.42	12.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7439-96-5	Manganese	889		1	4.92	20.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7439-98-7	Molybdenum	270		1	17.6	200	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-02-0	Nickel	611		1	3.80	40.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7782-49-2	Selenium	500		1	5.04	20.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-22-4	Silver	650		1	1.62	10.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-28-0	Thallium	613		1	5.02	40.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-62-2	Vanadium	1250		1	4.98	40.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-66-6	Zinc	1160		1	4.00	40.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	

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.:	Q3016
Lab Sample ID:	Q3016-03	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	671		1	5.36	40.0	ug/L	09/23/25 09:30	09/26/25 14:27	EPA 200.7	
7440-32-6	Titanium	81.0		1	7.82	40.0	ug/L	09/23/25 09:30	09/26/25 14:27	EPA 200.7	

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.:	Q3016
Lab Sample ID:	Q3016-05	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	79900		1	173	2000	ug/L	09/23/25 09:30	09/26/25 14:14	EPA 200.7	
Calcium Hardness	Calcium Hardness	200000		1	432	4990	ug/L	09/23/25 09:30	09/26/25 14:14	EPA 200.7	
Hardness	Hardness, Total	315000		1	1290	13200	ug/L	09/23/25 09:30	09/26/25 14:14	EPA 200.7	
7439-95-4	Magnesium	28000		1	208	2000	ug/L	09/23/25 09:30	09/26/25 14:14	EPA 200.7	
7440-09-7	Potassium	8330		1	618	2000	ug/L	09/23/25 09:30	09/26/25 14:14	EPA 200.7	
7440-23-5	Sodium	25200		1	734	2000	ug/L	09/23/25 09:30	09/26/25 14:14	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Hardness, Calcium				

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-SIO2-WP	SDG No.:	Q3016
Lab Sample ID:	Q3016-07	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.
Dissolved Silica	Dissolved Silica	72100	D	5	400	4280	ug/L	09/23/25 09:30	09/26/25 14:53	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Silica				

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-HG-WP	SDG No.:	Q3016
Lab Sample ID:	Q3016-08	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.
7439-97-6	Mercury	27.0	D	5	0.14	1.00	ug/L	10/02/25 09:05	10/02/25 13:23	E245.1	

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments: Mercury

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

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark

SDG No.: Q3016

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
ICV55	Mercury	3.91	4.0	98	95 - 105	CV	10/02/2025	12:37	LB137392

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark

SDG No.: Q3016

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
CCV73	Mercury	5.11	5.0	102	90 - 110	CV	10/02/2025	12:45	LB137392
CCV74	Mercury	5.07	5.0	101	90 - 110	CV	10/02/2025	13:16	LB137392
CCV75	Mercury	5.09	5.0	102	90 - 110	CV	10/02/2025	13:30	LB137392

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

Contract: ALLI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	7850	8000	98	95 - 105	P	09/26/2025	12:44	LB137342
	Antimony	4060	4000	102	95 - 105	P	09/26/2025	12:44	LB137342
	Arsenic	3940	4000	98	95 - 105	P	09/26/2025	12:44	LB137342
	Barium	7720	8000	96	95 - 105	P	09/26/2025	12:44	LB137342
	Beryllium	197	200	98	95 - 105	P	09/26/2025	12:44	LB137342
	Boron	3900	4000	97	95 - 105	P	09/26/2025	12:44	LB137342
	Cadmium	1960	2000	98	95 - 105	P	09/26/2025	12:44	LB137342
	Calcium	19500	20000	97	95 - 105	P	09/26/2025	12:44	LB137342
	Chromium	794	800	99	95 - 105	P	09/26/2025	12:44	LB137342
	Cobalt	1960	2000	98	95 - 105	P	09/26/2025	12:44	LB137342
	Copper	996	1000	100	95 - 105	P	09/26/2025	12:44	LB137342
	Iron	3910	4000	98	95 - 105	P	09/26/2025	12:44	LB137342
	Lead	3840	4000	96	95 - 105	P	09/26/2025	12:44	LB137342
	Magnesium	19500	20000	97	95 - 105	P	09/26/2025	12:44	LB137342
	Manganese	1940	2000	97	95 - 105	P	09/26/2025	12:44	LB137342
	Molybdenum	4010	4000	100	95 - 105	P	09/26/2025	12:44	LB137342
	Nickel	1960	2000	98	95 - 105	P	09/26/2025	12:44	LB137342
	Potassium	19300	20000	96	95 - 105	P	09/26/2025	12:44	LB137342
	Selenium	3950	4000	99	95 - 105	P	09/26/2025	12:44	LB137342
	Silver	951	1000	95	95 - 105	P	09/26/2025	12:44	LB137342
	Sodium	19000	20000	95	95 - 105	P	09/26/2025	12:44	LB137342
	Thallium	3830	4000	96	95 - 105	P	09/26/2025	12:44	LB137342
	Tin	3940	4000	99	95 - 105	P	09/26/2025	12:44	LB137342
	Titanium	3960	4000	99	95 - 105	P	09/26/2025	12:44	LB137342
	Vanadium	1950	2000	97	95 - 105	P	09/26/2025	12:44	LB137342
	Zinc	2000	2000	100	95 - 105	P	09/26/2025	12:44	LB137342

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

Contract: ALLI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	116	100	116	80 - 120	P	09/26/2025	12:49	LB137342
	Antimony	52.8	50.0	106	80 - 120	P	09/26/2025	12:49	LB137342
	Arsenic	21.9	20.0	110	80 - 120	P	09/26/2025	12:49	LB137342
	Barium	98.1	100	98	80 - 120	P	09/26/2025	12:49	LB137342
	Beryllium	6.33	6.0	106	80 - 120	P	09/26/2025	12:49	LB137342
	Boron	113	100	113	80 - 120	P	09/26/2025	12:49	LB137342
	Cadmium	6.03	6.0	100	80 - 120	P	09/26/2025	12:49	LB137342
	Calcium	2100	2000	105	80 - 120	P	09/26/2025	12:49	LB137342
	Chromium	10.2	10.0	102	80 - 120	P	09/26/2025	12:49	LB137342
	Cobalt	30.3	30.0	101	80 - 120	P	09/26/2025	12:49	LB137342
	Copper	22.4	20.0	112	80 - 120	P	09/26/2025	12:49	LB137342
	Iron	107	100	107	80 - 120	P	09/26/2025	12:49	LB137342
	Lead	12.3	12.0	102	80 - 120	P	09/26/2025	12:49	LB137342
	Magnesium	2160	2000	108	80 - 120	P	09/26/2025	12:49	LB137342
	Manganese	20.9	20.0	105	80 - 120	P	09/26/2025	12:49	LB137342
	Molybdenum	201	200	100	80 - 120	P	09/26/2025	12:49	LB137342
	Nickel	41.1	40.0	103	80 - 120	P	09/26/2025	12:49	LB137342
	Potassium	2110	2000	105	80 - 120	P	09/26/2025	12:49	LB137342
	Selenium	22.9	20.0	114	80 - 120	P	09/26/2025	12:49	LB137342
	Silver	10.5	10.0	105	80 - 120	P	09/26/2025	12:49	LB137342
	Sodium	2030	2000	102	80 - 120	P	09/26/2025	12:49	LB137342
	Thallium	39.8	40.0	100	80 - 120	P	09/26/2025	12:49	LB137342
	Tin	38.8	40.0	97	80 - 120	P	09/26/2025	12:49	LB137342
	Titanium	42.7	40.0	107	80 - 120	P	09/26/2025	12:49	LB137342
	Vanadium	36.6	40.0	92	80 - 120	P	09/26/2025	12:49	LB137342
	Zinc	44.6	40.0	112	80 - 120	P	09/26/2025	12:49	LB137342

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

Contract: ALLI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9970	10000	100	90 - 110	P	09/26/2025	13:40	LB137342
	Antimony	4980	5000	100	90 - 110	P	09/26/2025	13:40	LB137342
	Arsenic	4980	5000	100	90 - 110	P	09/26/2025	13:40	LB137342
	Barium	9770	10000	98	90 - 110	P	09/26/2025	13:40	LB137342
	Beryllium	250	250	100	90 - 110	P	09/26/2025	13:40	LB137342
	Boron	4980	5000	100	90 - 110	P	09/26/2025	13:40	LB137342
	Cadmium	2480	2500	99	90 - 110	P	09/26/2025	13:40	LB137342
	Calcium	24900	25000	100	90 - 110	P	09/26/2025	13:40	LB137342
	Chromium	997	1000	100	90 - 110	P	09/26/2025	13:40	LB137342
	Cobalt	2460	2500	99	90 - 110	P	09/26/2025	13:40	LB137342
	Copper	1250	1250	100	90 - 110	P	09/26/2025	13:40	LB137342
	Iron	4930	5000	99	90 - 110	P	09/26/2025	13:40	LB137342
	Lead	4920	5000	98	90 - 110	P	09/26/2025	13:40	LB137342
	Magnesium	24800	25000	99	90 - 110	P	09/26/2025	13:40	LB137342
	Manganese	2470	2500	99	90 - 110	P	09/26/2025	13:40	LB137342
	Molybdenum	5000	5000	100	90 - 110	P	09/26/2025	13:40	LB137342
	Nickel	2470	2500	99	90 - 110	P	09/26/2025	13:40	LB137342
	Potassium	24500	25000	98	90 - 110	P	09/26/2025	13:40	LB137342
	Selenium	4990	5000	100	90 - 110	P	09/26/2025	13:40	LB137342
	Silver	1240	1250	100	90 - 110	P	09/26/2025	13:40	LB137342
	Sodium	24100	25000	96	90 - 110	P	09/26/2025	13:40	LB137342
	Thallium	5010	5000	100	90 - 110	P	09/26/2025	13:40	LB137342
	Tin	4910	5000	98	90 - 110	P	09/26/2025	13:40	LB137342
	Titanium	4950	5000	99	90 - 110	P	09/26/2025	13:40	LB137342
	Vanadium	2490	2500	99	90 - 110	P	09/26/2025	13:40	LB137342
	Zinc	2510	2500	100	90 - 110	P	09/26/2025	13:40	LB137342
CCV02	Aluminum	9960	10000	100	90 - 110	P	09/26/2025	14:31	LB137342
	Antimony	5060	5000	101	90 - 110	P	09/26/2025	14:31	LB137342
	Arsenic	5080	5000	102	90 - 110	P	09/26/2025	14:31	LB137342
	Barium	9690	10000	97	90 - 110	P	09/26/2025	14:31	LB137342
	Beryllium	249	250	100	90 - 110	P	09/26/2025	14:31	LB137342
	Boron	4930	5000	99	90 - 110	P	09/26/2025	14:31	LB137342
	Cadmium	2510	2500	100	90 - 110	P	09/26/2025	14:31	LB137342
	Calcium	25000	25000	100	90 - 110	P	09/26/2025	14:31	LB137342

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

Contract: ALLI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Chromium	1010	1000	101	90 - 110	P	09/26/2025	14:31	LB137342
	Cobalt	2490	2500	100	90 - 110	P	09/26/2025	14:31	LB137342
	Copper	1270	1250	101	90 - 110	P	09/26/2025	14:31	LB137342
	Iron	5060	5000	101	90 - 110	P	09/26/2025	14:31	LB137342
	Lead	4970	5000	99	90 - 110	P	09/26/2025	14:31	LB137342
	Magnesium	24700	25000	99	90 - 110	P	09/26/2025	14:31	LB137342
	Manganese	2450	2500	98	90 - 110	P	09/26/2025	14:31	LB137342
	Molybdenum	5050	5000	101	90 - 110	P	09/26/2025	14:31	LB137342
	Nickel	2500	2500	100	90 - 110	P	09/26/2025	14:31	LB137342
	Potassium	25000	25000	100	90 - 110	P	09/26/2025	14:31	LB137342
	Selenium	5130	5000	103	90 - 110	P	09/26/2025	14:31	LB137342
	Silver	1260	1250	101	90 - 110	P	09/26/2025	14:31	LB137342
	Sodium	24300	25000	97	90 - 110	P	09/26/2025	14:31	LB137342
	Thallium	5170	5000	104	90 - 110	P	09/26/2025	14:31	LB137342
	Tin	4970	5000	99	90 - 110	P	09/26/2025	14:31	LB137342
	Titanium	4910	5000	98	90 - 110	P	09/26/2025	14:31	LB137342
	Vanadium	2480	2500	99	90 - 110	P	09/26/2025	14:31	LB137342
	Zinc	2550	2500	102	90 - 110	P	09/26/2025	14:31	LB137342
CCV03	Aluminum	9690	10000	97	90 - 110	P	09/26/2025	15:14	LB137342
	Antimony	4750	5000	95	90 - 110	P	09/26/2025	15:14	LB137342
	Arsenic	4770	5000	95	90 - 110	P	09/26/2025	15:14	LB137342
	Barium	9510	10000	95	90 - 110	P	09/26/2025	15:14	LB137342
	Beryllium	241	250	96	90 - 110	P	09/26/2025	15:14	LB137342
	Boron	4820	5000	96	90 - 110	P	09/26/2025	15:14	LB137342
	Cadmium	2380	2500	95	90 - 110	P	09/26/2025	15:14	LB137342
	Calcium	24200	25000	97	90 - 110	P	09/26/2025	15:14	LB137342
	Chromium	964	1000	96	90 - 110	P	09/26/2025	15:14	LB137342
	Cobalt	2370	2500	95	90 - 110	P	09/26/2025	15:14	LB137342
	Copper	1190	1250	95	90 - 110	P	09/26/2025	15:14	LB137342
	Iron	4720	5000	94	90 - 110	P	09/26/2025	15:14	LB137342
	Lead	4720	5000	94	90 - 110	P	09/26/2025	15:14	LB137342
	Magnesium	24200	25000	97	90 - 110	P	09/26/2025	15:14	LB137342
	Manganese	2390	2500	96	90 - 110	P	09/26/2025	15:14	LB137342
	Molybdenum	4910	5000	98	90 - 110	P	09/26/2025	15:14	LB137342

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

Contract: ALLI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV03	Nickel	2360	2500	95	90 - 110	P	09/26/2025	15:14	LB137342
	Potassium	23600	25000	95	90 - 110	P	09/26/2025	15:14	LB137342
	Selenium	4790	5000	96	90 - 110	P	09/26/2025	15:14	LB137342
	Silver	1200	1250	96	90 - 110	P	09/26/2025	15:14	LB137342
	Sodium	23000	25000	92	90 - 110	P	09/26/2025	15:14	LB137342
	Thallium	5080	5000	102	90 - 110	P	09/26/2025	15:14	LB137342
	Tin	4710	5000	94	90 - 110	P	09/26/2025	15:14	LB137342
	Titanium	4800	5000	96	90 - 110	P	09/26/2025	15:14	LB137342
	Vanadium	2420	2500	97	90 - 110	P	09/26/2025	15:14	LB137342
	Zinc	2400	2500	96	90 - 110	P	09/26/2025	15:14	LB137342
CCV04	Aluminum	9870	10000	99	90 - 110	P	09/26/2025	16:13	LB137342
	Antimony	4920	5000	98	90 - 110	P	09/26/2025	16:13	LB137342
	Arsenic	4950	5000	99	90 - 110	P	09/26/2025	16:13	LB137342
	Barium	9560	10000	96	90 - 110	P	09/26/2025	16:13	LB137342
	Beryllium	249	250	100	90 - 110	P	09/26/2025	16:13	LB137342
	Boron	4920	5000	98	90 - 110	P	09/26/2025	16:13	LB137342
	Cadmium	2460	2500	98	90 - 110	P	09/26/2025	16:13	LB137342
	Calcium	24700	25000	99	90 - 110	P	09/26/2025	16:13	LB137342
	Chromium	1010	1000	101	90 - 110	P	09/26/2025	16:13	LB137342
	Cobalt	2440	2500	98	90 - 110	P	09/26/2025	16:13	LB137342
	Copper	1230	1250	99	90 - 110	P	09/26/2025	16:13	LB137342
	Iron	5010	5000	100	90 - 110	P	09/26/2025	16:13	LB137342
	Lead	4880	5000	98	90 - 110	P	09/26/2025	16:13	LB137342
	Magnesium	24700	25000	99	90 - 110	P	09/26/2025	16:13	LB137342
	Manganese	2420	2500	97	90 - 110	P	09/26/2025	16:13	LB137342
	Molybdenum	5040	5000	101	90 - 110	P	09/26/2025	16:13	LB137342
	Nickel	2450	2500	98	90 - 110	P	09/26/2025	16:13	LB137342
	Potassium	25300	25000	101	90 - 110	P	09/26/2025	16:13	LB137342
	Selenium	4980	5000	100	90 - 110	P	09/26/2025	16:13	LB137342
	Silver	1260	1250	101	90 - 110	P	09/26/2025	16:13	LB137342
	Sodium	24000	25000	96	90 - 110	P	09/26/2025	16:13	LB137342
	Thallium	5010	5000	100	90 - 110	P	09/26/2025	16:13	LB137342
	Tin	4860	5000	97	90 - 110	P	09/26/2025	16:13	LB137342
	Titanium	4860	5000	97	90 - 110	P	09/26/2025	16:13	LB137342

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark

SDG No.: Q3016

Contract: ALLI03

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Vanadium	2480	2500	99	90 - 110	P	09/26/2025	16:13	LB137342
	Zinc	2490	2500	100	90 - 110	P	09/26/2025	16:13	LB137342

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Metals

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CRDL STANDARD FOR AA & ICP

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

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
CRI01	Aluminum	113	100	113	65 - 135	P	09/26/2025	13:00	LB137342
	Antimony	51.7	50.0	103	65 - 135	P	09/26/2025	13:00	LB137342
	Arsenic	22.3	20.0	112	65 - 135	P	09/26/2025	13:00	LB137342
	Barium	98.8	100	99	65 - 135	P	09/26/2025	13:00	LB137342
	Beryllium	6.33	6.0	106	65 - 135	P	09/26/2025	13:00	LB137342
	Boron	105	100	105	65 - 135	P	09/26/2025	13:00	LB137342
	Cadmium	6.04	6.0	101	65 - 135	P	09/26/2025	13:00	LB137342
	Calcium	2090	2000	104	65 - 135	P	09/26/2025	13:00	LB137342
	Chromium	10.1	10.0	101	65 - 135	P	09/26/2025	13:00	LB137342
	Cobalt	29.9	30.0	100	65 - 135	P	09/26/2025	13:00	LB137342
	Copper	22.3	20.0	111	65 - 135	P	09/26/2025	13:00	LB137342
	Iron	96.4	100	96	65 - 135	P	09/26/2025	13:00	LB137342
	Lead	12.4	12.0	103	65 - 135	P	09/26/2025	13:00	LB137342
	Magnesium	2140	2000	107	65 - 135	P	09/26/2025	13:00	LB137342
	Manganese	20.5	20.0	102	65 - 135	P	09/26/2025	13:00	LB137342
	Molybdenum	200	200	100	65 - 135	P	09/26/2025	13:00	LB137342
	Nickel	40.8	40.0	102	65 - 135	P	09/26/2025	13:00	LB137342
	Potassium	2000	2000	100	65 - 135	P	09/26/2025	13:00	LB137342
	Selenium	24.9	20.0	124	65 - 135	P	09/26/2025	13:00	LB137342
	Silver	10.4	10.0	104	65 - 135	P	09/26/2025	13:00	LB137342
	Sodium	2000	2000	100	65 - 135	P	09/26/2025	13:00	LB137342
	Thallium	39.1	40.0	98	65 - 135	P	09/26/2025	13:00	LB137342
	Tin	38.6	40.0	96	65 - 135	P	09/26/2025	13:00	LB137342
	Titanium	40.0	40.0	100	65 - 135	P	09/26/2025	13:00	LB137342
	Vanadium	37.4	40.0	93	65 - 135	P	09/26/2025	13:00	LB137342
	Zinc	43.2	40.0	108	65 - 135	P	09/26/2025	13:00	LB137342
CRA	Mercury	0.041	0.05	83	60 - 140	CV	10/02/2025	12:54	LB137392

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

Contract: ALLI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB55	Mercury	0.027	+/-0.2	U	0.20	CV	10/02/2025	12:39	LB137392

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

Contract: ALLI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB73	Mercury	0.027	+/-0.2	U	0.20	CV	10/02/2025	12:47	LB137392
CCB74	Mercury	0.027	+/-0.2	U	0.20	CV	10/02/2025	13:18	LB137392
CCB75	Mercury	0.027	+/-0.2	U	0.20	CV	10/02/2025	13:32	LB137392

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

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	11.3	+/-50	U	100	P	09/26/2025	12:55	LB137342
	Antimony	6.76	+/-25	U	50.0	P	09/26/2025	12:55	LB137342
	Arsenic	5.12	+/-10	U	20.0	P	09/26/2025	12:55	LB137342
	Barium	14.6	+/-50	U	100	P	09/26/2025	12:55	LB137342
	Beryllium	0.56	+/-3	U	6.00	P	09/26/2025	12:55	LB137342
	Boron	15.7	+/-50	U	100	P	09/26/2025	12:55	LB137342
	Cadmium	0.50	+/-3	U	6.00	P	09/26/2025	12:55	LB137342
	Calcium	234	+/-1000	U	2000	P	09/26/2025	12:55	LB137342
	Chromium	2.12	+/-5	U	10.0	P	09/26/2025	12:55	LB137342
	Cobalt	2.26	+/-15	U	30.0	P	09/26/2025	12:55	LB137342
	Copper	4.60	+/-10	U	20.0	P	09/26/2025	12:55	LB137342
	Iron	23.4	+/-50	U	100	P	09/26/2025	12:55	LB137342
	Lead	2.30	+/-6	U	12.0	P	09/26/2025	12:55	LB137342
	Magnesium	244	+/-1000	U	2000	P	09/26/2025	12:55	LB137342
	Manganese	5.94	+/-10	U	20.0	P	09/26/2025	12:55	LB137342
	Molybdenum	18.7	+/-100	U	200	P	09/26/2025	12:55	LB137342
	Nickel	3.06	+/-20	U	40.0	P	09/26/2025	12:55	LB137342
	Potassium	918	+/-1000	U	2000	P	09/26/2025	12:55	LB137342
	Selenium	9.64	+/-10	U	20.0	P	09/26/2025	12:55	LB137342
	Silver	1.62	+/-5	U	10.0	P	09/26/2025	12:55	LB137342
	Sodium	868	+/-1000	U	2000	P	09/26/2025	12:55	LB137342
	Thallium	4.38	+/-20	U	40.0	P	09/26/2025	12:55	LB137342
	Tin	5.14	+/-20	U	40.0	P	09/26/2025	12:55	LB137342
	Titanium	6.42	+/-20	U	40.0	P	09/26/2025	12:55	LB137342
	Vanadium	6.26	+/-20	U	40.0	P	09/26/2025	12:55	LB137342
	Zinc	16.7	+/-20	U	40.0	P	09/26/2025	12:55	LB137342

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

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	11.3	+/-50	U	100	P	09/26/2025	13:44	LB137342
	Antimony	6.76	+/-25	U	50.0	P	09/26/2025	13:44	LB137342
	Arsenic	5.12	+/-10	U	20.0	P	09/26/2025	13:44	LB137342
	Barium	14.6	+/-50	U	100	P	09/26/2025	13:44	LB137342
	Beryllium	0.56	+/-3	U	6.00	P	09/26/2025	13:44	LB137342
	Boron	15.7	+/-50	U	100	P	09/26/2025	13:44	LB137342
	Cadmium	0.50	+/-3	U	6.00	P	09/26/2025	13:44	LB137342
	Calcium	234	+/-1000	U	2000	P	09/26/2025	13:44	LB137342
	Chromium	2.12	+/-5	U	10.0	P	09/26/2025	13:44	LB137342
	Cobalt	2.26	+/-15	U	30.0	P	09/26/2025	13:44	LB137342
	Copper	4.60	+/-10	U	20.0	P	09/26/2025	13:44	LB137342
	Iron	23.4	+/-50	U	100	P	09/26/2025	13:44	LB137342
	Lead	2.30	+/-6	U	12.0	P	09/26/2025	13:44	LB137342
	Magnesium	244	+/-1000	U	2000	P	09/26/2025	13:44	LB137342
	Manganese	5.94	+/-10	U	20.0	P	09/26/2025	13:44	LB137342
	Molybdenum	18.7	+/-100	U	200	P	09/26/2025	13:44	LB137342
	Nickel	3.06	+/-20	U	40.0	P	09/26/2025	13:44	LB137342
	Potassium	918	+/-1000	U	2000	P	09/26/2025	13:44	LB137342
	Selenium	9.64	+/-10	U	20.0	P	09/26/2025	13:44	LB137342
	Silver	1.62	+/-5	U	10.0	P	09/26/2025	13:44	LB137342
	Sodium	868	+/-1000	U	2000	P	09/26/2025	13:44	LB137342
	Thallium	4.38	+/-20	U	40.0	P	09/26/2025	13:44	LB137342
	Tin	5.14	+/-20	U	40.0	P	09/26/2025	13:44	LB137342
	Titanium	6.42	+/-20	U	40.0	P	09/26/2025	13:44	LB137342
	Vanadium	6.26	+/-20	U	40.0	P	09/26/2025	13:44	LB137342
	Zinc	16.7	+/-20	U	40.0	P	09/26/2025	13:44	LB137342
CCB02	Aluminum	11.3	+/-50	U	100	P	09/26/2025	14:35	LB137342
	Antimony	6.76	+/-25	U	50.0	P	09/26/2025	14:35	LB137342
	Arsenic	5.12	+/-10	U	20.0	P	09/26/2025	14:35	LB137342
	Barium	14.6	+/-50	U	100	P	09/26/2025	14:35	LB137342
	Beryllium	0.56	+/-3	U	6.00	P	09/26/2025	14:35	LB137342
	Boron	15.7	+/-50	U	100	P	09/26/2025	14:35	LB137342
	Cadmium	0.50	+/-3	U	6.00	P	09/26/2025	14:35	LB137342
	Calcium	234	+/-1000	U	2000	P	09/26/2025	14:35	LB137342
	Chromium	2.12	+/-5	U	10.0	P	09/26/2025	14:35	LB137342
	Cobalt	2.26	+/-15	U	30.0	P	09/26/2025	14:35	LB137342
	Copper	4.60	+/-10	U	20.0	P	09/26/2025	14:35	LB137342
	Iron	23.4	+/-50	U	100	P	09/26/2025	14:35	LB137342
	Lead	2.30	+/-6	U	12.0	P	09/26/2025	14:35	LB137342

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

Contract: ALLI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Magnesium	244	+/-1000	U	2000	P	09/26/2025	14:35	LB137342
	Manganese	5.94	+/-10	U	20.0	P	09/26/2025	14:35	LB137342
	Molybdenum	18.7	+/-100	U	200	P	09/26/2025	14:35	LB137342
	Nickel	3.06	+/-20	U	40.0	P	09/26/2025	14:35	LB137342
	Potassium	918	+/-1000	U	2000	P	09/26/2025	14:35	LB137342
	Selenium	9.64	+/-10	U	20.0	P	09/26/2025	14:35	LB137342
	Silver	1.62	+/-5	U	10.0	P	09/26/2025	14:35	LB137342
	Sodium	868	+/-1000	U	2000	P	09/26/2025	14:35	LB137342
	Thallium	4.38	+/-20	U	40.0	P	09/26/2025	14:35	LB137342
	Tin	5.14	+/-20	U	40.0	P	09/26/2025	14:35	LB137342
	Titanium	6.42	+/-20	U	40.0	P	09/26/2025	14:35	LB137342
	Vanadium	6.26	+/-20	U	40.0	P	09/26/2025	14:35	LB137342
	Zinc	16.7	+/-20	U	40.0	P	09/26/2025	14:35	LB137342
CCB03	Aluminum	11.3	+/-50	U	100	P	09/26/2025	15:18	LB137342
	Antimony	6.76	+/-25	U	50.0	P	09/26/2025	15:18	LB137342
	Arsenic	5.12	+/-10	U	20.0	P	09/26/2025	15:18	LB137342
	Barium	14.6	+/-50	U	100	P	09/26/2025	15:18	LB137342
	Beryllium	0.56	+/-3	U	6.00	P	09/26/2025	15:18	LB137342
	Boron	15.7	+/-50	U	100	P	09/26/2025	15:18	LB137342
	Cadmium	0.50	+/-3	U	6.00	P	09/26/2025	15:18	LB137342
	Calcium	234	+/-1000	U	2000	P	09/26/2025	15:18	LB137342
	Chromium	2.12	+/-5	U	10.0	P	09/26/2025	15:18	LB137342
	Cobalt	2.26	+/-15	U	30.0	P	09/26/2025	15:18	LB137342
	Copper	4.60	+/-10	U	20.0	P	09/26/2025	15:18	LB137342
	Iron	23.4	+/-50	U	100	P	09/26/2025	15:18	LB137342
	Lead	2.30	+/-6	U	12.0	P	09/26/2025	15:18	LB137342
	Magnesium	244	+/-1000	U	2000	P	09/26/2025	15:18	LB137342
	Manganese	5.94	+/-10	U	20.0	P	09/26/2025	15:18	LB137342
	Molybdenum	18.7	+/-100	U	200	P	09/26/2025	15:18	LB137342
	Nickel	3.06	+/-20	U	40.0	P	09/26/2025	15:18	LB137342
	Potassium	918	+/-1000	U	2000	P	09/26/2025	15:18	LB137342
	Selenium	9.64	+/-10	U	20.0	P	09/26/2025	15:18	LB137342
	Silver	1.62	+/-5	U	10.0	P	09/26/2025	15:18	LB137342
	Sodium	868	+/-1000	U	2000	P	09/26/2025	15:18	LB137342
	Thallium	4.38	+/-20	U	40.0	P	09/26/2025	15:18	LB137342
	Tin	5.14	+/-20	U	40.0	P	09/26/2025	15:18	LB137342
	Titanium	6.42	+/-20	U	40.0	P	09/26/2025	15:18	LB137342
	Vanadium	6.26	+/-20	U	40.0	P	09/26/2025	15:18	LB137342
	Zinc	16.7	+/-20	U	40.0	P	09/26/2025	15:18	LB137342

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

Contract: ALLI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Aluminum	11.3	+/-50	U	100	P	09/26/2025	16:18	LB137342
	Antimony	6.76	+/-25	U	50.0	P	09/26/2025	16:18	LB137342
	Arsenic	5.12	+/-10	U	20.0	P	09/26/2025	16:18	LB137342
	Barium	14.6	+/-50	U	100	P	09/26/2025	16:18	LB137342
	Beryllium	0.56	+/-3	U	6.00	P	09/26/2025	16:18	LB137342
	Boron	15.7	+/-50	U	100	P	09/26/2025	16:18	LB137342
	Cadmium	0.50	+/-3	U	6.00	P	09/26/2025	16:18	LB137342
	Calcium	234	+/-1000	U	2000	P	09/26/2025	16:18	LB137342
	Chromium	2.12	+/-5	U	10.0	P	09/26/2025	16:18	LB137342
	Cobalt	2.26	+/-15	U	30.0	P	09/26/2025	16:18	LB137342
	Copper	4.60	+/-10	U	20.0	P	09/26/2025	16:18	LB137342
	Iron	23.4	+/-50	U	100	P	09/26/2025	16:18	LB137342
	Lead	2.30	+/-6	U	12.0	P	09/26/2025	16:18	LB137342
	Magnesium	244	+/-1000	U	2000	P	09/26/2025	16:18	LB137342
	Manganese	5.94	+/-10	U	20.0	P	09/26/2025	16:18	LB137342
	Molybdenum	18.7	+/-100	U	200	P	09/26/2025	16:18	LB137342
	Nickel	3.06	+/-20	U	40.0	P	09/26/2025	16:18	LB137342
	Potassium	918	+/-1000	U	2000	P	09/26/2025	16:18	LB137342
	Selenium	9.64	+/-10	U	20.0	P	09/26/2025	16:18	LB137342
	Silver	1.62	+/-5	U	10.0	P	09/26/2025	16:18	LB137342
	Sodium	868	+/-1000	U	2000	P	09/26/2025	16:18	LB137342
	Thallium	4.38	+/-20	U	40.0	P	09/26/2025	16:18	LB137342
	Tin	5.14	+/-20	U	40.0	P	09/26/2025	16:18	LB137342
	Titanium	6.42	+/-20	U	40.0	P	09/26/2025	16:18	LB137342
	Vanadium	6.26	+/-20	U	40.0	P	09/26/2025	16:18	LB137342
	Zinc	16.7	+/-20	U	40.0	P	09/26/2025	16:18	LB137342

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169747BL		**WATER**		**Batch Number:**	**PB169747**		**Prep Date:**	**10/02/2025**	
	Mercury	0.027	<0.2	U	0.20	CV	10/02/2025	13:01	LB137392

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169563BL		**WATER**		**Batch Number:**	**PB169563**		**Prep Date:**	**09/23/2025**	
	Aluminum	30.8	<50	U	100	P	09/26/2025	13:49	LB137342
	Antimony	5.44	<25	U	50.0	P	09/26/2025	13:49	LB137342
	Arsenic	3.70	<10	U	20.0	P	09/26/2025	13:49	LB137342
	Barium	19.5	<50	U	100	P	09/26/2025	13:49	LB137342
	Beryllium	0.54	<3	U	6.00	P	09/26/2025	13:49	LB137342
	Boron	13.8	<50	U	100	P	09/26/2025	13:49	LB137342
	Cadmium	0.62	<3	U	6.00	P	09/26/2025	13:49	LB137342
	Calcium	173	<1000	U	2000	P	09/26/2025	13:49	LB137342
	Chromium	1.06	<5	U	10.0	P	09/26/2025	13:49	LB137342
	Cobalt	2.32	<15	U	30.0	P	09/26/2025	13:49	LB137342
	Copper	3.78	<10	U	20.0	P	09/26/2025	13:49	LB137342
	Iron	36.0	<50	U	100	P	09/26/2025	13:49	LB137342
	Lead	2.42	<6	U	12.0	P	09/26/2025	13:49	LB137342
	Magnesium	208	<1000	U	2000	P	09/26/2025	13:49	LB137342
	Manganese	4.92	<10	U	20.0	P	09/26/2025	13:49	LB137342
	Molybdenum	17.6	<100	U	200	P	09/26/2025	13:49	LB137342
	Nickel	3.80	<20	U	40.0	P	09/26/2025	13:49	LB137342
	Potassium	618	<1000	U	2000	P	09/26/2025	13:49	LB137342
	Selenium	5.04	<10	U	20.0	P	09/26/2025	13:49	LB137342
	Silver	1.62	<5	U	10.0	P	09/26/2025	13:49	LB137342
	Sodium	734	<1000	U	2000	P	09/26/2025	13:49	LB137342
	Thallium	5.02	<20	U	40.0	P	09/26/2025	13:49	LB137342
	Tin	5.36	<20	U	40.0	P	09/26/2025	13:49	LB137342
	Titanium	7.82	<20	U	40.0	P	09/26/2025	13:49	LB137342
	Vanadium	4.98	<20	U	40.0	P	09/26/2025	13:49	LB137342
	Zinc	4.00	<20	U	40.0	P	09/26/2025	13:49	LB137342

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

Contract: ALLI03 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

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	260000	255000	102	216000	294000	09/26/2025	13:04	LB137342
	Antimony	-2.91			-50	50	09/26/2025	13:04	LB137342
	Arsenic	3.14			-20	20	09/26/2025	13:04	LB137342
	Barium	3.49	6.0	58	-94	106	09/26/2025	13:04	LB137342
	Beryllium	1.67			-6	6	09/26/2025	13:04	LB137342
	Boron	72.7	1000	7	-100	100	09/26/2025	13:04	LB137342
	Cadmium	-1.23	1.0	123	-5	7	09/26/2025	13:04	LB137342
	Calcium	241000	245000	98	208000	282000	09/26/2025	13:04	LB137342
	Chromium	45.7	52.0	88	42	62	09/26/2025	13:04	LB137342
	Cobalt	1.48			-30	30	09/26/2025	13:04	LB137342
	Copper	9.02	2.0	451	-18	22	09/26/2025	13:04	LB137342
	Iron	102000	101000	101	85600	116500	09/26/2025	13:04	LB137342
	Lead	-0.70			-12	12	09/26/2025	13:04	LB137342
	Magnesium	258000	255000	101	216000	294000	09/26/2025	13:04	LB137342
	Manganese	6.38	7.0	91	-13	27	09/26/2025	13:04	LB137342
	Molybdenum	0.17	1000		-200	200	09/26/2025	13:04	LB137342
	Nickel	3.29	2.0	164	-38	42	09/26/2025	13:04	LB137342
	Potassium	43.8			0	0	09/26/2025	13:04	LB137342
	Selenium	7.79			-20	20	09/26/2025	13:04	LB137342
	Silver	-1.79			-10	10	09/26/2025	13:04	LB137342
	Sodium	76.3			0	0	09/26/2025	13:04	LB137342
	Thallium	5.89			-40	40	09/26/2025	13:04	LB137342
	Tin	-4.75	1000		-40	40	09/26/2025	13:04	LB137342
	Titanium	-4.04			0	0	09/26/2025	13:04	LB137342
	Vanadium	0.41			-40	40	09/26/2025	13:04	LB137342
	Zinc	2.43			-40	40	09/26/2025	13:04	LB137342
ICSAB01	Aluminum	249000	247000	101	209000	285000	09/26/2025	13:08	LB137342
	Antimony	609	618	98	525	711	09/26/2025	13:08	LB137342
	Arsenic	108	104	104	88.4	120	09/26/2025	13:08	LB137342
	Barium	495	537	92	437	637	09/26/2025	13:08	LB137342
	Beryllium	504	495	102	420	570	09/26/2025	13:08	LB137342
	Boron	981	1000	98	850	1150	09/26/2025	13:08	LB137342
	Cadmium	983	972	101	826	1120	09/26/2025	13:08	LB137342
	Calcium	236000	235000	100	199000	271000	09/26/2025	13:08	LB137342
	Chromium	544	542	100	460	624	09/26/2025	13:08	LB137342
	Cobalt	494	476	104	404	548	09/26/2025	13:08	LB137342
	Copper	500	511	98	434	588	09/26/2025	13:08	LB137342
	Iron	98300	99300	99	84400	114500	09/26/2025	13:08	LB137342
	Lead	43.2	49.0	88	37	61	09/26/2025	13:08	LB137342
	Magnesium	250000	248000	101	210000	286000	09/26/2025	13:08	LB137342
	Manganese	493	507	97	430	584	09/26/2025	13:08	LB137342
	Molybdenum	960	1000	96	850	1150	09/26/2025	13:08	LB137342

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

Contract: ALLI03 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

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	Nickel	981	954	103	810	1100	09/26/2025	13:08	LB137342
	Potassium	-20.4			0	0	09/26/2025	13:08	LB137342
	Selenium	60.5	46.0	132	26	66	09/26/2025	13:08	LB137342
	Silver	209	201	104	170	232	09/26/2025	13:08	LB137342
	Sodium	69.1			0	0	09/26/2025	13:08	LB137342
	Thallium	113	108	105	68	148	09/26/2025	13:08	LB137342
	Tin	935	1000	94	850	1150	09/26/2025	13:08	LB137342
	Titanium	935			0	0	09/26/2025	13:08	LB137342
	Vanadium	483	491	98	417	565	09/26/2025	13:08	LB137342
	Zinc	1040	952	109	809	1095	09/26/2025	13:08	LB137342
ICSA	Aluminum	251000	255000	98	216000	294000	09/26/2025	13:32	LB137342
	Antimony	27.8			-50	50	09/26/2025	13:32	LB137342
	Arsenic	-22.7			-20	20	09/26/2025	13:32	LB137342
	Barium	5.49	6.0	92	-94	106	09/26/2025	13:32	LB137342
	Beryllium	2.23			-6	6	09/26/2025	13:32	LB137342
	Boron	4.59	1000		-100	100	09/26/2025	13:32	LB137342
	Cadmium	-1.10	1.0	110	-5	7	09/26/2025	13:32	LB137342
	Calcium	247000	245000	101	208000	282000	09/26/2025	13:32	LB137342
	Chromium	38.0	52.0	73	42	62	09/26/2025	13:32	LB137342
	Cobalt	0.39			-30	30	09/26/2025	13:32	LB137342
	Copper	24.0	2.0	1200	-18	22	09/26/2025	13:32	LB137342
	Iron	99400	101000	98	85600	116500	09/26/2025	13:32	LB137342
	Lead	3.40			-12	12	09/26/2025	13:32	LB137342
	Magnesium	258000	255000	101	216000	294000	09/26/2025	13:32	LB137342
	Manganese	-3.28	7.0	47	-13	27	09/26/2025	13:32	LB137342
	Molybdenum	-2.38	1000		-200	200	09/26/2025	13:32	LB137342
	Nickel	9.35	2.0	468	-38	42	09/26/2025	13:32	LB137342
	Potassium	-852			0	0	09/26/2025	13:32	LB137342
	Selenium	75.5			-20	20	09/26/2025	13:32	LB137342
	Silver	-12.6			-10	10	09/26/2025	13:32	LB137342
	Sodium	-206			0	0	09/26/2025	13:32	LB137342
	Thallium	8.66			-40	40	09/26/2025	13:32	LB137342
	Tin	-56.3	1000	6	-40	40	09/26/2025	13:32	LB137342
	Titanium	16.3			0	0	09/26/2025	13:32	LB137342
	Vanadium	-31.9			-40	40	09/26/2025	13:32	LB137342
	Zinc	9.94			-40	40	09/26/2025	13:32	LB137342
ICSAB	Aluminum	247000	247000	100	209000	285000	09/26/2025	13:36	LB137342
	Antimony	606	618	98	525	711	09/26/2025	13:36	LB137342
	Arsenic	117	104	112	88.4	120	09/26/2025	13:36	LB137342
	Barium	466	537	87	437	637	09/26/2025	13:36	LB137342
	Beryllium	515	495	104	420	570	09/26/2025	13:36	LB137342
	Boron	929	1000	93	850	1150	09/26/2025	13:36	LB137342

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

Contract: ALLI03 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

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
ICSAB	Cadmium	943	972	97	826	1120	09/26/2025	13:36	LB137342
	Calcium	243000	235000	103	199000	271000	09/26/2025	13:36	LB137342
	Chromium	538	542	99	460	624	09/26/2025	13:36	LB137342
	Cobalt	467	476	98	404	548	09/26/2025	13:36	LB137342
	Copper	512	511	100	434	588	09/26/2025	13:36	LB137342
	Iron	93400	99300	94	84400	114500	09/26/2025	13:36	LB137342
	Lead	65.1	49.0	133	37	61	09/26/2025	13:36	LB137342
	Magnesium	253000	248000	102	210000	286000	09/26/2025	13:36	LB137342
	Manganese	506	507	100	430	584	09/26/2025	13:36	LB137342
	Molybdenum	957	1000	96	850	1150	09/26/2025	13:36	LB137342
	Nickel	941	954	99	810	1100	09/26/2025	13:36	LB137342
	Potassium	-495			0	0	09/26/2025	13:36	LB137342
	Selenium	74.8	46.0	163	26	66	09/26/2025	13:36	LB137342
	Silver	195	201	97	170	232	09/26/2025	13:36	LB137342
	Sodium	20.7			0	0	09/26/2025	13:36	LB137342
	Thallium	115	108	106	68	148	09/26/2025	13:36	LB137342
	Tin	847	1000	85	850	1150	09/26/2025	13:36	LB137342
	Titanium	970			0	0	09/26/2025	13:36	LB137342
	Vanadium	463	491	94	417	565	09/26/2025	13:36	LB137342
	Zinc	1030	952	108	809	1095	09/26/2025	13:36	LB137342

METAL QC DATA

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

Contract: ALLI03 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169563BS							
Aluminum	ug/L	2000	1990		100	85 - 115	P
Antimony	ug/L	800	802		100	85 - 115	P
Arsenic	ug/L	800	787		98	85 - 115	P
Barium	ug/L	200	190		95	85 - 115	P
Beryllium	ug/L	200	205		102	85 - 115	P
Boron	ug/L	300	305		102	85 - 115	P
Cadmium	ug/L	200	195		98	85 - 115	P
Calcium	ug/L	1000	997	J	100	85 - 115	P
Chromium	ug/L	400	397		99	85 - 115	P
Cobalt	ug/L	200	196		98	85 - 115	P
Copper	ug/L	300	307		102	85 - 115	P
Iron	ug/L	3000	2880		96	85 - 115	P
Lead	ug/L	1000	965		96	85 - 115	P
Magnesium	ug/L	2000	1990	J	100	85 - 115	P
Manganese	ug/L	200	198		99	85 - 115	P
Molybdenum	ug/L	400	406		102	85 - 115	P
Nickel	ug/L	500	492		98	85 - 115	P
Potassium	ug/L	10000	9370		94	85 - 115	P
Selenium	ug/L	2000	1990		100	85 - 115	P
Silver	ug/L	75.0	70.1		94	85 - 115	P
Sodium	ug/L	3000	2700		90	85 - 115	P
Thallium	ug/L	2000	2040		102	85 - 115	P
Tin	ug/L	700	681		97	85 - 115	P
Titanium	ug/L	200	195		98	85 - 115	P
Vanadium	ug/L	300	292		97	85 - 115	P
Zinc	ug/L	200	203		102	85 - 115	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

Contract: ALLI03 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169747BS							
Mercury	ug/L	4.0	3.96		99	85 - 115	CV

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

Contract: ALLI03 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

Contract: ALLI03 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

Contract: ALLI03 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

Contract: ALLI03 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

Contract: ALLI03 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

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:	**PB169563**						
PB169563BL	PB169563BL	MB	WATER	09/23/2025	50.0	50.0	
PB169563BS	PB169563BS	LCS	WATER	09/23/2025	50.0	50.0	
Q3016-01	WP0925-PT-TM1-WP	SAM	WATER	09/23/2025	50.0	50.0	
Q3016-03	WP0925-PT-SNTI-WP	SAM	WATER	09/23/2025	50.0	50.0	
Q3016-05	WP0925-PT-MIN2-WP	SAM	WATER	09/23/2025	50.0	50.0	
Q3016-07	WP0925-PT-SIO2-WP	SAM	WATER	09/23/2025	50.0	50.0	

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SAMPLE PREPARATION SUMMARY

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3016

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:	**PB169747**						
PB169747BL	PB169747BL	MB	WATER	10/02/2025	30.0	30.0	
PB169747BS	PB169747BS	LCS	WATER	10/02/2025	30.0	30.0	
Q3016-08	WP0925-PT-HG-WP	SAM	WATER	10/02/2025	30.0	30.0	

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ANALYSIS RUN LOG

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

Lab code: ACE **Sdg no.:** Q3016

Instrument id number: **Method:** **Run number:** LB137342

Start date: 09/26/2025 **End date:** 09/26/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1212	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
S1	S1	1	1216	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
S2	S2	1	1221	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
S3	S3	1	1225	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
S4	S4	1	1229	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
S5	S5	1	1233	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
ICV01	ICV01	1	1244	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
LLICV01	LLICV01	1	1249	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
ICB01	ICB01	1	1255	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
CRI01	CRI01	1	1300	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
ICSA01	ICSA01	1	1304	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
ICSAB01	ICSAB01	1	1308	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
ICSA	ICSA	20	1332	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
ICSAB	ICSAB	20	1336	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
CCV01	CCV01	1	1340	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
CCB01	CCB01	1	1344	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
PB169563BL	PB169563BL	1	1349	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Ti,Tl,V,Zn
PB169563BS	PB169563BS	1	1353	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Ti,Tl,V,Zn
Q3016-05	WP0925-PT-MIN2-WP	1	1414	Ca,K,Mg,Na
Q3016-03	WP0925-PT-SNTI-WP	1	1427	Sn,Ti
CCV02	CCV02	1	1431	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
CCB02	CCB02	1	1435	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
Q3016-01	WP0925-PT-TM1-WP	1	1439	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
Q3016-07	WP0925-PT-SIO2-WP	5	1453	Si
CCV03	CCV03	1	1514	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
CCB03	CCB03	1	1518	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
CCV04	CCV04	1	1613	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na
CCB04	CCB04	1	1618	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn,Sn,Ti,Ca,K,Mg,Na

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ANALYSIS RUN LOG

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

Lab code: ACE **Sdg no.:** Q3016

Instrument id number: **Method:** **Run number:** LB137392

Start date: 10/02/2025 **End date:** 10/02/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1220	HG
S0.05	S0.05	1	1222	HG
S0.2	S0.2	1	1225	HG
S2.5	S2.5	1	1227	HG
S5	S5	1	1229	HG
S7.5	S7.5	1	1232	HG
S10	S10	1	1234	HG
ICV55	ICV55	1	1237	HG
ICB55	ICB55	1	1239	HG
CCV73	CCV73	1	1245	HG
CCB73	CCB73	1	1247	HG
CRA	CRA	1	1254	HG
PB169747BL	PB169747BL	1	1301	HG
PB169747BS	PB169747BS	1	1303	HG
CCV74	CCV74	1	1316	HG
CCB74	CCB74	1	1318	HG
Q3016-08	WP0925-PT-HG-WP	5	1323	HG
CCV75	CCV75	1	1330	HG
CCB75	CCB75	1	1332	HG