

Hit Summary Sheet SW-846

SDG No.:	Q2818	Order ID:	Q2818
Client:	Earth Engineering Inc.	Project ID:	Reserve Turgyan Farms

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-2-5-1								
Q2818-04	B-2-5-1	Water	Beryllium	12.6		0.56	6.00	ug/L
Q2818-04	B-2-5-1	Water	Mercury	0.53		0.076	0.20	ug/L
Client ID : B-3-5-2								
Q2818-05	B-3-5-2	Water	Beryllium	14.4		0.56	6.00	ug/L
Q2818-05	B-3-5-2	Water	Mercury	0.76		0.076	0.20	ug/L
Q2818-05	B-3-5-2	Water	Silver	6.92	J	1.62	10.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-04	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-41-7	Beryllium	12.6	N	1	0.56	6.00	ug/L	08/19/25 12:30	08/20/25 15:00	6010D	SW3010
7439-97-6	Mercury	0.53		1	0.076	0.20	ug/L	08/19/25 11:30	08/19/25 14:33	7470A	
7440-22-4	Silver	1.62	U	1	1.62	10.0	ug/L	08/19/25 12:30	08/20/25 15:00	6010D	SW3010

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2	SDG No.:	Q2818
Lab Sample ID:	Q2818-05	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.
7440-41-7	Beryllium	14.4	N	1	0.56	6.00	ug/L	08/19/25 12:30	08/20/25 15:04	6010D	SW3010
7439-97-6	Mercury	0.76		1	0.076	0.20	ug/L	08/19/25 11:30	08/19/25 14:36	7470A	
7440-22-4	Silver	6.92	J	1	1.62	10.0	ug/L	08/19/25 12:30	08/20/25 15:04	6010D	SW3010

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



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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

Earth Engineering Inc.

SDG No.:

Q2818

Contract:

EARTH03

Lab Code:

ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB23	Mercury	0.076	+/-0.2	U	0.20	CV	08/19/2025	14:09	LB136879

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Earth Engineering Inc.

SDG No.: Q2818

Contract: EARTH03

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB71	Mercury	0.076	+/-0.2	U	0.20	CV	08/19/2025	14:14	LB136879
CCB72	Mercury	0.076	+/-0.2	U	0.20	CV	08/19/2025	14:47	LB136879
CCB73	Mercury	0.076	+/-0.2	U	0.20	CV	08/19/2025	15:16	LB136879
CCB74	Mercury	0.076	+/-0.2	U	0.20	CV	08/19/2025	15:39	LB136879

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Earth Engineering Inc.

SDG No.: Q2818

Contract: EARTH03

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Beryllium	0.56	+/-3	U	6.00	P	08/20/2025	13:21	LB136898
	Silver	1.62	+/-5	U	10.0	P	08/20/2025	13:21	LB136898

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Earth Engineering Inc. **SDG No.:** Q2818
Contract: EARTH03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Beryllium	0.56	+/-3	U	6.00	P	08/20/2025	13:51	LB136898
	Silver	1.62	+/-5	U	10.0	P	08/20/2025	13:51	LB136898
CCB02	Beryllium	0.56	+/-3	U	6.00	P	08/20/2025	14:43	LB136898
	Silver	1.62	+/-5	U	10.0	P	08/20/2025	14:43	LB136898
CCB03	Beryllium	0.56	+/-3	U	6.00	P	08/20/2025	15:49	LB136898
	Silver	1.62	+/-5	U	10.0	P	08/20/2025	15:49	LB136898
CCB04	Beryllium	0.56	+/-3	U	6.00	P	08/20/2025	16:39	LB136898
	Silver	1.62	+/-5	U	10.0	P	08/20/2025	16:39	LB136898
CCB05	Beryllium	0.56	+/-3	U	6.00	P	08/20/2025	17:13	LB136898
	Silver	1.62	+/-5	U	10.0	P	08/20/2025	17:13	LB136898

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Earth Engineering Inc.

SDG No.: Q2818

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169293BL		WATER		Batch Number:	PB169293		Prep Date:	08/19/2025	
	Mercury	0.076	<0.2	U	0.20	CV	08/19/2025	14:25	LB136879
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169293TB		WATER		Batch Number:	PB169293		Prep Date:	08/19/2025	
	Mercury	0.076	<0.2	U	0.20	CV	08/19/2025	15:26	LB136879

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Earth Engineering Inc.

SDG No.: Q2818

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169301BL		WATER		Batch Number:		PB169301		Prep Date: 08/19/2025	
	Beryllium	0.56	<3	U	6.00	P	08/20/2025	14:48	LB136898
	Silver	1.62	<5	U	10.0	P	08/20/2025	14:48	LB136898
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169301TB		WATER		Batch Number:		PB169301		Prep Date: 08/19/2025	
	Beryllium	0.56	<3	U	6.00	P	08/20/2025	17:04	LB136898
	Silver	1.62	<5	U	10.0	P	08/20/2025	17:04	LB136898



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc.

SDG No.: Q2818

Contract: EARTH03

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
ICV23	Mercury	4.11	4.0	103	90 - 110	CV	08/19/2025	14:07	LB136879

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc.

SDG No.: Q2818

Contract: EARTH03

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
CCV71	Mercury	4.71	5.0	94	90 - 110	CV	08/19/2025	14:11	LB136879
CCV72	Mercury	4.70	5.0	94	90 - 110	CV	08/19/2025	14:45	LB136879
CCV73	Mercury	4.75	5.0	95	90 - 110	CV	08/19/2025	15:14	LB136879
CCV74	Mercury	5.24	5.0	105	90 - 110	CV	08/19/2025	15:37	LB136879

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc.

SDG No.: Q2818

Contract: EARTH03

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	Beryllium	217	200	109	90 - 110	P	08/20/2025	13:04	LB136898
	Silver	1010	1000	101	90 - 110	P	08/20/2025	13:04	LB136898

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc.

SDG No.: Q2818

Contract: EARTH03

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	Beryllium	6.15	6.0	103	80 - 120	P	08/20/2025	13:17	LB136898
	Silver	10.4	10.0	104	80 - 120	P	08/20/2025	13:17	LB136898

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc.
Contract: EARTH03
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

SDG No.: Q2818
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Beryllium	246	250	98	90 - 110	P	08/20/2025	13:47	LB136898
	Silver	1240	1250	100	90 - 110	P	08/20/2025	13:47	LB136898
CCV02	Beryllium	243	250	97	90 - 110	P	08/20/2025	14:39	LB136898
	Silver	1250	1250	100	90 - 110	P	08/20/2025	14:39	LB136898
CCV03	Beryllium	251	250	100	90 - 110	P	08/20/2025	15:45	LB136898
	Silver	1260	1250	101	90 - 110	P	08/20/2025	15:45	LB136898
CCV04	Beryllium	247	250	99	90 - 110	P	08/20/2025	16:35	LB136898
	Silver	1250	1250	100	90 - 110	P	08/20/2025	16:35	LB136898
CCV05	Beryllium	251	250	101	90 - 110	P	08/20/2025	17:09	LB136898
	Silver	1250	1250	100	90 - 110	P	08/20/2025	17:09	LB136898



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Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Earth Engineering Inc.

SDG No.: Q2818

Contract: EARTH03

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	0.21	0.2	103	70 - 130	CV	08/19/2025	14:16	LB136879
CRI01	Beryllium	6.30	6.0	105	65 - 135	P	08/20/2025	13:26	LB136898
	Silver	9.95	10.0	100	65 - 135	P	08/20/2025	13:26	LB136898

Metals
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INTERFERENCE CHECK SAMPLE

Client: <u>Earth Engineering Inc.</u>	SDG No.: <u>Q2818</u>
Contract: <u>EARTH03</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

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	Beryllium	1.50			-6	6	08/20/2025	13:30	LB136898
	Silver	2.09			-10	10	08/20/2025	13:30	LB136898
ICSAB01	Beryllium	482	495	97	420	570	08/20/2025	13:34	LB136898
	Silver	212	201	106	170	232	08/20/2025	13:34	LB136898



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Earth Engineering Inc.</u>	level: <u>low</u>	sdg no.: <u>Q2818</u>
contract: <u>EARTH03</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q2818-05</u>	client id: <u>B-3-5-2MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2818-05MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Beryllium	ug/L	75 - 125	159		14.4		200	72	N	P
Silver	ug/L	75 - 125	64.8		6.92	J	75.0	77		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Earth Engineering Inc.</u>	level:	<u>low</u>	sdg no.:	<u>Q2818</u>
contract:	<u>EARTH03</u>			lab code:	<u>ACE</u>
matrix:	<u>Water</u>	sample id:	<u>Q2818-05</u>	client id:	<u>B-3-5-2MSD</u>
Percent Solids for Sample:	NA	Spiked ID:	Q2818-05MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Beryllium	ug/L	75 - 125	157		14.4		200	71	N	P
Silver	ug/L	75 - 125	64.5		6.92	J	75.0	77		P

metals
- 5a -
MATRIX SPIKE SUMMARY

client:	Earth Engineering Inc.	level:	low	sdg no.:	Q2818
contract:	EARTH03			lab code:	ACE
matrix:	Water	sample id:	Q2879-18	client id:	OU4-TS-GRILLO-TSCP11-081425MS
Percent Solids for Sample:	NA	Spiked ID:	Q2879-18MS	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	4.03		0.20	U	4.0	101		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Earth Engineering Inc.</u>	level:	<u>low</u>	sdg no.:	<u>Q2818</u>
contract:	<u>EARTH03</u>			lab code:	<u>ACE</u>
matrix:	<u>Water</u>	sample id:	<u>Q2879-18</u>	client id:	<u>OU4-TS-GRILLO-TSCP11-081425MSD</u>
Percent Solids for Sample:	NA	Spiked ID:	Q2879-18MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	4.00		0.20	U	4.0	100		CV

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Earth Engineering Inc.

SDG No.: Q2818

Contract: EARTH03

Lab Code: ACE

Matrix: Water

Level: LOW

Client ID: B-3-5-2A

Sample ID: Q2818-05

Spiked ID: Q2818-05A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Beryllium	ug/L	75 - 125	160		14.4		200	73	N	P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Earth Engineering Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2818</u>
Contract:	<u>EARTH03</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q2818-05</u>	Client ID:	<u>B-3-5-2DUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q2818-05DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Beryllium	ug/L	20	14.4		14.6		1		P
Silver	ug/L	20	6.92	J	11.3		48		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Earth Engineering Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2818</u>
Contract:	<u>EARTH03</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q2818-05MS</u>	Client ID:	<u>B-3-5-2MSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q2818-05MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Beryllium	ug/L	20	159		157		1		P
Silver	ug/L	20	64.8		64.5		0		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Earth Engineering Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2818</u>
Contract:	<u>EARTH03</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q2879-18</u>	Client ID:	<u>OU4-TS-GRILLO-TSCP11-081425DUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q2879-18DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.20	U	0.20	U			CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Earth Engineering Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2818</u>
Contract:	<u>EARTH03</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q2879-18MS</u>	Client ID:	<u>OU4-TS-GRILLO-TSCP11-081425MSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q2879-18MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	4.03		4.00		1		CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Earth Engineering Inc.

SDG No.: Q2818

Contract: EARTH03

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169293BS Mercury	ug/L	4.0	4.15		104	82 - 119	CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Earth Engineering Inc.

SDG No.: Q2818

Contract: EARTH03

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169301BS							
Beryllium	ug/L	200	199		100	80 - 120	P
Silver	ug/L	75.0	73.9		98	80 - 120	P

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

B-3-5-2L

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE **Lb No.:** lb136898 **Lab Sample ID :** Q2818-05L **SDG No.:** Q2818

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence	Q	M
Beryllium	14.4	C	17.5	J	22		P
Silver	6.92	J	50.0	U	100.0		P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

OU4-TS-GRILLO-TSCP11-081425L

Lab Name: Alliance **Contract:** EARTH03
Lab Code: ACE **Lb No.:** lb136879 **Lab Sample ID :** Q2879-18L **SDG No.:** Q2818
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I)	Serial Dilution Result (S)	% Differ- ence	Q	M
Mercury	0.20 U	1.00 U			CV

metals
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ANALYSIS RUN LOG

Client: Earth Engineering Inc.

Contract: EARTH03

Lab code: ACE

Sdg no.: Q2818

Instrument id number: _____

Method: _____

Run number: LB136879

Start date: 08/19/2025

End date: 08/19/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1352	HG
S0.2	S0.2	1	1355	HG
S2.5	S2.5	1	1357	HG
S5	S5	1	1359	HG
S7.5	S7.5	1	1401	HG
S10	S10	1	1404	HG
ICV23	ICV23	1	1407	HG
ICB23	ICB23	1	1409	HG
CCV71	CCV71	1	1411	HG
CCB71	CCB71	1	1414	HG
CRA	CRA	1	1416	HG
PB169293BL	PB169293BL	1	1425	HG
PB169293BS	PB169293BS	1	1431	HG
Q2818-04	B-2-5-1	1	1433	HG
Q2818-05	B-3-5-2	1	1436	HG
CCV72	CCV72	1	1445	HG
CCB72	CCB72	1	1447	HG
Q2879-18DUP	OU4-TS-GRILLO-TSCP11-0814	1	1503	HG
Q2879-18MS	OU4-TS-GRILLO-TSCP11-0814	1	1509	HG
Q2879-18MSD	OU4-TS-GRILLO-TSCP11-0814	1	1512	HG
CCV73	CCV73	1	1514	HG
CCB73	CCB73	1	1516	HG
PB169293TB	PB169293TB	1	1526	HG
Q2879-18L	OU4-TS-GRILLO-TSCP11-0814	5	1529	HG
CCV74	CCV74	1	1537	HG
CCB74	CCB74	1	1539	HG

metals
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ANALYSIS RUN LOG

Client: Earth Engineering Inc.

Contract: EARTH03

Lab code: ACE

Sdg no.: Q2818

Instrument id number: _____

Method: _____

Run number: LB136898

Start date: 08/20/2025

End date: 08/20/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1238	Ag,Be
S1	S1	1	1243	Ag,Be
S2	S2	1	1247	Ag,Be
S3	S3	1	1251	Ag,Be
S4	S4	1	1255	Ag,Be
S5	S5	1	1259	Ag,Be
ICV01	ICV01	1	1304	Ag,Be
LLICV01	LLICV01	1	1317	Ag,Be
ICB01	ICB01	1	1321	Ag,Be
CRI01	CRI01	1	1326	Ag,Be
ICSA01	ICSA01	1	1330	Ag,Be
ICSAB01	ICSAB01	1	1334	Ag,Be
CCV01	CCV01	1	1347	Ag,Be
CCB01	CCB01	1	1351	Ag,Be
CCV02	CCV02	1	1439	Ag,Be
CCB02	CCB02	1	1443	Ag,Be
PB169301BL	PB169301BL	1	1448	Ag,Be
PB169301BS	PB169301BS	1	1452	Ag,Be
Q2818-04	B-2-5-1	1	1500	Ag,Be
Q2818-05	B-3-5-2	1	1504	Ag,Be
Q2818-05DUP	B-3-5-2DUP	1	1508	Ag,Be
Q2818-05A	B-3-5-2A	1	1524	Be
Q2818-05L	B-3-5-2L	5	1532	Ag,Be
Q2818-05MS	B-3-5-2MS	1	1537	Ag,Be
Q2818-05MSD	B-3-5-2MSD	1	1541	Ag,Be
CCV03	CCV03	1	1545	Ag,Be
CCB03	CCB03	1	1549	Ag,Be
CCV04	CCV04	1	1635	Ag,Be
CCB04	CCB04	1	1639	Ag,Be
PB169301TB	PB169301TB	1	1704	Ag,Be
CCV05	CCV05	1	1709	Ag,Be
CCB05	CCB05	1	1713	Ag,Be



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Earth Engineering Inc.

SDG No.: Q2818

Contract: EARTH03

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Earth Engineering Inc.

SDG No.: Q2818

Contract: EARTH03

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		As	Ba	Be	Cd	Co
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Earth Engineering Inc.

SDG No.: Q2818

Contract: EARTH03

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
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Earth Engineering Inc.

SDG No.: Q2818

Contract: EARTH03

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Earth Engineering Inc.

SDG No.: Q2818

Contract: EARTH03

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000

LAB CHRONICLE

OrderID:	Q2818	OrderDate:	8/11/2025 11:57:00 AM
Client:	Earth Engineering Inc.	Project:	Reserve Turgyan Farms
Contact:	Frank Dougherty, LSRP	Location:	J21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2818-01	B-2-5-1	SOIL	Mercury	7471B	08/11/25	08/11/25	08/12/25	08/11/25
			Metals ICP-TAL	6010D		08/12/25	08/13/25	
Q2818-02	B-3-5-2	SOIL	Mercury	7471B	08/11/25	08/11/25	08/12/25	08/11/25
			Metals ICP-TAL	6010D		08/12/25	08/13/25	
Q2818-04	B-2-5-1	Water	SPLP Mercury	7470A	08/11/25	08/19/25	08/19/25	08/11/25
			SPLP MetalGroup3	6010D		08/19/25	08/20/25	
Q2818-05	B-3-5-2	Water	SPLP Mercury	7470A	08/11/25	08/19/25	08/19/25	08/11/25
			SPLP MetalGroup3	6010D		08/19/25	08/20/25	



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: Earth Engineering Inc.

SDG No.: Q2818

Contract: EARTH03

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: PB169293							
PB169293BL	PB169293BL	MB	WATER	08/19/2025	30.0	30.0	
PB169293BS	PB169293BS	LCS	WATER	08/19/2025	30.0	30.0	
PB169293TB	PB169293TB	MB	WATER	08/19/2025	30.0	30.0	
Q2818-04	B-2-5-1	SAM	WATER	08/19/2025	30.0	30.0	
Q2818-05	B-3-5-2	SAM	WATER	08/19/2025	30.0	30.0	
Q2879-18DUP	OU4-TS-GRILLO-TSCP11-081425DUP	DUP	WATER	08/19/2025	30.0	30.0	
Q2879-18MS	OU4-TS-GRILLO-TSCP11-081425MS	MS	WATER	08/19/2025	30.0	30.0	
Q2879-18MSD	OU4-TS-GRILLO-TSCP11-081425MSD	MSD	WATER	08/19/2025	30.0	30.0	

Metals
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SAMPLE PREPARATION SUMMARY

Client: Earth Engineering Inc.

SDG No.: Q2818

Contract: EARTH03

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: PB169301							
PB169301BL	PB169301BL	MB	WATER	08/19/2025	50.0	50.0	
PB169301BS	PB169301BS	LCS	WATER	08/19/2025	50.0	50.0	
PB169301TB	PB169301TB	MB	WATER	08/19/2025	50.0	50.0	
Q2818-04	B-2-5-1	SAM	WATER	08/19/2025	50.0	50.0	
Q2818-05	B-3-5-2	SAM	WATER	08/19/2025	50.0	50.0	
Q2818-05DUP	B-3-5-2DUP	DUP	WATER	08/19/2025	50.0	50.0	
Q2818-05MS	B-3-5-2MS	MS	WATER	08/19/2025	50.0	50.0	
Q2818-05MSD	B-3-5-2MSD	MSD	WATER	08/19/2025	50.0	50.0	

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136879

Review By	MOHAN	Review On	8/20/2025 1:01:55 PM
Supervise By	jaswal	Supervise On	8/20/2025 10:35:11 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86832,MP86833,MP86834,MP86835,MP86836,MP86837		
ICV Standard	MP86838		
CCV Standard	MP86840		
ICSA Standard			
CRI Standard	MP86842		
LCS Standard			
Chk Standard	MP86839,MP86841,MP86843,MP86845		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/19/25 13:52		MOHAN	OK
2	S0.2	S0.2	CAL2	08/19/25 13:55		MOHAN	OK
3	S2.5	S2.5	CAL3	08/19/25 13:57		MOHAN	OK
4	S5	S5	CAL4	08/19/25 13:59		MOHAN	OK
5	S7.5	S7.5	CAL5	08/19/25 14:01		MOHAN	OK
6	S10	S10	CAL6	08/19/25 14:04		MOHAN	OK
7	ICV23	ICV23	ICV	08/19/25 14:07		MOHAN	OK
8	ICB23	ICB23	ICB	08/19/25 14:09		MOHAN	OK
9	CCV71	CCV71	CCV	08/19/25 14:11		MOHAN	OK
10	CCB71	CCB71	CCB	08/19/25 14:14		MOHAN	OK
11	CRA	CRA	CRDL	08/19/25 14:16		MOHAN	OK
12	HighStd	HighStd	HIGH STD	08/19/25 14:18		MOHAN	OK
13	ChkStd	ChkStd	SAM	08/19/25 14:20		MOHAN	OK
14	PB169293BL	PB169293BL	MB	08/19/25 14:25		MOHAN	OK
15	PB169293BS	PB169293BS	LCS	08/19/25 14:31		MOHAN	OK
16	Q2818-04	B-2-5-1	SAM	08/19/25 14:33		MOHAN	OK
17	Q2818-05	B-3-5-2	SAM	08/19/25 14:36		MOHAN	OK
18	Q2879-02	OU4-TS-GRILLO-TSC	SAM	08/19/25 14:38		MOHAN	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136879

Review By	MOHAN	Review On	8/20/2025 1:01:55 PM
Supervise By	jaswal	Supervise On	8/20/2025 10:35:11 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86832,MP86833,MP86834,MP86835,MP86836,MP86837		
ICV Standard	MP86838		
CCV Standard	MP86840		
ICSA Standard			
CRI Standard	MP86842		
LCS Standard			
Chk Standard	MP86839,MP86841,MP86843,MP86845		

19	Q2879-04	OU4-TS-GRILLO-TSC	SAM	08/19/25 14:40		MOHAN	OK
20	Q2879-06	OU4-TS-GRILLO-TSC	SAM	08/19/25 14:43		MOHAN	OK
21	CCV72	CCV72	CCV	08/19/25 14:45		MOHAN	OK
22	CCB72	CCB72	CCB	08/19/25 14:47		MOHAN	OK
23	Q2879-08	OU4-TS-GRILLO-TSC	SAM	08/19/25 14:50		MOHAN	OK
24	Q2879-10	OU4-TS-GRILLO-TSC	SAM	08/19/25 14:52		MOHAN	OK
25	Q2879-12	OU4-TS-GRILLO-TSC	SAM	08/19/25 14:54		MOHAN	OK
26	Q2879-14	OU4-TS-GRILLO-TSC	SAM	08/19/25 14:57		MOHAN	OK
27	Q2879-16	OU4-TS-GRILLO-TSC	SAM	08/19/25 14:59		MOHAN	OK
28	Q2879-18	OU4-TS-GRILLO-TSC	SAM	08/19/25 15:01		MOHAN	OK
29	Q2879-18DUP	OU4-TS-GRILLO-TSC	DUP	08/19/25 15:03		MOHAN	OK
30	Q2879-18MS	OU4-TS-GRILLO-TSC	MS	08/19/25 15:09		MOHAN	OK
31	Q2879-18MSD	OU4-TS-GRILLO-TSC	MSD	08/19/25 15:12		MOHAN	OK
32	CCV73	CCV73	CCV	08/19/25 15:14		MOHAN	OK
33	CCB73	CCB73	CCB	08/19/25 15:16		MOHAN	OK
34	PB169293TB	PB169293TB	MB	08/19/25 15:26		MOHAN	OK
35	Q2879-18L	OU4-TS-GRILLO-TSC	SD	08/19/25 15:29		MOHAN	OK
36	Q2879-18A	OU4-TS-GRILLO-TSC	PS	08/19/25 15:31		MOHAN	OK
37	CCV74	CCV74	CCV	08/19/25 15:37		MOHAN	OK
38	CCB74	CCB74	CCB	08/19/25 15:39		MOHAN	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136898

Review By	jaswal	Review On	8/21/2025 9:30:15 AM
Supervise By	MOHAN	Supervise On	8/21/2025 5:53:36 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641		
ICV Standard	MP86752,MP86656		
CCV Standard	MP86646		
ICSA Standard	MP86651,MP86753		
CRI Standard	MP86656		
LCS Standard			
Chk Standard	MP86647,MP86648		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/20/25 12:38		Jaswal	OK
2	S1	S1	CAL2	08/20/25 12:43		Jaswal	OK
3	S2	S2	CAL3	08/20/25 12:47		Jaswal	OK
4	S3	S3	CAL4	08/20/25 12:51		Jaswal	OK
5	S4	S4	CAL5	08/20/25 12:55		Jaswal	OK
6	S5	S5	CAL6	08/20/25 12:59		Jaswal	OK
7	ICV01	ICV01	ICV	08/20/25 13:04		Jaswal	OK
8	LLICV01	LLICV01	LLICV	08/20/25 13:17		Jaswal	OK
9	ICB01	ICB01	ICB	08/20/25 13:21		Jaswal	OK
10	CRI01	CRI01	CRDL	08/20/25 13:26		Jaswal	OK
11	ICSA01	ICSA01	ICSA	08/20/25 13:30		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	08/20/25 13:34		Jaswal	OK
13	ICSADL	ICSADL	ICSA	08/20/25 13:38		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	08/20/25 13:42		Jaswal	OK
15	CCV01	CCV01	CCV	08/20/25 13:47		Jaswal	OK
16	CCB01	CCB01	CCB	08/20/25 13:51		Jaswal	OK
17	LR-1	LR-1	HIGH STD	08/20/25 13:55		Jaswal	OK
18	LR-2	LR-2	HIGH STD	08/20/25 14:00		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136898

Review By	jaswal	Review On	8/21/2025 9:30:15 AM
Supervise By	MOHAN	Supervise On	8/21/2025 5:53:36 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641		
ICV Standard	MP86752,MP86656		
CCV Standard	MP86646		
ICSA Standard	MP86651,MP86753		
CRI Standard	MP86656		
LCS Standard			
Chk Standard	MP86647,MP86648		

19	LR-3	LR-3	HIGH STD	08/20/25 14:04		Jaswal	OK
20	Q2892-02	1-FLOOR-NORTH-EA	SAM	08/20/25 14:09		Jaswal	OK
21	Q2892-02DUP	1-FLOOR-NORTH-EA	DUP	08/20/25 14:15		Jaswal	OK
22	Q2892-02MS	1-FLOOR-NORTH-EA	MS	08/20/25 14:23		Jaswal	OK
23	Q2892-02MSD	1-FLOOR-NORTH-EA	MSD	08/20/25 14:27		Jaswal	OK
24	Q2892-02A	1-FLOOR-NORTH-EA	PS	08/20/25 14:31		Jaswal	OK
25	CCV02	CCV02	CCV	08/20/25 14:39		Jaswal	OK
26	CCB02	CCB02	CCB	08/20/25 14:43		Jaswal	OK
27	PB169301BL	PB169301BL	MB	08/20/25 14:48		Jaswal	OK
28	PB169301BS	PB169301BS	LCS	08/20/25 14:52		Jaswal	OK
29	Q2892-02L	1-FLOOR-NORTH-EA	SD	08/20/25 14:56		Jaswal	OK
30	Q2818-04	B-2-5-1	SAM	08/20/25 15:00		Jaswal	OK
31	Q2818-05	B-3-5-2	SAM	08/20/25 15:04		Jaswal	OK
32	Q2818-05DUP	B-3-5-2DUP	DUP	08/20/25 15:08		Jaswal	OK
33	Q2818-05A	B-3-5-2A	PS	08/20/25 15:24		Jaswal	OK
34	Q2818-05L	B-3-5-2L	SD	08/20/25 15:32		Jaswal	OK
35	Q2818-05MS	B-3-5-2MS	MS	08/20/25 15:37		Jaswal	OK
36	Q2818-05MSD	B-3-5-2MSD	MSD	08/20/25 15:41		Jaswal	OK
37	CCV03	CCV03	CCV	08/20/25 15:45		Jaswal	OK
38	CCB03	CCB03	CCB	08/20/25 15:49		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136898

Review By	jaswal	Review On	8/21/2025 9:30:15 AM
Supervise By	MOHAN	Supervise On	8/21/2025 5:53:36 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641		
ICV Standard	MP86752,MP86656		
CCV Standard	MP86646		
ICSA Standard	MP86651,MP86753		
CRI Standard	MP86656		
LCS Standard			
Chk Standard	MP86647,MP86648		

39	PB169303BL	PB169303BL	MB	08/20/25 15:53		Jaswal	OK
40	PB169303BS	PB169303BS	LCS	08/20/25 15:58		Jaswal	OK
41	Q2881-01	RW8-SP100-2025081	SAM	08/20/25 16:02		Jaswal	OK
42	Q2881-02	RW8-SP303-2025081	SAM	08/20/25 16:06		Jaswal	OK
43	Q2881-02DUP	RW8-SP303-2025081	DUP	08/20/25 16:10		Jaswal	OK
44	Q2881-02L	RW8-SP303-2025081	SD	08/20/25 16:14		Jaswal	OK
45	Q2881-02MS	RW8-SP303-2025081	MS	08/20/25 16:19		Jaswal	OK
46	Q2881-02MSD	RW8-SP303-2025081	MSD	08/20/25 16:23		Jaswal	OK
47	Q2881-02A	RW8-SP303-2025081	PS	08/20/25 16:27		Jaswal	OK
48	Q2814-01	TW-84SB-E	SAM	08/20/25 16:31		Jaswal	OK
49	CCV04	CCV04	CCV	08/20/25 16:35		Jaswal	OK
50	CCB04	CCB04	CCB	08/20/25 16:39		Jaswal	OK
51	Q2814-03	TW-17M-W	SAM	08/20/25 16:43		Jaswal	OK
52	Q2814-22	TW-84SB-E	SAM	08/20/25 16:47		Jaswal	OK
53	Q2814-23	TW-17M-W	SAM	08/20/25 16:52		Jaswal	OK
54	Q2815-20	TW-11M-W	SAM	08/20/25 16:56	Not use	Jaswal	Not Ok
55	Q2815-25	TW-11M-W	SAM	08/20/25 17:00		Jaswal	OK
56	PB169301TB	PB169301TB	MB	08/20/25 17:04		Jaswal	OK
57	CCV05	CCV05	CCV	08/20/25 17:09		Jaswal	OK
58	CCB05	CCB05	CCB	08/20/25 17:13		Jaswal	OK

SOP ID : M7470A-Mercury-20

SDG No : N/A

Matrix : WATER

Pipette ID: HG A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #1

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

Start Digest Date: 08/19/2025 Time : 11:30 Temp : 96 °C

End Digest Date: 08/19/2025 Time : 13:30 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: *W*

Supervisor Signature: *MO*

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP86838
CCV	30mL	MP86840
CRA	30mL	MP86842
Blank Spike	0.48mL	MP86831
Matrix Spike	0.48ml	MP86831

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	MP86830
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	MP86832
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP86833
2.5 ppb	S2.5	30mL	MP86834
5.0 ppb	S5.0	30mL	MP86835
7.5 ppb	S7.5	30mL	MP86836
10.0 ppb	S10.0	30mL	MP86837
ICV	ICV	30mL	MP86838
ICB	ICB	30mL	MP86839
CCV	CCV	30mL	MP86840
CCB	CCB	30mL	MP86841
CRI	CRI	30mL	MP86842
CHK STD	CHK STD	30mL	MP86843

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/19/25 13:50	<i>W</i> <i>hid lab</i>	<i>ms - met dig.</i>
13:50	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB169293BL	PBW293	30	30	<2	N/A	3-1
PB169293BS	LCS293	30	30	<2	MP86831	2
PB169293TB	LEB293	30	30	<2	N/A	3
Q2818-04	B-2-5-1	30	30	<2	N/A	4
Q2818-05	B-3-5-2	30	30	<2	N/A	5
Q2879-02	OU4-TS-GRILLO-TSCP03-081425	30	30	<2	N/A	6
Q2879-04	OU4-TS-GRILLO-TSCP04-081425	30	30	<2	N/A	7
Q2879-06	OU4-TS-GRILLO-TSCP05-081425	30	30	<2	N/A	8
Q2879-08	OU4-TS-GRILLO-TSCP06-081425	30	30	<2	N/A	9
Q2879-10	OU4-TS-GRILLO-TSCP07-081425	30	30	<2	N/A	10
Q2879-12	OU4-TS-GRILLO-TSCP08-081425	30	30	<2	N/A	11
Q2879-14	OU4-TS-GRILLO-TSCP09-081425	30	30	<2	N/A	12
Q2879-16	OU4-TS-GRILLO-TSCP10-081425	30	30	<2	N/A	13
Q2879-18	OU4-TS-GRILLO-TSCP11-081425	30	30	<2	N/A	14
Q2879-18DUP	OU4-TS-GRILLO-TSCP11-081425DUP	30	30	<2	N/A	15
Q2879-18MS	OU4-TS-GRILLO-TSCP11-081425MS	30	30	<2	MP86831	16
Q2879-18MSD	OU4-TS-GRILLO-TSCP11-081425MSD	30	30	<2	MP86831	17

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pipette 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: 08/19/2025 Time : 12:30 Temp : 97 °C

End Digest Date: 08/19/2025 Time : 14:32 Temp : 98 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: *S/S*

Supervisor Signature: *[Signature]*

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6180
LFS-2	0.25	M6181
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
08/19/25 15:32	<i>S/S met dig</i>	<i>[Signature] (Metals Lab)</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB169301BL	PBW301	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	1
PB169301BS	LCS301	<2	50	50	Colorless	Colorless	Clear	Clear	M6180,M6181	2
PB169301TB	LEB301	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	8
Q2818-04	B-2-5-1	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	3
Q2818-05	B-3-5-2	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	4
Q2818-05MS	B-3-5-2MS	<2	50	50	Colorless	Colorless	Clear	Clear	M6180,M6181	6
Q2818-05MSD	B-3-5-2MSD	<2	50	50	Colorless	Colorless	Clear	Clear	M6180,M6181	7
Q2818-05DUP	B-3-5-2DUP	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	5

A
B
C
D
E
F
G
H
I
J

SOP ID : M1312-SPLP-10

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

Pipette ID : WC

Tumbler ID : T-2

TCLP Filter ID : 115525

Start Prep Date : 08/18/2025 Time : 15:00

End Prep Date : 08/19/2025 Time : 08:25

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature : 22 °C

Final Room Temperature : 21 °C

TCLP Technician Signature : *SO*

Supervisor By : *RM*

Standard 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
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
SPLP FLUID	N/A	WP112802
N/A	N/A	N/A
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
N/A	N/A	N/A
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. Particle size reduction is not required. q2818-05 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/19/25 10:30	<i>SO</i> <i>TCLP Room</i>	<i>SLR</i> <i>Met Dig</i>
	Preparation Group	Analysis Group

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
PB169294TB	LEB294	13	N/A	2000	N/A	N/A	N/A	4.23	1.5	T-2
Q2818-04	B-2-5-1	11	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-2
Q2818-05	B-3-5-2	12	100.03	2000	N/A	N/A	N/A	3.0	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB169294TB	LEB294	N/A	N/A	N/A	N/A	N/A	N/A
Q2818-04	B-2-5-1	N/A	N/A	N/A	N/A	100	N/A
Q2818-05	B-3-5-2	N/A	N/A	N/A	N/A	100	N/A

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
PB169294TB	LEB294	N/A	N/A	N/A	N/A	#1	4.23
Q2818-04	B-2-5-1	N/A	N/A	N/A	N/A	#1	4.23
Q2818-05	B-3-5-2	N/A	N/A	N/A	N/A	#1	4.23