



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	4/24/2023 12:00:00 AM
Project:	LB125816	Date Received:	4/26/2023 12:00:00 AM
Client Sample ID:	PT-MET-SOIL	SDG No.:	LB125816
Lab Sample ID:	O2500-11	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	8070		1	0.74	0.82	1.64	mg/Kg	06/07/2023	06/06/2023	6020B
7440-36-0	Antimony	24.6		1	0.025	0.061	0.164	mg/Kg	06/07/2023	06/06/2023	6020B
7440-38-2	Arsenic	55		1	0.0070	0.02	0.082	mg/Kg	06/07/2023	06/06/2023	6020B
7440-39-3	Barium	489	OR	1	0.017	0.102	0.82	mg/Kg	06/07/2023	06/06/2023	6020B
7440-41-7	Beryllium	146	OR	1	0.020	0.061	0.082	mg/Kg	06/07/2023	06/06/2023	6020B
7440-43-9	Cadmium	125	OR	1	0.0070	0.02	0.082	mg/Kg	06/07/2023	06/06/2023	6020B
7440-70-2	Calcium	9300		1	2.4	6.15	41	mg/Kg	06/07/2023	06/06/2023	6020B
7440-47-3	Chromium	279	OR	1	0.013	0.041	0.164	mg/Kg	06/07/2023	06/06/2023	6020B
7440-48-4	Cobalt	149	OR	1	0.0030	0.02	0.082	mg/Kg	06/07/2023	06/06/2023	6020B
7440-50-8	Copper	198		1	0.032	0.082	0.164	mg/Kg	06/07/2023	06/06/2023	6020B
7439-89-6	Iron	11900		1	0.25	1.02	4.1	mg/Kg	06/07/2023	06/06/2023	6020B
7439-92-1	Lead	242		1	0.025	0.061	0.082	mg/Kg	06/07/2023	06/06/2023	6020B
7439-95-4	Magnesium	14500		1	0.21	2.05	41	mg/Kg	06/07/2023	06/06/2023	6020B
7439-96-5	Manganese	595		1	0.013	0.041	0.082	mg/Kg	06/07/2023	06/06/2023	6020B
7439-98-7	Molybdenum	164		1	0.077	0.205	0.41	mg/Kg	06/07/2023	06/06/2023	6020B
7440-02-0	Nickel	158	OR	1	0.0070	0.02	0.082	mg/Kg	06/07/2023	06/06/2023	6020B
7440-09-7	Potassium	11800		1	1.4	3.07	41	mg/Kg	06/07/2023	06/06/2023	6020B
7782-49-2	Selenium	188	OR	1	0.098	0.369	0.41	mg/Kg	06/07/2023	06/06/2023	6020B
7440-22-4	Silver	48.4		1	0.013	0.041	0.082	mg/Kg	06/07/2023	06/06/2023	6020B
7440-23-5	Sodium	6630		1	5.5	20.5	41	mg/Kg	06/07/2023	06/06/2023	6020B
7440-24-6	Strontium	239		1	0.032	0.061	0.082	mg/Kg	06/07/2023	06/06/2023	6020B
7440-28-0	Thallium	31.7		1	0.016	0.041	0.082	mg/Kg	06/07/2023	06/06/2023	6020B
7440-31-5	Tin	91.3	OR	1	0.063	0.205	0.41	mg/Kg	06/07/2023	06/06/2023	6020B
7440-32-6	Titanium	164		1	0.078	0.205	0.41	mg/Kg	06/07/2023	06/06/2023	6020B
7440-61-1	Uranium	53.9		1	0.0030	0.02	0.082	mg/Kg	06/07/2023	06/06/2023	6020B
7440-62-2	Vanadium	63.8		1	0.0040	0.02	0.41	mg/Kg	06/07/2023	06/06/2023	6020B
7440-66-6	Zinc	583		1	0.033	0.123	0.164	mg/Kg	06/07/2023	06/06/2023	6020B

**Report of Analysis**

Client:		Date Collected:	4/24/2023 12:00:00 AM
Project:	LB125816	Date Received:	4/26/2023 12:00:00 AM
Client Sample ID:	PT-MET-SOILDL	SDG No.:	LB125816
Lab Sample ID:	O2500-11DL	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	8270	D	5	3.7	4.1	8.2	mg/Kg	06/07/2023	06/06/2023	6020B
7440-36-0	Antimony	26.2	D	5	0.13	0.307	0.82	mg/Kg	06/07/2023	06/06/2023	6020B
7440-38-2	Arsenic	61.2	D	5	0.033	0.102	0.41	mg/Kg	06/07/2023	06/06/2023	6020B
7440-39-3	Barium	533	D	5	0.086	0.512	4.1	mg/Kg	06/07/2023	06/06/2023	6020B
7440-41-7	Beryllium	234	D	5	0.10	0.307	0.41	mg/Kg	06/07/2023	06/06/2023	6020B
7440-43-9	Cadmium	137	D	5	0.034	0.102	0.41	mg/Kg	06/07/2023	06/06/2023	6020B
7440-70-2	Calcium	10000	D	5	12	30.7	205	mg/Kg	06/07/2023	06/06/2023	6020B
7440-47-3	Chromium	288	D	5	0.066	0.205	0.82	mg/Kg	06/07/2023	06/06/2023	6020B
7440-48-4	Cobalt	153	D	5	0.013	0.102	0.41	mg/Kg	06/07/2023	06/06/2023	6020B
7440-50-8	Copper	206	D	5	0.16	0.41	0.82	mg/Kg	06/07/2023	06/06/2023	6020B
7439-89-6	Iron	12100	D	5	1.3	5.12	20.5	mg/Kg	06/07/2023	06/06/2023	6020B
7439-92-1	Lead	329	D	5	0.13	0.307	0.41	mg/Kg	06/07/2023	06/06/2023	6020B
7439-95-4	Magnesium	15300	D	5	1.1	10.25	205	mg/Kg	06/07/2023	06/06/2023	6020B
7439-96-5	Manganese	618	D	5	0.066	0.205	0.41	mg/Kg	06/07/2023	06/06/2023	6020B
7439-98-7	Molybdenum	186	D	5	0.39	1.02	2.05	mg/Kg	06/07/2023	06/06/2023	6020B
7440-02-0	Nickel	168	D	5	0.037	0.102	0.41	mg/Kg	06/07/2023	06/06/2023	6020B
7440-09-7	Potassium	12600	D	5	7.0	15.4	205	mg/Kg	06/07/2023	06/06/2023	6020B
7782-49-2	Selenium	219	D	5	0.49	1.84	2.05	mg/Kg	06/07/2023	06/06/2023	6020B
7440-22-4	Silver	51.7	D	5	0.066	0.205	0.41	mg/Kg	06/07/2023	06/06/2023	6020B
7440-23-5	Sodium	6810	D	5	27	102	205	mg/Kg	06/07/2023	06/06/2023	6020B
7440-24-6	Strontium	267	D	5	0.16	0.307	0.41	mg/Kg	06/07/2023	06/06/2023	6020B
7440-28-0	Thallium	42.2	D	5	0.078	0.205	0.41	mg/Kg	06/07/2023	06/06/2023	6020B
7440-31-5	Tin	98.1	D	5	0.32	1.02	2.05	mg/Kg	06/07/2023	06/06/2023	6020B
7440-32-6	Titanium	176	D	5	0.39	1.02	2.05	mg/Kg	06/07/2023	06/06/2023	6020B
7440-61-1	Uranium	72.8	D	5	0.013	0.102	0.41	mg/Kg	06/07/2023	06/06/2023	6020B
7440-62-2	Vanadium	66.9	D	5	0.020	0.102	2.05	mg/Kg	06/07/2023	06/06/2023	6020B
7440-66-6	Zinc	642	D	5	0.16	0.615	0.82	mg/Kg	06/07/2023	06/06/2023	6020B

**Report of Analysis**

Client:		Date Collected:	4/24/2023 12:00:00 AM
Project:	LB125816	Date Received:	4/26/2023 12:00:00 AM
Client Sample ID:	PT-MET-SOILDL2	SDG No.:	LB125816
Lab Sample ID:	O2500-11DL2	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	8190	D	10	7.4	8.2	16.4	mg/Kg	06/07/2023	06/06/2023	6020B
7440-36-0	Antimony	25.6	D	10	0.25	0.615	1.64	mg/Kg	06/07/2023	06/06/2023	6020B
7440-38-2	Arsenic	61.2	D	10	0.066	0.205	0.82	mg/Kg	06/07/2023	06/06/2023	6020B
7440-39-3	Barium	522	D	10	0.17	1.02	8.2	mg/Kg	06/07/2023	06/06/2023	6020B
7440-41-7	Beryllium	245	D	10	0.21	0.615	0.82	mg/Kg	06/07/2023	06/06/2023	6020B
7440-43-9	Cadmium	133	D	10	0.069	0.205	0.82	mg/Kg	06/07/2023	06/06/2023	6020B
7440-70-2	Calcium	10100	D	10	24	61.5	410	mg/Kg	06/07/2023	06/06/2023	6020B
7440-47-3	Chromium	288	D	10	0.13	0.41	1.64	mg/Kg	06/07/2023	06/06/2023	6020B
7440-48-4	Cobalt	155	D	10	0.025	0.205	0.82	mg/Kg	06/07/2023	06/06/2023	6020B
7440-50-8	Copper	208	D	10	0.32	0.82	1.64	mg/Kg	06/07/2023	06/06/2023	6020B
7439-89-6	Iron	12000	D	10	2.5	10.25	41	mg/Kg	06/07/2023	06/06/2023	6020B
7439-92-1	Lead	320	D	10	0.25	0.615	0.82	mg/Kg	06/07/2023	06/06/2023	6020B
7439-95-4	Magnesium	15100	D	10	2.1	20.5	410	mg/Kg	06/07/2023	06/06/2023	6020B
7439-96-5	Manganese	619	D	10	0.13	0.41	0.82	mg/Kg	06/07/2023	06/06/2023	6020B
7439-98-7	Molybdenum	184	D	10	0.77	2.05	4.1	mg/Kg	06/07/2023	06/06/2023	6020B
7440-02-0	Nickel	171	D	10	0.075	0.205	0.82	mg/Kg	06/07/2023	06/06/2023	6020B
7440-09-7	Potassium	12200	D	10	14	30.7	410	mg/Kg	06/07/2023	06/06/2023	6020B
7782-49-2	Selenium	217	D	10	0.98	3.69	4.1	mg/Kg	06/07/2023	06/06/2023	6020B
7440-22-4	Silver	50.4	D	10	0.13	0.41	0.82	mg/Kg	06/07/2023	06/06/2023	6020B
7440-23-5	Sodium	6810	D	10	55	205	410	mg/Kg	06/07/2023	06/06/2023	6020B
7440-24-6	Strontium	267	D	10	0.32	0.615	0.82	mg/Kg	06/07/2023	06/06/2023	6020B
7440-28-0	Thallium	40.7	D	10	0.16	0.41	0.82	mg/Kg	06/07/2023	06/06/2023	6020B
7440-31-5	Tin	94.5	D	10	0.63	2.05	4.1	mg/Kg	06/07/2023	06/06/2023	6020B
7440-32-6	Titanium	173	D	10	0.78	2.05	4.1	mg/Kg	06/07/2023	06/06/2023	6020B
7440-61-1	Uranium	69	D	10	0.026	0.205	0.82	mg/Kg	06/07/2023	06/06/2023	6020B
7440-62-2	Vanadium	67	D	10	0.039	0.205	4.1	mg/Kg	06/07/2023	06/06/2023	6020B
7440-66-6	Zinc	646	D	10	0.33	1.23	1.64	mg/Kg	06/07/2023	06/06/2023	6020B

**Report of Analysis**

Client:		Date Collected:	5/9/2023 12:00:00 AM
Project:	LB125816	Date Received:	5/10/2023 12:00:00 AM
Client Sample ID:	TOPSOIL-OU3-GRILLO-1DL	SDG No.:	LB125816
Lab Sample ID:	O3024-01DL	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	99300	D	5	23	50	100	ug/L	06/05/2023	06/06/2023	6020B
7440-36-0	Antimony	1.1	JD	5	0.50	1.25	10	ug/L	06/05/2023	06/06/2023	6020B
7440-38-2	Arsenic	93.5	D	5	0.41	1.25	5	ug/L	06/05/2023	06/06/2023	6020B
7440-39-3	Barium	171	D	5	0.95	6.25	50	ug/L	06/05/2023	06/06/2023	6020B
7440-41-7	Beryllium	12.8	D	5	0.50	1.25	5	ug/L	06/05/2023	06/06/2023	6020B
7440-43-9	Cadmium	15.9	D	5	0.65	2.5	5	ug/L	06/05/2023	06/06/2023	6020B
7440-70-2	Calcium	292000	D	5	180	375	2500	ug/L	06/05/2023	06/06/2023	6020B
7440-47-3	Chromium	99.9	D	5	1.8	3.75	10	ug/L	06/05/2023	06/06/2023	6020B
7440-48-4	Cobalt	132	D	5	0.24	1.25	5	ug/L	06/05/2023	06/06/2023	6020B
7440-50-8	Copper	262	D	5	2.7	7.5	10	ug/L	06/05/2023	06/06/2023	6020B
7439-89-6	Iron	49100	D	5	34	125	250	ug/L	06/05/2023	06/06/2023	6020B
7439-92-1	Lead	339	D	5	0.95	3.75	5	ug/L	06/05/2023	06/06/2023	6020B
7439-95-4	Magnesium	63700	D	5	59	125	2500	ug/L	06/05/2023	06/06/2023	6020B
7439-96-5	Manganese	14600	D	5	1.5	3.75	5	ug/L	06/05/2023	06/06/2023	6020B
7439-98-7	Molybdenum	1.25	UD	5	4.7	12.5	25	ug/L	06/05/2023	06/06/2023	6020B
7440-02-0	Nickel	135	D	5	0.46	1.25	5	ug/L	06/05/2023	06/06/2023	6020B
7440-09-7	Potassium	65800	D	5	160	1000	2500	ug/L	06/05/2023	06/06/2023	6020B
7782-49-2	Selenium	4.95	UD	5	6.9	22.5	25	ug/L	06/05/2023	06/06/2023	6020B
7440-22-4	Silver	0	UD	5	1.1	2.5	5	ug/L	06/05/2023	06/06/2023	6020B
7440-23-5	Sodium	20000	D	5	450	1000	2500	ug/L	06/05/2023	06/06/2023	6020B
7440-24-6	Strontium	1040	D	5	1.2	2.5	5	ug/L	06/05/2023	06/06/2023	6020B
7440-28-0	Thallium	1	JD	5	0.55	2.5	5	ug/L	06/05/2023	06/06/2023	6020B
7440-31-5	Tin	1.2	UD	5	1.5	10	25	ug/L	06/05/2023	06/06/2023	6020B
7440-32-6	Titanium	35.4	D	5	5.0	12.5	25	ug/L	06/05/2023	06/06/2023	6020B
7440-61-1	Uranium	2	JD	5	0.11	1.25	5	ug/L	06/05/2023	06/06/2023	6020B
7440-62-2	Vanadium	194	D	5	0.22	1.25	25	ug/L	06/05/2023	06/06/2023	6020B
7440-66-6	Zinc	3590	D	5	6.3	7.5	10	ug/L	06/05/2023	06/06/2023	6020B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	5/9/2023 12:00:00 AM
Project:	LB125816	Date Received:	5/10/2023 12:00:00 AM
Client Sample ID:	TOPSOIL-OU3-GRILLO-1DL	SDG No.:	LB125816
Lab Sample ID:	O3024-01DL	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

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



Metals
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SAMPLE PREPARATION SUMMARY

Client: LB125816

SDG No.: LB125816

Contract:

Lab Code: CHEM

Method:

Case No.: LB125816

SAS No.: LB125816

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB153217							
PB153217BL	PB153217BL	MB	WATER	06/06/2023	50.0	50.0	
PB153217BS	PB153217BS	LCS	WATER	06/06/2023	50.0	50.0	
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	SAM	WATER	06/06/2023	50.0	50.0	
O3024-01DUPDL	TOPSOIL-OU3-GRILLO-1DUPDL	DUP	WATER	06/06/2023	50.0	50.0	
O3024-01MSDL	TOPSOIL-OU3-GRILLO-1MSDL	MS	WATER	06/06/2023	50.0	50.0	
O3024-01MSDDL	TOPSOIL-OU3-GRILLO-1MSDDL	MSD	WATER	06/06/2023	50.0	50.0	
PB153217TB	PB153217TB	MB	WATER	06/06/2023	50.0	50.0	



Metals
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SAMPLE PREPARATION SUMMARY

Client: LB125816

SDG No.: LB125816

Contract:

Lab Code: CHEM

Method:

Case No.: LB125816

SAS No.: LB125816

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB153246							
PB153246BL	PB153246BL	MB	SOLID	06/06/2023	1.00	100.0	100.00
PB153246BS	PB153246BS	LCS	SOLID	06/06/2023	1.00	100.0	100.00
O2500-11	PT-MET-SOIL	SAM	SOLID	06/06/2023	1.22	100.0	100.00
O2500-11DL	PT-MET-SOILDL	SAM	SOLID	06/06/2023	1.22	100.0	100.00
O2500-11DL2	PT-MET-SOILDL2	SAM	SOLID	06/06/2023	1.22	100.0	100.00

FORM 15-IN
INITIAL CALIBRATION

Lab Name: LB125816 Contract: _____
 Lab Code: CHEM Case No.: LB125816 MA No.: _____ SDG No.: LB125816
 Instrument ID: P8 Start Date: 06/06/2023
 Analytical Method: _____ Run Batch: LB125816.mdb
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0	0				20	23.14	16
Antimony	0	0	0				2	2.11	5
Arsenic	0	0	0				1	0.99	-1
Barium	0	0	0				10	10.21	2
Beryllium	0	0	0				1	1.12	12
Cadmium	0	0	0				1	1.1	10
Calcium	0	0	0				500	492.17	-2
Chromium	0	0	0				2	2.06	3
Cobalt	0	0	0				1	0.99	-1
Copper	0	0	0				2	2.12	6
Iron	0	0	0				50	55.55	11
Lead	0	0	0				1	0.92	-8
Magnesium	0	0	0				500	503.8	1
Manganese	0	0	0				1	1.02	2
Molybdenum	0	0	0				5	4.74	-5
Nickel	0	0	0				1	1.11	11
Potassium	0	0	0				500	481.47	-4
Selenium	0	0	0				5	4.86	-3
Silver	0	0	0				1	1.06	6
Sodium	0	0	0				500	487.37	-3
Strontium	0	0	0				1	1.04	4
Thallium	0	0	0				1	1.01	1
Tin	0	0	0				5	5.23	5
Titanium	0	0	0				5	5.23	5
Uranium	0	0	0				1	0.94	-6
Vanadium	0	0	0				5	4.88	-2
Zinc	0	0	0				2	2.33	17

FORM 15-IN
INITIAL CALIBRATION

Lab Name: LB125816 Contract: _____
 Lab Code: CHEM Case No.: LB125816 MA No.: _____ SDG No.: LB125816
 Instrument ID: P8 Start Date: 06/06/2023
 Analytical Method: _____ Run Batch: LB125816.mdb
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	1000	1059.22	6	2500	2594.6	4	5000	5194.27	4
Antimony	50	53.93	8	125	140.05	12	250	258.85	4
Arsenic	50	51.11	2	125	124.53	0	250	248.4	-1
Barium	250	270.87	8	625	715.13	14	1250	1286.74	3
Beryllium	50	52.79	6	125	137.97	10	250	263.15	5
Cadmium	50	55.72	11	125	143.96	15	250	262.52	5
Calcium	5000	5593.2	12	12500	14587.9	17	25000	26300	5
Chromium	50	50.9	2	125	125.23	0	250	250.14	0
Cobalt	50	50.55	1	125	123.6	-1	250	246.63	-1
Copper	500	522.64	5	1250	1300.55	4	2500	2576.35	3
Iron	2500	2736.52	9	6250	6710.95	7	12500	13394	7
Lead	250	249.37	0	625	671.42	7	1250	1240.7	-1
Magnesium	5000	5347.96	7	12500	13235.8	6	25000	26215.3	5
Manganese	500	508.87	2	1250	1242.32	-1	2500	2541.67	2
Molybdenum	500	497.23	-1	1250	1367.88	9	2500	2572.35	3
Nickel	50	52.5	5	125	128.42	3	250	253.73	1
Potassium	2500	2598.97	4	6250	6455.37	3	12500	12904	3
Selenium	50	53.29	7	125	140.88	13	250	266.75	7
Silver	50	55.48	11	125	143.07	14	250	262.88	5
Sodium	5000	5355.05	7	12500	13233.3	6	25000	25947	4
Strontium	625	1275.34	104	3125	3384.99	8	6250	6452.19	3
Thallium	50	50.66	1	125	133.55	7	250	252.74	1
Tin	50	54.11	8	125	141.15	13	250	260.02	4
Titanium	500	527.79	6	1250	1416.98	13	2500	2551.34	2
Uranium	50	49.06	-2	125	132.66	6	250	246.96	-1
Vanadium	50	50.35	1	125	124.57	0	250	251.23	0
Zinc	500	522.95	5	1250	1269.02	2	2500	2529.51	1

FORM 15-IN
INITIAL CALIBRATION

Lab Name: LB125816 Contract: _____
 Lab Code: CHEM Case No.: LB125816 MA No.: _____ SDG No.: LB125816
 Instrument ID: P8 Start Date: 06/06/2023
 Analytical Method: _____ Run Batch: LB125816.mdb
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	10000	10138.4	1	20000	20933.7	5	100000	99786.7	0
Antimony	500	495.21	-1	1000	998.1	0	0	0.67	0
Arsenic	500	496.02	-1	1000	1002.39	0	0	0.3	0
Barium	2500	2497.86	0	5000	4979.58	0	0	3.59	0
Beryllium	500	500.73	0	1000	994.59	-1	0	0.66	0
Cadmium	500	505.39	1	1000	991.52	-1	0	0.21	0
Calcium	50000	52611.2	5	100000	103174	3	500000	498981	0
Chromium	500	495.75	-1	1000	1002.01	0	0	7.6	0
Cobalt	500	480.39	-4	1000	1010.79	1	0	0.87	0
Copper	5000	4915.52	-2	10000	10015.7	0	0	2.26	0
Iron	25000	26189.3	5	50000	53143.3	6	250000	249194	0
Lead	2500	2481.45	-1	5000	5005.83	0	0	1.02	0
Magnesium	50000	51400.8	3	100000	106370	6	500000	498503	0
Manganese	5000	4966.94	-1	10000	10006.6	0	0	5.17	0
Molybdenum	5000	4984.19	0	10000	9975.22	0	0	2.67	0
Nickel	500	491.55	-2	1000	1002.74	0	0	3.23	0
Potassium	25000	25153.9	1	50000	51677.5	3	250000	249623	0
Selenium	500	508.7	2	1000	989.31	-1	0	0.77	0
Silver	500	513.06	3	1000	987.72	-1	0	0.46	0
Sodium	50000	51242.9	2	100000	107203	7	500000	498366	0
Strontium	12500	12472.2	0	25000	24914.6	0	0	7.67	0
Thallium	500	501.93	0	1000	997.25	0	0	0.23	0
Tin	500	496.32	-1	1000	997.11	0	0	0.57	0
Titanium	5000	5118.66	2	10000	9905.57	-1	0	2.07	0
Uranium	500	497.04	-1	1000	1001.33	0	0	0.08	0
Vanadium	500	489.91	-2	1000	1004.78	0	0	0.4	0
Zinc	5000	4940.44	-1	10000	10018.9	0	0	51.21	0



Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB125816 SDG No.: LB125816

Contract: _____ Lab Code: CHEM Case No.: LB125816 SAS No.: LB125816

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV71	Aluminum	488.7	500	97.7	5.61	90 - 110	P	06/06/2023	12:41	LB125816
	Antimony	201.25	200	100.6	1.93	90 - 110	P	06/06/2023	12:41	LB125816
	Arsenic	195.68	200	97.8	5.61	90 - 110	P	06/06/2023	12:41	LB125816
	Barium	104.52	100	104.5	0.85	90 - 110	P	06/06/2023	12:41	LB125816
	Beryllium	101.09	100	101.1	1.64	90 - 110	P	06/06/2023	12:41	LB125816
	Cadmium	104.71	100	104.7	1.81	90 - 110	P	06/06/2023	12:41	LB125816
	Calcium	2086.93	2000	104.3	1.60	90 - 110	P	06/06/2023	12:41	LB125816
	Chromium	96.43	100	96.4	3.95	90 - 110	P	06/06/2023	12:41	LB125816
	Cobalt	94.66	100	94.7	5.18	90 - 110	P	06/06/2023	12:41	LB125816
	Copper	94.76	100	94.8	5.04	90 - 110	P	06/06/2023	12:41	LB125816
	Iron	1990.18	2000	99.5	2.87	90 - 110	P	06/06/2023	12:41	LB125816
	Lead	205.46	200	102.7	0.57	90 - 110	P	06/06/2023	12:41	LB125816
	Magnesium	1119.56	1200	93.3	4.17	90 - 110	P	06/06/2023	12:41	LB125816
	Manganese	93.15	100	93.2	3.65	90 - 110	P	06/06/2023	12:41	LB125816
	Nickel	107.58	110	97.8	4.29	90 - 110	P	06/06/2023	12:41	LB125816
	Potassium	1862.95	2000	93.1	4.85	90 - 110	P	06/06/2023	12:41	LB125816
	Tin	514.17	500	102.8	1.11	90 - 110	P	06/06/2023	12:41	LB125816
	Selenium	210.4	200	105.2	0.82	90 - 110	P	06/06/2023	12:41	LB125816
	Molybdenum	4740.83	5000	94.8	0.29	90 - 110	P	06/06/2023	12:41	LB125816
	Silver	50.46	50	100.9	0.42	90 - 110	P	06/06/2023	12:41	LB125816
	Sodium	1922.5	2000	96.1	4.71	90 - 110	P	06/06/2023	12:41	LB125816
	Thallium	223.45	210	106.4	1.44	90 - 110	P	06/06/2023	12:41	LB125816
	Uranium	505.12	500	101	0.31	90 - 110	P	06/06/2023	12:41	LB125816
	Vanadium	92.21	100	92.2	6.00	90 - 110	P	06/06/2023	12:41	LB125816
	Zinc	190.91	200	95.5	3.68	90 - 110	P	06/06/2023	12:41	LB125816
	Strontium	508.85	500	101.8	0.71	90 - 110	P	06/06/2023	12:41	LB125816
	Titanium	5084.97	5000	101.7	1.72	90 - 110	P	06/06/2023	12:41	LB125816

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB125816 SDG No.: LB125816

Contract: _____ Lab Code: CHEM Case No.: LB125816 SAS No.: LB125816

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV	Aluminum	20.11	20	100.6	8.36	80 - 120	P	06/06/2023	13:01	LB125816
	Antimony	2.04	2	102	8.23	80 - 120	P	06/06/2023	13:01	LB125816
	Arsenic	1.02	1	102	13.38	80 - 120	P	06/06/2023	13:01	LB125816
	Barium	9.74	10	97.4	3.51	80 - 120	P	06/06/2023	13:01	LB125816
	Beryllium	1.14	1	114	2.20	80 - 120	P	06/06/2023	13:01	LB125816
	Cadmium	1	1	100	3.89	80 - 120	P	06/06/2023	13:01	LB125816
	Calcium	454.35	500	90.9	0.91	80 - 120	P	06/06/2023	13:01	LB125816
	Chromium	2.25	2	112.5	1.82	80 - 120	P	06/06/2023	13:01	LB125816
	Cobalt	0.98	1	98	4.73	80 - 120	P	06/06/2023	13:01	LB125816
	Copper	2.11	2	105.5	3.03	80 - 120	P	06/06/2023	13:01	LB125816
	Iron	58.84	50	117.7	3.06	80 - 120	P	06/06/2023	13:01	LB125816
	Lead	0.94	1	94	2.50	80 - 120	P	06/06/2023	13:01	LB125816
	Magnesium	498.31	500	99.7	3.32	80 - 120	P	06/06/2023	13:01	LB125816
	Manganese	1.04	1	104	12.12	80 - 120	P	06/06/2023	13:01	LB125816
	Nickel	1.05	1	105	5.72	80 - 120	P	06/06/2023	13:01	LB125816
	Potassium	474	500	94.8	2.83	80 - 120	P	06/06/2023	13:01	LB125816
	Molybdenum	4.78	5	95.6	2.95	80 - 120	P	06/06/2023	13:01	LB125816
	Tin	5.05	5	101	1.26	80 - 120	P	06/06/2023	13:01	LB125816
	Selenium	5.21	5	104.2	8.49	80 - 120	P	06/06/2023	13:01	LB125816
	Silver	1.12	1	112	2.28	80 - 120	P	06/06/2023	13:01	LB125816
	Sodium	490.75	500	98.2	1.40	80 - 120	P	06/06/2023	13:01	LB125816
	Thallium	0.97	1	97	3.11	80 - 120	P	06/06/2023	13:01	LB125816
	Uranium	0.9	1	90	0.14	80 - 120	P	06/06/2023	13:01	LB125816
	Vanadium	4.86	5	97.2	1.03	80 - 120	P	06/06/2023	13:01	LB125816
	Zinc	2.07	2	103.5	12.39	80 - 120	P	06/06/2023	13:01	LB125816
	Strontium	1.06	1	106	5.04	80 - 120	P	06/06/2023	13:01	LB125816
	Titanium	5.16	5	103.2	3.20	80 - 120	P	06/06/2023	13:01	LB125816

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB125816 SDG No.: LB125816

Contract: _____ Lab Code: CHEM Case No.: LB125816 SAS No.: LB125816

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV10	Chromium	495.87	500	99.2	0.31	90 - 110	P	06/06/2023	14:11	LB125816
	Cobalt	478.58	500	95.7	1.19	90 - 110	P	06/06/2023	14:11	LB125816
	Copper	4976.13	5000	99.5	1.83	90 - 110	P	06/06/2023	14:11	LB125816
	Iron	132413	125000	105.9	0.86	90 - 110	P	06/06/2023	14:11	LB125816
	Lead	2642.41	2500	105.7	9.48	90 - 110	P	06/06/2023	14:11	LB125816
	Magnesium	252064	250000	100.8	0.86	90 - 110	P	06/06/2023	14:11	LB125816
	Manganese	4984.13	5000	99.7	1.19	90 - 110	P	06/06/2023	14:11	LB125816
	Nickel	480.6	500	96.1	1.43	90 - 110	P	06/06/2023	14:11	LB125816
	Potassium	126445	125000	101.2	1.08	90 - 110	P	06/06/2023	14:11	LB125816
	Tin	524.85	500	105	8.76	90 - 110	P	06/06/2023	14:11	LB125816
	Selenium	509.78	500	102	11.36	90 - 110	P	06/06/2023	14:11	LB125816
	Molybdenum	5231.51	5000	104.6	11.35	90 - 110	P	06/06/2023	14:11	LB125816
	Silver	506.07	500	101.2	9.53	90 - 110	P	06/06/2023	14:11	LB125816
	Sodium	252718	250000	101.1	1.49	90 - 110	P	06/06/2023	14:11	LB125816
	Thallium	538.35	500	107.7	9.04	90 - 110	P	06/06/2023	14:11	LB125816
	Uranium	545.9	500	109.2	9.93	90 - 110	P	06/06/2023	14:11	LB125816
	Vanadium	503.6	500	100.7	1.68	90 - 110	P	06/06/2023	14:11	LB125816
	Zinc	4731.98	5000	94.6	1.39	90 - 110	P	06/06/2023	14:11	LB125816
	Strontium	13261.3	12500	106.1	11.89	90 - 110	P	06/06/2023	14:11	LB125816
	Titanium	5379.02	5000	107.6	9.19	90 - 110	P	06/06/2023	14:11	LB125816
CCV11	Aluminum	51049.4	50000	102.1	1.33	90 - 110	P	06/06/2023	15:56	LB125816
	Antimony	495.26	500	99.1	2.54	90 - 110	P	06/06/2023	15:56	LB125816
	Arsenic	498.45	500	99.7	0.20	90 - 110	P	06/06/2023	15:56	LB125816
	Barium	2531.66	2500	101.3	1.20	90 - 110	P	06/06/2023	15:56	LB125816
	Beryllium	485.11	500	97	1.01	90 - 110	P	06/06/2023	15:56	LB125816
	Cadmium	490.92	500	98.2	2.18	90 - 110	P	06/06/2023	15:56	LB125816
	Calcium	248111	250000	99.2	1.58	90 - 110	P	06/06/2023	15:56	LB125816
	Chromium	492.95	500	98.6	0.51	90 - 110	P	06/06/2023	15:56	LB125816
	Cobalt	475.4	500	95.1	0.28	90 - 110	P	06/06/2023	15:56	LB125816
	Copper	4878.05	5000	97.6	1.38	90 - 110	P	06/06/2023	15:56	LB125816
	Iron	133343	125000	106.7	0.80	90 - 110	P	06/06/2023	15:56	LB125816
	Lead	2533.01	2500	101.3	2.08	90 - 110	P	06/06/2023	15:56	LB125816
	Magnesium	255068	250000	102	0.82	90 - 110	P	06/06/2023	15:56	LB125816
	Manganese	4995.68	5000	99.9	0.88	90 - 110	P	06/06/2023	15:56	LB125816

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB125816

SDG No.: LB125816

Contract: **Lab Code:** CHEM

Case No.: LB125816

SAS No.: LB125816

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		ug/L								
CCV11	Nickel	478.25	500	95.7	0.14	90 - 110	P	06/06/2023	15:56	LB125816
	Potassium	125526	125000	100.4	0.48	90 - 110	P	06/06/2023	15:56	LB125816
	Selenium	486.64	500	97.3	1.36	90 - 110	P	06/06/2023	15:56	LB125816
	Tin	495.25	500	99.1	1.30	90 - 110	P	06/06/2023	15:56	LB125816
	Molybdenum	5054.09	5000	101.1	2.91	90 - 110	P	06/06/2023	15:56	LB125816
	Silver	487.1	500	97.4	1.27	90 - 110	P	06/06/2023	15:56	LB125816
	Sodium	253798	250000	101.5	1.10	90 - 110	P	06/06/2023	15:56	LB125816
	Thallium	521.34	500	104.3	3.89	90 - 110	P	06/06/2023	15:56	LB125816
	Uranium	517.91	500	103.6	0.77	90 - 110	P	06/06/2023	15:56	LB125816
	Vanadium	499.3	500	99.9	1.27	90 - 110	P	06/06/2023	15:56	LB125816
	Zinc	4689.38	5000	93.8	0.63	90 - 110	P	06/06/2023	15:56	LB125816
	Strontium	12644.9	12500	101.2	2.04	90 - 110	P	06/06/2023	15:56	LB125816
	Titanium	5196.05	5000	103.9	1.60	90 - 110	P	06/06/2023	15:56	LB125816



Metals

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CRDL STANDARD FOR AA & ICP

Client: LB125816 SDG No.: LB125816
Contract: _____ Lab Code: CHEM Case No.: LB125816 SAS No.: LB125816
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI	Silver	1.04	1.0	104	70 - 130	P	06/06/2023	13:29	LB125816
	Antimony	2.02	2.0	101	70 - 130	P	06/06/2023	13:29	LB125816
	Barium	10.27	10.0	102.7	70 - 130	P	06/06/2023	13:29	LB125816
	Thallium	1.07	1.0	107	70 - 130	P	06/06/2023	13:29	LB125816
	Lead	1.03	1.0	103	70 - 130	P	06/06/2023	13:29	LB125816
	Sodium	520.52	500	104.1	70 - 130	P	06/06/2023	13:29	LB125816
	Magnesium	506.17	500	101.2	70 - 130	P	06/06/2023	13:29	LB125816
	Aluminum	21.81	20.0	109.1	70 - 130	P	06/06/2023	13:29	LB125816
	Potassium	511.66	500	102.3	70 - 130	P	06/06/2023	13:29	LB125816
	Titanium	5.42	5.0	108.4	70 - 130	P	06/06/2023	13:29	LB125816
	Chromium	2.28	2.0	114	70 - 130	P	06/06/2023	13:29	LB125816
	Manganese	1.24	1.0	124	50 - 150	P	06/06/2023	13:29	LB125816
	Iron	59.04	50.0	118.1	70 - 130	P	06/06/2023	13:29	LB125816
	Cobalt	1	1.0	100	50 - 150	P	06/06/2023	13:29	LB125816
	Nickel	1.05	1.0	105	70 - 130	P	06/06/2023	13:29	LB125816
	Copper	2.37	2.0	118.5	70 - 130	P	06/06/2023	13:29	LB125816
	Zinc	2.55	2.0	127.5	50 - 150	P	06/06/2023	13:29	LB125816
	Arsenic	1.04	1.0	104	70 - 130	P	06/06/2023	13:29	LB125816
	Selenium	5.56	5.0	111.2	70 - 130	P	06/06/2023	13:29	LB125816
	Strontium	1.3	1.0	130	70 - 130	P	06/06/2023	13:29	LB125816
	Molybdenum	5.03	5.0	100.6	70 - 130	P	06/06/2023	13:29	LB125816
	Beryllium	1.13	1.0	113	70 - 130	P	06/06/2023	13:29	LB125816
	Cadmium	0.94	1.0	94	70 - 130	P	06/06/2023	13:29	LB125816
	Tin	4.98	5.0	99.6	70 - 130	P	06/06/2023	13:29	LB125816
	Uranium	0.94	1.0	94	70 - 130	P	06/06/2023	13:29	LB125816
	Calcium	471.27	500	94.3	70 - 130	P	06/06/2023	13:29	LB125816
	Vanadium	4.92	5.0	98.4	70 - 130	P	06/06/2023	13:29	LB125816



Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB125816 SDG No.: LB125816
Contract: Lab Code: CHEM Case No.: LB125816 SAS No.: LB125816

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB71	Aluminum	4.68	+/-20.0	U	20.0	P	06/06/2023	13:04	LB125816
	Antimony	0.01	+/-2.0	U	2.0	P	06/06/2023	13:04	LB125816
	Arsenic	0.082	+/-1.0	U	1.0	P	06/06/2023	13:04	LB125816
	Barium	0.19	+/-10.0	U	10.0	P	06/06/2023	13:04	LB125816
	Beryllium	0.03	+/-1.0	U	1.0	P	06/06/2023	13:04	LB125816
	Cadmium	0.13	+/-1.0	U	1.0	P	06/06/2023	13:04	LB125816
	Calcium	35.2	+/-500	U	500	P	06/06/2023	13:04	LB125816
	Chromium	0.35	+/-2.0	U	2.0	P	06/06/2023	13:04	LB125816
	Cobalt	0.01	+/-1.0	U	1.0	P	06/06/2023	13:04	LB125816
	Copper	0.1	+/-2.0	U	2.0	P	06/06/2023	13:04	LB125816
	Iron	0.68	+/-50.0	U	50.0	P	06/06/2023	13:04	LB125816
	Lead	0.01	+/-1.0	U	1.0	P	06/06/2023	13:04	LB125816
	Magnesium	11.8	+/-500	U	500	P	06/06/2023	13:04	LB125816
	Manganese	0.03	+/-1.0	U	1.0	P	06/06/2023	13:04	LB125816
	Nickel	0.091	+/-1.0	U	1.0	P	06/06/2023	13:04	LB125816
	Potassium	31.8	+/-500	U	500	P	06/06/2023	13:04	LB125816
	Selenium	0.02	+/-5.0	U	5.0	P	06/06/2023	13:04	LB125816
	Molybdenum	0.03	+/-5.0	U	5.0	P	06/06/2023	13:04	LB125816
	Tin	0.04	+/-5.0	U	5.0	P	06/06/2023	13:04	LB125816
	Silver	0.05	+/-1.0	U	1.0	P	06/06/2023	13:04	LB125816
	Sodium	90	+/-500	U	500	P	06/06/2023	13:04	LB125816
	Thallium	0.01	+/-1.0	U	1.0	P	06/06/2023	13:04	LB125816
	Vanadium	0.043	+/-5.0	U	5.0	P	06/06/2023	13:04	LB125816
	Uranium	0.022	+/-1.0	U	1.0	P	06/06/2023	13:04	LB125816
	Zinc	0.06	+/-2.0	U	2.0	P	06/06/2023	13:04	LB125816
	Strontium	0.02	+/-1.0	U	1.0	P	06/06/2023	13:04	LB125816
	Titanium	0.06	+/-5.0	U	5.0	P	06/06/2023	13:04	LB125816



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB125816

SDG No.: LB125816

Contract:

Lab Code: CHEM

Case No.: LB125816

SAS No.: LB125816

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Aluminum	0.69	+/-20.0	U	20.0	P	06/06/2023	13:26	LB125816
	Antimony	0.06	+/-2.0	U	2.0	P	06/06/2023	13:26	LB125816
	Arsenic	0.01	+/-1.0	U	1.0	P	06/06/2023	13:26	LB125816
	Barium	0.02	+/-10.0	U	10.0	P	06/06/2023	13:26	LB125816
	Beryllium	0.11	+/-1.0	J	1.0	P	06/06/2023	13:26	LB125816
	Cadmium	0.13	+/-1.0	U	1.0	P	06/06/2023	13:26	LB125816
	Calcium	35.2	+/-500	U	500	P	06/06/2023	13:26	LB125816
	Chromium	0.35	+/-2.0	U	2.0	P	06/06/2023	13:26	LB125816
	Cobalt	0.02	+/-1.0	U	1.0	P	06/06/2023	13:26	LB125816
	Copper	0.31	+/-2.0	U	2.0	P	06/06/2023	13:26	LB125816
	Iron	3.98	+/-50.0	U	50.0	P	06/06/2023	13:26	LB125816
	Lead	0.07	+/-1.0	U	1.0	P	06/06/2023	13:26	LB125816
	Magnesium	3.85	+/-500	U	500	P	06/06/2023	13:26	LB125816
	Manganese	0.13	+/-1.0	U	1.0	P	06/06/2023	13:26	LB125816
	Nickel	0.091	+/-1.0	U	1.0	P	06/06/2023	13:26	LB125816
	Potassium	11.04	+/-500	U	500	P	06/06/2023	13:26	LB125816
	Selenium	1.38	+/-5.0	U	5.0	P	06/06/2023	13:26	LB125816
	Tin	0.05	+/-5.0	U	5.0	P	06/06/2023	13:26	LB125816
	Molybdenum	0.18	+/-5.0	U	5.0	P	06/06/2023	13:26	LB125816
	Silver	0.02	+/-1.0	U	1.0	P	06/06/2023	13:26	LB125816
	Sodium	46.06	+/-500	U	500	P	06/06/2023	13:26	LB125816
	Thallium	0.09	+/-1.0	U	1.0	P	06/06/2023	13:26	LB125816
	Uranium	0.022	+/-1.0	U	1.0	P	06/06/2023	13:26	LB125816
	Vanadium	0.01	+/-5.0	U	5.0	P	06/06/2023	13:26	LB125816
	Zinc	0.01	+/-2.0	U	2.0	P	06/06/2023	13:26	LB125816
	Strontium	0.14	+/-1.0	U	1.0	P	06/06/2023	13:26	LB125816
	Titanium	0.18	+/-5.0	U	5.0	P	06/06/2023	13:26	LB125816
CCB10	Aluminum	0.29	+/-20.0	U	20.0	P	06/06/2023	14:18	LB125816
	Antimony	0.1	+/-2.0	J	2.0	P	06/06/2023	14:18	LB125816
	Arsenic	0.082	+/-1.0	U	1.0	P	06/06/2023	14:18	LB125816
	Barium	0.04	+/-10.0	U	10.0	P	06/06/2023	14:18	LB125816
	Beryllium	0.43	+/-1.0	J	1.0	P	06/06/2023	14:18	LB125816
	Cadmium	0.13	+/-1.0	U	1.0	P	06/06/2023	14:18	LB125816
	Calcium	35.2	+/-500	U	500	P	06/06/2023	14:18	LB125816
	Chromium	0.09	+/-2.0	U	2.0	P	06/06/2023	14:18	LB125816
	Cobalt	0.02	+/-1.0	U	1.0	P	06/06/2023	14:18	LB125816
	Copper	0.47	+/-2.0	U	2.0	P	06/06/2023	14:18	LB125816
	Iron	3.33	+/-50.0	U	50.0	P	06/06/2023	14:18	LB125816
	Lead	0.14	+/-1.0	U	1.0	P	06/06/2023	14:18	LB125816
	Magnesium	1.63	+/-500	U	500	P	06/06/2023	14:18	LB125816



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB125816

SDG No.: LB125816

Contract:

Lab Code: CHEM

Case No.: LB125816

SAS No.: LB125816

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB10	Manganese	0.22	+/-1.0	U	1.0	P	06/06/2023	14:18	LB125816
	Nickel	0.091	+/-1.0	U	1.0	P	06/06/2023	14:18	LB125816
	Potassium	10.93	+/-500	U	500	P	06/06/2023	14:18	LB125816
	Molybdenum	0.22	+/-5.0	U	5.0	P	06/06/2023	14:18	LB125816
	Selenium	1.38	+/-5.0	U	5.0	P	06/06/2023	14:18	LB125816
	Tin	0.03	+/-5.0	U	5.0	P	06/06/2023	14:18	LB125816
	Silver	0.02	+/-1.0	U	1.0	P	06/06/2023	14:18	LB125816
	Sodium	73.45	+/-500	U	500	P	06/06/2023	14:18	LB125816
	Thallium	0.11	+/-1.0	J	1.0	P	06/06/2023	14:18	LB125816
	Uranium	0.022	+/-1.0	U	1.0	P	06/06/2023	14:18	LB125816
	Vanadium	0.02	+/-5.0	U	5.0	P	06/06/2023	14:18	LB125816
	Zinc	0.09	+/-2.0	U	2.0	P	06/06/2023	14:18	LB125816
	Strontium	0.18	+/-1.0	U	1.0	P	06/06/2023	14:18	LB125816
	Titanium	0.25	+/-5.0	U	5.0	P	06/06/2023	14:18	LB125816
CCB11	Aluminum	1.4	+/-20.0	U	20.0	P	06/06/2023	16:03	LB125816
	Antimony	0.09	+/-2.0	U	2.0	P	06/06/2023	16:03	LB125816
	Arsenic	0.082	+/-1.0	U	1.0	P	06/06/2023	16:03	LB125816
	Barium	0.06	+/-10.0	U	10.0	P	06/06/2023	16:03	LB125816
	Beryllium	0.17	+/-1.0	J	1.0	P	06/06/2023	16:03	LB125816
	Cadmium	0.13	+/-1.0	U	1.0	P	06/06/2023	16:03	LB125816
	Calcium	35.2	+/-500	U	500	P	06/06/2023	16:03	LB125816
	Chromium	0.11	+/-2.0	U	2.0	P	06/06/2023	16:03	LB125816
	Cobalt	0.02	+/-1.0	U	1.0	P	06/06/2023	16:03	LB125816
	Copper	0.29	+/-2.0	U	2.0	P	06/06/2023	16:03	LB125816
	Iron	6.05	+/-50.0	U	50.0	P	06/06/2023	16:03	LB125816
	Lead	0.09	+/-1.0	U	1.0	P	06/06/2023	16:03	LB125816
	Magnesium	4.04	+/-500	U	500	P	06/06/2023	16:03	LB125816
	Manganese	0.28	+/-1.0	U	1.0	P	06/06/2023	16:03	LB125816
	Nickel	0.091	+/-1.0	U	1.0	P	06/06/2023	16:03	LB125816
	Potassium	31.69	+/-500	U	500	P	06/06/2023	16:03	LB125816
	Tin	0.03	+/-5.0	U	5.0	P	06/06/2023	16:03	LB125816
	Selenium	0.12	+/-5.0	U	5.0	P	06/06/2023	16:03	LB125816
	Molybdenum	0.24	+/-5.0	U	5.0	P	06/06/2023	16:03	LB125816
	Silver	0.01	+/-1.0	U	1.0	P	06/06/2023	16:03	LB125816
	Sodium	24.1	+/-500	U	500	P	06/06/2023	16:03	LB125816
	Thallium	0.07	+/-1.0	U	1.0	P	06/06/2023	16:03	LB125816
	Uranium	0.01	+/-1.0	U	1.0	P	06/06/2023	16:03	LB125816
	Vanadium	0.01	+/-5.0	U	5.0	P	06/06/2023	16:03	LB125816
	Zinc	0.09	+/-2.0	U	2.0	P	06/06/2023	16:03	LB125816
	Strontium	0.29	+/-1.0	J	1.0	P	06/06/2023	16:03	LB125816



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	LB125816				SDG No.:	LB125816				
Contract:		Lab Code:	CHEM		Case No.:	LB125816		SAS No.:	LB125816	
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number	
CCB11	Titanium	0.21	+/-5.0	U	5.0	P	06/06/2023	16:03	LB125816	



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB125816

SDG No.: LB125816

Contract: Lab Code: CHEM

Case No.: LB125816

SAS No.: LB125816

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: LB125816

SDG No.: LB125816

Instrument: P8

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB153217BL		WATER		Batch Number:	PB153217		Prep Date:	06/05/2023	
	Aluminum	0.13	<20	U	20	P	06/06/2023	15:22	LB125816
	Antimony	0.03	<2	U	2	P	06/06/2023	15:22	LB125816
	Arsenic	0.082	<1	U	1	P	06/06/2023	15:22	LB125816
	Barium	0.11	<10	U	10	P	06/06/2023	15:22	LB125816
	Beryllium	0.11	<1	J	1	P	06/06/2023	15:22	LB125816
	Cadmium	0.13	<1	U	1	P	06/06/2023	15:22	LB125816
	Calcium	35.2	<500	U	500	P	06/06/2023	15:22	LB125816
	Chromium	0.19	<2	U	2	P	06/06/2023	15:22	LB125816
	Cobalt	0.048	<1	U	1	P	06/06/2023	15:22	LB125816
	Copper	0.54	<2	U	2	P	06/06/2023	15:22	LB125816
	Iron	2.18	<50	U	50	P	06/06/2023	15:22	LB125816
	Lead	0.1	<1	U	1	P	06/06/2023	15:22	LB125816
	Magnesium	11.8	<500	U	500	P	06/06/2023	15:22	LB125816
	Manganese	0.02	<1	U	1	P	06/06/2023	15:22	LB125816
	Nickel	0.091	<1	U	1	P	06/06/2023	15:22	LB125816
	Potassium	14	<500	U	500	P	06/06/2023	15:22	LB125816
	Tin	0.02	<5	U	5	P	06/06/2023	15:22	LB125816
	Selenium	1.38	<5	U	5	P	06/06/2023	15:22	LB125816
	Molybdenum	0.18	<5	U	5	P	06/06/2023	15:22	LB125816
	Silver	0.02	<1	U	1	P	06/06/2023	15:22	LB125816
	Sodium	90	<500	U	500	P	06/06/2023	15:22	LB125816
	Thallium	0.05	<1	U	1	P	06/06/2023	15:22	LB125816
	Uranium	0.03	<1	J	1	P	06/06/2023	15:22	LB125816
	Vanadium	0.01	<5	U	5	P	06/06/2023	15:22	LB125816
	Zinc	0.13	<2	U	2	P	06/06/2023	15:22	LB125816
	Strontium	0.35	<1	J	1	P	06/06/2023	15:22	LB125816
	Titanium	0.26	<5	U	5	P	06/06/2023	15:22	LB125816
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB153217TB		WATER		Batch Number:	PB153217		Prep Date:	06/05/2023	
	Aluminum	0.62	<20	U	20	P	06/06/2023	15:53	LB125816
	Antimony	0.09	<2	U	2	P	06/06/2023	15:53	LB125816
	Arsenic	0.082	<1	U	1	P	06/06/2023	15:53	LB125816
	Barium	0.07	<10	U	10	P	06/06/2023	15:53	LB125816
	Beryllium	0.16	<1	J	1	P	06/06/2023	15:53	LB125816
	Cadmium	0.13	<1	U	1	P	06/06/2023	15:53	LB125816
	Calcium	35.2	<500	U	500	P	06/06/2023	15:53	LB125816
	Chromium	0.16	<2	U	2	P	06/06/2023	15:53	LB125816
	Cobalt	0.01	<1	U	1	P	06/06/2023	15:53	LB125816
	Copper	0.14	<2	U	2	P	06/06/2023	15:53	LB125816
	Iron	3.33	<50	U	50	P	06/06/2023	15:53	LB125816

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: LB125816

SDG No.: LB125816

Instrument: P8

Lead	0.1	<1	U	1	P	06/06/2023	15:53	LB125816
Magnesium	11.8	<500	U	500	P	06/06/2023	15:53	LB125816
Manganese	0.34	<1	J	1	P	06/06/2023	15:53	LB125816
Nickel	0.091	<1	U	1	P	06/06/2023	15:53	LB125816
Potassium	17.4	<500	U	500	P	06/06/2023	15:53	LB125816
Selenium	0.09	<5	U	5	P	06/06/2023	15:53	LB125816
Tin	0.02	<5	U	5	P	06/06/2023	15:53	LB125816
Molybdenum	0.11	<5	U	5	P	06/06/2023	15:53	LB125816
Silver	0.01	<1	U	1	P	06/06/2023	15:53	LB125816
Sodium	0.72	<500	U	500	P	06/06/2023	15:53	LB125816
Thallium	0.05	<1	U	1	P	06/06/2023	15:53	LB125816
Vanadium	0.01	<5	U	5	P	06/06/2023	15:53	LB125816
Uranium	0.01	<1	U	1	P	06/06/2023	15:53	LB125816
Zinc	1.26	<2	U	2	P	06/06/2023	15:53	LB125816
Strontium	0.05	<1	U	1	P	06/06/2023	15:53	LB125816
Titanium	0.22	<5	U	5	P	06/06/2023	15:53	LB125816

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB153246BL	SOLID			Batch Number:	PB153246		Prep Date:	06/07/2023	
	Aluminum	0.168	<2	U	2	P	06/06/2023	13:32	LB125816
	Antimony	0.003	<0.2	U	0.2	P	06/06/2023	13:32	LB125816
	Arsenic	0.001	<0.1	U	0.1	P	06/06/2023	13:32	LB125816
	Barium	0.003	<1	U	1	P	06/06/2023	13:32	LB125816
	Beryllium	0.008	<0.1	U	0.1	P	06/06/2023	13:32	LB125816
	Cadmium	0.008	<0.1	U	0.1	P	06/06/2023	13:32	LB125816
	Calcium	2.89	<50	U	50	P	06/06/2023	13:32	LB125816
	Chromium	0.024	<0.2	J	0.2	P	06/06/2023	13:32	LB125816
	Cobalt	0.001	<0.1	U	0.1	P	06/06/2023	13:32	LB125816
	Copper	0.026	<0.2	U	0.2	P	06/06/2023	13:32	LB125816
	Iron	0.545	<5	J	5	P	06/06/2023	13:32	LB125816
	Lead	0.006	<0.1	U	0.1	P	06/06/2023	13:32	LB125816
	Magnesium	0.44	<50	J	50	P	06/06/2023	13:32	LB125816
	Manganese	0.017	<0.1	J	0.1	P	06/06/2023	13:32	LB125816
	Nickel	0.001	<0.1	U	0.1	P	06/06/2023	13:32	LB125816
	Potassium	2.17	<50	J	50	P	06/06/2023	13:32	LB125816
	Selenium	0.046	<0.5	U	0.5	P	06/06/2023	13:32	LB125816
	Tin	0.001	<0.5	U	0.5	P	06/06/2023	13:32	LB125816
	Molybdenum	0.011	<0.5	U	0.5	P	06/06/2023	13:32	LB125816
	Silver	0.001	<0.1	U	0.1	P	06/06/2023	13:32	LB125816
	Sodium	2.73	<50	U	50	P	06/06/2023	13:32	LB125816
	Thallium	0.006	<0.1	U	0.1	P	06/06/2023	13:32	LB125816
	Uranium	0.003	<0.1	U	0.1	P	06/06/2023	13:32	LB125816
	Vanadium	0.001	<0.5	U	0.5	P	06/06/2023	13:32	LB125816
	Zinc	0.006	<0.2	U	0.2	P	06/06/2023	13:32	LB125816
	Strontium	0.015	<0.1	U	0.1	P	06/06/2023	13:32	LB125816



Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: LB125816

SDG No.: LB125816

Instrument: P8

Titanium	0.024	<0.5	U	0.5	P	06/06/2023	13:32	LB125816
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Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: LB125816	SDG No.: LB125816
Contract: _____	Lab Code: CHEM
ICS Source: _____	Case No.: LB125816
	SAS No.: LB125816
	Instrument ID: P8

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window	Analysis Date	Analysis Time	Run Number
ICSA71	Aluminum	98000	100000	98	0 - 0%	06/06/2023	13:07	LB125816
	Antimony	1.09	1.5	72.7	-2.5 - 5.5%	06/06/2023	13:07	LB125816
	Arsenic	0.44	0.1	440	-1.9 - 2.1%	06/06/2023	13:07	LB125816
	Barium	1.39	1.2	115.8	-18.8 - 21.2%	06/06/2023	13:07	LB125816
	Beryllium	0.3				06/06/2023	13:07	LB125816
	Cadmium	0.42	0.7	60	-1.3 - 2.7%	06/06/2023	13:07	LB125816
	Calcium	97100	100000	97.1	0 - 0%	06/06/2023	13:07	LB125816
	Chromium	20.5	21	97.6	17 - 25%	06/06/2023	13:07	LB125816
	Cobalt	1.15	1	115	-1 - 3%	06/06/2023	13:07	LB125816
	Copper	7.5	8	93.8	4 - 12%	06/06/2023	13:07	LB125816
	Iron	109000	100000	109	0 - 0%	06/06/2023	13:07	LB125816
	Lead	4.35	4	108.8	2 - 6%	06/06/2023	13:07	LB125816
	Magnesium	95800	100000	95.8	0 - 0%	06/06/2023	13:07	LB125816
	Manganese	7.82	7	111.7	5 - 9%	06/06/2023	13:07	LB125816
	Nickel	5.63	6	93.8	4 - 8%	06/06/2023	13:07	LB125816
	Potassium	99800	100000	99.8	0 - 0%	06/06/2023	13:07	LB125816
	Molybdenum	1800	2000	90	1600 - 2400%	06/06/2023	13:07	LB125816
	Tin	0.16				06/06/2023	13:07	LB125816
	Selenium	0	0.3		-9.7 - 10%	06/06/2023	13:07	LB125816
	Silver	0.02				06/06/2023	13:07	LB125816
	Sodium	101000	100000	101	0 - 0%	06/06/2023	13:07	LB125816
	Thallium	0.09				06/06/2023	13:07	LB125816
	Uranium	0.02				06/06/2023	13:07	LB125816
	Vanadium	0.16	0.5	32	-9.5 - 10.5%	06/06/2023	13:07	LB125816
	Zinc	10.38	11	94.4	7 - 15%	06/06/2023	13:07	LB125816
	Strontium	34.8				06/06/2023	13:07	LB125816
	Titanium	2080	2000	104	1600 - 2400%	06/06/2023	13:07	LB125816
ICSAB71	Aluminum	95700	100000	95.7	0 - 0%	06/06/2023	13:10	LB125816
	Antimony	20.4	22	92.7	18 - 26%	06/06/2023	13:10	LB125816
	Arsenic	20.2	19	106.3	16.2 - 21.9%	06/06/2023	13:10	LB125816
	Barium	21.3	22	96.8	2 - 42%	06/06/2023	13:10	LB125816
	Beryllium	19.8	19	104.2	16.2 - 21.9%	06/06/2023	13:10	LB125816
	Cadmium	19.3	20	96.5	17 - 23%	06/06/2023	13:10	LB125816
	Calcium	96800	100000	96.8	0 - 0%	06/06/2023	13:10	LB125816
	Chromium	38.7	40	96.8	34 - 46%	06/06/2023	13:10	LB125816
	Cobalt	20.2	20	101	17 - 23%	06/06/2023	13:10	LB125816
	Copper	26.1	25	104.4	21 - 29%	06/06/2023	13:10	LB125816
	Iron	104000	100000	104	0 - 0%	06/06/2023	13:10	LB125816
	Lead	25.7	25	102.8	21.3 - 28.8%	06/06/2023	13:10	LB125816
	Magnesium	91900	100000	91.9	0 - 0%	06/06/2023	13:10	LB125816
	Manganese	25.9	27	95.9	23 - 31.1%	06/06/2023	13:10	LB125816
	Nickel	24.8	24	103.3	20.4 - 27.6%	06/06/2023	13:10	LB125816
	Potassium	95200	100000	95.2	0 - 0%	06/06/2023	13:10	LB125816
	Molybdenum	1860	2000	93	1600 - 2400%	06/06/2023	13:10	LB125816
	Selenium	19.6	19	103.2	9 - 29%	06/06/2023	13:10	LB125816

Metals

- 4 -

INTERFERENCE CHECK SAMPLE

Client: LB125816 SDG No.: LB125816
Contract: Lab Code: CHEM Case No.: LB125816 SAS No.: LB125816
ICS Source: Instrument ID: P8

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window	Analysis Date	Analysis Time	Run Number
ICSAB71	Tin	46.5				06/06/2023	13:10	LB125816
	Silver	18.7	18	103.9	15.3 - 20.7%	06/06/2023	13:10	LB125816
	Sodium	96800	100000	96.8	0 - 0%	06/06/2023	13:10	LB125816
	Thallium	22.5	21	107.1	17.9 - 24.2%	06/06/2023	13:10	LB125816
	Uranium	46.6				06/06/2023	13:10	LB125816
	Vanadium	19.3	19	101.6	9 - 29%	06/06/2023	13:10	LB125816
	Zinc	28.7	29	99	25 - 33%	06/06/2023	13:10	LB125816
	Strontium	83.3				06/06/2023	13:10	LB125816
	Titanium	2090	2000	104.5	1600 - 2400%	06/06/2023	13:10	LB125816



metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB125816 level: low sdg no.: LB125816
contract: lab code: CHEM case no.: LB125816 sas no.: LB125816
matrix: Water sample id: O3024-01DL client id: TOPSOIL-OU3-GRILLO-1MSDDL
Percent Solids for Sample: 0 Spiked ID: O3024-01MSDDL Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	84 - 117	103000	D	99300	D	10000	34		P
Antimony	ug/L	85 - 117	522	D	1.1	JD	500	104		P
Arsenic	ug/L	84 - 116	602	D	93.5	D	500	102		P
Barium	ug/L	86 - 114	2940	D	171	D	2500	111		P
Beryllium	ug/L	83 - 121	531	D	12.8	D	500	104		P
Cadmium	ug/L	87 - 115	562	D	15.9	D	500	109		P
Calcium	ug/L	87 - 118	327000	D	292000	D	50000	69		P
Chromium	ug/L	85 - 116	594	D	99.9	D	500	99		P
Cobalt	ug/L	86 - 115	634	D	132	D	500	100		P
Copper	ug/L	85 - 118	5650	D	262	D	5000	108		P
Iron	ug/L	87 - 118	73800	D	49100	D	25000	99		P
Lead	ug/L	88 - 115	2440	D	339	D	2500	84	N	P
Magnesium	ug/L	83 - 118	115000	D	63700	D	50000	102		P
Manganese	ug/L	87 - 115	18600	D	14600	D	5000	79	N	P
Nickel	ug/L	85 - 117	638	D	135	D	500	101		P
Potassium	ug/L	87 - 115	83600	D	65800	D	25000	71	N	P
Molybdenum	ug/L	83 - 115	2010	D	25.0	UD	2500	80	N	P
Tin	ug/L	86 - 115	527	D	25.0	UD	500	105		P
Selenium	ug/L	80 - 120	528	D	25.0	UD	500	105		P
Silver	ug/L	85 - 116	568	D	5.0	UD	500	114		P
Sodium	ug/L	85 - 117	73800	D	20000	D	50000	108		P
Thallium	ug/L	82 - 116	515	D	1	JD	500	103		P
Uranium	ug/L	87 - 120	501	D	2	JD	500	100		P
Vanadium	ug/L	86 - 115	704	D	194	D	500	102		P
Zinc	ug/L	83 - 119	3280	D	3590	D	5000	-6	N	P
Strontium	ug/L	82 - 118	1520	D	1040	D	5000	10	N	P
Titanium	ug/L	83 - 115	2290	D	35.4	D	2500	90		P



metals
- 5a -
MATRIX SPIKE SUMMARY

client: LB125816

level: low

sdg no.: LB125816

contract:

lab code: CHEM

case no.: LB125816

sas no.: LB125816

matrix: Water

sample id: O3024-01DL

client id: TOPSOIL-OU3-GRILLO-1MSDL

Percent Solids for Sample: 0

Spiked ID: O3024-01MSDL

Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	84 - 117	101000	D	99300	D	10000	19		P
Antimony	ug/L	85 - 117	525	D	1.1	JD	500	105		P
Arsenic	ug/L	84 - 116	595	D	93.5	D	500	100		P
Barium	ug/L	86 - 114	2940	D	171	D	2500	111		P
Beryllium	ug/L	83 - 121	536	D	12.8	D	500	105		P
Cadmium	ug/L	87 - 115	558	D	15.9	D	500	108		P
Calcium	ug/L	87 - 118	335000	D	292000	D	50000	85		P
Chromium	ug/L	85 - 116	584	D	99.9	D	500	97		P
Cobalt	ug/L	86 - 115	625	D	132	D	500	98		P
Copper	ug/L	85 - 118	5610	D	262	D	5000	107		P
Iron	ug/L	87 - 118	73000	D	49100	D	25000	95		P
Lead	ug/L	88 - 115	2410	D	339	D	2500	83	N	P
Magnesium	ug/L	83 - 118	111000	D	63700	D	50000	94		P
Manganese	ug/L	87 - 115	18300	D	14600	D	5000	74	N	P
Nickel	ug/L	85 - 117	624	D	135	D	500	98		P
Potassium	ug/L	87 - 115	82200	D	65800	D	25000	66	N	P
Molybdenum	ug/L	83 - 115	2030	D	25.0	UD	2500	81	N	P
Tin	ug/L	86 - 115	524	D	25.0	UD	500	105		P
Selenium	ug/L	80 - 120	534	D	25.0	UD	500	106		P
Silver	ug/L	85 - 116	572	D	5.0	UD	500	114		P
Sodium	ug/L	85 - 117	73300	D	20000	D	50000	107		P
Thallium	ug/L	82 - 116	511	D	1	JD	500	102		P
Uranium	ug/L	87 - 120	499	D	2	JD	500	99		P
Vanadium	ug/L	86 - 115	688	D	194	D	500	99		P
Zinc	ug/L	83 - 119	3250	D	3590	D	5000	-7	N	P
Strontium	ug/L	82 - 118	1510	D	1040	D	5000	9	N	P
Titanium	ug/L	83 - 115	2260	D	35.4	D	2500	89		P



Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: LB125816

SDG No.: LB125816

Contract:

Lab Code: CHEM

Case No.: LB125816

SAS No.: LB125816

Matrix: Water

Level: LOW

Client ID: TOPSOIL-OU3-GRILLO-1ADL

Sample ID: O3024-01DL

Spiked ID: O3024-01ADL

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Lead	ug/L	88 - 115	2430	D	339	D	2500	84		P
Manganese	ug/L	87 - 115	19800	D	14600	D	5000	102		P
Potassium	ug/L	87 - 115	88700	D	65800	D	25000	92		P
Zinc	ug/L	83 - 119	3480	D	3590	D	5000	-2		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: LB125816 **Level:** LOW **SDG No.:** LB125816
Contract: _____ **Lab Code:** CHEM **Case No.:** LB125816 **SAS No.:** LB125816
Matrix: Water **Sample ID:** O3024-01DL **Client ID:** TOPSOIL-OU3-GRILLO-1DUPDL
Percent Solids for Sample: 0 **Duplicate ID** O3024-01DUPDL **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	99300	D	99200	D	0		P
Antimony	ug/L	20	1.1	JD	1	JD	10		P
Arsenic	ug/L	20	93.5	D	96.3	D	3		P
Barium	ug/L	20	171	D	173	D	1		P
Beryllium	ug/L	20	12.8	D	12.8	D	0		P
Cadmium	ug/L	20	15.9	D	17.3	D	8		P
Calcium	ug/L	20	292000	D	296000	D	1		P
Chromium	ug/L	20	99.9	D	98.9	D	1		P
Cobalt	ug/L	20	132	D	131	D	1		P
Copper	ug/L	20	262	D	259	D	1		P
Iron	ug/L	20	49100	D	49300	D	0		P
Lead	ug/L	20	339	D	345	D	2		P
Magnesium	ug/L	20	63700	D	64600	D	1		P
Manganese	ug/L	20	14600	D	14400	D	1		P
Nickel	ug/L	20	135	D	135	D	0		P
Potassium	ug/L	20	65800	D	65800	D	0		P
Tin	ug/L	20	25.0	UD	1.05	UD	200		P
Selenium	ug/L	20	25.0	UD	3.75	UD	200		P
Molybdenum	ug/L	20	25.0	UD	0.75	UD	200		P
Silver	ug/L	20	5.0	UD	0	UD	200		P
Sodium	ug/L	20	20000	D	20000	D	0		P
Thallium	ug/L	20	1	JD	0.95	JD	5		P
Uranium	ug/L	20	2	JD	2	JD	0		P
Vanadium	ug/L	20	194	D	193	D	1		P
Zinc	ug/L	20	3590	D	3580	D	0		P
Strontium	ug/L	20	1040	D	1060	D	2		P
Titanium	ug/L	20	35.4	D	35.1	D	1		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: LB125816 **Level:** LOW **SDG No.:** LB125816
Contract: _____ **Lab Code:** CHEM **Case No.:** LB125816 **SAS No.:** LB125816
Matrix: Water **Sample ID:** O3024-01MSDL **Client ID:** TOPSOIL-OU3-GRILLO-1MSDDL
Percent Solids for Sample: 0 **Duplicate ID** O3024-01MSDDL **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	101000	D	103000	D	2		P
Antimony	ug/L	20	525	D	522	D	1		P
Arsenic	ug/L	20	595	D	602	D	1		P
Barium	ug/L	20	2940	D	2940	D	0		P
Beryllium	ug/L	20	536	D	531	D	1		P
Cadmium	ug/L	20	558	D	562	D	1		P
Calcium	ug/L	20	335000	D	327000	D	2		P
Chromium	ug/L	20	584	D	594	D	2		P
Cobalt	ug/L	20	625	D	634	D	1		P
Copper	ug/L	20	5610	D	5650	D	1		P
Iron	ug/L	20	73000	D	73800	D	1		P
Lead	ug/L	20	2410	D	2440	D	1		P
Magnesium	ug/L	20	111000	D	115000	D	4		P
Manganese	ug/L	20	18300	D	18600	D	2		P
Nickel	ug/L	20	624	D	638	D	2		P
Potassium	ug/L	20	82200	D	83600	D	2		P
Selenium	ug/L	20	534	D	528	D	1		P
Tin	ug/L	20	524	D	527	D	1		P
Molybdenum	ug/L	20	2030	D	2010	D	1		P
Silver	ug/L	20	572	D	568	D	1		P
Sodium	ug/L	20	73300	D	73800	D	1		P
Thallium	ug/L	20	511	D	515	D	1		P
Uranium	ug/L	20	499	D	501	D	0		P
Vanadium	ug/L	20	688	D	704	D	2		P
Zinc	ug/L	20	3250	D	3280	D	1		P
Strontium	ug/L	20	1510	D	1520	D	1		P
Titanium	ug/L	20	2260	D	2290	D	1		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB125816 SDG No.: LB125816
 Contract: _____ Lab Code: CHEM Case No.: LB125816 SAS No.: LB125816

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB153217BS							
Aluminum	ug/L	10000	10500		105	84 - 117	P
Antimony	ug/L	500	509		101.8	85 - 117	P
Arsenic	ug/L	500	497		99.4	84 - 116	P
Barium	ug/L	2500	2550		102	86 - 114	P
Beryllium	ug/L	500	506		101.2	83 - 121	P
Cadmium	ug/L	500	513		102.6	87 - 115	P
Calcium	ug/L	50000	52100		104.2	87 - 118	P
Chromium	ug/L	500	494		98.8	85 - 116	P
Cobalt	ug/L	500	482		96.4	86 - 115	P
Copper	ug/L	5000	4990		99.8	85 - 118	P
Iron	ug/L	25000	26500		106	87 - 118	P
Lead	ug/L	2500	2460		98.4	88 - 115	P
Magnesium	ug/L	50000	52600		105.2	83 - 118	P
Manganese	ug/L	5000	5020		100.4	87 - 115	P
Nickel	ug/L	500	498		99.6	85 - 117	P
Potassium	ug/L	25000	26100		104.4	87 - 115	P
Molybdenum	ug/L	5500	4970		90.4	83 - 115	P
Tin	ug/L	500	506		101.2	86 - 115	P
Selenium	ug/L	500	515		103	80 - 120	P
Silver	ug/L	500	517		103.4	85 - 116	P
Sodium	ug/L	50000	52300		104.6	85 - 117	P
Thallium	ug/L	500	498		99.6	82 - 116	P
Uranium	ug/L	500	485		97	87 - 120	P
Vanadium	ug/L	500	494		98.8	86 - 115	P
Zinc	ug/L	5000	4920		98.4	83 - 119	P
Strontium	ug/L	12500	12500		100	82 - 118	P
Titanium	ug/L	5500	5060		92	83 - 115	P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB125816 SDG No.: LB125816
 Contract: _____ Lab Code: CHEM Case No.: LB125816 SAS No.: LB125816

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB153246BS							
Aluminum	mg/Kg	1000	1040		104	80 - 120	P
Antimony	mg/Kg	50	52.7		105.4	80 - 120	P
Arsenic	mg/Kg	50	50		100	80 - 120	P
Barium	mg/Kg	250	262		104.8	80 - 120	P
Beryllium	mg/Kg	50	52		104	80 - 120	P
Cadmium	mg/Kg	50	53.3		106.6	80 - 120	P
Calcium	mg/Kg	5000	5520		110.4	80 - 120	P
Chromium	mg/Kg	50	49.7		99.4	80 - 120	P
Cobalt	mg/Kg	50	48.8		97.6	80 - 120	P
Copper	mg/Kg	500	503		100.6	80 - 120	P
Iron	mg/Kg	2500	2640		105.6	80 - 120	P
Lead	mg/Kg	250	260		104	80 - 120	P
Magnesium	mg/Kg	5000	5240		104.8	80 - 120	P
Manganese	mg/Kg	500	505		101	80 - 120	P
Nickel	mg/Kg	50	49.9		99.8	80 - 120	P
Potassium	mg/Kg	2500	2620		104.8	80 - 120	P
Selenium	mg/Kg	50	53.9		107.8	80 - 120	P
Molybdenum	mg/Kg	550	526		95.6	80 - 120	P
Tin	mg/Kg	50	52.3		104.6	80 - 120	P
Silver	mg/Kg	50	53.3		106.6	80 - 120	P
Sodium	mg/Kg	5000	5220		104.4	80 - 120	P
Thallium	mg/Kg	50	52.4		104.8	80 - 120	P
Uranium	mg/Kg	50	52.1		104.2	80 - 120	P
Vanadium	mg/Kg	50	49.5		99	80 - 120	P
Zinc	mg/Kg	500	495		99	80 - 120	P
Strontium	mg/Kg	1300	1340		103.1	80 - 120	P
Titanium	mg/Kg	550	544		98.9	80 - 120	P

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: _____

Contract: _____

Lab Code: CHEM Case no.: _____

Sas No.: _____ SDG No.: LB125816

Instrument ID: P8

Start Date : 06/06/2023

Run Number: _____

End Date : 06/06/2023

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
TUNE	TUNE	1105	100		104		103		105		105	
S0	S0	1202	100		100		100		100		100	
S2	S2	1205	101		100		99		97		99	
S3	S3	1208	102		100		100		100		99	
S4	S4	1211	97		92		92		92		94	
S5	S5	1214	99		99		95		96		100	
S6	S6	1217	102		97		97		96		102	
S7	S7	1221	101		99		96		94		100	
S8	S8	1223	93		89		87		81		91	
ICV71	ICV71	1241	99		95		92		94		97	
LLICV	LLICV	1301	96		97		96		96		98	
ICB71	ICB71	1304	101		97		97		97		99	
ICSA71	ICSA71	1307	102		96		95		92		100	
ICSAB71	ICSAB71	1310	102		95		95		91		101	
CCV09	CCV09	1316	99		91		90		86		94	
CCB09	CCB09	1326	100		94		95		96		98	
CRI	CRI	1329	99		91		91		93		95	
PB153246BL	PB153246BL	1332	97		93		92		94		96	
ZZZZZZ	ZZZZZZ	1332										
PB153246BS	PB153246BS	1335	97		91		90		90		95	
ZZZZZZ	ZZZZZZ	1335										
O2500-11	PT-MET-SOIL	1355	197	*	104		106		93		102	
ZZZZZZ	ZZZZZZ	1355										
O2500-11	PT-MET-SOIL	1400	122		94		94		92		96	
ZZZZZZ	ZZZZZZ	1400										
O2500-11	PT-MET-SOIL	1403	114		96		95		95		100	
ZZZZZZ	ZZZZZZ	1403										
CCV10	CCV10	1411	97		91		89		84		93	
CCB10	CCB10	1418	99		93		92		93		95	
PB153217BL	PB153217BL	1522	99		93		90		94		92	
ZZZZZZ	ZZZZZZ	1522										
PB153217BS	PB153217BS	1525	99		95		91		90		95	
ZZZZZZ	ZZZZZZ	1525										
O3024-01	TOPSOIL-OU3	1535	101		91		94		91		96	
ZZZZZZ	ZZZZZZ	1535										
O3024-01DUP	TOPSOIL-OU3	1538	98		87		89		87		92	
ZZZZZZ	ZZZZZZ	1538										

Internal Standard %RI Limit: 70 - 130

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: _____

Contract: _____

Lab Code: CHEM Case no.: _____

Sas No.: _____ SDG No.: LB125816

Instrument ID: P8

Start Date : 06/06/2023

Run Number: _____

End Date : 06/06/2023

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
O3024-01L	TOPSOIL-OU3	1541	97		86		86		86		91	
ZZZZZZ	ZZZZZZ	1541										
O3024-01MS	TOPSOIL-OU3	1543	96		86		88		85		90	
ZZZZZZ	ZZZZZZ	1543										
O3024-01MSD	TOPSOIL-OU3	1546	96		86		87		84		90	
ZZZZZZ	ZZZZZZ	1546										
O3024-01A	TOPSOIL-OU3	1549	97		87		90		87		92	
ZZZZZZ	ZZZZZZ	1549										
PB153217TB	PB153217TB	1553	94		85		83		85		88	
ZZZZZZ	ZZZZZZ	1553										
CCV11	CCV11	1556	96		88		87		83		91	
CCB11	CCB11	1603	96		87		86		89		91	

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: _____

Contract: _____

Lab Code: CHEM Case no.: _____

Sas No.: _____ SDG No.: LB125816

Instrument ID: P8

Start Date : 06/06/2023

Run Number: _____

End Date : 06/06/2023

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element		Element		Element		Element		Element	
			45Sc	Q	89Y	Q	103Rh	Q	159Tb	Q	165Ho	Q
TUNE	TUNE	1105	101		102		104		103		102	
S0	S0	1202	100		100		100		100		100	
S2	S2	1205	103		103		104		104		104	
S3	S3	1208	102		103		105		105		104	
S4	S4	1211	101		103		101		103		103	
S5	S5	1214	99		102		101		103		103	
S6	S6	1217	98		98		98		101		102	
S7	S7	1221	95		97		93		100		100	
S8	S8	1223	96		95		88		100		98	
ICV71	ICV71	1241	97		98		100		101		101	
LLICV	LLICV	1301	99		101		101		103		101	
ICB71	ICB71	1304	98		98		100		101		101	
ICSA71	ICSA71	1307	93		93		92		99		98	
ICSAB71	ICSAB71	1310	95		95		93		100		100	
CCV09	CCV09	1316	95		96		90		98		98	
CCB09	CCB09	1326	94		95		97		99		99	
CRI	CRI	1329	95		97		98		100		99	
PB153246BL	PB153246BL	1332	95		96		98		97		98	
ZZZZZZ	ZZZZZZ	1332										
PB153246BS	PB153246BS	1335	95		96		95		98		99	
ZZZZZZ	ZZZZZZ	1335										
O2500-11	PT-MET-SOIL	1355	100		106		93		99		99	
ZZZZZZ	ZZZZZZ	1355										
O2500-11	PT-MET-SOIL	1400	97		98		97		100		101	
ZZZZZZ	ZZZZZZ	1400										
O2500-11	PT-MET-SOIL	1403	96		99		98		100		101	
ZZZZZZ	ZZZZZZ	1403										
CCV10	CCV10	1411	93		93		87		96		97	
CCB10	CCB10	1418	93		93		94		98		96	
PB153217BL	PB153217BL	1522	95		95		97		98		99	
ZZZZZZ	ZZZZZZ	1522										
PB153217BS	PB153217BS	1525	92		93		90		96		96	
ZZZZZZ	ZZZZZZ	1525										
O3024-01	TOPSOIL-OU3	1535	87		91		90		94		94	
ZZZZZZ	ZZZZZZ	1535										
O3024-01DUP	TOPSOIL-OU3	1538	86		89		86		93		90	
ZZZZZZ	ZZZZZZ	1538										

Internal Standard %RI Limit: 70 - 130

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: _____

Contract: _____

Lab Code: CHEM Case no.: _____

Sas No.: _____ SDG No.: LB125816

Instrument ID: P8

Start Date : 06/06/2023

Run Number: _____

End Date : 06/06/2023

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
O3024-01L	TOPSOIL-OU3	1541	86		88		91		93		93	
ZZZZZZ	ZZZZZZ	1541										
O3024-01MS	TOPSOIL-OU3	1543	87		90		88		92		93	
ZZZZZZ	ZZZZZZ	1543										
O3024-01MSD	TOPSOIL-OU3	1546	85		89		87		93		92	
ZZZZZZ	ZZZZZZ	1546										
O3024-01A	TOPSOIL-OU3	1549	82		86		85		88		90	
ZZZZZZ	ZZZZZZ	1549										
PB153217TB	PB153217TB	1553	87		88		91		93		93	
ZZZZZZ	ZZZZZZ	1553										
CCV11	CCV11	1556	88		88		85		94		93	
CCB11	CCB11	1603	87		88		91		93		92	

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: _____

Contract: _____

Lab Code: CHEM Case no.: _____

Sas No.: _____ SDG No.: LB125816

Instrument ID: P8

Start Date : 06/06/2023

Run Number: _____

End Date : 06/06/2023

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
TUNE	TUNE	1105	100		104		103		105		105	
S0	S0	1202	100		100		100		100		100	
S2	S2	1205	101		100		99		97		99	
S3	S3	1208	102		100		100		100		99	
S4	S4	1211	97		92		92		92		94	
S5	S5	1214	99		99		95		96		100	
S6	S6	1217	102		97		97		96		102	
S7	S7	1221	101		99		96		94		100	
S8	S8	1223	93		89		87		81		91	
ICV71	ICV71	1241	99		95		92		94		97	
LLICV	LLICV	1301	96		97		96		96		98	
ICB71	ICB71	1304	101		97		97		97		99	
ICSA71	ICSA71	1307	102		96		95		92		100	
ICSAB71	ICSAB71	1310	102		95		95		91		101	
CCV09	CCV09	1316	99		91		90		86		94	
CCB09	CCB09	1326	100		94		95		96		98	
CRI	CRI	1329	99		91		91		93		95	
PB153246BL	PB153246BL	1332	97		93		92		94		96	
ZZZZZZ	ZZZZZZ	1332										
PB153246BS	PB153246BS	1335	97		91		90		90		95	
ZZZZZZ	ZZZZZZ	1335										
O2500-11	PT-MET-SOIL	1355	197	*	104		106		93		102	
ZZZZZZ	ZZZZZZ	1355										
O2500-11	PT-MET-SOIL	1400	122	*	94		94		92		96	
ZZZZZZ	ZZZZZZ	1400										
O2500-11	PT-MET-SOIL	1403	114		96		95		95		100	
ZZZZZZ	ZZZZZZ	1403										
CCV10	CCV10	1411	97		91		89		84		93	
CCB10	CCB10	1418	99		93		92		93		95	
PB153217BL	PB153217BL	1522	99		93		90		94		92	
ZZZZZZ	ZZZZZZ	1522										
PB153217BS	PB153217BS	1525	99		95		91		90		95	
ZZZZZZ	ZZZZZZ	1525										
O3024-01	TOPSOIL-OU3	1535	101		91		94		91		96	
ZZZZZZ	ZZZZZZ	1535										
O3024-01DUP	TOPSOIL-OU3	1538	98		87		89		87		92	
ZZZZZZ	ZZZZZZ	1538										

Internal Standard %RI Limit: 30 - 120

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: _____

Contract: _____

Lab Code: CHEM Case no.: _____

Sas No.: _____ SDG No.: LB125816

Instrument ID: P8

Start Date : 06/06/2023

Run Number: _____

End Date : 06/06/2023

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
O3024-01L	TOPSOIL-OU3	1541	97		86		86		86		91	
ZZZZZZ	ZZZZZZ	1541										
O3024-01MS	TOPSOIL-OU3	1543	96		86		88		85		90	
ZZZZZZ	ZZZZZZ	1543										
O3024-01MSD	TOPSOIL-OU3	1546	96		86		87		84		90	
ZZZZZZ	ZZZZZZ	1546										
O3024-01A	TOPSOIL-OU3	1549	97		87		90		87		92	
ZZZZZZ	ZZZZZZ	1549										
PB153217TB	PB153217TB	1553	94		85		83		85		88	
ZZZZZZ	ZZZZZZ	1553										
CCV11	CCV11	1556	96		88		87		83		91	
CCB11	CCB11	1603	96		87		86		89		91	

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: _____

Contract: _____

Lab Code: CHEM Case no.: _____

Sas No.: _____ SDG No.: LB125816

Instrument ID: P8

Start Date : 06/06/2023

Run Number: _____

End Date : 06/06/2023

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element		Element		Element		Element		Element	
			45Sc	Q	89Y	Q	103Rh	Q	159Tb	Q	165Ho	Q
TUNE	TUNE	1105	101		102		104		103		102	
S0	S0	1202	100		100		100		100		100	
S2	S2	1205	103		103		104		104		104	
S3	S3	1208	102		103		105		105		104	
S4	S4	1211	101		103		101		103		103	
S5	S5	1214	99		102		101		103		103	
S6	S6	1217	98		98		98		101		102	
S7	S7	1221	95		97		93		100		100	
S8	S8	1223	96		95		88		100		98	
ICV71	ICV71	1241	97		98		100		101		101	
LLICV	LLICV	1301	99		101		101		103		101	
ICB71	ICB71	1304	98		98		100		101		101	
ICSA71	ICSA71	1307	93		93		92		99		98	
ICSAB71	ICSAB71	1310	95		95		93		100		100	
CCV09	CCV09	1316	95		96		90		98		98	
CCB09	CCB09	1326	94		95		97		99		99	
CRI	CRI	1329	95		97		98		100		99	
PB153246BL	PB153246BL	1332	95		96		98		97		98	
ZZZZZZ	ZZZZZZ	1332										
PB153246BS	PB153246BS	1335	95		96		95		98		99	
ZZZZZZ	ZZZZZZ	1335										
O2500-11	PT-MET-SOIL	1355	100		106		93		99		99	
ZZZZZZ	ZZZZZZ	1355										
O2500-11	PT-MET-SOIL	1400	97		98		97		100		101	
ZZZZZZ	ZZZZZZ	1400										
O2500-11	PT-MET-SOIL	1403	96		99		98		100		101	
ZZZZZZ	ZZZZZZ	1403										
CCV10	CCV10	1411	93		93		87		96		97	
CCB10	CCB10	1418	93		93		94		98		96	
PB153217BL	PB153217BL	1522	95		95		97		98		99	
ZZZZZZ	ZZZZZZ	1522										
PB153217BS	PB153217BS	1525	92		93		90		96		96	
ZZZZZZ	ZZZZZZ	1525										
O3024-01	TOPSOIL-OU3	1535	87		91		90		94		94	
ZZZZZZ	ZZZZZZ	1535										
O3024-01DUP	TOPSOIL-OU3	1538	86		89		86		93		90	
ZZZZZZ	ZZZZZZ	1538										

Internal Standard %RI Limit: 30 - 120

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: _____

Contract: _____

Lab Code: CHEM Case no.: _____

Sas No.: _____ SDG No.: LB125816

Instrument ID: P8

Start Date : 06/06/2023

Run Number: _____

End Date : 06/06/2023

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
O3024-01L	TOPSOIL-OU3	1541	86		88		91		93		93	
ZZZZZZ	ZZZZZZ	1541										
O3024-01MS	TOPSOIL-OU3	1543	87		90		88		92		93	
ZZZZZZ	ZZZZZZ	1543										
O3024-01MSD	TOPSOIL-OU3	1546	85		89		87		93		92	
ZZZZZZ	ZZZZZZ	1546										
O3024-01A	TOPSOIL-OU3	1549	82		86		85		88		90	
ZZZZZZ	ZZZZZZ	1549										
PB153217TB	PB153217TB	1553	87		88		91		93		93	
ZZZZZZ	ZZZZZZ	1553										
CCV11	CCV11	1556	88		88		85		94		93	
CCB11	CCB11	1603	87		88		91		93		92	



FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: _____

Contract: _____

Lab Code: CHEM Case no.: _____

Sas No.: _____ SDG No.: LB125816

Instrument ID: P8

Start Date : 06/06/2023

Run Number: _____

End Date : 06/06/2023

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
TUNE	TUNE	1105	106		105							
S0	S0	1202	100		100							
S2	S2	1205	99		98							
S3	S3	1208	101		100							
S4	S4	1211	95		94							
S5	S5	1214	99		99							
S6	S6	1217	99		98							
S7	S7	1221	100		97							
S8	S8	1223	93		83							
ICV71	ICV71	1241	96		98							
LLICV	LLICV	1301	98		99							
ICB71	ICB71	1304	99		99							
ICSA71	ICSA71	1307	100		95							
ICSAB71	ICSAB71	1310	98		94							
CCV09	CCV09	1316	95		88							
CCB09	CCB09	1326	97		99							
CRI	CRI	1329	95		95							
PB153246BL	PB153246BL	1332	96		97							
ZZZZZZ	ZZZZZZ	1332										
PB153246BS	PB153246BS	1335	94		91							
ZZZZZZ	ZZZZZZ	1335										
O2500-11	PT-MET-SOIL	1355	101		128							
ZZZZZZ	ZZZZZZ	1355										
O2500-11	PT-MET-SOIL	1400	97		95							
ZZZZZZ	ZZZZZZ	1400										
O2500-11	PT-MET-SOIL	1403	99		98							
ZZZZZZ	ZZZZZZ	1403										
CCV10	CCV10	1411	93		87							
CCB10	CCB10	1418	95		96							
PB153217BL	PB153217BL	1522	94		95							
ZZZZZZ	ZZZZZZ	1522										
PB153217BS	PB153217BS	1525	96		94							
ZZZZZZ	ZZZZZZ	1525										
O3024-01	TOPSOIL-OU3-	1535	96		94							
ZZZZZZ	ZZZZZZ	1535										

Internal Standard %RI Limit: 70 -130



FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: _____

Contract: _____

Lab Code: CHEM Case no.: _____Sas No.: _____ SDG No.: LB125816Instrument ID: P8Start Date : 06/06/2023

Run Number: _____

End Date : 06/06/2023

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
O3024-01DUP	TOPSOIL-OU3-	1538	92		91							
ZZZZZZ	ZZZZZZ	1538										
O3024-01L	TOPSOIL-OU3-	1541	92		92							
ZZZZZZ	ZZZZZZ	1541										
O3024-01MS	TOPSOIL-OU3-	1543	90		90							
ZZZZZZ	ZZZZZZ	1543										
O3024-01MSD	TOPSOIL-OU3-	1546	91		88							
ZZZZZZ	ZZZZZZ	1546										
O3024-01A	TOPSOIL-OU3-	1549	93		92							
ZZZZZZ	ZZZZZZ	1549										
PB153217TB	PB153217TB	1553	89		87							
ZZZZZZ	ZZZZZZ	1553										
CCV11	CCV11	1556	91		85							
CCB11	CCB11	1603	92		90							

Internal Standard %RI Limit: 70 -130



FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: _____

Contract: _____

Lab Code: CHEM Case no.: _____

Sas No.: _____ SDG No.: LB125816

Instrument ID: P8

Start Date : 06/06/2023

Run Number: _____

End Date : 06/06/2023

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element		Element		Element		Element		Element	
			209Bi	Q		Q		Q		Q		Q
TUNE	TUNE	1105	102									
S0	S0	1202	100									
S2	S2	1205	104									
S3	S3	1208	102									
S4	S4	1211	102									
S5	S5	1214	101									
S6	S6	1217	99									
S7	S7	1221	96									
S8	S8	1223	89									
ICV71	ICV71	1241	101									
LLICV	LLICV	1301	102									
ICB71	ICB71	1304	101									
ICSA71	ICSA71	1307	93									
ICSAB71	ICSAB71	1310	94									
CCV09	CCV09	1316	92									
CCB09	CCB09	1326	99									
CRI	CRI	1329	99									
PB153246BL	PB153246BL	1332	99									
ZZZZZZ	ZZZZZZ	1332										
PB153246BS	PB153246BS	1335	96									
ZZZZZZ	ZZZZZZ	1335										
O2500-11	PT-MET-SOIL	1355	129									
ZZZZZZ	ZZZZZZ	1355										
O2500-11	PT-MET-SOIL	1400	99									
ZZZZZZ	ZZZZZZ	1400										
O2500-11	PT-MET-SOIL	1403	100									
ZZZZZZ	ZZZZZZ	1403										
CCV10	CCV10	1411	90									
CCB10	CCB10	1418	97									
PB153217BL	PB153217BL	1522	98									
ZZZZZZ	ZZZZZZ	1522										
PB153217BS	PB153217BS	1525	94									
ZZZZZZ	ZZZZZZ	1525										
O3024-01	TOPSOIL-OU3-	1535	93									
ZZZZZZ	ZZZZZZ	1535										

Internal Standard %RI Limit: 70 -130



FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: _____

Contract: _____

Lab Code: CHEM Case no.: _____

Sas No.: _____ SDG No.: LB125816

Instrument ID: P8

Start Date : 06/06/2023

Run Number: _____

End Date : 06/06/2023

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element		Element		Element		Element		Element	
			209Bi	Q		Q		Q		Q		Q
O3024-01DUP	TOPSOIL-OU3-	1538	92									
ZZZZZZ	ZZZZZZ	1538										
O3024-01L	TOPSOIL-OU3-	1541	94									
ZZZZZZ	ZZZZZZ	1541										
O3024-01MS	TOPSOIL-OU3-	1543	91									
ZZZZZZ	ZZZZZZ	1543										
O3024-01MSD	TOPSOIL-OU3-	1546	90									
ZZZZZZ	ZZZZZZ	1546										
O3024-01A	TOPSOIL-OU3-	1549	88									
ZZZZZZ	ZZZZZZ	1549										
PB153217TB	PB153217TB	1553	94									
ZZZZZZ	ZZZZZZ	1553										
CCV11	CCV11	1556	89									
CCB11	CCB11	1603	93									

Internal Standard %RI Limit: 70 -130



FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: _____

Contract: _____

Lab Code: CHEM Case no.: _____

Sas No.: _____ SDG No.: LB125816

Instrument ID: P8

Start Date : 06/06/2023

Run Number: _____

End Date : 06/06/2023

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
TUNE	TUNE	1105	106		105							
S0	S0	1202	100		100							
S2	S2	1205	99		98							
S3	S3	1208	101		100							
S4	S4	1211	95		94							
S5	S5	1214	99		99							
S6	S6	1217	99		98							
S7	S7	1221	100		97							
S8	S8	1223	93		83							
ICV71	ICV71	1241	96		98							
LLICV	LLICV	1301	98		99							
ICB71	ICB71	1304	99		99							
ICSA71	ICSA71	1307	100		95							
ICSAB71	ICSAB71	1310	98		94							
CCV09	CCV09	1316	95		88							
CCB09	CCB09	1326	97		99							
CRI	CRI	1329	95		95							
PB153246BL	PB153246BL	1332	96		97							
ZZZZZZ	ZZZZZZ	1332										
PB153246BS	PB153246BS	1335	94		91							
ZZZZZZ	ZZZZZZ	1335										
O2500-11	PT-MET-SOIL	1355	101		128	*						
ZZZZZZ	ZZZZZZ	1355										
O2500-11	PT-MET-SOIL	1400	97		95							
ZZZZZZ	ZZZZZZ	1400										
O2500-11	PT-MET-SOIL	1403	99		98							
ZZZZZZ	ZZZZZZ	1403										
CCV10	CCV10	1411	93		87							
CCB10	CCB10	1418	95		96							
PB153217BL	PB153217BL	1522	94		95							
ZZZZZZ	ZZZZZZ	1522										
PB153217BS	PB153217BS	1525	96		94							
ZZZZZZ	ZZZZZZ	1525										
O3024-01	TOPSOIL-OU3-	1535	96		94							
ZZZZZZ	ZZZZZZ	1535										

Internal Standard %RI Limit: 30 -120



FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: _____

Contract: _____

Lab Code: CHEM Case no.: _____Sas No.: _____ SDG No.: LB125816Instrument ID: P8Start Date : 06/06/2023

Run Number: _____

End Date : 06/06/2023

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
O3024-01DUP	TOPSOIL-OU3-	1538	92		91							
ZZZZZZ	ZZZZZZ	1538										
O3024-01L	TOPSOIL-OU3-	1541	92		92							
ZZZZZZ	ZZZZZZ	1541										
O3024-01MS	TOPSOIL-OU3-	1543	90		90							
ZZZZZZ	ZZZZZZ	1543										
O3024-01MSD	TOPSOIL-OU3-	1546	91		88							
ZZZZZZ	ZZZZZZ	1546										
O3024-01A	TOPSOIL-OU3-	1549	93		92							
ZZZZZZ	ZZZZZZ	1549										
PB153217TB	PB153217TB	1553	89		87							
ZZZZZZ	ZZZZZZ	1553										
CCV11	CCV11	1556	91		85							
CCB11	CCB11	1603	92		90							

Internal Standard %RI Limit: 30 -120



FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: _____

Contract: _____

Lab Code: CHEM Case no.: _____

Sas No.: _____ SDG No.: LB125816

Instrument ID: P8

Start Date : 06/06/2023

Run Number: _____

End Date : 06/06/2023

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element		Element		Element		Element		Element	
			209Bi	Q		Q		Q		Q		Q
TUNE	TUNE	1105	102									
S0	S0	1202	100									
S2	S2	1205	104									
S3	S3	1208	102									
S4	S4	1211	102									
S5	S5	1214	101									
S6	S6	1217	99									
S7	S7	1221	96									
S8	S8	1223	89									
ICV71	ICV71	1241	101									
LLICV	LLICV	1301	102									
ICB71	ICB71	1304	101									
ICSA71	ICSA71	1307	93									
ICSAB71	ICSAB71	1310	94									
CCV09	CCV09	1316	92									
CCB09	CCB09	1326	99									
CRI	CRI	1329	99									
PB153246BL	PB153246BL	1332	99									
ZZZZZZ	ZZZZZZ	1332										
PB153246BS	PB153246BS	1335	96									
ZZZZZZ	ZZZZZZ	1335										
O2500-11	PT-MET-SOIL	1355	129	*								
ZZZZZZ	ZZZZZZ	1355										
O2500-11	PT-MET-SOIL	1400	99									
ZZZZZZ	ZZZZZZ	1400										
O2500-11	PT-MET-SOIL	1403	100									
ZZZZZZ	ZZZZZZ	1403										
CCV10	CCV10	1411	90									
CCB10	CCB10	1418	97									
PB153217BL	PB153217BL	1522	98									
ZZZZZZ	ZZZZZZ	1522										
PB153217BS	PB153217BS	1525	94									
ZZZZZZ	ZZZZZZ	1525										
O3024-01	TOPSOIL-OU3-	1535	93									
ZZZZZZ	ZZZZZZ	1535										

Internal Standard %RI Limit: 30 -120



FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: _____

Contract: _____

Lab Code: CHEM Case no.: _____Sas No.: _____ SDG No.: LB125816Instrument ID: P8Start Date : 06/06/2023

Run Number: _____

End Date : 06/06/2023

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element		Element		Element		Element		Element	
			209Bi	Q		Q		Q		Q		Q
O3024-01DUP	TOPSOIL-OU3-	1538	92									
ZZZZZZ	ZZZZZZ	1538										
O3024-01L	TOPSOIL-OU3-	1541	94									
ZZZZZZ	ZZZZZZ	1541										
O3024-01MS	TOPSOIL-OU3-	1543	91									
ZZZZZZ	ZZZZZZ	1543										
O3024-01MSD	TOPSOIL-OU3-	1546	90									
ZZZZZZ	ZZZZZZ	1546										
O3024-01A	TOPSOIL-OU3-	1549	88									
ZZZZZZ	ZZZZZZ	1549										
PB153217TB	PB153217TB	1553	94									
ZZZZZZ	ZZZZZZ	1553										
CCV11	CCV11	1556	89									
CCB11	CCB11	1603	93									

Internal Standard %RI Limit: 30 -120

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

TOPSOIL-OU3-GRILLO-1LDL

Lab Name: Chemtech Consulting Group Contract:
Lab Code: CHEM Lb No.: Lab Sample ID : O3024-01LDL SDG No.: LB125816
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
		C		C			
Aluminum	99300	D	98100	D	1		P
Antimony	1.1	JD	1	UD	9		P
Arsenic	93.5	D	92.3	D	1		P
Barium	171	D	171	JD	0		P
Beryllium	12.8	D	13.5	JD	-5		P
Cadmium	15.9	D	11	JD	31		P
Calcium	292000	D	298000	D	-2		P
Chromium	99.9	D	101	D	-1		P
Cobalt	132	D	129	D	3		P
Copper	262	D	261	D	1		P
Iron	49100	D	47700	D	3		P
Lead	339	D	336	D	1		P
Magnesium	63700	D	61900	D	3		P
Manganese	14600	D	13900	D	5		P
Nickel	135	D	127	D	6		P
Potassium	65800	D	64700	D	2		P
Selenium	25.0	UD	10	UD	-102		P
Molybdenum	25.0	UD	1.5	UD	-20		P
Tin	25.0	UD	0.75	UD	38		P
Silver	5.0	UD	0	UD			P
Sodium	20000	D	19800	D	1		P
Thallium	1	JD	1.25	UD	-25		P
Uranium	2	JD	1.75	JD	13		P
Vanadium	194	D	188	D	3		P
Zinc	3590	D	3600	D	-0		P
Strontium	1040	D	1060	D	-2		P
Titanium	35.4	D	36.8	JD	-4		P



Hit Summary Sheet
SW-846

SDG No.: LB125816

Order ID: LB125816

Client: LB125816

Project ID: LB125816

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PT-MET-SOIL								
O2500-11	PT-MET-SOIL	Solid	Silver	90		0.013	0.082	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Antimony	10		0.025	0.164	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Thallium	100		0.016	0.082	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Lead	60		0.025	0.082	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Uranium	110		0.003	0.082	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Sodium	95		5.45	41	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Magnesium	65		0.213	41	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Aluminum	5		0.738	1.64	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Potassium	80		1.4	41	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Calcium	35		2.37	41	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Titanium	999		0.078	0.41	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Vanadium	110		0.004	0.41	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Manganese	70		0.013	0.082	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Iron	55		0.254	4.1	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Copper	50		0.032	0.164	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Zinc	115		0.033	0.164	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Arsenic	15		0.007	0.082	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Strontium	122		0.032	0.082	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Molybdenum	85		0.077	0.41	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Cadmium	30	OR	0.007	0.082	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Tin	85	OR	0.063	0.41	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Barium	20	OR	0.017	0.82	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Chromium	40	OR	0.013	0.164	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Cobalt	45	OR	0.003	0.082	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Nickel	75	OR	0.007	0.082	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Selenium	85	OR	0.098	0.41	mg/Kg
O2500-11	PT-MET-SOIL	Solid	Beryllium	25	OR	0.02	0.082	mg/Kg
Client ID : PT-MET-SOILDL								
O2500-11DL	PT-MET-SOILDL	Solid	Silver	90	D	0.066	0.41	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Cadmium	30	D	0.034	0.41	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Tin	85	D	0.316	2.05	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Antimony	10	D	0.127	0.82	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Barium	20	D	0.086	4.1	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Thallium	100	D	0.078	0.41	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Lead	60	D	0.127	0.41	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Uranium	110	D	0.013	0.41	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Sodium	95	D	27.3	205	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Magnesium	65	D	1.07	205	mg/Kg

Hit Summary Sheet

SW-846

SDG No.: LB125816

Order ID: LB125816

Client: LB125816

Project ID: LB125816

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O2500-11DL	PT-MET-SOILDL	Solid	Aluminum	5	D	3.69	8.2	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Potassium	80	D	7.01	205	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Calcium	35	D	11.8	205	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Titanium	999	D	0.389	2.05	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Vanadium	110	D	0.02	2.05	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Chromium	40	D	0.066	0.82	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Manganese	70	D	0.066	0.41	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Iron	55	D	1.27	20.5	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Cobalt	45	D	0.013	0.41	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Nickel	75	D	0.037	0.41	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Copper	50	D	0.16	0.82	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Zinc	115	D	0.164	0.82	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Arsenic	15	D	0.033	0.41	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Selenium	85	D	0.492	2.05	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Strontium	122	D	0.16	0.41	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Molybdenum	85	D	0.385	2.05	mg/Kg
O2500-11DL	PT-MET-SOILDL	Solid	Beryllium	25	D	0.102	0.41	mg/Kg
Client ID : PT-MET-SOILDL2								
O2500-11DL2	PT-MET-SOILDL2	Solid	Chromium	40	D	0.131	1.64	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Manganese	70	D	0.131	0.82	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Iron	55	D	2.54	41	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Cobalt	45	D	0.025	0.82	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Nickel	75	D	0.075	0.82	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Copper	50	D	0.32	1.64	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Zinc	115	D	0.328	1.64	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Arsenic	15	D	0.066	0.82	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Selenium	85	D	0.984	4.1	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Strontium	122	D	0.32	0.82	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Molybdenum	85	D	0.77	4.1	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Beryllium	25	D	0.205	0.82	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Calcium	35	D	23.7	410	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Titanium	999	D	0.779	4.1	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Vanadium	110	D	0.039	4.1	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Silver	90	D	0.131	0.82	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Cadmium	30	D	0.069	0.82	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Tin	85	D	0.631	4.1	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Antimony	10	D	0.254	1.64	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Barium	20	D	0.172	8.2	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Thallium	100	D	0.156	0.82	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Lead	60	D	0.254	0.82	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Uranium	110	D	0.026	0.82	mg/Kg

Hit Summary Sheet

SW-846

SDG No.: LB125816

Order ID: LB125816

Client: LB125816

Project ID: LB125816

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O2500-11DL2	PT-MET-SOILDL2	Solid	Sodium	95	D	54.5	410	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Magnesium	65	D	2.13	410	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Aluminum	5	D	7.38	16.4	mg/Kg
O2500-11DL2	PT-MET-SOILDL2	Solid	Potassium	80	D	14	410	mg/Kg
Client ID : TOPSOIL-OU3-GRILLO-1DL								
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	Water	Cadmium	30	D	0.65	5	ug/L
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	Water	Barium	20	D	0.95	50	ug/L
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	Water	Lead	60	D	0.95	5	ug/L
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	Water	Sodium	95	D	450	2500	ug/L
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	Water	Magnesium	65	D	59	2500	ug/L
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	Water	Aluminum	5	D	23.4	100	ug/L
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	Water	Potassium	80	D	159	2500	ug/L
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	Water	Calcium	35	D	176	2500	ug/L
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	Water	Titanium	999	D	4.95	25	ug/L
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	Water	Vanadium	110	D	0.215	25	ug/L
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	Water	Chromium	40	D	1.75	10	ug/L
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	Water	Manganese	70	D	1.45	5	ug/L
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	Water	Iron	55	D	34.4	250	ug/L
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	Water	Cobalt	45	D	0.24	5	ug/L
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	Water	Nickel	75	D	0.455	5	ug/L
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	Water	Copper	50	D	2.7	10	ug/L
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	Water	Zinc	115	D	6.3	10	ug/L
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	Water	Arsenic	15	D	0.41	5	ug/L
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	Water	Strontium	122	D	1.2	5	ug/L
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	Water	Beryllium	25	D	0.5	5	ug/L
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	Water	Antimony	10	JD	0.5	10	ug/L
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	Water	Thallium	100	JD	0.55	5	ug/L
O3024-01DL	TOPSOIL-OU3-GRILLO-1DL	Water	Uranium	110	JD	0.112	5	ug/L