284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q2600 **Order ID:** Q2600

Client: T&A Construction Inc **Project ID:** Kingsland Point Park Water Main

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TRENCH								
Q2600-02	TRENCH	TCLP	Arsenic	34.0	J	25.6	100	ug/L
Q2600-02	TRENCH	TCLP	Barium	3240		72.8	500	ug/L
Q2600-02	TRENCH	TCLP	Lead	535		11.5	60.0	ug/L
Client ID : STOCK-PILE								
Q2600-06	STOCK-PILE	TCLP	Arsenic	40.1	J	25.6	100	ug/L
Q2600-06	STOCK-PILE	TCLP	Barium	2090		72.8	500	ug/L
Q2600-06	STOCK-PILE	TCLP	Cadmium	6.02	J	2.50	30.0	ug/L
Q2600-06	STOCK-PILE	TCLP	Lead	1390		11.5	60.0	ug/L
Client ID : END-OF-TRENCH								
Q2600-10	END-OF-TRENCH	TCLP	Barium	1420		72.8	500	ug/L
Q2600-10	END-OF-TRENCH	TCLP	Cadmium	21.1	J	2.50	30.0	ug/L
Q2600-10	END-OF-TRENCH	TCLP	Lead	2150		11.5	60.0	ug/L

SAMPLE DATA

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Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-02	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	34.0	J	1	25.6	100	ug/L	07/16/25 12:30	07/17/25 14:36	6010D	SW3050
7440-39-3	Barium	3240		1	72.8	500	ug/L	07/16/25 12:30	07/17/25 14:36	6010D	SW3050
7440-43-9	Cadmium	2.50	U	1	2.50	30.0	ug/L	07/16/25 12:30	07/17/25 14:36	6010D	SW3050
7440-47-3	Chromium	10.6	U	1	10.6	50.0	ug/L	07/16/25 12:30	07/17/25 14:36	6010D	SW3050
7439-92-1	Lead	535		1	11.5	60.0	ug/L	07/16/25 12:30	07/17/25 14:36	6010D	SW3050
7439-97-6	Mercury	0.76	UN	1	0.76	2.00	ug/L	07/16/25 14:40	07/17/25 10:50	7470A	
7782-49-2	Selenium	48.2	U	1	48.2	100	ug/L	07/16/25 12:30	07/17/25 14:36	6010D	SW3050
7440-22-4	Silver	8.10	U	1	8.10	50.0	ug/L	07/16/25 12:30	07/17/25 14:36	6010D	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	TCLP-FULL				

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:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	STOCK-PILE	SDG No.:	Q2600
Lab Sample ID:	Q2600-06	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	40.1	J	1	25.6	100	ug/L	07/16/25 12:30	07/17/25 14:41	6010D	SW3050
7440-39-3	Barium	2090		1	72.8	500	ug/L	07/16/25 12:30	07/17/25 14:41	6010D	SW3050
7440-43-9	Cadmium	6.02	J	1	2.50	30.0	ug/L	07/16/25 12:30	07/17/25 14:41	6010D	SW3050
7440-47-3	Chromium	10.6	U	1	10.6	50.0	ug/L	07/16/25 12:30	07/17/25 14:41	6010D	SW3050
7439-92-1	Lead	1390		1	11.5	60.0	ug/L	07/16/25 12:30	07/17/25 14:41	6010D	SW3050
7439-97-6	Mercury	0.76	UN	1	0.76	2.00	ug/L	07/16/25 14:40	07/17/25 10:52	7470A	
7782-49-2	Selenium	48.2	U	1	48.2	100	ug/L	07/16/25 12:30	07/17/25 14:41	6010D	SW3050
7440-22-4	Silver	8.10	U	1	8.10	50.0	ug/L	07/16/25 12:30	07/17/25 14:41	6010D	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	TCLP-FULL				

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OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	END-OF-TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-10	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	25.6	U	1	25.6	100	ug/L	07/16/25 12:30	07/17/25 14:45	6010D	SW3050
7440-39-3	Barium	1420		1	72.8	500	ug/L	07/16/25 12:30	07/17/25 14:45	6010D	SW3050
7440-43-9	Cadmium	21.1	J	1	2.50	30.0	ug/L	07/16/25 12:30	07/17/25 14:45	6010D	SW3050
7440-47-3	Chromium	10.6	U	1	10.6	50.0	ug/L	07/16/25 12:30	07/17/25 14:45	6010D	SW3050
7439-92-1	Lead	2150		1	11.5	60.0	ug/L	07/16/25 12:30	07/17/25 14:45	6010D	SW3050
7439-97-6	Mercury	0.76	UN	1	0.76	2.00	ug/L	07/16/25 14:40	07/17/25 10:55	7470A	
7782-49-2	Selenium	48.2	U	1	48.2	100	ug/L	07/16/25 12:30	07/17/25 14:45	6010D	SW3050
7440-22-4	Silver	8.10	U	1	8.10	50.0	ug/L	07/16/25 12:30	07/17/25 14:45	6010D	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	TCLP-FULL				

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
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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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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: T&A Construction Inc **SDG No.:** Q2600

Contract: TACO01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB31	Mercury	0.076	+/-0.2	U	0.20	CV	07/17/2025	10:12	LB136516

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: T&A Construction Inc **SDG No.:** Q2600

Contract: TACO01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB18	Mercury	0.076	+/-0.2	U	0.20	CV	07/17/2025	10:21	LB136516
CCB19	Mercury	0.076	+/-0.2	U	0.20	CV	07/17/2025	11:05	LB136516
CCB20	Mercury	0.076	+/-0.2	U	0.20	CV	07/17/2025	11:35	LB136516
CCB21	Mercury	0.076	+/-0.2	U	0.20	CV	07/17/2025	11:55	LB136516

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: T&A Construction Inc **SDG No.:** Q2600

Contract: TACO01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	5.12	+/-10	U	20.0	P	07/17/2025	13:41	LB136533
	Barium	14.6	+/-50	U	100	P	07/17/2025	13:41	LB136533
	Cadmium	0.50	+/-3	U	6.00	P	07/17/2025	13:41	LB136533
	Chromium	2.12	+/-5	U	10.0	P	07/17/2025	13:41	LB136533
	Lead	2.30	+/-6	U	12.0	P	07/17/2025	13:41	LB136533
	Selenium	9.64	+/-10	U	20.0	P	07/17/2025	13:41	LB136533
	Silver	1.62	+/-5	U	10.0	P	07/17/2025	13:41	LB136533

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: T&A Construction Inc **SDG No.:** Q2600

Contract: TACO01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	5.12	+/-10	U	20.0	P	07/17/2025	14:25	LB136533
	Barium	14.6	+/-50	U	100	P	07/17/2025	14:25	LB136533
	Cadmium	0.50	+/-3	U	6.00	P	07/17/2025	14:25	LB136533
	Chromium	2.12	+/-5	U	10.0	P	07/17/2025	14:25	LB136533
	Lead	2.30	+/-6	U	12.0	P	07/17/2025	14:25	LB136533
	Selenium	9.64	+/-10	U	20.0	P	07/17/2025	14:25	LB136533
	Silver	1.62	+/-5	U	10.0	P	07/17/2025	14:25	LB136533
CCB02	Arsenic	5.12	+/-10	U	20.0	P	07/17/2025	15:02	LB136533
	Barium	14.6	+/-50	U	100	P	07/17/2025	15:02	LB136533
	Cadmium	0.50	+/-3	U	6.00	P	07/17/2025	15:02	LB136533
	Chromium	2.12	+/-5	U	10.0	P	07/17/2025	15:02	LB136533
	Lead	2.30	+/-6	U	12.0	P	07/17/2025	15:02	LB136533
	Selenium	9.64	+/-10	U	20.0	P	07/17/2025	15:02	LB136533
	Silver	1.62	+/-5	U	10.0	P	07/17/2025	15:02	LB136533
CCB03	Arsenic	5.12	+/-10	U	20.0	P	07/17/2025	15:56	LB136533
	Barium	14.6	+/-50	U	100	P	07/17/2025	15:56	LB136533
	Cadmium	0.50	+/-3	U	6.00	P	07/17/2025	15:56	LB136533
	Chromium	2.12	+/-5	U	10.0	P	07/17/2025	15:56	LB136533
	Lead	2.30	+/-6	U	12.0	P	07/17/2025	15:56	LB136533
	Selenium	9.64	+/-10	U	20.0	P	07/17/2025	15:56	LB136533
	Silver	1.62	+/-5	U	10.0	P	07/17/2025	15:56	LB136533
CCB04	Arsenic	5.12	+/-10	U	20.0	P	07/17/2025	16:46	LB136533
	Barium	14.6	+/-50	U	100	P	07/17/2025	16:46	LB136533
	Cadmium	0.50	+/-3	U	6.00	P	07/17/2025	16:46	LB136533
	Chromium	2.12	+/-5	U	10.0	P	07/17/2025	16:46	LB136533
	Lead	2.30	+/-6	U	12.0	P	07/17/2025	16:46	LB136533
	Selenium	9.64	+/-10	U	20.0	P	07/17/2025	16:46	LB136533
	Silver	1.62	+/-5	U	10.0	P	07/17/2025	16:46	LB136533
CCB05	Arsenic	5.12	+/-10	U	20.0	P	07/17/2025	18:02	LB136533
	Barium	14.6	+/-50	U	100	P	07/17/2025	18:02	LB136533
	Cadmium	0.50	+/-3	U	6.00	P	07/17/2025	18:02	LB136533
	Chromium	2.12	+/-5	U	10.0	P	07/17/2025	18:02	LB136533
	Lead	2.30	+/-6	U	12.0	P	07/17/2025	18:02	LB136533
	Selenium	9.64	+/-10	U	20.0	P	07/17/2025	18:02	LB136533
	Silver	1.62	+/-5	U	10.0	P	07/17/2025	18:02	LB136533
CCB06	Arsenic	5.12	+/-10	U	20.0	P	07/17/2025	19:28	LB136533
	Barium	14.6	+/-50	U	100	P	07/17/2025	19:28	LB136533
	Cadmium	0.50	+/-3	U	6.00	P	07/17/2025	19:28	LB136533
	Chromium	2.12	+/-5	U	10.0	P	07/17/2025	19:28	LB136533

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: T&A Construction Inc **SDG No.:** Q2600

Contract: TACO01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Lead	2.30	+/-6	U	12.0	P	07/17/2025	19:28	LB136533
	Selenium	9.64	+/-10	U	20.0	P	07/17/2025	19:28	LB136533
	Silver	1.62	+/-5	U	10.0	P	07/17/2025	19:28	LB136533
CCB07	Arsenic	5.12	+/-10	U	20.0	P	07/17/2025	20:20	LB136533
	Barium	14.6	+/-50	U	100	P	07/17/2025	20:20	LB136533
	Cadmium	0.50	+/-3	U	6.00	P	07/17/2025	20:20	LB136533
	Chromium	2.12	+/-5	U	10.0	P	07/17/2025	20:20	LB136533
	Lead	2.30	+/-6	U	12.0	P	07/17/2025	20:20	LB136533
	Selenium	9.64	+/-10	U	20.0	P	07/17/2025	20:20	LB136533
	Silver	1.62	+/-5	U	10.0	P	07/17/2025	20:20	LB136533

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: T&A Construction Inc **SDG No.:** Q2600

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
pb168847TB		**WATER**		**Batch Number:**	**PB168893**		**Prep Date:**	**07/16/2025**	
	Mercury	0.76	<2	U	2.00	CV	07/17/2025	11:38	LB136516

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168893BL		**WATER**		**Batch Number:**	**PB168893**		**Prep Date:**	**07/16/2025**	
	Mercury	0.094	<0.2	J	0.20	CV	07/17/2025	10:41	LB136516

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: T&A Construction Inc **SDG No.:** Q2600

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168847TB		**WATER**		**Batch Number:**	**PB168888**		**Prep Date:**	**07/16/2025**	
	Arsenic	25.6	<50	U	100	P	07/17/2025	16:50	LB136533
	Barium	72.8	<250	U	500	P	07/17/2025	16:50	LB136533
	Cadmium	2.50	<15	U	30.0	P	07/17/2025	16:50	LB136533
	Chromium	10.6	<25	U	50.0	P	07/17/2025	16:50	LB136533
	Lead	11.5	<30	U	60.0	P	07/17/2025	16:50	LB136533
	Selenium	48.2	<50	U	100	P	07/17/2025	16:50	LB136533
	Silver	8.10	<25	U	50.0	P	07/17/2025	16:50	LB136533

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168888BL		**WATER**		**Batch Number:**	**PB168888**		**Prep Date:**	**07/16/2025**	
	Arsenic	25.6	<50	U	100	P	07/17/2025	16:33	LB136533
	Barium	72.8	<250	U	500	P	07/17/2025	16:33	LB136533
	Cadmium	2.50	<15	U	30.0	P	07/17/2025	16:33	LB136533
	Chromium	10.6	<25	U	50.0	P	07/17/2025	16:33	LB136533
	Lead	11.5	<30	U	60.0	P	07/17/2025	16:33	LB136533
	Selenium	48.2	<50	U	100	P	07/17/2025	16:33	LB136533
	Silver	8.10	<25	U	50.0	P	07/17/2025	16:33	LB136533

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: T&A Construction Inc

SDG No.: Q2600

Contract: TACO01

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
ICV31	Mercury	3.70	4.0	92	90 - 110	CV	07/17/2025	10:07	LB136516

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: T&A Construction Inc

SDG No.: Q2600

Contract: TACO01

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
CCV18	Mercury	5.00	5.0	100	90 - 110	CV	07/17/2025	10:14	LB136516
CCV19	Mercury	5.17	5.0	103	90 - 110	CV	07/17/2025	11:03	LB136516
CCV20	Mercury	5.33	5.0	106	90 - 110	CV	07/17/2025	11:30	LB136516
CCV21	Mercury	5.21	5.0	104	90 - 110	CV	07/17/2025	11:53	LB136516

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: T&A Construction Inc **SDG No.:** Q2600

Contract: TACO01 **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	Arsenic	3980	4000	100	90 - 110	P	07/17/2025	13:30	LB136533
	Barium	8280	8000	104	90 - 110	P	07/17/2025	13:30	LB136533
	Cadmium	1980	2000	99	90 - 110	P	07/17/2025	13:30	LB136533
	Chromium	865	800	108	90 - 110	P	07/17/2025	13:30	LB136533
	Lead	3890	4000	97	90 - 110	P	07/17/2025	13:30	LB136533
	Selenium	4020	4000	101	90 - 110	P	07/17/2025	13:30	LB136533
	Silver	1070	1000	107	90 - 110	P	07/17/2025	13:30	LB136533

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: T&A Construction Inc **SDG No.:** Q2600

Contract: TACO01 **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	Arsenic	23.3	20.0	117	80 - 120	P	07/17/2025	13:37	LB136533
	Barium	104	100	104	80 - 120	P	07/17/2025	13:37	LB136533
	Cadmium	5.95	6.0	99	80 - 120	P	07/17/2025	13:37	LB136533
	Chromium	9.40	10.0	94	80 - 120	P	07/17/2025	13:37	LB136533
	Lead	9.70	12.0	81	80 - 120	P	07/17/2025	13:37	LB136533
	Selenium	19.4	20.0	97	80 - 120	P	07/17/2025	13:37	LB136533
	Silver	11.0	10.0	110	80 - 120	P	07/17/2025	13:37	LB136533

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: T&A Construction Inc **SDG No.:** Q2600

Contract: TACO01 **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	Arsenic	5140	5000	103	90 - 110	P	07/17/2025	14:20	LB136533
	Barium	10400	10000	104	90 - 110	P	07/17/2025	14:20	LB136533
	Cadmium	2480	2500	99	90 - 110	P	07/17/2025	14:20	LB136533
	Chromium	948	1000	95	90 - 110	P	07/17/2025	14:20	LB136533
	Lead	4940	5000	99	90 - 110	P	07/17/2025	14:20	LB136533
	Selenium	5190	5000	104	90 - 110	P	07/17/2025	14:20	LB136533
	Silver	1270	1250	101	90 - 110	P	07/17/2025	14:20	LB136533
CCV02	Arsenic	5110	5000	102	90 - 110	P	07/17/2025	14:58	LB136533
	Barium	10600	10000	106	90 - 110	P	07/17/2025	14:58	LB136533
	Cadmium	2440	2500	98	90 - 110	P	07/17/2025	14:58	LB136533
	Chromium	947	1000	95	90 - 110	P	07/17/2025	14:58	LB136533
	Lead	4870	5000	97	90 - 110	P	07/17/2025	14:58	LB136533
	Selenium	5190	5000	104	90 - 110	P	07/17/2025	14:58	LB136533
	Silver	1290	1250	103	90 - 110	P	07/17/2025	14:58	LB136533
CCV03	Arsenic	5100	5000	102	90 - 110	P	07/17/2025	15:50	LB136533
	Barium	10500	10000	105	90 - 110	P	07/17/2025	15:50	LB136533
	Cadmium	2440	2500	98	90 - 110	P	07/17/2025	15:50	LB136533
	Chromium	940	1000	94	90 - 110	P	07/17/2025	15:50	LB136533
	Lead	4870	5000	98	90 - 110	P	07/17/2025	15:50	LB136533
	Selenium	5160	5000	103	90 - 110	P	07/17/2025	15:50	LB136533
	Silver	1270	1250	102	90 - 110	P	07/17/2025	15:50	LB136533
CCV04	Arsenic	5100	5000	102	90 - 110	P	07/17/2025	16:42	LB136533
	Barium	10400	10000	104	90 - 110	P	07/17/2025	16:42	LB136533
	Cadmium	2430	2500	97	90 - 110	P	07/17/2025	16:42	LB136533
	Chromium	923	1000	92	90 - 110	P	07/17/2025	16:42	LB136533
	Lead	4850	5000	97	90 - 110	P	07/17/2025	16:42	LB136533
	Selenium	5170	5000	103	90 - 110	P	07/17/2025	16:42	LB136533
	Silver	1250	1250	100	90 - 110	P	07/17/2025	16:42	LB136533
CCV05	Arsenic	5040	5000	101	90 - 110	P	07/17/2025	17:58	LB136533
	Barium	10700	10000	108	90 - 110	P	07/17/2025	17:58	LB136533
	Cadmium	2410	2500	96	90 - 110	P	07/17/2025	17:58	LB136533
	Chromium	933	1000	93	90 - 110	P	07/17/2025	17:58	LB136533
	Lead	4860	5000	97	90 - 110	P	07/17/2025	17:58	LB136533
	Selenium	5120	5000	102	90 - 110	P	07/17/2025	17:58	LB136533

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: T&A Construction Inc **SDG No.:** Q2600

Contract: TACO01 **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
CCV05	Silver	1280	1250	102	90 - 110	P	07/17/2025	17:58	LB136533
CCV06	Arsenic	5060	5000	101	90 - 110	P	07/17/2025	19:24	LB136533
	Barium	10400	10000	104	90 - 110	P	07/17/2025	19:24	LB136533
	Cadmium	2430	2500	97	90 - 110	P	07/17/2025	19:24	LB136533
	Chromium	909	1000	91	90 - 110	P	07/17/2025	19:24	LB136533
	Lead	4870	5000	97	90 - 110	P	07/17/2025	19:24	LB136533
	Selenium	5120	5000	102	90 - 110	P	07/17/2025	19:24	LB136533
	Silver	1250	1250	100	90 - 110	P	07/17/2025	19:24	LB136533
CCV07	Arsenic	5000	5000	100	90 - 110	P	07/17/2025	20:16	LB136533
	Barium	10400	10000	104	90 - 110	P	07/17/2025	20:16	LB136533
	Cadmium	2410	2500	96	90 - 110	P	07/17/2025	20:16	LB136533
	Chromium	924	1000	92	90 - 110	P	07/17/2025	20:16	LB136533
	Lead	4830	5000	97	90 - 110	P	07/17/2025	20:16	LB136533
	Selenium	5040	5000	101	90 - 110	P	07/17/2025	20:16	LB136533
	Silver	1250	1250	100	90 - 110	P	07/17/2025	20:16	LB136533

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Metals

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CRDL STANDARD FOR AA & ICP

Client: T&A Construction Inc **SDG No.:** Q2600

Contract: TACO01 **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
CRA	Mercury	0.23	0.2	116	70 - 130	CV	07/17/2025	10:26	LB136516
CRI01	Arsenic	18.9	20.0	95	65 - 135	P	07/17/2025	13:46	LB136533
	Barium	103	100	103	65 - 135	P	07/17/2025	13:46	LB136533
	Cadmium	5.94	6.0	99	65 - 135	P	07/17/2025	13:46	LB136533
	Chromium	9.06	10.0	91	65 - 135	P	07/17/2025	13:46	LB136533
	Lead	11.1	12.0	92	65 - 135	P	07/17/2025	13:46	LB136533
	Selenium	18.7	20.0	94	65 - 135	P	07/17/2025	13:46	LB136533
	Silver	10.8	10.0	108	65 - 135	P	07/17/2025	13:46	LB136533

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INTERFERENCE CHECK SAMPLE

Client: T&A Construction Inc **SDG No.:** Q2600

Contract: TACO01 **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	Arsenic	9.77			-20	20	07/17/2025	13:51	LB136533
	Barium	1.77	6.0	30	-94	106	07/17/2025	13:51	LB136533
	Cadmium	-1.32	1.0	132	-5	7	07/17/2025	13:51	LB136533
	Chromium	51.4	52.0	99	42	62	07/17/2025	13:51	LB136533
	Lead	-4.86			-12	12	07/17/2025	13:51	LB136533
	Selenium	10.3			-20	20	07/17/2025	13:51	LB136533
	Silver	2.71			-10	10	07/17/2025	13:51	LB136533
ICSAB01	Arsenic	109	104	105	88.4	120	07/17/2025	13:56	LB136533
	Barium	520	537	97	437	637	07/17/2025	13:56	LB136533
	Cadmium	976	972	100	826	1120	07/17/2025	13:56	LB136533
	Chromium	512	542	94	460	624	07/17/2025	13:56	LB136533
	Lead	41.1	49.0	84	37	61	07/17/2025	13:56	LB136533
	Selenium	57.8	46.0	126	26	66	07/17/2025	13:56	LB136533
	Silver	218	201	108	170	232	07/17/2025	13:56	LB136533

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: T&A Construction Inc **level:** low **sdg no.:** Q2600

contract: TACO01 **lab code:** ACE

matrix: Water **sample id:** Q2614-06 **client id:** HR-MCN-COMP-01MS

Percent Solids for Sample: NA **Spiked ID:** Q2614-06MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	4090		100	U	4000	102		P
Barium	ug/L	75 - 125	2000		777		1000	122		P
Cadmium	ug/L	75 - 125	964		30.0	U	1000	96		P
Chromium	ug/L	75 - 125	1800		50.0	U	2000	90		P
Lead	ug/L	75 - 125	4620		60.0	U	5000	92		P
Mercury	ug/L	75 - 125	26.6		2.00	U	40.0	66	N	CV
Selenium	ug/L	75 - 125	10400		100	U	10000	104		P
Silver	ug/L	75 - 125	378		50.0	U	380	100		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: T&A Construction Inc **level:** low **sdg no.:** Q2600

contract: TACO01 **lab code:** ACE

matrix: Water **sample id:** Q2614-06 **client id:** HR-MCN-COMP-01MSD

Percent Solids for Sample: NA **Spiked ID:** Q2614-06MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	4040		100	U	4000	101		P
Barium	ug/L	75 - 125	1930		777		1000	115		P
Cadmium	ug/L	75 - 125	945		30.0	U	1000	94		P
Chromium	ug/L	75 - 125	1780		50.0	U	2000	89		P
Lead	ug/L	75 - 125	4520		60.0	U	5000	90		P
Mercury	ug/L	75 - 125	31.5		2.00	U	40.0	79		CV
Selenium	ug/L	75 - 125	10200		100	U	10000	102		P
Silver	ug/L	75 - 125	371		50.0	U	380	98		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: T&A Construction Inc **SDG No.:** Q2600

Contract: TACO01 **Lab Code:** ACE

Matrix: Water **Level:** LOW **Client ID:** HR-MCN-COMP-01A

Sample ID: Q2614-06 **Spiked ID:** Q2614-06A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	42.6		2.00	U	40.0	106		CV

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: T&A Construction Inc **Level:** LOW **SDG No.:** Q2600

Contract: TACO01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2614-06 **Client ID:** HR-MCN-COMP-01DUP

Percent Solids for Sample: NA **Duplicate ID** Q2614-06DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	100	U	100	U			P
Barium	ug/L	20	777		795		2		P
Cadmium	ug/L	20	30.0	U	30.0	U			P
Chromium	ug/L	20	50.0	U	50.0	U			P
Lead	ug/L	20	60.0	U	11.8	J	200.0		P
Mercury	ug/L	20	2.00	U	2.00	U			CV
Selenium	ug/L	20	100	U	100	U			P
Silver	ug/L	20	50.0	U	50.0	U			P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: T&A Construction Inc **Level:** LOW **SDG No.:** Q2600

Contract: TACO01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2614-06MS **Client ID:** HR-MCN-COMP-01MSD

Percent Solids for Sample: NA **Duplicate ID** Q2614-06MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	4090		4040		1		P
Barium	ug/L	20	2000		1930		4		P
Cadmium	ug/L	20	964		945		2		P
Chromium	ug/L	20	1800		1780		1		P
Lead	ug/L	20	4620		4520		2		P
Mercury	ug/L	20	26.6		31.5		17		CV
Selenium	ug/L	20	10400		10200		2		P
Silver	ug/L	20	378		371		2		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: T&A Construction Inc **SDG No.:** Q2600

Contract: TACO01 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168888BS							
Arsenic	ug/L	4000	4070		102	80 - 120	P
Barium	ug/L	1000	1050		105	80 - 120	P
Cadmium	ug/L	1000	968		97	80 - 120	P
Chromium	ug/L	2000	1850		92	80 - 120	P
Lead	ug/L	5000	4810		96	80 - 120	P
Selenium	ug/L	10000	10400		104	80 - 120	P
Silver	ug/L	380	384		101	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: T&A Construction Inc **SDG No.:** Q2600

Contract: TACO01 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168893BS							
Mercury	ug/L	4.0	4.48		112	80 - 120	CV

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ICP SERIAL DILUTIONS

SAMPLE NO.

HR-MCN-COMP-01L

Lab Name: Alliance **Contract:** TACO01

Lab Code: ACE **Lb No.:** lb136533 **Lab Sample ID :** Q2614-06L **SDG No.:** Q2600

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic	100	U	500	U			P
Barium	777		753	J	3		P
Cadmium	30.0	U	150	U			P
Chromium	50.0	U	250	U			P
Lead	60.0	U	300	U			P
Mercury	2.00	U	10.0	U			CV
Selenium	100	U	500	U			P
Silver	50.0	U	250	U			P

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ANALYSIS RUN LOG

Client: T&A Construction Inc **Contract:** TACO01

Lab code: ACE **Sdg no.:** Q2600

Instrument id number: **Method:** **Run number:** LB136516

Start date: 07/17/2025 **End date:** 07/17/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0953	HG
S0.2	S0.2	1	0955	HG
S2.5	S2.5	1	0957	HG
S5	S5	1	1000	HG
S7.5	S7.5	1	1002	HG
S10	S10	1	1004	HG
ICV31	ICV31	1	1007	HG
ICB31	ICB31	1	1012	HG
CCV18	CCV18	1	1014	HG
CCB18	CCB18	1	1021	HG
CRA	CRA	1	1026	HG
PB168893BL	PB168893BL	1	1041	HG
PB168893BS	PB168893BS	1	1046	HG
Q2600-02	TRENCH	1	1050	HG
Q2600-06	STOCK-PILE	1	1052	HG
Q2600-10	END-OF-TRENCH	1	1055	HG
CCV19	CCV19	1	1103	HG
CCB19	CCB19	1	1105	HG
Q2614-06DUP	HR-MCN-COMP-01DUP	1	1121	HG
Q2614-06MS	HR-MCN-COMP-01MS	1	1123	HG
Q2614-06MSD	HR-MCN-COMP-01MSD	1	1125	HG
CCV20	CCV20	1	1130	HG
CCB20	CCB20	1	1135	HG
pb168847TB	pb168847TB	1	1138	HG
Q2614-06L	HR-MCN-COMP-01L	5	1140	HG
Q2614-06A	HR-MCN-COMP-01A	1	1142	HG
CCV21	CCV21	1	1153	HG
CCB21	CCB21	1	1155	HG

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ANALYSIS RUN LOG

Client: T&A Construction Inc **Contract:** TACO01

Lab code: ACE **Sdg no.:** Q2600

Instrument id number: **Method:** **Run number:** LB136533

Start date: 07/17/2025 **End date:** 07/17/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1305	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1309	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1313	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1318	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1322	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1326	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1330	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1337	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1341	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1346	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1351	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1356	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1420	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1425	Ag,As,Ba,Cd,Cr,Pb,Se
Q2600-02	TRENCH	1	1436	Ag,As,Ba,Cd,Cr,Pb,Se
Q2600-06	STOCK-PILE	1	1441	Ag,As,Ba,Cd,Cr,Pb,Se
Q2600-10	END-OF-TRENCH	1	1445	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1458	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1502	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1550	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1556	Ag,As,Ba,Cd,Cr,Pb,Se
Q2614-06DUP	HR-MCN-COMP-01DUP	1	1612	Ag,As,Ba,Cd,Cr,Pb,Se
Q2614-06L	HR-MCN-COMP-01L	5	1617	Ag,As,Ba,Cd,Cr,Pb,Se
Q2614-06MS	HR-MCN-COMP-01MS	1	1621	Ag,As,Ba,Cd,Cr,Pb,Se
Q2614-06MSD	HR-MCN-COMP-01MSD	1	1625	Ag,As,Ba,Cd,Cr,Pb,Se
PB168888BL	PB168888BL	1	1633	Ag,As,Ba,Cd,Cr,Pb,Se
PB168888BS	PB168888BS	1	1638	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1642	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1646	Ag,As,Ba,Cd,Cr,Pb,Se
PB168847TB	PB168847TB	1	1650	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1758	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1802	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	1924	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	1928	Ag,As,Ba,Cd,Cr,Pb,Se
CCV07	CCV07	1	2016	Ag,As,Ba,Cd,Cr,Pb,Se
CCB07	CCB07	1	2020	Ag,As,Ba,Cd,Cr,Pb,Se

METAL PREPARATION & INSTRUMENT DATA

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ICP INTERELEMENT CORRECTION FACTORS

Client: T&A Construction Inc **SDG No.:** Q2600

Contract: TACO01 **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
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
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	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

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ICP INTERELEMENT CORRECTION FACTORS

Client: T&A Construction Inc **SDG No.:** Q2600

Contract: TACO01 **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
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
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0003170	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

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: T&A Construction Inc **SDG No.:** Q2600

Contract: TACO01 **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
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
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
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

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: T&A Construction Inc **SDG No.:** Q2600

Contract: TACO01 **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
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
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
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

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: T&A Construction Inc **SDG No.:** Q2600

Contract: TACO01 **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
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
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Lead	220.353	0.0000000	-0.0003610	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

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LAB CHRONICLE

OrderID:	Q2600	**OrderDate:**	7/14/2025 2:21:01 PM
Client:	T&A Construction Inc	**Project:**	Kingsland Point Park Water Main
Contact:	Garrett Johnson	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2600-01	**TRENCH**	**SOIL**			**07/14/25**			**07/14/25**
			Mercury	7471B		07/15/25	07/16/25	
			Metals ICP-TAL	6010D		07/14/25	07/17/25	
Q2600-02	**TRENCH**	**TCLP**			**07/14/25**			**07/14/25**
			TCLP ICP Metals	6010D		07/16/25	07/17/25	
			TCLP Mercury	7470A		07/16/25	07/17/25	
Q2600-05	**STOCK-PILE**	**SOIL**			**07/14/25**			**07/14/25**
			Mercury	7471B		07/15/25	07/16/25	
			Metals ICP-TAL	6010D		07/14/25	07/17/25	
Q2600-06	**STOCK-PILE**	**TCLP**			**07/14/25**			**07/14/25**
			TCLP ICP Metals	6010D		07/16/25	07/17/25	
			TCLP Mercury	7470A		07/16/25	07/17/25	
Q2600-09	**END-OF-TRENCH**	**SOIL**			**07/14/25**			**07/14/25**
			Mercury	7471B		07/15/25	07/16/25	
			Metals ICP-TAL	6010D		07/14/25	07/17/25	
Q2600-10	**END-OF-TRENCH**	**TCLP**			**07/14/25**			**07/14/25**
			TCLP ICP Metals	6010D		07/16/25	07/17/25	
			TCLP Mercury	7470A		07/16/25	07/17/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: T&A Construction Inc **SDG No.:** Q2600

Contract: TACO01 **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:	**PB168888**						
PB168847TB	PB168847TB	MB	WATER	07/16/2025	5.0	25.0	
PB168888BL	PB168888BL	MB	WATER	07/16/2025	5.0	25.0	
PB168888BS	PB168888BS	LCS	WATER	07/16/2025	5.0	25.0	
Q2600-02	TRENCH	SAM	WATER	07/16/2025	5.0	25.0	
Q2600-06	STOCK-PILE	SAM	WATER	07/16/2025	5.0	25.0	
Q2600-10	END-OF-TRENCH	SAM	WATER	07/16/2025	5.0	25.0	
Q2614-06DUP	HR-MCN-COMP-01DUP	DUP	WATER	07/16/2025	5.0	25.0	
Q2614-06MS	HR-MCN-COMP-01MS	MS	WATER	07/16/2025	5.0	25.0	
Q2614-06MSD	HR-MCN-COMP-01MSD	MSD	WATER	07/16/2025	5.0	25.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: T&A Construction Inc **SDG No.:** Q2600

Contract: TACO01 **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:	**PB168893**						
pb168847TB	pb168847TB	MB	WATER	07/16/2025	3.0	30.0	
PB168893BL	PB168893BL	MB	WATER	07/16/2025	30.0	30.0	
PB168893BS	PB168893BS	LCS	WATER	07/16/2025	30.0	30.0	
Q2600-02	TRENCH	SAM	WATER	07/16/2025	3.0	30.0	
Q2600-06	STOCK-PILE	SAM	WATER	07/16/2025	3.0	30.0	
Q2600-10	END-OF-TRENCH	SAM	WATER	07/16/2025	3.0	30.0	
Q2614-06DUP	HR-MCN-COMP-01DUP	DUP	WATER	07/16/2025	3.0	30.0	
Q2614-06MS	HR-MCN-COMP-01MS	MS	WATER	07/16/2025	3.0	30.0	
Q2614-06MSD	HR-MCN-COMP-01MSD	MSD	WATER	07/16/2025	3.0	30.0	

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136516

Review By	MOHAN	Review On	7/18/2025 8:57:07 AM
Supervise By	jaswal	Supervise On	7/18/2025 9:17:09 AM

STD. NAME	STD REF.#
ICAL Standard	MP86388,MP86389,MP86390,MP86391,MP86392,MP86393
ICV Standard	MP86394
CCV Standard	MP86396
ICSA Standard	
CRI Standard	MP86398
LCS Standard	
Chk Standard	MP86395,MP86397,MP86399,MP86405

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	07/17/25 09:53		MOHAN	OK
2	S0.2	S0.2	CAL2	07/17/25 09:55		MOHAN	OK
3	S2.5	S2.5	CAL3	07/17/25 09:57		MOHAN	OK
4	S5	S5	CAL4	07/17/25 10:00		MOHAN	OK
5	S7.5	S7.5	CAL5	07/17/25 10:02		MOHAN	OK
6	S10	S10	CAL6	07/17/25 10:04		MOHAN	OK
7	ICV31	ICV31	ICV	07/17/25 10:07		MOHAN	OK
8	ICB31	ICB31	ICB	07/17/25 10:12		MOHAN	OK
9	CCV18	CCV18	CCV	07/17/25 10:14		MOHAN	OK
10	CCB18	CCB18	CCB	07/17/25 10:21		MOHAN	OK
11	CRA	CRA	CRDL	07/17/25 10:26		MOHAN	OK
12	HighStd	HighStd	HIGH STD	07/17/25 10:33		MOHAN	OK
13	ChkStd	ChkStd	SAM	07/17/25 10:36		MOHAN	OK
14	PB168893BL	PB168893BL	MB	07/17/25 10:41		MOHAN	OK
15	PB168893BS	PB168893BS	LCS	07/17/25 10:46		MOHAN	OK
16	Q2592-02	WC-SOIL-20250711	SAM	07/17/25 10:48		MOHAN	OK
17	Q2600-02	TRENCH	SAM	07/17/25 10:50		MOHAN	OK
18	Q2600-06	STOCK-PILE	SAM	07/17/25 10:52		MOHAN	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136516

Review By	MOHAN	Review On	7/18/2025 8:57:07 AM
Supervise By	jaswal	Supervise On	7/18/2025 9:17:09 AM

STD. NAME	STD REF.#
ICAL Standard	MP86388,MP86389,MP86390,MP86391,MP86392,MP86393
ICV Standard	MP86394
CCV Standard	MP86396
ICSA Standard	
CRI Standard	MP86398
LCS Standard	
Chk Standard	MP86395,MP86397,MP86399,MP86405

19	Q2600-10	END-OF-TRENCH	SAM	07/17/25 10:55		MOHAN	OK
20	Q2605-01	V908	SAM	07/17/25 10:57		MOHAN	OK
21	CCV19	CCV19	CCV	07/17/25 11:03		MOHAN	OK
22	CCB19	CCB19	CCB	07/17/25 11:05		MOHAN	OK
23	Q2605-02	VB16135	SAM	07/17/25 11:07		MOHAN	OK
24	Q2605-03	VB15061	SAM	07/17/25 11:09		MOHAN	OK
25	Q2605-04	V897	SAM	07/17/25 11:12		MOHAN	OK
26	Q2609-02	710-ABC	SAM	07/17/25 11:14		MOHAN	OK
27	Q2609-06	709-AB	SAM	07/17/25 11:16		MOHAN	OK
28	Q2614-06	HR-MCN-COMP-01	SAM	07/17/25 11:18		MOHAN	OK
29	Q2614-06DUP	HR-MCN-COMP-01D	DUP	07/17/25 11:21		MOHAN	OK
30	Q2614-06MS	HR-MCN-COMP-01M	MS	07/17/25 11:23		MOHAN	OK
31	Q2614-06MSD	HR-MCN-COMP-01M	MSD	07/17/25 11:25		MOHAN	OK
32	CCV20	CCV20	CCV	07/17/25 11:30		MOHAN	OK
33	CCB20	CCB20	CCB	07/17/25 11:35		MOHAN	OK
34	pb168847TB	pb168847TB	MB	07/17/25 11:38		MOHAN	OK
35	Q2614-06L	HR-MCN-COMP-01L	SD	07/17/25 11:40		MOHAN	OK
36	Q2614-06A	HR-MCN-COMP-01A	PS	07/17/25 11:42		MOHAN	OK
37	CCV21	CCV21	CCV	07/17/25 11:53		MOHAN	OK
38	CCB21	CCB21	CCB	07/17/25 11:55		MOHAN	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136533

Review By	Janvi	Review On	7/18/2025 11:48:20 AM
Supervise By	jaswal	Supervise On	7/21/2025 4:45:05 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86213
CCV Standard	MP86216
ICSA Standard	MP86214,MP86215
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	07/17/25 13:05		Jaswal	OK
2	S1	S1	CAL2	07/17/25 13:09		Jaswal	OK
3	S2	S2	CAL3	07/17/25 13:13		Jaswal	OK
4	S3	S3	CAL4	07/17/25 13:18		Jaswal	OK
5	S4	S4	CAL5	07/17/25 13:22		Jaswal	OK
6	S5	S5	CAL6	07/17/25 13:26		Jaswal	OK
7	ICV01	ICV01	ICV	07/17/25 13:30	Sb,Cr,Fe,Ag,Tl Fail For (95-105)	Jaswal	OK
8	LLICV01	LLICV01	LLICV	07/17/25 13:37		Jaswal	OK
9	ICB01	ICB01	ICB	07/17/25 13:41		Jaswal	OK
10	CRI01	CRI01	CRDL	07/17/25 13:46		Jaswal	OK
11	ICSA01	ICSA01	ICSA	07/17/25 13:51		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	07/17/25 13:56		Jaswal	OK
13	ICSADL	ICSADL	ICSA	07/17/25 14:01		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	07/17/25 14:05		Jaswal	OK
15	CCV01	CCV01	CCV	07/17/25 14:20		Jaswal	OK
16	CCB01	CCB01	CCB	07/17/25 14:25		Jaswal	OK
17	Q2606-01	402	SAM	07/17/25 14:32		Jaswal	OK
18	Q2600-02	TRENCH	SAM	07/17/25 14:36		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136533

Review By	Janvi	Review On	7/18/2025 11:48:20 AM
Supervise By	jaswal	Supervise On	7/21/2025 4:45:05 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86213
CCV Standard	MP86216
ICSA Standard	MP86214,MP86215
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

19	Q2600-06	STOCK-PILE	SAM	07/17/25 14:41		Jaswal	OK
20	Q2600-10	END-OF-TRENCH	SAM	07/17/25 14:45		Jaswal	OK
21	Q2611-01	EO-02-071525	SAM	07/17/25 14:49		Jaswal	OK
22	Q2622-01	2819	SAM	07/17/25 14:54		Jaswal	OK
23	CCV02	CCV02	CCV	07/17/25 14:58		Jaswal	OK
24	CCB02	CCB02	CCB	07/17/25 15:02		Jaswal	OK
25	Q2592-02	WC-SOIL-20250711	SAM	07/17/25 15:07		Jaswal	OK
26	Q2614-06	HR-MCN-COMP-01	SAM	07/17/25 15:12		Jaswal	OK
27	Q2612-01	OR-02-071525	SAM	07/17/25 15:16		Jaswal	OK
28	Q2614-01RE	HR-MCN-COMP-01RI	SAM	07/17/25 15:20	Not Use	Jaswal	Not Ok
29	Q2608-01	A2028	SAM	07/17/25 15:24		Jaswal	OK
30	Q2585-04	EFF-WW	SAM	07/17/25 15:29		Jaswal	OK
31	Q2606-01DUP	402DUP	DUP	07/17/25 15:33		Jaswal	OK
32	Q2606-01L	402L	SD	07/17/25 15:37		Jaswal	OK
33	Q2606-01MS	402MS	MS	07/17/25 15:42		Jaswal	OK
34	Q2606-01MSD	402MSD	MSD	07/17/25 15:46		Jaswal	OK
35	CCV03	CCV03	CCV	07/17/25 15:50		Jaswal	OK
36	CCB03	CCB03	CCB	07/17/25 15:56		Jaswal	OK
37	Q2606-01A	402A	PS	07/17/25 16:00		Jaswal	OK
38	PB168881BL	PB168881BL	MB	07/17/25 16:04		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136533

Review By	Janvi	Review On	7/18/2025 11:48:20 AM
Supervise By	jaswal	Supervise On	7/21/2025 4:45:05 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86213
CCV Standard	MP86216
ICSA Standard	MP86214,MP86215
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

39	PB168881BS	PB168881BS	LCS	07/17/25 16:08		Jaswal	OK
40	Q2614-06DUP	HR-MCN-COMP-01D	DUP	07/17/25 16:12		Jaswal	OK
41	Q2614-06L	HR-MCN-COMP-01L	SD	07/17/25 16:17		Jaswal	OK
42	Q2614-06MS	HR-MCN-COMP-01M	MS	07/17/25 16:21		Jaswal	OK
43	Q2614-06MSD	HR-MCN-COMP-01M	MSD	07/17/25 16:25		Jaswal	OK
44	Q2614-06A	HR-MCN-COMP-01A	PS	07/17/25 16:29	0.1ml of M6004,M6013 in 10ml sample.	Jaswal	OK
45	PB168888BL	PB168888BL	MB	07/17/25 16:33		Jaswal	OK
46	PB168888BS	PB168888BS	LCS	07/17/25 16:38		Jaswal	OK
47	CCV04	CCV04	CCV	07/17/25 16:42		Jaswal	OK
48	CCB04	CCB04	CCB	07/17/25 16:46		Jaswal	OK
49	PB168847TB	PB168847TB	MB	07/17/25 16:50		Jaswal	OK
50	Q2605-01	V908	SAM	07/17/25 16:55		Jaswal	OK
51	Q2605-02	VB16135	SAM	07/17/25 16:59		Jaswal	OK
52	Q2605-03	VB15061	SAM	07/17/25 17:04		Jaswal	OK
53	Q2605-04	V897	SAM	07/17/25 17:08		Jaswal	OK
54	Q2609-02	710-ABC	SAM	07/17/25 17:13		Jaswal	OK
55	Q2609-06	709-AB	SAM	07/17/25 17:17		Jaswal	OK
56	PB168883BL	PB168883BL	MB	07/17/25 17:22		Jaswal	OK
57	PB168883BS	PB168883BS	LCS	07/17/25 17:26		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136533

Review By	Janvi	Review On	7/18/2025 11:48:20 AM
Supervise By	jaswal	Supervise On	7/21/2025 4:45:05 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86213
CCV Standard	MP86216
ICSA Standard	MP86214,MP86215
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

58	Q2604-02	RW8-SP303-2025071	SAM	07/17/25 17:30		Jaswal	OK
59	CCV05	CCV05	CCV	07/17/25 17:58		Jaswal	OK
60	CCB05	CCB05	CCB	07/17/25 18:02		Jaswal	OK
61	Q2604-01	RW8-SP100-2025071	SAM	07/17/25 18:07		Jaswal	OK
62	Q2604-01DUP	RW8-SP100-2025071	DUP	07/17/25 18:11		Jaswal	OK
63	Q2604-01L	RW8-SP100-2025071	SD	07/17/25 18:15		Jaswal	OK
64	Q2604-01MS	RW8-SP100-2025071	MS	07/17/25 18:20		Jaswal	OK
65	Q2604-01MSD	RW8-SP100-2025071	MSD	07/17/25 18:24		Jaswal	OK
66	Q2604-01A	RW8-SP100-2025071	PS	07/17/25 18:28	0.1ml of M6004,M6013 in 10ml sample	Jaswal	OK
67	PB168882BL	PB168882BL	MB	07/17/25 18:31		Jaswal	OK
68	PB168882BS	PB168882BS	LCS	07/17/25 18:54		Jaswal	OK
69	Q2609-01	710-ABC	SAM	07/17/25 19:06	Fe,Zn High , Ag oversaturated	Jaswal	Dilution
70	Q2609-05	709-AB	SAM	07/17/25 19:11	Fe,Zn High , Ag oversaturated	Jaswal	Dilution
71	CCV06	CCV06	CCV	07/17/25 19:24		Jaswal	OK
72	CCB06	CCB06	CCB	07/17/25 19:28		Jaswal	OK
73	Q2609-01DL	710-ABCDL	SAM	07/17/25 19:34	10X For Fe,Ag,Zn	Jaswal	Confirms
74	Q2609-05DL	709-ABDL	SAM	07/17/25 19:38	10X For Fe,Ag,Zn	Jaswal	Confirms
75	Q2614-01	HR-MCN-COMP-01	SAM	07/17/25 19:42		Jaswal	OK
76	Q2614-01DUP	HR-MCN-COMP-01D	DUP	07/17/25 19:46		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136533

Review By	Janvi	Review On	7/18/2025 11:48:20 AM
Supervise By	jaswal	Supervise On	7/21/2025 4:45:05 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86213
CCV Standard	MP86216
ICSA Standard	MP86214,MP86215
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

77	Q2614-01L	HR-MCN-COMP-01L	SD	07/17/25 19:50		Jaswal	OK
78	Q2614-01MS	HR-MCN-COMP-01M	MS	07/17/25 19:54		Jaswal	OK
79	Q2614-01MSD	HR-MCN-COMP-01M	MSD	07/17/25 19:58		Jaswal	OK
80	Q2614-01A	HR-MCN-COMP-01A	PS	07/17/25 20:02		Jaswal	OK
81	CCV07	CCV07	CCV	07/17/25 20:16		Jaswal	OK
82	CCB07	CCB07	CCB	07/17/25 20:20		Jaswal	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB168888

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 07/16/2025 **Time :** 12:30 **Temp :** 96 °C

End Digest Date: 07/16/2025 **Time :** 15:32 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SPS

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6007
LFS-2	0.25	M6015
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6158
1:1 HCL	5.00	MP85156
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#50 96C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/16/25 16:32	SPS met. dig	[illegible]
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB168888

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB168847TB	PB168847TB	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	1
PB168888BL	PBW888	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	2
PB168888BS	LCS888	<2	5	25	Colorless	Colorless	Clear	Clear	M6007,M6015	3
Q2592-02	WC-SOIL-20250711	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	4
Q2600-02	TRENCH	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	5
Q2600-06	STOCK-PILE	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	6
Q2600-10	END-OF-TRENCH	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	7
Q2605-01	V908	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	8
Q2605-02	VB16135	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	9
Q2605-03	VB15061	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	10
Q2605-04	V897	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	11
Q2609-02	710-ABC	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	12
Q2609-06	709-AB	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	13
Q2614-06	HR-MCN-COMP-01	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	14
Q2614-06MS	HR-MCN-COMP-01MS	<2	5	25	Colorless	Colorless	Clear	Clear	M6007,M6015	16
Q2614-06MSD	HR-MCN-COMP-01MSD	<2	5	25	Colorless	Colorless	Clear	Clear	M6007,M6015	17
Q2614-06DUP	HR-MCN-COMP-01DUP	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	15

A B C D E F G H I J

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB168893

SOP ID : M7470A-Mercury-20

SDG No : N/A

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 07/16/2025 **Time :** 14:40 **Temp :** 95 °C

End Digest Date: 07/16/2025 **Time :** 16:40 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature: 12

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP86394
CCV	30mL	MP86396
CRA	30mL	MP86398
Blank Spike	0.48mL	MP86387
Matrix Spike	0.48mL	MP86387

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.25mL	MP85892
KMnO4 (5%)	4.5mL	MP85893
K2S2O8 (5%)	2.4mL	MP85894
Hydroxylamine HCL (12%)	1.8mL	MP85895
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP86388
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP86389
2.5 ppb	S2.5	30mL	MP86390
5.0 ppb	S5.0	30mL	MP86391
7.5 ppb	S7.5	30mL	MP86392
10.0 ppb	S10.0	30mL	MP86393
ICV	ICV	30mL	MP86394
ICB	ICB	30mL	MP86395
CCV	CCV	30mL	MP86396
CCB	CCB	30mL	MP86397
CRI	CRI	30mL	MP86398
CHK STD	CHK STD	30mL	MP86399

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/16/25 @ 17:10	MB - HG, Lab	MB - Mercury Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB168893

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB168847TB	PB168847TB	3	30	<2	N/A	1
PB168893BL	PBW893	30	30	<2	N/A	2
PB168893BS	LCS893	30	30	<2	MP86387	3
Q2592-02	WC-SOIL-20250711	3	30	<2	N/A	4
Q2600-02	TRENCH	3	30	<2	N/A	5
Q2600-06	STOCK-PILE	3	30	<2	N/A	6
Q2600-10	END-OF-TRENCH	3	30	<2	N/A	7
Q2605-01	V908	3	30	<2	N/A	8
Q2605-02	VB16135	3	30	<2	N/A	9
Q2605-03	VB15061	3	30	<2	N/A	10
Q2605-04	V897	3	30	<2	N/A	11
Q2609-02	710-ABC	3	30	<2	N/A	12
Q2609-06	709-AB	3	30	<2	N/A	13
Q2614-06	HR-MCN-COMP-01	3	30	<2	N/A	14
Q2614-06DUP	HR-MCN-COMP-01DUP	3	30	<2	N/A	15
Q2614-06MS	HR-MCN-COMP-01MS	3	30	<2	MP86387	16
Q2614-06MSD	HR-MCN-COMP-01MSD	3	30	<2	MP86387	17

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168847

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1 / T-2

TCLP Filter ID : 115525

Start Prep Date : 07/15/2025 Time : 15:30

End Prep Date : 07/16/2025 Time : 08:15

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : 12

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP112804
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

MATRIX SPIKES are added after fiftration and before preservation. TUMBLER T-1 / T-2 checked,30 rpm. Particle size reduction is not required. Q2614-06 IS USED FOR MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/16/25 10:00	JP Tech Room	SJS RJ / Ext
	Preparation Group	Analysis Group Metals

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168847

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB168847TB	LEB847	12	N/A	2000	N/A	N/A	N/A	4.95	1.5	T-2
Q2592-02	WC-SOIL-20250711	01	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q2600-02	TRENCH	02	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q2600-06	STOCK-PILE	03	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q2600-10	END-OF-TRENCH	04	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q2605-01	V908	05	100.02	2000	N/A	N/A	N/A	6.6	1.5	T-1
Q2605-02	VB16135	06	100.02	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q2605-03	VB15061	07	100.03	2000	N/A	N/A	N/A	6.6	1.5	T-1
Q2605-04	V897	08	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2609-02	710-ABC	09	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q2609-06	709-AB	10	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q2614-06	HR-MCN-COMP-01	11	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168847TB	LEB847	N/A	N/A	N/A	N/A	N/A	N/A
Q2592-02	WC-SOIL-20250711	N/A	N/A	N/A	N/A	100	N/A
Q2600-02	TRENCH	N/A	N/A	N/A	N/A	100	N/A
Q2600-06	STOCK-PILE	N/A	N/A	N/A	N/A	100	N/A
Q2600-10	END-OF-TRENCH	N/A	N/A	N/A	N/A	100	N/A
Q2605-01	V908	N/A	N/A	N/A	N/A	100	N/A
Q2605-02	VB16135	N/A	N/A	N/A	N/A	100	N/A
Q2605-03	VB15061	N/A	N/A	N/A	N/A	100	N/A
Q2605-04	V897	N/A	N/A	N/A	N/A	100	N/A
Q2609-02	710-ABC	N/A	N/A	N/A	N/A	100	N/A
Q2609-06	709-AB	N/A	N/A	N/A	N/A	100	N/A
Q2614-06	HR-MCN-COMP-01	N/A	N/A	N/A	N/A	100	N/A

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TCLP Fluid Determination

PB168847

Hot Block ID : WC S-1 / WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB168847TB	LEB847	N/A	N/A	N/A	N/A	#1	4.95
Q2592-02	WC-SOIL-20250711	5.02	96.5	7.0	2.5	#1	4.95
Q2600-02	TRENCH	5.01	96.5	7.6	2.5	#1	4.95
Q2600-06	STOCK-PILE	5.02	96.5	7.6	2.5	#1	4.95
Q2600-10	END-OF-TRENCH	5.03	96.5	7.2	2.0	#1	4.95
Q2605-01	V908	5.02	96.5	8.6	3.5	#1	4.95
Q2605-02	VB16135	5.03	96.5	9.0	4.0	#1	4.95
Q2605-03	VB15061	5.03	96.5	9.0	4.0	#1	4.95
Q2605-04	V897	5.02	96.5	9.3	4.5	#1	4.95
Q2609-02	710-ABC	5.03	96.5	7.2	3.0	#1	4.95
Q2609-06	709-AB	5.02	96.5	6.2	2.5	#1	4.95
Q2614-06	HR-MCN-COMP-01	5.01	96.5	7.6	2.5	#1	4.95