

LAB CHRONICLE

OrderID:	Q2795	OrderDate:	8/7/2025 11:57:00 AM
Client:	Kleinfelder	Project:	Girard School - PA
Contact:	Mark Warchol	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2795-01	COMP-1	SOIL	Mercury	7471B	08/06/25	08/08/25	08/11/25	08/07/25
			Metals ICP-Group1	6010D		08/08/25	08/11/25	
Q2795-02	COMP-2	SOIL	Mercury	7471B	08/06/25	08/08/25	08/11/25	08/07/25
			Metals ICP-Group1	6010D		08/08/25	08/11/25	
Q2795-03	COMP-3	SOIL	Mercury	7471B	08/06/25	08/08/25	08/11/25	08/07/25
			Metals ICP-Group1	6010D		08/08/25	08/11/25	

Hit Summary Sheet
SW-846

SDG No.: Q2795 **Order ID:** Q2795
Client: Kleinfelder **Project ID:** Girard School - PA

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMP-1								
Q2795-01	COMP-1	SOIL	Aluminum	5910		0.94	5.61	mg/Kg
Q2795-01	COMP-1	SOIL	Arsenic	4.42		0.21	1.12	mg/Kg
Q2795-01	COMP-1	SOIL	Barium	83.8		0.82	5.61	mg/Kg
Q2795-01	COMP-1	SOIL	Beryllium	0.67		0.028	0.34	mg/Kg
Q2795-01	COMP-1	SOIL	Cadmium	0.50		0.027	0.34	mg/Kg
Q2795-01	COMP-1	SOIL	Calcium	5200		12.5	112	mg/Kg
Q2795-01	COMP-1	SOIL	Chromium	10.7		0.053	0.56	mg/Kg
Q2795-01	COMP-1	SOIL	Cobalt	6.12		0.11	1.68	mg/Kg
Q2795-01	COMP-1	SOIL	Copper	18.5		0.25	1.12	mg/Kg
Q2795-01	COMP-1	SOIL	Iron	10400		4.48	5.61	mg/Kg
Q2795-01	COMP-1	SOIL	Lead	149		0.15	0.67	mg/Kg
Q2795-01	COMP-1	SOIL	Magnesium	1760		13.5	112	mg/Kg
Q2795-01	COMP-1	SOIL	Manganese	334		0.16	1.12	mg/Kg
Q2795-01	COMP-1	SOIL	Mercury	5.25	D	0.082	0.15	mg/Kg
Q2795-01	COMP-1	SOIL	Nickel	8.24		0.15	2.24	mg/Kg
Q2795-01	COMP-1	SOIL	Potassium	512		31.1	112	mg/Kg
Q2795-01	COMP-1	SOIL	Silver	0.48	J	0.14	0.56	mg/Kg
Q2795-01	COMP-1	SOIL	Sodium	84.0	J	20.0	112	mg/Kg
Q2795-01	COMP-1	SOIL	Vanadium	15.4		0.28	2.24	mg/Kg
Q2795-01	COMP-1	SOIL	Zinc	44.2		0.26	2.24	mg/Kg
Client ID : COMP-2								
Q2795-02	COMP-2	SOIL	Aluminum	6600		0.92	5.45	mg/Kg
Q2795-02	COMP-2	SOIL	Arsenic	5.99		0.21	1.09	mg/Kg
Q2795-02	COMP-2	SOIL	Barium	70.2		0.80	5.45	mg/Kg
Q2795-02	COMP-2	SOIL	Beryllium	0.62		0.027	0.33	mg/Kg
Q2795-02	COMP-2	SOIL	Cadmium	0.59		0.026	0.33	mg/Kg
Q2795-02	COMP-2	SOIL	Calcium	8300		12.1	109	mg/Kg
Q2795-02	COMP-2	SOIL	Chromium	12.9		0.051	0.55	mg/Kg
Q2795-02	COMP-2	SOIL	Cobalt	7.36		0.11	1.64	mg/Kg
Q2795-02	COMP-2	SOIL	Copper	22.8		0.24	1.09	mg/Kg
Q2795-02	COMP-2	SOIL	Iron	15700		4.35	5.45	mg/Kg
Q2795-02	COMP-2	SOIL	Lead	91.2		0.14	0.65	mg/Kg
Q2795-02	COMP-2	SOIL	Magnesium	5080		13.1	109	mg/Kg
Q2795-02	COMP-2	SOIL	Manganese	279		0.15	1.09	mg/Kg
Q2795-02	COMP-2	SOIL	Mercury	4.67	D	0.082	0.15	mg/Kg
Q2795-02	COMP-2	SOIL	Nickel	8.98		0.14	2.18	mg/Kg
Q2795-02	COMP-2	SOIL	Potassium	1230		30.2	109	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	Q2795	Order ID:	Q2795
Client:	Kleinfelder	Project ID:	Girard School - PA

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2795-02	COMP-2	SOIL	Silver	0.59		0.13	0.55	mg/Kg
Q2795-02	COMP-2	SOIL	Sodium	184		19.4	109	mg/Kg
Q2795-02	COMP-2	SOIL	Vanadium	21.9		0.27	2.18	mg/Kg
Q2795-02	COMP-2	SOIL	Zinc	64.5		0.25	2.18	mg/Kg
Client ID : COMP-3								
Q2795-03	COMP-3	SOIL	Aluminum	7270		0.84	4.98	mg/Kg
Q2795-03	COMP-3	SOIL	Antimony	0.31	J	0.22	2.49	mg/Kg
Q2795-03	COMP-3	SOIL	Arsenic	6.37		0.19	1.00	mg/Kg
Q2795-03	COMP-3	SOIL	Barium	76.3		0.73	4.98	mg/Kg
Q2795-03	COMP-3	SOIL	Beryllium	0.66		0.025	0.30	mg/Kg
Q2795-03	COMP-3	SOIL	Cadmium	0.55		0.024	0.30	mg/Kg
Q2795-03	COMP-3	SOIL	Calcium	4490		11.1	99.6	mg/Kg
Q2795-03	COMP-3	SOIL	Chromium	14.0		0.047	0.50	mg/Kg
Q2795-03	COMP-3	SOIL	Cobalt	6.97		0.10	1.49	mg/Kg
Q2795-03	COMP-3	SOIL	Copper	71.4		0.22	1.00	mg/Kg
Q2795-03	COMP-3	SOIL	Iron	16800		3.97	4.98	mg/Kg
Q2795-03	COMP-3	SOIL	Lead	121		0.13	0.60	mg/Kg
Q2795-03	COMP-3	SOIL	Magnesium	1930		11.9	99.6	mg/Kg
Q2795-03	COMP-3	SOIL	Manganese	249		0.14	1.00	mg/Kg
Q2795-03	COMP-3	SOIL	Mercury	2.91	D	0.085	0.15	mg/Kg
Q2795-03	COMP-3	SOIL	Nickel	9.67		0.13	1.99	mg/Kg
Q2795-03	COMP-3	SOIL	Potassium	1000		27.6	99.6	mg/Kg
Q2795-03	COMP-3	SOIL	Silver	0.75		0.12	0.50	mg/Kg
Q2795-03	COMP-3	SOIL	Sodium	65.7	J	17.7	99.6	mg/Kg
Q2795-03	COMP-3	SOIL	Vanadium	22.0		0.25	1.99	mg/Kg
Q2795-03	COMP-3	SOIL	Zinc	80.7		0.23	1.99	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	08/06/25
Project:	Girard School - PA	Date Received:	08/07/25
Client Sample ID:	COMP-1	SDG No.:	Q2795
Lab Sample ID:	Q2795-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	82.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5910		1	0.94	5.61	mg/Kg	08/08/25 13:15	08/11/25 15:23	6010D	SW3050
7440-36-0	Antimony	0.25	UN	1	0.25	2.81	mg/Kg	08/08/25 13:15	08/11/25 15:23	6010D	SW3050
7440-38-2	Arsenic	4.42	N	1	0.21	1.12	mg/Kg	08/08/25 13:15	08/11/25 15:23	6010D	SW3050
7440-39-3	Barium	83.8		1	0.82	5.61	mg/Kg	08/08/25 13:15	08/11/25 15:23	6010D	SW3050
7440-41-7	Beryllium	0.67	N	1	0.028	0.34	mg/Kg	08/08/25 13:15	08/11/25 15:23	6010D	SW3050
7440-43-9	Cadmium	0.50		1	0.027	0.34	mg/Kg	08/08/25 13:15	08/11/25 15:23	6010D	SW3050
7440-70-2	Calcium	5200		1	12.5	112	mg/Kg	08/08/25 13:15	08/11/25 15:23	6010D	SW3050
7440-47-3	Chromium	10.7	N	1	0.053	0.56	mg/Kg	08/08/25 13:15	08/11/25 15:23	6010D	SW3050
7440-48-4	Cobalt	6.12		1	0.11	1.68	mg/Kg	08/08/25 13:15	08/11/25 15:23	6010D	SW3050
7440-50-8	Copper	18.5	N	1	0.25	1.12	mg/Kg	08/08/25 13:15	08/11/25 15:23	6010D	SW3050
7439-89-6	Iron	10400		1	4.48	5.61	mg/Kg	08/08/25 13:15	08/11/25 15:23	6010D	SW3050
7439-92-1	Lead	149		1	0.15	0.67	mg/Kg	08/08/25 13:15	08/11/25 15:23	6010D	SW3050
7439-95-4	Magnesium	1760		1	13.5	112	mg/Kg	08/08/25 13:15	08/11/25 15:23	6010D	SW3050
7439-96-5	Manganese	334		1	0.16	1.12	mg/Kg	08/08/25 13:15	08/11/25 15:23	6010D	SW3050
7439-97-6	Mercury	5.25	D*	10	0.082	0.15	mg/Kg	08/08/25 11:35	08/11/25 13:17	7471B	
7440-02-0	Nickel	8.24		1	0.15	2.24	mg/Kg	08/08/25 13:15	08/11/25 15:23	6010D	SW3050
7440-09-7	Potassium	512	N	1	31.1	112	mg/Kg	08/08/25 13:15	08/11/25 15:23	6010D	SW3050
7782-49-2	Selenium	0.29	UN	1	0.29	1.12	mg/Kg	08/08/25 13:15	08/11/25 15:23	6010D	SW3050
7440-22-4	Silver	0.48	JN	1	0.14	0.56	mg/Kg	08/08/25 13:15	08/11/25 15:23	6010D	SW3050
7440-23-5	Sodium	84.0	JN	1	20.0	112	mg/Kg	08/08/25 13:15	08/11/25 15:23	6010D	SW3050
7440-28-0	Thallium	0.26	U	1	0.26	2.24	mg/Kg	08/08/25 13:15	08/11/25 15:23	6010D	SW3050
7440-62-2	Vanadium	15.4	N	1	0.28	2.24	mg/Kg	08/08/25 13:15	08/11/25 15:23	6010D	SW3050
7440-66-6	Zinc	44.2		1	0.26	2.24	mg/Kg	08/08/25 13:15	08/11/25 15:23	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	N/A
Comments:	Metals Group1			

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:	Kleinfelder	Date Collected:	08/06/25
Project:	Girard School - PA	Date Received:	08/07/25
Client Sample ID:	COMP-2	SDG No.:	Q2795
Lab Sample ID:	Q2795-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	80.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6600		1	0.92	5.45	mg/Kg	08/08/25 13:15	08/11/25 15:27	6010D	SW3050
7440-36-0	Antimony	0.24	UN	1	0.24	2.73	mg/Kg	08/08/25 13:15	08/11/25 15:27	6010D	SW3050
7440-38-2	Arsenic	5.99	N	1	0.21	1.09	mg/Kg	08/08/25 13:15	08/11/25 15:27	6010D	SW3050
7440-39-3	Barium	70.2		1	0.80	5.45	mg/Kg	08/08/25 13:15	08/11/25 15:27	6010D	SW3050
7440-41-7	Beryllium	0.62	N	1	0.027	0.33	mg/Kg	08/08/25 13:15	08/11/25 15:27	6010D	SW3050
7440-43-9	Cadmium	0.59		1	0.026	0.33	mg/Kg	08/08/25 13:15	08/11/25 15:27	6010D	SW3050
7440-70-2	Calcium	8300		1	12.1	109	mg/Kg	08/08/25 13:15	08/11/25 15:27	6010D	SW3050
7440-47-3	Chromium	12.9	N	1	0.051	0.55	mg/Kg	08/08/25 13:15	08/11/25 15:27	6010D	SW3050
7440-48-4	Cobalt	7.36		1	0.11	1.64	mg/Kg	08/08/25 13:15	08/11/25 15:27	6010D	SW3050
7440-50-8	Copper	22.8	N	1	0.24	1.09	mg/Kg	08/08/25 13:15	08/11/25 15:27	6010D	SW3050
7439-89-6	Iron	15700		1	4.35	5.45	mg/Kg	08/08/25 13:15	08/11/25 15:27	6010D	SW3050
7439-92-1	Lead	91.2		1	0.14	0.65	mg/Kg	08/08/25 13:15	08/11/25 15:27	6010D	SW3050
7439-95-4	Magnesium	5080		1	13.1	109	mg/Kg	08/08/25 13:15	08/11/25 15:27	6010D	SW3050
7439-96-5	Manganese	279		1	0.15	1.09	mg/Kg	08/08/25 13:15	08/11/25 15:27	6010D	SW3050
7439-97-6	Mercury	4.67	D*	10	0.082	0.15	mg/Kg	08/08/25 11:35	08/11/25 13:20	7471B	
7440-02-0	Nickel	8.98		1	0.14	2.18	mg/Kg	08/08/25 13:15	08/11/25 15:27	6010D	SW3050
7440-09-7	Potassium	1230	N	1	30.2	109	mg/Kg	08/08/25 13:15	08/11/25 15:27	6010D	SW3050
7782-49-2	Selenium	0.28	UN	1	0.28	1.09	mg/Kg	08/08/25 13:15	08/11/25 15:27	6010D	SW3050
7440-22-4	Silver	0.59	N	1	0.13	0.55	mg/Kg	08/08/25 13:15	08/11/25 15:27	6010D	SW3050
7440-23-5	Sodium	184	N	1	19.4	109	mg/Kg	08/08/25 13:15	08/11/25 15:27	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.18	mg/Kg	08/08/25 13:15	08/11/25 15:27	6010D	SW3050
7440-62-2	Vanadium	21.9	N	1	0.27	2.18	mg/Kg	08/08/25 13:15	08/11/25 15:27	6010D	SW3050
7440-66-6	Zinc	64.5		1	0.25	2.18	mg/Kg	08/08/25 13:15	08/11/25 15:27	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	N/A
Comments:	Metals Group1			

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:	Kleinfelder	Date Collected:	08/06/25
Project:	Girard School - PA	Date Received:	08/07/25
Client Sample ID:	COMP-3	SDG No.:	Q2795
Lab Sample ID:	Q2795-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	82

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7270		1	0.84	4.98	mg/Kg	08/08/25 13:15	08/11/25 15:31	6010D	SW3050
7440-36-0	Antimony	0.31	JN	1	0.22	2.49	mg/Kg	08/08/25 13:15	08/11/25 15:31	6010D	SW3050
7440-38-2	Arsenic	6.37	N	1	0.19	1.00	mg/Kg	08/08/25 13:15	08/11/25 15:31	6010D	SW3050
7440-39-3	Barium	76.3		1	0.73	4.98	mg/Kg	08/08/25 13:15	08/11/25 15:31	6010D	SW3050
7440-41-7	Beryllium	0.66	N	1	0.025	0.30	mg/Kg	08/08/25 13:15	08/11/25 15:31	6010D	SW3050
7440-43-9	Cadmium	0.55		1	0.024	0.30	mg/Kg	08/08/25 13:15	08/11/25 15:31	6010D	SW3050
7440-70-2	Calcium	4490		1	11.1	99.6	mg/Kg	08/08/25 13:15	08/11/25 15:31	6010D	SW3050
7440-47-3	Chromium	14.0	N	1	0.047	0.50	mg/Kg	08/08/25 13:15	08/11/25 15:31	6010D	SW3050
7440-48-4	Cobalt	6.97		1	0.10	1.49	mg/Kg	08/08/25 13:15	08/11/25 15:31	6010D	SW3050
7440-50-8	Copper	71.4	N	1	0.22	1.00	mg/Kg	08/08/25 13:15	08/11/25 15:31	6010D	SW3050
7439-89-6	Iron	16800		1	3.97	4.98	mg/Kg	08/08/25 13:15	08/11/25 15:31	6010D	SW3050
7439-92-1	Lead	121		1	0.13	0.60	mg/Kg	08/08/25 13:15	08/11/25 15:31	6010D	SW3050
7439-95-4	Magnesium	1930		1	11.9	99.6	mg/Kg	08/08/25 13:15	08/11/25 15:31	6010D	SW3050
7439-96-5	Manganese	249		1	0.14	1.00	mg/Kg	08/08/25 13:15	08/11/25 15:31	6010D	SW3050
7439-97-6	Mercury	2.91	D*	10	0.085	0.15	mg/Kg	08/08/25 11:35	08/11/25 13:22	7471B	
7440-02-0	Nickel	9.67		1	0.13	1.99	mg/Kg	08/08/25 13:15	08/11/25 15:31	6010D	SW3050
7440-09-7	Potassium	1000	N	1	27.6	99.6	mg/Kg	08/08/25 13:15	08/11/25 15:31	6010D	SW3050
7782-49-2	Selenium	0.26	UN	1	0.26	1.00	mg/Kg	08/08/25 13:15	08/11/25 15:31	6010D	SW3050
7440-22-4	Silver	0.75	N	1	0.12	0.50	mg/Kg	08/08/25 13:15	08/11/25 15:31	6010D	SW3050
7440-23-5	Sodium	65.7	JN	1	17.7	99.6	mg/Kg	08/08/25 13:15	08/11/25 15:31	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	1.99	mg/Kg	08/08/25 13:15	08/11/25 15:31	6010D	SW3050
7440-62-2	Vanadium	22.0	N	1	0.25	1.99	mg/Kg	08/08/25 13:15	08/11/25 15:31	6010D	SW3050
7440-66-6	Zinc	80.7		1	0.23	1.99	mg/Kg	08/08/25 13:15	08/11/25 15:31	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	N/A
Comments:	Metals Group1			

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



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

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
ICV06	Mercury	3.69	4.0	92	90 - 110	CV	08/11/2025	10:33	LB136768

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

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
CCV15	Mercury	5.16	5.0	103	90 - 110	CV	08/11/2025	11:06	LB136768
CCV16	Mercury	5.27	5.0	105	90 - 110	CV	08/11/2025	11:53	LB136768
CCV17	Mercury	4.90	5.0	98	90 - 110	CV	08/11/2025	12:26	LB136768
CCV18	Mercury	5.07	5.0	101	90 - 110	CV	08/11/2025	13:32	LB136768
CCV19	Mercury	5.03	5.0	101	90 - 110	CV	08/11/2025	13:56	LB136768

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	7500	8000	94	90 - 110	P	08/11/2025	11:09	LB136778
	Antimony	3860	4000	96	90 - 110	P	08/11/2025	11:09	LB136778
	Arsenic	3700	4000	93	90 - 110	P	08/11/2025	11:09	LB136778
	Barium	7500	8000	94	90 - 110	P	08/11/2025	11:09	LB136778
	Beryllium	190	200	95	90 - 110	P	08/11/2025	11:09	LB136778
	Cadmium	1840	2000	92	90 - 110	P	08/11/2025	11:09	LB136778
	Calcium	18800	20000	94	90 - 110	P	08/11/2025	11:09	LB136778
	Chromium	755	800	94	90 - 110	P	08/11/2025	11:09	LB136778
	Cobalt	1880	2000	94	90 - 110	P	08/11/2025	11:09	LB136778
	Copper	962	1000	96	90 - 110	P	08/11/2025	11:09	LB136778
	Iron	3710	4000	93	90 - 110	P	08/11/2025	11:09	LB136778
	Lead	3840	4000	96	90 - 110	P	08/11/2025	11:09	LB136778
	Magnesium	18800	20000	94	90 - 110	P	08/11/2025	11:09	LB136778
	Manganese	1880	2000	94	90 - 110	P	08/11/2025	11:09	LB136778
	Nickel	1870	2000	94	90 - 110	P	08/11/2025	11:09	LB136778
	Potassium	18400	20000	92	90 - 110	P	08/11/2025	11:09	LB136778
	Selenium	3720	4000	93	90 - 110	P	08/11/2025	11:09	LB136778
	Silver	940	1000	94	90 - 110	P	08/11/2025	11:09	LB136778
	Sodium	18300	20000	91	90 - 110	P	08/11/2025	11:09	LB136778
	Thallium	3830	4000	96	90 - 110	P	08/11/2025	11:09	LB136778
	Vanadium	1910	2000	96	90 - 110	P	08/11/2025	11:09	LB136778
	Zinc	1860	2000	93	90 - 110	P	08/11/2025	11:09	LB136778

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	119	100	119	80 - 120	P	08/11/2025	11:33	LB136778
	Antimony	48.4	50.0	97	80 - 120	P	08/11/2025	11:33	LB136778
	Arsenic	19.2	20.0	96	80 - 120	P	08/11/2025	11:33	LB136778
	Barium	97.3	100	97	80 - 120	P	08/11/2025	11:33	LB136778
	Beryllium	5.80	6.0	97	80 - 120	P	08/11/2025	11:33	LB136778
	Cadmium	5.81	6.0	97	80 - 120	P	08/11/2025	11:33	LB136778
	Calcium	2020	2000	101	80 - 120	P	08/11/2025	11:33	LB136778
	Chromium	9.94	10.0	99	80 - 120	P	08/11/2025	11:33	LB136778
	Cobalt	28.1	30.0	94	80 - 120	P	08/11/2025	11:33	LB136778
	Copper	20.7	20.0	103	80 - 120	P	08/11/2025	11:33	LB136778
	Iron	98.4	100	98	80 - 120	P	08/11/2025	11:33	LB136778
	Lead	12.4	12.0	103	80 - 120	P	08/11/2025	11:33	LB136778
	Magnesium	2060	2000	103	80 - 120	P	08/11/2025	11:33	LB136778
	Manganese	23.8	20.0	119	80 - 120	P	08/11/2025	11:33	LB136778
	Nickel	38.5	40.0	96	80 - 120	P	08/11/2025	11:33	LB136778
	Potassium	1670	2000	84	80 - 120	P	08/11/2025	11:33	LB136778
	Selenium	21.6	20.0	108	80 - 120	P	08/11/2025	11:33	LB136778
	Silver	10.2	10.0	102	80 - 120	P	08/11/2025	11:33	LB136778
	Sodium	1660	2000	83	80 - 120	P	08/11/2025	11:33	LB136778
	Thallium	37.3	40.0	93	80 - 120	P	08/11/2025	11:33	LB136778
	Vanadium	42.0	40.0	105	80 - 120	P	08/11/2025	11:33	LB136778
	Zinc	41.5	40.0	104	80 - 120	P	08/11/2025	11:33	LB136778

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9900	10000	99	90 - 110	P	08/11/2025	12:05	LB136778
	Antimony	4990	5000	100	90 - 110	P	08/11/2025	12:05	LB136778
	Arsenic	4930	5000	99	90 - 110	P	08/11/2025	12:05	LB136778
	Barium	10000	10000	100	90 - 110	P	08/11/2025	12:05	LB136778
	Beryllium	248	250	99	90 - 110	P	08/11/2025	12:05	LB136778
	Cadmium	2420	2500	97	90 - 110	P	08/11/2025	12:05	LB136778
	Calcium	24900	25000	99	90 - 110	P	08/11/2025	12:05	LB136778
	Chromium	985	1000	98	90 - 110	P	08/11/2025	12:05	LB136778
	Cobalt	2440	2500	98	90 - 110	P	08/11/2025	12:05	LB136778
	Copper	1230	1250	99	90 - 110	P	08/11/2025	12:05	LB136778
	Iron	4980	5000	100	90 - 110	P	08/11/2025	12:05	LB136778
	Lead	4830	5000	97	90 - 110	P	08/11/2025	12:05	LB136778
	Magnesium	24700	25000	99	90 - 110	P	08/11/2025	12:05	LB136778
	Manganese	2500	2500	100	90 - 110	P	08/11/2025	12:05	LB136778
	Nickel	2430	2500	97	90 - 110	P	08/11/2025	12:05	LB136778
	Potassium	24500	25000	98	90 - 110	P	08/11/2025	12:05	LB136778
	Selenium	4890	5000	98	90 - 110	P	08/11/2025	12:05	LB136778
	Silver	1240	1250	99	90 - 110	P	08/11/2025	12:05	LB136778
	Sodium	24900	25000	100	90 - 110	P	08/11/2025	12:05	LB136778
	Thallium	4760	5000	95	90 - 110	P	08/11/2025	12:05	LB136778
	Vanadium	2480	2500	99	90 - 110	P	08/11/2025	12:05	LB136778
	Zinc	2490	2500	100	90 - 110	P	08/11/2025	12:05	LB136778
CCV02	Aluminum	9660	10000	97	90 - 110	P	08/11/2025	13:00	LB136778
	Antimony	4960	5000	99	90 - 110	P	08/11/2025	13:00	LB136778
	Arsenic	4890	5000	98	90 - 110	P	08/11/2025	13:00	LB136778
	Barium	9690	10000	97	90 - 110	P	08/11/2025	13:00	LB136778
	Beryllium	231	250	92	90 - 110	P	08/11/2025	13:00	LB136778
	Cadmium	2340	2500	94	90 - 110	P	08/11/2025	13:00	LB136778
	Calcium	24100	25000	96	90 - 110	P	08/11/2025	13:00	LB136778
	Chromium	961	1000	96	90 - 110	P	08/11/2025	13:00	LB136778
	Cobalt	2370	2500	95	90 - 110	P	08/11/2025	13:00	LB136778
	Copper	1210	1250	97	90 - 110	P	08/11/2025	13:00	LB136778
	Iron	5030	5000	101	90 - 110	P	08/11/2025	13:00	LB136778
	Lead	4680	5000	94	90 - 110	P	08/11/2025	13:00	LB136778

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder
Contract: POWE02
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

SDG No.: Q2795
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	23700	25000	95	90 - 110	P	08/11/2025	13:00	LB136778
	Manganese	2420	2500	97	90 - 110	P	08/11/2025	13:00	LB136778
	Nickel	2360	2500	95	90 - 110	P	08/11/2025	13:00	LB136778
	Potassium	25400	25000	102	90 - 110	P	08/11/2025	13:00	LB136778
	Selenium	4890	5000	98	90 - 110	P	08/11/2025	13:00	LB136778
	Silver	1220	1250	97	90 - 110	P	08/11/2025	13:00	LB136778
	Sodium	25200	25000	101	90 - 110	P	08/11/2025	13:00	LB136778
	Thallium	4640	5000	93	90 - 110	P	08/11/2025	13:00	LB136778
	Vanadium	2430	2500	97	90 - 110	P	08/11/2025	13:00	LB136778
	Zinc	2460	2500	98	90 - 110	P	08/11/2025	13:00	LB136778
CCV03	Aluminum	9140	10000	91	90 - 110	P	08/11/2025	14:54	LB136778
	Antimony	4880	5000	98	90 - 110	P	08/11/2025	14:54	LB136778
	Arsenic	4840	5000	97	90 - 110	P	08/11/2025	14:54	LB136778
	Barium	9090	10000	91	90 - 110	P	08/11/2025	14:54	LB136778
	Beryllium	269	250	108	90 - 110	P	08/11/2025	14:54	LB136778
	Cadmium	2320	2500	93	90 - 110	P	08/11/2025	14:54	LB136778
	Calcium	22800	25000	91	90 - 110	P	08/11/2025	14:54	LB136778
	Chromium	913	1000	91	90 - 110	P	08/11/2025	14:54	LB136778
	Cobalt	2320	2500	93	90 - 110	P	08/11/2025	14:54	LB136778
	Copper	1180	1250	95	90 - 110	P	08/11/2025	14:54	LB136778
	Iron	4740	5000	95	90 - 110	P	08/11/2025	14:54	LB136778
	Lead	4620	5000	92	90 - 110	P	08/11/2025	14:54	LB136778
	Magnesium	22500	25000	90	90 - 110	P	08/11/2025	14:54	LB136778
	Manganese	2270	2500	91	90 - 110	P	08/11/2025	14:54	LB136778
	Nickel	2330	2500	93	90 - 110	P	08/11/2025	14:54	LB136778
	Potassium	23800	25000	95	90 - 110	P	08/11/2025	14:54	LB136778
	Selenium	4950	5000	99	90 - 110	P	08/11/2025	14:54	LB136778
	Silver	1170	1250	94	90 - 110	P	08/11/2025	14:54	LB136778
	Sodium	23200	25000	93	90 - 110	P	08/11/2025	14:54	LB136778
	Thallium	5170	5000	103	90 - 110	P	08/11/2025	14:54	LB136778
	Vanadium	2300	2500	92	90 - 110	P	08/11/2025	14:54	LB136778
	Zinc	2350	2500	94	90 - 110	P	08/11/2025	14:54	LB136778
CCV04	Aluminum	9270	10000	93	90 - 110	P	08/11/2025	16:02	LB136778
	Antimony	5030	5000	100	90 - 110	P	08/11/2025	16:02	LB136778

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4990	5000	100	90 - 110	P	08/11/2025	16:02	LB136778
	Barium	9100	10000	91	90 - 110	P	08/11/2025	16:02	LB136778
	Beryllium	227	250	91	90 - 110	P	08/11/2025	16:02	LB136778
	Cadmium	2370	2500	95	90 - 110	P	08/11/2025	16:02	LB136778
	Calcium	23000	25000	92	90 - 110	P	08/11/2025	16:02	LB136778
	Chromium	921	1000	92	90 - 110	P	08/11/2025	16:02	LB136778
	Cobalt	2380	2500	95	90 - 110	P	08/11/2025	16:02	LB136778
	Copper	1210	1250	97	90 - 110	P	08/11/2025	16:02	LB136778
	Iron	4770	5000	95	90 - 110	P	08/11/2025	16:02	LB136778
	Lead	4740	5000	95	90 - 110	P	08/11/2025	16:02	LB136778
	Magnesium	22900	25000	92	90 - 110	P	08/11/2025	16:02	LB136778
	Manganese	2300	2500	92	90 - 110	P	08/11/2025	16:02	LB136778
	Nickel	2390	2500	95	90 - 110	P	08/11/2025	16:02	LB136778
	Potassium	23700	25000	95	90 - 110	P	08/11/2025	16:02	LB136778
	Selenium	5090	5000	102	90 - 110	P	08/11/2025	16:02	LB136778
	Silver	1180	1250	94	90 - 110	P	08/11/2025	16:02	LB136778
	Sodium	23000	25000	92	90 - 110	P	08/11/2025	16:02	LB136778
	Thallium	5410	5000	108	90 - 110	P	08/11/2025	16:02	LB136778
	Vanadium	2350	2500	94	90 - 110	P	08/11/2025	16:02	LB136778
	Zinc	2370	2500	95	90 - 110	P	08/11/2025	16:02	LB136778

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	7870	8000	98	90 - 110	P	08/15/2025	11:50	LB136851
	Antimony	4130	4000	103	90 - 110	P	08/15/2025	11:50	LB136851
	Arsenic	3980	4000	99	90 - 110	P	08/15/2025	11:50	LB136851
	Barium	7840	8000	98	90 - 110	P	08/15/2025	11:50	LB136851
	Beryllium	195	200	98	90 - 110	P	08/15/2025	11:50	LB136851
	Cadmium	1940	2000	97	90 - 110	P	08/15/2025	11:50	LB136851
	Calcium	19400	20000	97	90 - 110	P	08/15/2025	11:50	LB136851
	Chromium	795	800	99	90 - 110	P	08/15/2025	11:50	LB136851
	Cobalt	1970	2000	98	90 - 110	P	08/15/2025	11:50	LB136851
	Copper	1010	1000	102	90 - 110	P	08/15/2025	11:50	LB136851
	Iron	3940	4000	98	90 - 110	P	08/15/2025	11:50	LB136851
	Lead	3820	4000	96	90 - 110	P	08/15/2025	11:50	LB136851
	Magnesium	19300	20000	96	90 - 110	P	08/15/2025	11:50	LB136851
	Manganese	1940	2000	97	90 - 110	P	08/15/2025	11:50	LB136851
	Nickel	1960	2000	98	90 - 110	P	08/15/2025	11:50	LB136851
	Potassium	19600	20000	98	90 - 110	P	08/15/2025	11:50	LB136851
	Selenium	4030	4000	101	90 - 110	P	08/15/2025	11:50	LB136851
	Silver	997	1000	100	90 - 110	P	08/15/2025	11:50	LB136851
	Sodium	19700	20000	98	90 - 110	P	08/15/2025	11:50	LB136851
	Thallium	3810	4000	95	90 - 110	P	08/15/2025	11:50	LB136851
	Vanadium	1960	2000	98	90 - 110	P	08/15/2025	11:50	LB136851
	Zinc	2020	2000	101	90 - 110	P	08/15/2025	11:50	LB136851

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	106	100	106	80 - 120	P	08/15/2025	11:56	LB136851
	Antimony	50.7	50.0	101	80 - 120	P	08/15/2025	11:56	LB136851
	Arsenic	19.5	20.0	98	80 - 120	P	08/15/2025	11:56	LB136851
	Barium	93.5	100	94	80 - 120	P	08/15/2025	11:56	LB136851
	Beryllium	6.22	6.0	104	80 - 120	P	08/15/2025	11:56	LB136851
	Cadmium	5.88	6.0	98	80 - 120	P	08/15/2025	11:56	LB136851
	Calcium	2050	2000	103	80 - 120	P	08/15/2025	11:56	LB136851
	Chromium	10.2	10.0	102	80 - 120	P	08/15/2025	11:56	LB136851
	Cobalt	29.6	30.0	99	80 - 120	P	08/15/2025	11:56	LB136851
	Copper	21.8	20.0	109	80 - 120	P	08/15/2025	11:56	LB136851
	Iron	103	100	103	80 - 120	P	08/15/2025	11:56	LB136851
	Lead	11.7	12.0	98	80 - 120	P	08/15/2025	11:56	LB136851
	Magnesium	2160	2000	108	80 - 120	P	08/15/2025	11:56	LB136851
	Manganese	21.6	20.0	108	80 - 120	P	08/15/2025	11:56	LB136851
	Nickel	40.1	40.0	100	80 - 120	P	08/15/2025	11:56	LB136851
	Potassium	1960	2000	98	80 - 120	P	08/15/2025	11:56	LB136851
	Selenium	21.3	20.0	106	80 - 120	P	08/15/2025	11:56	LB136851
	Silver	10.6	10.0	106	80 - 120	P	08/15/2025	11:56	LB136851
	Sodium	1900	2000	95	80 - 120	P	08/15/2025	11:56	LB136851
	Thallium	39.8	40.0	99	80 - 120	P	08/15/2025	11:56	LB136851
	Vanadium	39.0	40.0	98	80 - 120	P	08/15/2025	11:56	LB136851
	Zinc	42.5	40.0	106	80 - 120	P	08/15/2025	11:56	LB136851

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9820	10000	98	90 - 110	P	08/15/2025	12:26	LB136851
	Antimony	5030	5000	101	90 - 110	P	08/15/2025	12:26	LB136851
	Arsenic	4990	5000	100	90 - 110	P	08/15/2025	12:26	LB136851
	Barium	9720	10000	97	90 - 110	P	08/15/2025	12:26	LB136851
	Beryllium	241	250	96	90 - 110	P	08/15/2025	12:26	LB136851
	Cadmium	2440	2500	98	90 - 110	P	08/15/2025	12:26	LB136851
	Calcium	24400	25000	98	90 - 110	P	08/15/2025	12:26	LB136851
	Chromium	989	1000	99	90 - 110	P	08/15/2025	12:26	LB136851
	Cobalt	2440	2500	98	90 - 110	P	08/15/2025	12:26	LB136851
	Copper	1240	1250	99	90 - 110	P	08/15/2025	12:26	LB136851
	Iron	4980	5000	100	90 - 110	P	08/15/2025	12:26	LB136851
	Lead	4870	5000	97	90 - 110	P	08/15/2025	12:26	LB136851
	Magnesium	24200	25000	97	90 - 110	P	08/15/2025	12:26	LB136851
	Manganese	2420	2500	97	90 - 110	P	08/15/2025	12:26	LB136851
	Nickel	2440	2500	98	90 - 110	P	08/15/2025	12:26	LB136851
	Potassium	24900	25000	100	90 - 110	P	08/15/2025	12:26	LB136851
	Selenium	5060	5000	101	90 - 110	P	08/15/2025	12:26	LB136851
	Silver	1240	1250	99	90 - 110	P	08/15/2025	12:26	LB136851
	Sodium	24900	25000	100	90 - 110	P	08/15/2025	12:26	LB136851
	Thallium	5250	5000	105	90 - 110	P	08/15/2025	12:26	LB136851
	Vanadium	2460	2500	98	90 - 110	P	08/15/2025	12:26	LB136851
	Zinc	2520	2500	101	90 - 110	P	08/15/2025	12:26	LB136851
CCV02	Aluminum	9430	10000	94	90 - 110	P	08/15/2025	13:40	LB136851
	Antimony	4960	5000	99	90 - 110	P	08/15/2025	13:40	LB136851
	Arsenic	4910	5000	98	90 - 110	P	08/15/2025	13:40	LB136851
	Barium	9430	10000	94	90 - 110	P	08/15/2025	13:40	LB136851
	Beryllium	229	250	91	90 - 110	P	08/15/2025	13:40	LB136851
	Cadmium	2340	2500	93	90 - 110	P	08/15/2025	13:40	LB136851
	Calcium	23400	25000	94	90 - 110	P	08/15/2025	13:40	LB136851
	Chromium	951	1000	95	90 - 110	P	08/15/2025	13:40	LB136851
	Cobalt	2340	2500	94	90 - 110	P	08/15/2025	13:40	LB136851
	Copper	1210	1250	96	90 - 110	P	08/15/2025	13:40	LB136851
	Iron	4840	5000	97	90 - 110	P	08/15/2025	13:40	LB136851
	Lead	4680	5000	94	90 - 110	P	08/15/2025	13:40	LB136851

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	23100	25000	92	90 - 110	P	08/15/2025	13:40	LB136851
	Manganese	2330	2500	93	90 - 110	P	08/15/2025	13:40	LB136851
	Nickel	2350	2500	94	90 - 110	P	08/15/2025	13:40	LB136851
	Potassium	24200	25000	97	90 - 110	P	08/15/2025	13:40	LB136851
	Selenium	5010	5000	100	90 - 110	P	08/15/2025	13:40	LB136851
	Silver	1200	1250	96	90 - 110	P	08/15/2025	13:40	LB136851
	Sodium	23900	25000	96	90 - 110	P	08/15/2025	13:40	LB136851
	Thallium	5400	5000	108	90 - 110	P	08/15/2025	13:40	LB136851
	Vanadium	2370	2500	95	90 - 110	P	08/15/2025	13:40	LB136851
	Zinc	2440	2500	98	90 - 110	P	08/15/2025	13:40	LB136851
CCV03	Aluminum	9550	10000	96	90 - 110	P	08/15/2025	15:04	LB136851
	Antimony	5010	5000	100	90 - 110	P	08/15/2025	15:04	LB136851
	Arsenic	4970	5000	99	90 - 110	P	08/15/2025	15:04	LB136851
	Barium	9500	10000	95	90 - 110	P	08/15/2025	15:04	LB136851
	Beryllium	226	250	90	90 - 110	P	08/15/2025	15:04	LB136851
	Cadmium	2360	2500	94	90 - 110	P	08/15/2025	15:04	LB136851
	Calcium	23500	25000	94	90 - 110	P	08/15/2025	15:04	LB136851
	Chromium	969	1000	97	90 - 110	P	08/15/2025	15:04	LB136851
	Cobalt	2360	2500	94	90 - 110	P	08/15/2025	15:04	LB136851
	Copper	1220	1250	97	90 - 110	P	08/15/2025	15:04	LB136851
	Iron	5030	5000	101	90 - 110	P	08/15/2025	15:04	LB136851
	Lead	4720	5000	94	90 - 110	P	08/15/2025	15:04	LB136851
	Magnesium	23200	25000	93	90 - 110	P	08/15/2025	15:04	LB136851
	Manganese	2330	2500	93	90 - 110	P	08/15/2025	15:04	LB136851
	Nickel	2380	2500	95	90 - 110	P	08/15/2025	15:04	LB136851
	Potassium	25300	25000	101	90 - 110	P	08/15/2025	15:04	LB136851
	Selenium	5080	5000	102	90 - 110	P	08/15/2025	15:04	LB136851
	Silver	1210	1250	97	90 - 110	P	08/15/2025	15:04	LB136851
	Sodium	24900	25000	100	90 - 110	P	08/15/2025	15:04	LB136851
	Thallium	5050	5000	101	90 - 110	P	08/15/2025	15:04	LB136851
	Vanadium	2400	2500	96	90 - 110	P	08/15/2025	15:04	LB136851
	Zinc	2490	2500	99	90 - 110	P	08/15/2025	15:04	LB136851
CCV04	Aluminum	9750	10000	98	90 - 110	P	08/15/2025	15:55	LB136851
	Antimony	5130	5000	102	90 - 110	P	08/15/2025	15:55	LB136851

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder
Contract: POWE02
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

SDG No.: Q2795
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	5080	5000	102	90 - 110	P	08/15/2025	15:55	LB136851
	Barium	9540	10000	95	90 - 110	P	08/15/2025	15:55	LB136851
	Beryllium	229	250	92	90 - 110	P	08/15/2025	15:55	LB136851
	Cadmium	2390	2500	96	90 - 110	P	08/15/2025	15:55	LB136851
	Calcium	23800	25000	95	90 - 110	P	08/15/2025	15:55	LB136851
	Chromium	980	1000	98	90 - 110	P	08/15/2025	15:55	LB136851
	Cobalt	2390	2500	96	90 - 110	P	08/15/2025	15:55	LB136851
	Copper	1240	1250	99	90 - 110	P	08/15/2025	15:55	LB136851
	Iron	5040	5000	101	90 - 110	P	08/15/2025	15:55	LB136851
	Lead	4800	5000	96	90 - 110	P	08/15/2025	15:55	LB136851
	Magnesium	23700	25000	95	90 - 110	P	08/15/2025	15:55	LB136851
	Manganese	2350	2500	94	90 - 110	P	08/15/2025	15:55	LB136851
	Nickel	2410	2500	96	90 - 110	P	08/15/2025	15:55	LB136851
	Potassium	25400	25000	102	90 - 110	P	08/15/2025	15:55	LB136851
	Selenium	5240	5000	105	90 - 110	P	08/15/2025	15:55	LB136851
	Silver	1230	1250	99	90 - 110	P	08/15/2025	15:55	LB136851
	Sodium	24800	25000	99	90 - 110	P	08/15/2025	15:55	LB136851
	Thallium	4540	5000	91	90 - 110	P	08/15/2025	15:55	LB136851
	Vanadium	2440	2500	98	90 - 110	P	08/15/2025	15:55	LB136851
	Zinc	2530	2500	101	90 - 110	P	08/15/2025	15:55	LB136851
CCV05	Aluminum	9680	10000	97	90 - 110	P	08/15/2025	16:38	LB136851
	Antimony	5190	5000	104	90 - 110	P	08/15/2025	16:38	LB136851
	Arsenic	5110	5000	102	90 - 110	P	08/15/2025	16:38	LB136851
	Barium	9690	10000	97	90 - 110	P	08/15/2025	16:38	LB136851
	Beryllium	230	250	92	90 - 110	P	08/15/2025	16:38	LB136851
	Cadmium	2400	2500	96	90 - 110	P	08/15/2025	16:38	LB136851
	Calcium	23700	25000	95	90 - 110	P	08/15/2025	16:38	LB136851
	Chromium	985	1000	98	90 - 110	P	08/15/2025	16:38	LB136851
	Cobalt	2410	2500	96	90 - 110	P	08/15/2025	16:38	LB136851
	Copper	1250	1250	100	90 - 110	P	08/15/2025	16:38	LB136851
	Iron	5050	5000	101	90 - 110	P	08/15/2025	16:38	LB136851
	Lead	4830	5000	97	90 - 110	P	08/15/2025	16:38	LB136851
	Magnesium	23500	25000	94	90 - 110	P	08/15/2025	16:38	LB136851
	Manganese	2350	2500	94	90 - 110	P	08/15/2025	16:38	LB136851

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2430	2500	97	90 - 110	P	08/15/2025	16:38	LB136851
	Potassium	25600	25000	102	90 - 110	P	08/15/2025	16:38	LB136851
	Selenium	5240	5000	105	90 - 110	P	08/15/2025	16:38	LB136851
	Silver	1250	1250	100	90 - 110	P	08/15/2025	16:38	LB136851
	Sodium	24600	25000	99	90 - 110	P	08/15/2025	16:38	LB136851
	Thallium	4920	5000	98	90 - 110	P	08/15/2025	16:38	LB136851
	Vanadium	2430	2500	97	90 - 110	P	08/15/2025	16:38	LB136851
	Zinc	2560	2500	102	90 - 110	P	08/15/2025	16:38	LB136851

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Kleinfelder **SDG No.:** Q2795
Contract: POWE02 **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	104	70 - 130	CV	08/11/2025	11:11	LB136768
CRI01	Aluminum	89.1	100	89	65 - 135	P	08/11/2025	11:41	LB136778
	Antimony	46.6	50.0	93	65 - 135	P	08/11/2025	11:41	LB136778
	Arsenic	18.6	20.0	93	65 - 135	P	08/11/2025	11:41	LB136778
	Barium	92.3	100	92	65 - 135	P	08/11/2025	11:41	LB136778
	Beryllium	5.86	6.0	98	65 - 135	P	08/11/2025	11:41	LB136778
	Cadmium	5.33	6.0	89	65 - 135	P	08/11/2025	11:41	LB136778
	Calcium	1950	2000	97	65 - 135	P	08/11/2025	11:41	LB136778
	Chromium	9.43	10.0	94	65 - 135	P	08/11/2025	11:41	LB136778
	Cobalt	27.6	30.0	92	65 - 135	P	08/11/2025	11:41	LB136778
	Copper	20.1	20.0	101	65 - 135	P	08/11/2025	11:41	LB136778
	Iron	85.5	100	86	65 - 135	P	08/11/2025	11:41	LB136778
	Lead	12.1	12.0	101	65 - 135	P	08/11/2025	11:41	LB136778
	Magnesium	2050	2000	103	65 - 135	P	08/11/2025	11:41	LB136778
	Manganese	20.1	20.0	100	65 - 135	P	08/11/2025	11:41	LB136778
	Nickel	37.4	40.0	94	65 - 135	P	08/11/2025	11:41	LB136778
	Potassium	1770	2000	88	65 - 135	P	08/11/2025	11:41	LB136778
	Selenium	19.0	20.0	95	65 - 135	P	08/11/2025	11:41	LB136778
	Silver	9.70	10.0	97	65 - 135	P	08/11/2025	11:41	LB136778
	Sodium	1770	2000	89	65 - 135	P	08/11/2025	11:41	LB136778
	Thallium	39.2	40.0	98	65 - 135	P	08/11/2025	11:41	LB136778
	Vanadium	41.4	40.0	104	65 - 135	P	08/11/2025	11:41	LB136778
	Zinc	37.4	40.0	94	65 - 135	P	08/11/2025	11:41	LB136778
CRI01	Aluminum	110	100	110	65 - 135	P	08/15/2025	12:04	LB136851
	Antimony	51.4	50.0	103	65 - 135	P	08/15/2025	12:04	LB136851
	Arsenic	20.3	20.0	101	65 - 135	P	08/15/2025	12:04	LB136851
	Barium	92.9	100	93	65 - 135	P	08/15/2025	12:04	LB136851
	Beryllium	6.29	6.0	105	65 - 135	P	08/15/2025	12:04	LB136851
	Cadmium	5.82	6.0	97	65 - 135	P	08/15/2025	12:04	LB136851
	Calcium	2050	2000	103	65 - 135	P	08/15/2025	12:04	LB136851
	Chromium	10.3	10.0	103	65 - 135	P	08/15/2025	12:04	LB136851
	Cobalt	29.6	30.0	99	65 - 135	P	08/15/2025	12:04	LB136851
	Copper	22.0	20.0	110	65 - 135	P	08/15/2025	12:04	LB136851
	Iron	103	100	103	65 - 135	P	08/15/2025	12:04	LB136851
	Lead	12.6	12.0	105	65 - 135	P	08/15/2025	12:04	LB136851

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Magnesium	2160	2000	108	65 - 135	P	08/15/2025	12:04	LB136851
	Manganese	21.7	20.0	108	65 - 135	P	08/15/2025	12:04	LB136851
	Nickel	40.2	40.0	100	65 - 135	P	08/15/2025	12:04	LB136851
	Potassium	1890	2000	95	65 - 135	P	08/15/2025	12:04	LB136851
	Selenium	20.7	20.0	103	65 - 135	P	08/15/2025	12:04	LB136851
	Silver	10.9	10.0	108	65 - 135	P	08/15/2025	12:04	LB136851
	Sodium	1870	2000	94	65 - 135	P	08/15/2025	12:04	LB136851
	Thallium	39.4	40.0	99	65 - 135	P	08/15/2025	12:04	LB136851
	Vanadium	39.3	40.0	98	65 - 135	P	08/15/2025	12:04	LB136851
	Zinc	42.6	40.0	107	65 - 135	P	08/15/2025	12:04	LB136851



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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB06	Mercury	0.076	+/-0.2	U	0.20	CV	08/11/2025	10:35	LB136768

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB15	Mercury	0.076	+/-0.2	U	0.20	CV	08/11/2025	11:08	LB136768
CCB16	Mercury	0.076	+/-0.2	U	0.20	CV	08/11/2025	11:55	LB136768
CCB17	Mercury	0.076	+/-0.2	U	0.20	CV	08/11/2025	12:29	LB136768
CCB18	Mercury	0.076	+/-0.2	U	0.20	CV	08/11/2025	13:34	LB136768
CCB19	Mercury	0.076	+/-0.2	U	0.20	CV	08/11/2025	13:59	LB136768

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	100	P	08/11/2025	11:37	LB136778
	Antimony	6.76	+/-25	U	50.0	P	08/11/2025	11:37	LB136778
	Arsenic	5.12	+/-10	U	20.0	P	08/11/2025	11:37	LB136778
	Barium	14.6	+/-50	U	100	P	08/11/2025	11:37	LB136778
	Beryllium	0.56	+/-3	U	6.00	P	08/11/2025	11:37	LB136778
	Cadmium	0.50	+/-3	U	6.00	P	08/11/2025	11:37	LB136778
	Calcium	234	+/-1000	U	2000	P	08/11/2025	11:37	LB136778
	Chromium	2.12	+/-5	U	10.0	P	08/11/2025	11:37	LB136778
	Cobalt	2.26	+/-15	U	30.0	P	08/11/2025	11:37	LB136778
	Copper	4.60	+/-10	U	20.0	P	08/11/2025	11:37	LB136778
	Iron	23.4	+/-50	U	100	P	08/11/2025	11:37	LB136778
	Lead	2.30	+/-6	U	12.0	P	08/11/2025	11:37	LB136778
	Magnesium	244	+/-1000	U	2000	P	08/11/2025	11:37	LB136778
	Manganese	5.94	+/-10	U	20.0	P	08/11/2025	11:37	LB136778
	Nickel	3.06	+/-20	U	40.0	P	08/11/2025	11:37	LB136778
	Potassium	918	+/-1000	U	2000	P	08/11/2025	11:37	LB136778
	Selenium	9.64	+/-10	U	20.0	P	08/11/2025	11:37	LB136778
	Silver	1.62	+/-5	U	10.0	P	08/11/2025	11:37	LB136778
	Sodium	868	+/-1000	U	2000	P	08/11/2025	11:37	LB136778
	Thallium	4.38	+/-20	U	40.0	P	08/11/2025	11:37	LB136778
	Vanadium	6.26	+/-20	U	40.0	P	08/11/2025	11:37	LB136778
	Zinc	16.7	+/-20	U	40.0	P	08/11/2025	11:37	LB136778

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	23.2	+/-50	J	100	P	08/11/2025	12:09	LB136778
	Antimony	6.76	+/-25	U	50.0	P	08/11/2025	12:09	LB136778
	Arsenic	5.12	+/-10	U	20.0	P	08/11/2025	12:09	LB136778
	Barium	14.6	+/-50	U	100	P	08/11/2025	12:09	LB136778
	Beryllium	0.56	+/-3	U	6.00	P	08/11/2025	12:09	LB136778
	Cadmium	0.90	+/-3	J	6.00	P	08/11/2025	12:09	LB136778
	Calcium	234	+/-1000	U	2000	P	08/11/2025	12:09	LB136778
	Chromium	2.12	+/-5	U	10.0	P	08/11/2025	12:09	LB136778
	Cobalt	2.26	+/-15	U	30.0	P	08/11/2025	12:09	LB136778
	Copper	4.60	+/-10	U	20.0	P	08/11/2025	12:09	LB136778
	Iron	23.4	+/-50	U	100	P	08/11/2025	12:09	LB136778
	Lead	2.66	+/-6	J	12.0	P	08/11/2025	12:09	LB136778
	Magnesium	244	+/-1000	U	2000	P	08/11/2025	12:09	LB136778
	Manganese	5.94	+/-10	U	20.0	P	08/11/2025	12:09	LB136778
	Nickel	3.06	+/-20	U	40.0	P	08/11/2025	12:09	LB136778
	Potassium	918	+/-1000	U	2000	P	08/11/2025	12:09	LB136778
	Selenium	9.64	+/-10	U	20.0	P	08/11/2025	12:09	LB136778
	Silver	1.62	+/-5	U	10.0	P	08/11/2025	12:09	LB136778
	Sodium	868	+/-1000	U	2000	P	08/11/2025	12:09	LB136778
	Thallium	4.38	+/-20	U	40.0	P	08/11/2025	12:09	LB136778
	Vanadium	6.26	+/-20	U	40.0	P	08/11/2025	12:09	LB136778
	Zinc	16.7	+/-20	U	40.0	P	08/11/2025	12:09	LB136778
CCB02	Aluminum	11.8	+/-50	J	100	P	08/11/2025	13:04	LB136778
	Antimony	6.76	+/-25	U	50.0	P	08/11/2025	13:04	LB136778
	Arsenic	5.12	+/-10	U	20.0	P	08/11/2025	13:04	LB136778
	Barium	14.6	+/-50	U	100	P	08/11/2025	13:04	LB136778
	Beryllium	0.56	+/-3	U	6.00	P	08/11/2025	13:04	LB136778
	Cadmium	0.89	+/-3	J	6.00	P	08/11/2025	13:04	LB136778
	Calcium	234	+/-1000	U	2000	P	08/11/2025	13:04	LB136778
	Chromium	2.12	+/-5	U	10.0	P	08/11/2025	13:04	LB136778
	Cobalt	2.26	+/-15	U	30.0	P	08/11/2025	13:04	LB136778
	Copper	4.60	+/-10	U	20.0	P	08/11/2025	13:04	LB136778
	Iron	27.7	+/-50	J	100	P	08/11/2025	13:04	LB136778
	Lead	2.35	+/-6	J	12.0	P	08/11/2025	13:04	LB136778
	Magnesium	244	+/-1000	U	2000	P	08/11/2025	13:04	LB136778
	Manganese	5.94	+/-10	U	20.0	P	08/11/2025	13:04	LB136778
	Nickel	3.06	+/-20	U	40.0	P	08/11/2025	13:04	LB136778
	Potassium	918	+/-1000	U	2000	P	08/11/2025	13:04	LB136778
	Selenium	9.64	+/-10	U	20.0	P	08/11/2025	13:04	LB136778

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** Q2795
Contract: POWE02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	08/11/2025	13:04	LB136778
	Sodium	901	+/-1000	J	2000	P	08/11/2025	13:04	LB136778
	Thallium	4.38	+/-20	U	40.0	P	08/11/2025	13:04	LB136778
	Vanadium	6.26	+/-20	U	40.0	P	08/11/2025	13:04	LB136778
	Zinc	16.7	+/-20	U	40.0	P	08/11/2025	13:04	LB136778
CCB03	Aluminum	11.3	+/-50	U	100	P	08/11/2025	14:58	LB136778
	Antimony	6.76	+/-25	U	50.0	P	08/11/2025	14:58	LB136778
	Arsenic	5.12	+/-10	U	20.0	P	08/11/2025	14:58	LB136778
	Barium	14.6	+/-50	U	100	P	08/11/2025	14:58	LB136778
	Beryllium	0.56	+/-3	U	6.00	P	08/11/2025	14:58	LB136778
	Cadmium	0.50	+/-3	U	6.00	P	08/11/2025	14:58	LB136778
	Calcium	234	+/-1000	U	2000	P	08/11/2025	14:58	LB136778
	Chromium	2.12	+/-5	U	10.0	P	08/11/2025	14:58	LB136778
	Cobalt	2.26	+/-15	U	30.0	P	08/11/2025	14:58	LB136778
	Copper	4.60	+/-10	U	20.0	P	08/11/2025	14:58	LB136778
	Iron	23.4	+/-50	U	100	P	08/11/2025	14:58	LB136778
	Lead	2.30	+/-6	U	12.0	P	08/11/2025	14:58	LB136778
	Magnesium	244	+/-1000	U	2000	P	08/11/2025	14:58	LB136778
	Manganese	5.94	+/-10	U	20.0	P	08/11/2025	14:58	LB136778
	Nickel	3.06	+/-20	U	40.0	P	08/11/2025	14:58	LB136778
	Potassium	918	+/-1000	U	2000	P	08/11/2025	14:58	LB136778
	Selenium	9.64	+/-10	U	20.0	P	08/11/2025	14:58	LB136778
	Silver	1.62	+/-5	U	10.0	P	08/11/2025	14:58	LB136778
	Sodium	868	+/-1000	U	2000	P	08/11/2025	14:58	LB136778
	Thallium	4.38	+/-20	U	40.0	P	08/11/2025	14:58	LB136778
	Vanadium	6.26	+/-20	U	40.0	P	08/11/2025	14:58	LB136778
	Zinc	16.7	+/-20	U	40.0	P	08/11/2025	14:58	LB136778
CCB04	Aluminum	11.3	+/-50	U	100	P	08/11/2025	16:06	LB136778
	Antimony	6.76	+/-25	U	50.0	P	08/11/2025	16:06	LB136778
	Arsenic	5.12	+/-10	U	20.0	P	08/11/2025	16:06	LB136778
	Barium	14.6	+/-50	U	100	P	08/11/2025	16:06	LB136778
	Beryllium	0.56	+/-3	U	6.00	P	08/11/2025	16:06	LB136778
	Cadmium	0.50	+/-3	U	6.00	P	08/11/2025	16:06	LB136778
	Calcium	234	+/-1000	U	2000	P	08/11/2025	16:06	LB136778
	Chromium	2.12	+/-5	U	10.0	P	08/11/2025	16:06	LB136778
	Cobalt	2.26	+/-15	U	30.0	P	08/11/2025	16:06	LB136778
	Copper	4.60	+/-10	U	20.0	P	08/11/2025	16:06	LB136778
	Iron	23.4	+/-50	U	100	P	08/11/2025	16:06	LB136778
	Lead	2.30	+/-6	U	12.0	P	08/11/2025	16:06	LB136778

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	08/11/2025	16:06	LB136778
	Manganese	5.94	+/-10	U	20.0	P	08/11/2025	16:06	LB136778
	Nickel	3.06	+/-20	U	40.0	P	08/11/2025	16:06	LB136778
	Potassium	918	+/-1000	U	2000	P	08/11/2025	16:06	LB136778
	Selenium	9.64	+/-10	U	20.0	P	08/11/2025	16:06	LB136778
	Silver	1.62	+/-5	U	10.0	P	08/11/2025	16:06	LB136778
	Sodium	868	+/-1000	U	2000	P	08/11/2025	16:06	LB136778
	Thallium	4.38	+/-20	U	40.0	P	08/11/2025	16:06	LB136778
	Vanadium	6.26	+/-20	U	40.0	P	08/11/2025	16:06	LB136778
	Zinc	16.7	+/-20	U	40.0	P	08/11/2025	16:06	LB136778

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	100	P	08/15/2025	12:00	LB136851
	Antimony	6.76	+/-25	U	50.0	P	08/15/2025	12:00	LB136851
	Arsenic	5.12	+/-10	U	20.0	P	08/15/2025	12:00	LB136851
	Barium	14.6	+/-50	U	100	P	08/15/2025	12:00	LB136851
	Beryllium	0.56	+/-3	U	6.00	P	08/15/2025	12:00	LB136851
	Cadmium	0.50	+/-3	U	6.00	P	08/15/2025	12:00	LB136851
	Calcium	234	+/-1000	U	2000	P	08/15/2025	12:00	LB136851
	Chromium	2.12	+/-5	U	10.0	P	08/15/2025	12:00	LB136851
	Cobalt	2.26	+/-15	U	30.0	P	08/15/2025	12:00	LB136851
	Copper	4.60	+/-10	U	20.0	P	08/15/2025	12:00	LB136851
	Iron	23.4	+/-50	U	100	P	08/15/2025	12:00	LB136851
	Lead	2.30	+/-6	U	12.0	P	08/15/2025	12:00	LB136851
	Magnesium	244	+/-1000	U	2000	P	08/15/2025	12:00	LB136851
	Manganese	5.94	+/-10	U	20.0	P	08/15/2025	12:00	LB136851
	Nickel	3.06	+/-20	U	40.0	P	08/15/2025	12:00	LB136851
	Potassium	918	+/-1000	U	2000	P	08/15/2025	12:00	LB136851
	Selenium	9.64	+/-10	U	20.0	P	08/15/2025	12:00	LB136851
	Silver	1.62	+/-5	U	10.0	P	08/15/2025	12:00	LB136851
	Sodium	868	+/-1000	U	2000	P	08/15/2025	12:00	LB136851
	Thallium	4.38	+/-20	U	40.0	P	08/15/2025	12:00	LB136851
	Vanadium	6.26	+/-20	U	40.0	P	08/15/2025	12:00	LB136851
	Zinc	16.7	+/-20	U	40.0	P	08/15/2025	12:00	LB136851

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	08/15/2025	12:30	LB136851
	Antimony	6.76	+/-25	U	50.0	P	08/15/2025	12:30	LB136851
	Arsenic	5.12	+/-10	U	20.0	P	08/15/2025	12:30	LB136851
	Barium	14.6	+/-50	U	100	P	08/15/2025	12:30	LB136851
	Beryllium	0.56	+/-3	U	6.00	P	08/15/2025	12:30	LB136851
	Cadmium	0.50	+/-3	U	6.00	P	08/15/2025	12:30	LB136851
	Calcium	234	+/-1000	U	2000	P	08/15/2025	12:30	LB136851
	Chromium	2.12	+/-5	U	10.0	P	08/15/2025	12:30	LB136851
	Cobalt	2.26	+/-15	U	30.0	P	08/15/2025	12:30	LB136851
	Copper	4.60	+/-10	U	20.0	P	08/15/2025	12:30	LB136851
	Iron	23.4	+/-50	U	100	P	08/15/2025	12:30	LB136851
	Lead	2.30	+/-6	U	12.0	P	08/15/2025	12:30	LB136851
	Magnesium	244	+/-1000	U	2000	P	08/15/2025	12:30	LB136851
	Manganese	5.94	+/-10	U	20.0	P	08/15/2025	12:30	LB136851
	Nickel	3.06	+/-20	U	40.0	P	08/15/2025	12:30	LB136851
	Potassium	918	+/-1000	U	2000	P	08/15/2025	12:30	LB136851
	Selenium	9.64	+/-10	U	20.0	P	08/15/2025	12:30	LB136851
	Silver	1.62	+/-5	U	10.0	P	08/15/2025	12:30	LB136851
	Sodium	868	+/-1000	U	2000	P	08/15/2025	12:30	LB136851
	Thallium	4.38	+/-20	U	40.0	P	08/15/2025	12:30	LB136851
	Vanadium	6.26	+/-20	U	40.0	P	08/15/2025	12:30	LB136851
	Zinc	16.7	+/-20	U	40.0	P	08/15/2025	12:30	LB136851
CCB02	Aluminum	11.3	+/-50	U	100	P	08/15/2025	13:45	LB136851
	Antimony	6.76	+/-25	U	50.0	P	08/15/2025	13:45	LB136851
	Arsenic	5.12	+/-10	U	20.0	P	08/15/2025	13:45	LB136851
	Barium	14.6	+/-50	U	100	P	08/15/2025	13:45	LB136851
	Beryllium	0.56	+/-3	U	6.00	P	08/15/2025	13:45	LB136851
	Cadmium	0.50	+/-3	U	6.00	P	08/15/2025	13:45	LB136851
	Calcium	234	+/-1000	U	2000	P	08/15/2025	13:45	LB136851
	Chromium	2.12	+/-5	U	10.0	P	08/15/2025	13:45	LB136851
	Cobalt	2.26	+/-15	U	30.0	P	08/15/2025	13:45	LB136851
	Copper	4.60	+/-10	U	20.0	P	08/15/2025	13:45	LB136851
	Iron	23.4	+/-50	U	100	P	08/15/2025	13:45	LB136851
	Lead	2.30	+/-6	U	12.0	P	08/15/2025	13:45	LB136851
	Magnesium	244	+/-1000	U	2000	P	08/15/2025	13:45	LB136851
	Manganese	5.94	+/-10	U	20.0	P	08/15/2025	13:45	LB136851
	Nickel	3.06	+/-20	U	40.0	P	08/15/2025	13:45	LB136851
	Potassium	918	+/-1000	U	2000	P	08/15/2025	13:45	LB136851
	Selenium	9.64	+/-10	U	20.0	P	08/15/2025	13:45	LB136851

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	08/15/2025	13:45	LB136851
	Sodium	868	+/-1000	U	2000	P	08/15/2025	13:45	LB136851
	Thallium	4.38	+/-20	U	40.0	P	08/15/2025	13:45	LB136851
	Vanadium	6.26	+/-20	U	40.0	P	08/15/2025	13:45	LB136851
	Zinc	16.7	+/-20	U	40.0	P	08/15/2025	13:45	LB136851
CCB03	Aluminum	11.3	+/-50	U	100	P	08/15/2025	15:10	LB136851
	Antimony	6.76	+/-25	U	50.0	P	08/15/2025	15:10	LB136851
	Arsenic	5.12	+/-10	U	20.0	P	08/15/2025	15:10	LB136851
	Barium	14.6	+/-50	U	100	P	08/15/2025	15:10	LB136851
	Beryllium	0.56	+/-3	U	6.00	P	08/15/2025	15:10	LB136851
	Cadmium	0.50	+/-3	U	6.00	P	08/15/2025	15:10	LB136851
	Calcium	234	+/-1000	U	2000	P	08/15/2025	15:10	LB136851
	Chromium	2.12	+/-5	U	10.0	P	08/15/2025	15:10	LB136851
	Cobalt	2.26	+/-15	U	30.0	P	08/15/2025	15:10	LB136851
	Copper	4.60	+/-10	U	20.0	P	08/15/2025	15:10	LB136851
	Iron	23.4	+/-50	U	100	P	08/15/2025	15:10	LB136851
	Lead	2.30	+/-6	U	12.0	P	08/15/2025	15:10	LB136851
	Magnesium	244	+/-1000	U	2000	P	08/15/2025	15:10	LB136851
	Manganese	5.94	+/-10	U	20.0	P	08/15/2025	15:10	LB136851
	Nickel	3.06	+/-20	U	40.0	P	08/15/2025	15:10	LB136851
	Potassium	918	+/-1000	U	2000	P	08/15/2025	15:10	LB136851
	Selenium	9.64	+/-10	U	20.0	P	08/15/2025	15:10	LB136851
	Silver	1.62	+/-5	U	10.0	P	08/15/2025	15:10	LB136851
	Sodium	868	+/-1000	U	2000	P	08/15/2025	15:10	LB136851
	Thallium	4.38	+/-20	U	40.0	P	08/15/2025	15:10	LB136851
	Vanadium	6.26	+/-20	U	40.0	P	08/15/2025	15:10	LB136851
	Zinc	16.7	+/-20	U	40.0	P	08/15/2025	15:10	LB136851
CCB04	Aluminum	11.3	+/-50	U	100	P	08/15/2025	16:01	LB136851
	Antimony	6.76	+/-25	U	50.0	P	08/15/2025	16:01	LB136851
	Arsenic	5.12	+/-10	U	20.0	P	08/15/2025	16:01	LB136851
	Barium	14.6	+/-50	U	100	P	08/15/2025	16:01	LB136851
	Beryllium	0.56	+/-3	U	6.00	P	08/15/2025	16:01	LB136851
	Cadmium	0.50	+/-3	U	6.00	P	08/15/2025	16:01	LB136851
	Calcium	234	+/-1000	U	2000	P	08/15/2025	16:01	LB136851
	Chromium	2.12	+/-5	U	10.0	P	08/15/2025	16:01	LB136851
	Cobalt	2.26	+/-15	U	30.0	P	08/15/2025	16:01	LB136851
	Copper	4.60	+/-10	U	20.0	P	08/15/2025	16:01	LB136851
	Iron	23.4	+/-50	U	100	P	08/15/2025	16:01	LB136851
	Lead	2.30	+/-6	U	12.0	P	08/15/2025	16:01	LB136851

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	08/15/2025	16:01	LB136851
	Manganese	5.94	+/-10	U	20.0	P	08/15/2025	16:01	LB136851
	Nickel	3.06	+/-20	U	40.0	P	08/15/2025	16:01	LB136851
	Potassium	918	+/-1000	U	2000	P	08/15/2025	16:01	LB136851
	Selenium	9.64	+/-10	U	20.0	P	08/15/2025	16:01	LB136851
	Silver	1.62	+/-5	U	10.0	P	08/15/2025	16:01	LB136851
	Sodium	868	+/-1000	U	2000	P	08/15/2025	16:01	LB136851
	Thallium	4.38	+/-20	U	40.0	P	08/15/2025	16:01	LB136851
	Vanadium	6.26	+/-20	U	40.0	P	08/15/2025	16:01	LB136851
	Zinc	16.7	+/-20	U	40.0	P	08/15/2025	16:01	LB136851
CCB05	Aluminum	21.2	+/-50	J	100	P	08/15/2025	16:45	LB136851
	Antimony	6.76	+/-25	U	50.0	P	08/15/2025	16:45	LB136851
	Arsenic	5.12	+/-10	U	20.0	P	08/15/2025	16:45	LB136851
	Barium	14.6	+/-50	U	100	P	08/15/2025	16:45	LB136851
	Beryllium	0.56	+/-3	U	6.00	P	08/15/2025	16:45	LB136851
	Cadmium	0.50	+/-3	U	6.00	P	08/15/2025	16:45	LB136851
	Calcium	234	+/-1000	U	2000	P	08/15/2025	16:45	LB136851
	Chromium	2.12	+/-5	U	10.0	P	08/15/2025	16:45	LB136851
	Cobalt	2.26	+/-15	U	30.0	P	08/15/2025	16:45	LB136851
	Copper	4.60	+/-10	U	20.0	P	08/15/2025	16:45	LB136851
	Iron	23.4	+/-50	U	100	P	08/15/2025	16:45	LB136851
	Lead	2.30	+/-6	U	12.0	P	08/15/2025	16:45	LB136851
	Magnesium	244	+/-1000	U	2000	P	08/15/2025	16:45	LB136851
	Manganese	5.94	+/-10	U	20.0	P	08/15/2025	16:45	LB136851
	Nickel	3.06	+/-20	U	40.0	P	08/15/2025	16:45	LB136851
	Potassium	918	+/-1000	U	2000	P	08/15/2025	16:45	LB136851
	Selenium	9.64	+/-10	U	20.0	P	08/15/2025	16:45	LB136851
	Silver	1.62	+/-5	U	10.0	P	08/15/2025	16:45	LB136851
	Sodium	868	+/-1000	U	2000	P	08/15/2025	16:45	LB136851
	Thallium	4.38	+/-20	U	40.0	P	08/15/2025	16:45	LB136851
	Vanadium	6.26	+/-20	U	40.0	P	08/15/2025	16:45	LB136851
	Zinc	16.7	+/-20	U	40.0	P	08/15/2025	16:45	LB136851

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Kleinfelder

SDG No.: Q2795

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB169179BL		SOLID		Batch Number:	PB169179		Prep Date:	08/08/2025	
	Mercury	0.0080	<0.014	U	0.014	CV	08/11/2025	11:27	LB136768

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Kleinfelder

SDG No.: Q2795

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB169181BL	SOLID			Batch Number:	PB169181		Prep Date:	08/08/2025	
	Aluminum	0.84	<2.5	U	5.00	P	08/15/2025	14:32	LB136851
	Antimony	0.22	<1.25	U	2.50	P	08/15/2025	14:32	LB136851
	Arsenic	0.19	<0.5	U	1.00	P	08/15/2025	14:32	LB136851
	Barium	0.73	<2.5	U	5.00	P	08/15/2025	14:32	LB136851
	Beryllium	0.025	<0.15	U	0.30	P	08/15/2025	14:32	LB136851
	Cadmium	0.024	<0.15	U	0.30	P	08/15/2025	14:32	LB136851
	Calcium	11.1	<50	U	100	P	08/15/2025	14:32	LB136851
	Chromium	0.047	<0.25	U	0.50	P	08/15/2025	14:32	LB136851
	Cobalt	0.10	<0.75	U	1.50	P	08/15/2025	14:32	LB136851
	Copper	0.22	<0.5	U	1.00	P	08/15/2025	14:32	LB136851
	Iron	3.99	<2.5	U	5.00	P	08/15/2025	14:32	LB136851
	Lead	0.13	<0.3	U	0.60	P	08/15/2025	14:32	LB136851
	Magnesium	12.0	<50	U	100	P	08/15/2025	14:32	LB136851
	Manganese	0.14	<0.5	U	1.00	P	08/15/2025	14:32	LB136851
	Nickel	0.13	<1	U	2.00	P	08/15/2025	14:32	LB136851
	Potassium	27.7	<50	U	100	P	08/15/2025	14:32	LB136851
	Selenium	0.26	<0.5	U	1.00	P	08/15/2025	14:32	LB136851
	Silver	0.12	<0.25	U	0.50	P	08/15/2025	14:32	LB136851
	Sodium	17.8	<50	U	100	P	08/15/2025	14:32	LB136851
	Thallium	0.23	<1	U	2.00	P	08/15/2025	14:32	LB136851
	Vanadium	0.25	<1	U	2.00	P	08/15/2025	14:32	LB136851
	Zinc	0.23	<1	U	2.00	P	08/15/2025	14:32	LB136851

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>Kleinfelder</u>	SDG No.: <u>Q2795</u>
Contract: <u>POWE02</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	Aluminum	235000	255000	92	216000	294000	08/11/2025	11:48	LB136778
	Antimony	-6.34			-50	50	08/11/2025	11:48	LB136778
	Arsenic	8.68			-20	20	08/11/2025	11:48	LB136778
	Barium	0.44	6.0	7	-94	106	08/11/2025	11:48	LB136778
	Beryllium	1.45			-6	6	08/11/2025	11:48	LB136778
	Cadmium	0.96	1.0	96	-5	7	08/11/2025	11:48	LB136778
	Calcium	225000	245000	92	208000	282000	08/11/2025	11:48	LB136778
	Chromium	56.6	52.0	109	42	62	08/11/2025	11:48	LB136778
	Cobalt	1.57			-30	30	08/11/2025	11:48	LB136778
	Copper	5.59	2.0	280	-18	22	08/11/2025	11:48	LB136778
	Iron	97500	101000	96	85600	116500	08/11/2025	11:48	LB136778
	Lead	-5.21			-12	12	08/11/2025	11:48	LB136778
	Magnesium	236000	255000	92	216000	294000	08/11/2025	11:48	LB136778
	Manganese	8.29	7.0	118	-13	27	08/11/2025	11:48	LB136778
	Nickel	5.21	2.0	260	-38	42	08/11/2025	11:48	LB136778
	Potassium	167			0	0	08/11/2025	11:48	LB136778
	Selenium	2.51			-20	20	08/11/2025	11:48	LB136778
	Silver	1.58			-10	10	08/11/2025	11:48	LB136778
	Sodium	112			0	0	08/11/2025	11:48	LB136778
	Thallium	3.95			-40	40	08/11/2025	11:48	LB136778
	Vanadium	5.51			-40	40	08/11/2025	11:48	LB136778
	Zinc	2.77			-40	40	08/11/2025	11:48	LB136778
ICSAB01	Aluminum	242000	247000	98	209000	285000	08/11/2025	11:52	LB136778
	Antimony	582	618	94	525	711	08/11/2025	11:52	LB136778
	Arsenic	104	104	100	88.4	120	08/11/2025	11:52	LB136778
	Barium	485	537	90	437	637	08/11/2025	11:52	LB136778
	Beryllium	489	495	99	420	570	08/11/2025	11:52	LB136778
	Cadmium	933	972	96	826	1120	08/11/2025	11:52	LB136778
	Calcium	232000	235000	99	199000	271000	08/11/2025	11:52	LB136778
	Chromium	530	542	98	460	624	08/11/2025	11:52	LB136778
	Cobalt	472	476	99	404	548	08/11/2025	11:52	LB136778
	Copper	466	511	91	434	588	08/11/2025	11:52	LB136778
	Iron	96100	99300	97	84400	114500	08/11/2025	11:52	LB136778
	Lead	39.0	49.0	80	37	61	08/11/2025	11:52	LB136778
	Magnesium	243000	248000	98	210000	286000	08/11/2025	11:52	LB136778
	Manganese	481	507	95	430	584	08/11/2025	11:52	LB136778
	Nickel	939	954	98	810	1100	08/11/2025	11:52	LB136778
	Potassium	94.0			0	0	08/11/2025	11:52	LB136778
	Selenium	47.3	46.0	103	26	66	08/11/2025	11:52	LB136778
	Silver	209	201	104	170	232	08/11/2025	11:52	LB136778
	Sodium	74.9			0	0	08/11/2025	11:52	LB136778
	Thallium	104	108	96	68	148	08/11/2025	11:52	LB136778

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>Kleinfelder</u>	SDG No.: <u>Q2795</u>
Contract: <u>POWE02</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
ICSAB01	Vanadium	480	491	98	417	565	08/11/2025	11:52	LB136778
	Zinc	990	952	104	809	1095	08/11/2025	11:52	LB136778
ICSA01	Aluminum	247000	255000	97	216000	294000	08/15/2025	12:09	LB136851
	Antimony	-1.96			-50	50	08/15/2025	12:09	LB136851
	Arsenic	5.72			-20	20	08/15/2025	12:09	LB136851
	Barium	-2.11	6.0	35	-94	106	08/15/2025	12:09	LB136851
	Beryllium	1.33			-6	6	08/15/2025	12:09	LB136851
	Cadmium	3.29	1.0	329	-5	7	08/15/2025	12:09	LB136851
	Calcium	234000	245000	96	208000	282000	08/15/2025	12:09	LB136851
	Chromium	61.2	52.0	118	42	62	08/15/2025	12:09	LB136851
	Cobalt	1.72			-30	30	08/15/2025	12:09	LB136851
	Copper	-6.62	2.0	331	-18	22	08/15/2025	12:09	LB136851
	Iron	102000	101000	101	85600	116500	08/15/2025	12:09	LB136851
	Lead	-4.50			-12	12	08/15/2025	12:09	LB136851
	Magnesium	247000	255000	97	216000	294000	08/15/2025	12:09	LB136851
	Manganese	9.69	7.0	138	-13	27	08/15/2025	12:09	LB136851
	Nickel	6.38	2.0	319	-38	42	08/15/2025	12:09	LB136851
	Potassium	123			0	0	08/15/2025	12:09	LB136851
	Selenium	-2.54			-20	20	08/15/2025	12:09	LB136851
	Silver	2.16			-10	10	08/15/2025	12:09	LB136851
	Sodium	88.5			0	0	08/15/2025	12:09	LB136851
	Thallium	-5.83			-40	40	08/15/2025	12:09	LB136851
	Vanadium	4.25			-40	40	08/15/2025	12:09	LB136851
	Zinc	3.82			-40	40	08/15/2025	12:09	LB136851
ICSAB01	Aluminum	252000	247000	102	209000	285000	08/15/2025	12:13	LB136851
	Antimony	613	618	99	525	711	08/15/2025	12:13	LB136851
	Arsenic	111	104	107	88.4	120	08/15/2025	12:13	LB136851
	Barium	490	537	91	437	637	08/15/2025	12:13	LB136851
	Beryllium	485	495	98	420	570	08/15/2025	12:13	LB136851
	Cadmium	995	972	102	826	1120	08/15/2025	12:13	LB136851
	Calcium	237000	235000	101	199000	271000	08/15/2025	12:13	LB136851
	Chromium	559	542	103	460	624	08/15/2025	12:13	LB136851
	Cobalt	500	476	105	404	548	08/15/2025	12:13	LB136851
	Copper	483	511	94	434	588	08/15/2025	12:13	LB136851
	Iron	102000	99300	103	84400	114500	08/15/2025	12:13	LB136851
	Lead	42.4	49.0	86	37	61	08/15/2025	12:13	LB136851
	Magnesium	250000	248000	101	210000	286000	08/15/2025	12:13	LB136851
	Manganese	494	507	97	430	584	08/15/2025	12:13	LB136851
	Nickel	997	954	104	810	1100	08/15/2025	12:13	LB136851
	Potassium	-30.5			0	0	08/15/2025	12:13	LB136851
	Selenium	50.7	46.0	110	26	66	08/15/2025	12:13	LB136851
	Silver	219	201	109	170	232	08/15/2025	12:13	LB136851

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>Kleinfelder</u>	SDG No.: <u>Q2795</u>
Contract: <u>POWE02</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
ICSAB01	Sodium	26.3			0	0	08/15/2025	12:13	LB136851
	Thallium	94.9	108	88	68	148	08/15/2025	12:13	LB136851
	Vanadium	479	491	98	417	565	08/15/2025	12:13	LB136851
	Zinc	1060	952	111	809	1095	08/15/2025	12:13	LB136851



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Kleinfelder</u>	level: <u>low</u>	sdg no.: <u>Q2795</u>
contract: <u>POWE02</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q2793-01</u>	client id: <u>VNJ-231MS</u>
Percent Solids for Sample: 92.7	Spiked ID: Q2793-01MS	Percent Solids for Spike Sample: 92.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5770		5530		93.4	254		P
Antimony	mg/Kg	75 - 125	21.3		2.38	U	37.4	57	N	P
Arsenic	mg/Kg	75 - 125	31.4		3.57		37.4	74	N	P
Barium	mg/Kg	75 - 125	63.4		55.0		9.3	90		P
Beryllium	mg/Kg	75 - 125	6.57		0.47		9.3	66	N	P
Cadmium	mg/Kg	75 - 125	8.00		0.32		9.3	83		P
Calcium	mg/Kg	75 - 125	1390		1440		46.7	-110		P
Chromium	mg/Kg	75 - 125	21.1		10.1		18.7	59	N	P
Cobalt	mg/Kg	75 - 125	12.3		4.83		9.3	81		P
Copper	mg/Kg	75 - 125	26.6		16.6		14.0	71	N	P
Iron	mg/Kg	75 - 125	9580		10700		140	-806		P
Lead	mg/Kg	75 - 125	82.5		42.2		46.7	86		P
Magnesium	mg/Kg	75 - 125	1510		1480		93.4	42		P
Manganese	mg/Kg	75 - 125	280		302		9.3	-242		P
Nickel	mg/Kg	75 - 125	28.7		9.50		23.3	82		P
Potassium	mg/Kg	75 - 125	943		561		470	81		P
Selenium	mg/Kg	75 - 125	64.0		0.95	U	93.4	68	N	P
Silver	mg/Kg	75 - 125	2.91		0.37	J	3.5	72	N	P
Sodium	mg/Kg	75 - 125	317		235		140	58	N	P
Thallium	mg/Kg	75 - 125	81.7		1.90	U	93.4	88		P
Vanadium	mg/Kg	75 - 125	24.2		14.8		14.0	67	N	P
Zinc	mg/Kg	75 - 125	54.9		48.8		9.3	65		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** Q2795
contract: POWE02 **lab code:** ACE
matrix: Solid **sample id:** Q2793-01 **client id:** VNJ-231MSD

Percent Solids for Sample: 92.7 **Spiked ID:** Q2793-01MSD **Percent Solids for Spike Sample:** 92.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5350		5530		93.0	-202		P
Antimony	mg/Kg	75 - 125	20.9		2.38	U	37.2	56	N	P
Arsenic	mg/Kg	75 - 125	29.4		3.57		37.2	69	N	P
Barium	mg/Kg	75 - 125	61.3		55.0		9.3	67		P
Beryllium	mg/Kg	75 - 125	6.44		0.47		9.3	64	N	P
Cadmium	mg/Kg	75 - 125	7.86		0.32		9.3	81		P
Calcium	mg/Kg	75 - 125	1360		1440		46.5	-168		P
Chromium	mg/Kg	75 - 125	20.5		10.1		18.6	56	N	P
Cobalt	mg/Kg	75 - 125	12.1		4.83		9.3	78		P
Copper	mg/Kg	75 - 125	26.5		16.6		13.9	71	N	P
Iron	mg/Kg	75 - 125	8260		10700		140	-1746		P
Lead	mg/Kg	75 - 125	77.4		42.2		46.5	76		P
Magnesium	mg/Kg	75 - 125	1410		1480		93.0	-71		P
Manganese	mg/Kg	75 - 125	294		302		9.3	-84		P
Nickel	mg/Kg	75 - 125	27.7		9.50		23.2	78		P
Potassium	mg/Kg	75 - 125	852		561		460	63	N	P
Selenium	mg/Kg	75 - 125	62.7		0.95	U	93.0	67	N	P
Silver	mg/Kg	75 - 125	2.87		0.37	J	3.5	71	N	P
Sodium	mg/Kg	75 - 125	303		235		140	48	N	P
Thallium	mg/Kg	75 - 125	80.7		1.90	U	93.0	87		P
Vanadium	mg/Kg	75 - 125	21.6		14.8		13.9	49	N	P
Zinc	mg/Kg	75 - 125	56.1		48.8		9.3	79		P

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Kleinfelder</u>	level: <u>low</u>	sdg no.: <u>Q2795</u>
contract: <u>POWE02</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q2807-03</u>	client id: <u>COMP-6MS</u>
Percent Solids for Sample: 83.6	Spiked ID: Q2807-03MS	Percent Solids for Spike Sample: 83.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	2.00	D	2.26	D	0.32	-80		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Kleinfelder</u>	level:	<u>low</u>	sdg no.:	<u>Q2795</u>
contract:	<u>POWE02</u>			lab code:	<u>ACE</u>
matrix:	<u>Solid</u>	sample id:	<u>Q2807-03</u>	client id:	<u>COMP-6MSD</u>

Percent Solids for Sample:	83.6	Spiked ID:	Q2807-03MSD	Percent Solids for Spike Sample:	83.6
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Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	1.61	D	2.26	D	0.29	-222		CV

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: <u>Kleinfelder</u>	SDG No.: <u>Q2795</u>	
Contract: <u>POWE02</u>	Lab Code: <u>ACE</u>	
Matrix: <u>Solid</u>	Level: <u>LOW</u>	Client ID: <u>VNJ-231A</u>
Sample ID: <u>Q2793-01</u>	Spiked ID: <u>Q2793-01A</u>	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	26.4		2.38	U	38.0	70	N	P
Arsenic	mg/Kg	75 - 125	29.8		3.57		38.0	69	N	P
Beryllium	mg/Kg	75 - 125	6.64		0.47		9.50	65	N	P
Chromium	mg/Kg	75 - 125	21.9		10.1		19.0	62	N	P
Copper	mg/Kg	75 - 125	25.4		16.6		14.3	61	N	P
Potassium	mg/Kg	75 - 125	849		561		480	60	N	P
Selenium	mg/Kg	75 - 125	66.9		0.95	U	95.0	70	N	P
Silver	mg/Kg	75 - 125	2.86		0.37	J	3.60	69	N	P
Sodium	mg/Kg	75 - 125	298		235		140	45	N	P
Vanadium	mg/Kg	75 - 125	23.9		14.8		14.3	63	N	P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Kleinfelder</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2795</u>
Contract:	<u>POWE02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2793-01</u>	Client ID:	<u>VNJ-231DUP</u>
Percent Solids for Sample:	92.7	Duplicate ID	Q2793-01DUP	Percent Solids for Spike Sample:	92.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5530		5320		4		P
Antimony	mg/Kg	20	2.38	U	2.36	U			P
Arsenic	mg/Kg	20	3.57		3.19		11		P
Barium	mg/Kg	20	55.0		56.3		2		P
Beryllium	mg/Kg	20	0.47		0.46		4		P
Cadmium	mg/Kg	20	0.32		0.33		4		P
Calcium	mg/Kg	20	1440		1390		4		P
Chromium	mg/Kg	20	10.1		8.58		16		P
Cobalt	mg/Kg	20	4.83		4.65		4		P
Copper	mg/Kg	20	16.6		18.5		11		P
Iron	mg/Kg	20	10700		9500		12		P
Lead	mg/Kg	20	42.2		45.6		8		P
Magnesium	mg/Kg	20	1480		1430		3		P
Manganese	mg/Kg	20	302		303		0		P
Nickel	mg/Kg	20	9.50		9.22		3		P
Potassium	mg/Kg	20	561		552		2		P
Selenium	mg/Kg	20	0.95	U	0.94	U			P
Silver	mg/Kg	20	0.37	J	0.31	J	18		P
Sodium	mg/Kg	20	235		222		6		P
Thallium	mg/Kg	20	1.90	U	1.88	U			P
Vanadium	mg/Kg	20	14.8		13.5		9		P
Zinc	mg/Kg	20	48.8		47.6		2		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Kleinfelder</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2795</u>
Contract:	<u>POWE02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2793-01MS</u>	Client ID:	<u>VNJ-231MSD</u>
Percent Solids for Sample:	92.7	Duplicate ID	Q2793-01MSD	Percent Solids for Spike Sample:	92.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5770		5350		8		P
Antimony	mg/Kg	20	21.3		20.9		2		P
Arsenic	mg/Kg	20	31.4		29.4		7		P
Barium	mg/Kg	20	63.4		61.3		3		P
Beryllium	mg/Kg	20	6.57		6.44		2		P
Cadmium	mg/Kg	20	8.00		7.86		2		P
Calcium	mg/Kg	20	1390		1360		2		P
Chromium	mg/Kg	20	21.1		20.5		3		P
Cobalt	mg/Kg	20	12.3		12.1		2		P
Copper	mg/Kg	20	26.6		26.5		0		P
Iron	mg/Kg	20	9580		8260		15		P
Lead	mg/Kg	20	82.5		77.4		6		P
Magnesium	mg/Kg	20	1510		1410		7		P
Manganese	mg/Kg	20	280		294		5		P
Nickel	mg/Kg	20	28.7		27.7		4		P
Potassium	mg/Kg	20	943		852		10		P
Selenium	mg/Kg	20	64.0		62.7		2		P
Silver	mg/Kg	20	2.91		2.87		1		P
Sodium	mg/Kg	20	317		303		5		P
Thallium	mg/Kg	20	81.7		80.7		1		P
Vanadium	mg/Kg	20	24.2		21.6		11		P
Zinc	mg/Kg	20	54.9		56.1		2		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Kleinfelder</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2795</u>
Contract:	<u>POWE02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2807-03</u>	Client ID:	<u>COMP-6DUP</u>
Percent Solids for Sample:	83.6	Duplicate ID	Q2807-03DUP	Percent Solids for Spike Sample:	83.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	2.26	D	1.77	D	24	*	CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Kleinfelder</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2795</u>
Contract:	<u>POWE02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2807-03MS</u>	Client ID:	<u>COMP-6MSD</u>
Percent Solids for Sample:	83.6	Duplicate ID	Q2807-03MSD	Percent Solids for Spike Sample:	83.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	2.00	D	1.61	D	22	*	CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169179BS Mercury	mg/Kg	0.28	0.26		94	80 - 120	CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>Kleinfelder</u>	SDG No.:	<u>Q2795</u>
Contract:	<u>POWE02</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169181BS							
Aluminum	mg/Kg	100	98.7		99	80 - 120	P
Antimony	mg/Kg	40.0	42.0		105	80 - 120	P
Arsenic	mg/Kg	40.0	39.7		99	80 - 120	P
Barium	mg/Kg	10.0	9.19		92	80 - 120	P
Beryllium	mg/Kg	10.0	9.20		92	80 - 120	P
Cadmium	mg/Kg	10.0	9.07		91	80 - 120	P
Calcium	mg/Kg	50.0	56.8	J	114	80 - 120	P
Chromium	mg/Kg	20.0	20.3		102	80 - 120	P
Cobalt	mg/Kg	10.0	9.39		94	80 - 120	P
Copper	mg/Kg	15.0	15.1		101	80 - 120	P
Iron	mg/Kg	150	152		101	80 - 120	P
Lead	mg/Kg	50.0	45.5		91	80 - 120	P
Magnesium	mg/Kg	100	98.2	J	98	80 - 120	P
Manganese	mg/Kg	10.0	9.89		99	80 - 120	P
Nickel	mg/Kg	25.0	23.7		95	80 - 120	P
Potassium	mg/Kg	500	479		96	80 - 120	P
Selenium	mg/Kg	100	99.8		100	80 - 120	P
Silver	mg/Kg	3.8	3.63		96	80 - 120	P
Sodium	mg/Kg	150	142		95	80 - 120	P
Thallium	mg/Kg	100	88.3		88	80 - 120	P
Vanadium	mg/Kg	15.0	14.9		99	80 - 120	P
Zinc	mg/Kg	10.0	10.6		106	80 - 120	P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

VNJ-231L

Lab Name: Alliance **Contract:** POWE02
Lab Code: ACE **Lb No.:** lb136778 **Lab Sample ID :** Q2793-01L **SDG No.:** Q2795
Matrix (soil/water): Solid **Level (low/med):** LOW
Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ-ence		Q	M
Aluminum	5530		6090		10			P
Antimony	2.38	U	11.9	U				P
Arsenic	3.57		3.46	J	3			P
Barium	55.0		57.3		4			P
Beryllium	0.47		0.54	J	14			P
Cadmium	0.32		0.16	J	51			P
Calcium	1440		1610		12			P
Chromium	10.1		11.0		10			P
Cobalt	4.83		4.61	J	5			P
Copper	16.6		19.8		19			P
Iron	10700		11500		8			P
Lead	42.2		42.3		0			P
Magnesium	1480		1640		11			P
Manganese	302		334		11			P
Nickel	9.50		9.45	J	1			P
Potassium	561		604		8			P
Selenium	0.95	U	4.75	U				P
Silver	0.37	J	2.38	U	100.0			P
Sodium	235		236	J	0			P
Thallium	1.90	U	9.50	U				P
Vanadium	14.8		16.3		10			P
Zinc	48.8		53.1		9			P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

COMP-6L

Lab Name: Alliance **Contract:** POWE02
Lab Code: ACE **Lb No.:** lb136768 **Lab Sample ID :** Q2807-03L **SDG No.:** Q2795
Matrix (soil/water): Solid **Level (low/med):** LOW
Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ- ence	Q	M
Mercury	1.27	OR	0.42		67		CV



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

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
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL
PREPARATION &
ANALYICAL
SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB169179							
PB169179BL	PB169179BL	MB	SOLID	08/08/2025	0.50	35.0	100.00
PB169179BS	PB169179BS	LCS	SOLID	08/08/2025	0.50	35.0	100.00
Q2795-01	COMP-1	SAM	SOLID	08/08/2025	0.58	35.0	82.50
Q2795-02	COMP-2	SAM	SOLID	08/08/2025	0.59	35.0	80.80
Q2795-03	COMP-3	SAM	SOLID	08/08/2025	0.56	35.0	82.00
Q2807-03DUP	COMP-6DUP	DUP	SOLID	08/08/2025	0.57	35.0	83.60
Q2807-03MS	COMP-6MS	MS	SOLID	08/08/2025	0.53	35.0	83.60
Q2807-03MSD	COMP-6MSD	MSD	SOLID	08/08/2025	0.57	35.0	83.60

Metals

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SAMPLE PREPARATION SUMMARY

Client: Kleinfelder

SDG No.: Q2795

Contract: POWE02

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB169181							
PB169181BL	PB169181BL	MB	SOLID	08/08/2025	2.00	100.0	100.00
PB169181BS	PB169181BS	LCS	SOLID	08/08/2025	2.00	100.0	100.00
Q2793-01DUP	VNJ-231DUP	DUP	SOLID	08/08/2025	2.29	100.0	92.70
Q2793-01MS	VNJ-231MS	MS	SOLID	08/08/2025	2.31	100.0	92.70
Q2793-01MSD	VNJ-231MSD	MSD	SOLID	08/08/2025	2.32	100.0	92.70
Q2795-01	COMP-1	SAM	SOLID	08/08/2025	2.16	100.0	82.50
Q2795-02	COMP-2	SAM	SOLID	08/08/2025	2.27	100.0	80.80
Q2795-03	COMP-3	SAM	SOLID	08/08/2025	2.45	100.0	82.00

metals
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ANALYSIS RUN LOG

Client: Kleinfelder

Contract: POWE02

Lab code: ACE

Sdg no.: Q2795

Instrument id number: _____

Method: _____

Run number: LB136768

Start date: 08/11/2025

End date: 08/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0958	HG
S0.2	S0.2	1	1010	HG
S2.5	S2.5	1	1019	HG
S5	S5	1	1025	HG
S7.5	S7.5	1	1027	HG
S10	S10	1	1030	HG
ICV06	ICV06	1	1033	HG
ICB06	ICB06	1	1035	HG
CCV15	CCV15	1	1106	HG
CCB15	CCB15	1	1108	HG
CRA	CRA	1	1111	HG
PB169179BL	PB169179BL	1	1127	HG
PB169179BS	PB169179BS	1	1129	HG
CCV16	CCV16	1	1153	HG
CCB16	CCB16	1	1155	HG
CCV17	CCV17	1	1226	HG
CCB17	CCB17	1	1229	HG
Q2807-03L	COMP-6L	5	1241	HG
Q2795-01	COMP-1	10	1317	HG
Q2795-02	COMP-2	10	1320	HG
Q2795-03	COMP-3	10	1322	HG
CCV18	CCV18	1	1332	HG
CCB18	CCB18	1	1334	HG
Q2807-03DUP	COMP-6DUP	10	1341	HG
Q2807-03MSD	COMP-6MSD	10	1344	HG
Q2807-03MS	COMP-6MS	10	1354	HG
CCV19	CCV19	1	1356	HG
CCB19	CCB19	1	1359	HG

metals
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ANALYSIS RUN LOG

Client: Kleinfelder

Contract: POWE02

Lab code: ACE

Sdg no.: Q2795

Instrument id number: _____

Method: _____

Run number: LB136778

Start date: 08/11/2025

End date: 08/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1043	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1048	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1052	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1056	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1100	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1104	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1109	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1133	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1137	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1141	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1148	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1152	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1205	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1209	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1300	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1304	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1454	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1458	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2793-01DUP	VNJ-231DUP	1	1503	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2793-01L	VNJ-231L	5	1507	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2793-01MS	VNJ-231MS	1	1511	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2793-01MSD	VNJ-231MSD	1	1515	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2793-01A	VNJ-231A	1	1519	Ag,As,Be,Cr,Cu,K,Na,Sb,Se,V
Q2795-01	COMP-1	1	1523	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2795-02	COMP-2	1	1527	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2795-03	COMP-3	1	1531	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1602	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1606	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
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ANALYSIS RUN LOG

Client: Kleinfelder

Contract: POWE02

Lab code: ACE

Sdg no.: Q2795

Instrument id number: _____

Method: _____

Run number: LB136851

Start date: 08/15/2025

End date: 08/15/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1125	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1129	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1133	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1137	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1141	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1146	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1150	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1156	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1200	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1204	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1209	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1213	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1226	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1230	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1340	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1345	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169181BL	PB169181BL	1	1432	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169181BS	PB169181BS	1	1451	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1504	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1510	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1555	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1601	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1638	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1645	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn