

LAB CHRONICLE

OrderID:	Q1859	OrderDate:	4/22/2025 2:55:00 PM
Client:	Kleinfelder	Project:	Lincoln High School
Contact:	Mark Warchol	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1859-01	COMP-1	SOIL	Mercury	7471B	04/18/25	04/23/25	04/24/25	04/22/25
			Metals ICP-Group1	6010D		04/23/25	04/23/25	
Q1859-02	COMP-2	SOIL	Mercury	7471B	04/18/25	04/23/25	04/24/25	04/22/25
			Metals ICP-Group1	6010D		04/23/25	04/23/25	
Q1859-03	COMP-3	SOIL	Mercury	7471B	04/18/25	04/23/25	04/24/25	04/22/25
			Metals ICP-Group1	6010D		04/23/25	04/23/25	

Hit Summary Sheet
SW-846

SDG No.: Q1859 **Order ID:** Q1859
Client: Kleinfelder **Project ID:** Lincoln High School

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMP-1								
Q1859-01	COMP-1	SOIL	Aluminum	8290		0.97	5.79	mg/Kg
Q1859-01	COMP-1	SOIL	Arsenic	5.16		0.22	1.16	mg/Kg
Q1859-01	COMP-1	SOIL	Barium	49.4		0.85	5.79	mg/Kg
Q1859-01	COMP-1	SOIL	Beryllium	0.62		0.029	0.35	mg/Kg
Q1859-01	COMP-1	SOIL	Boron	7.79		0.93	5.79	mg/Kg
Q1859-01	COMP-1	SOIL	Chromium	16.7		0.054	0.58	mg/Kg
Q1859-01	COMP-1	SOIL	Cobalt	7.65		0.12	1.74	mg/Kg
Q1859-01	COMP-1	SOIL	Copper	15.1		0.26	1.16	mg/Kg
Q1859-01	COMP-1	SOIL	Iron	16000		4.62	5.79	mg/Kg
Q1859-01	COMP-1	SOIL	Lead	27.7		0.15	0.70	mg/Kg
Q1859-01	COMP-1	SOIL	Manganese	270		0.16	1.16	mg/Kg
Q1859-01	COMP-1	SOIL	Mercury	0.045		0.010	0.018	mg/Kg
Q1859-01	COMP-1	SOIL	Nickel	11.6		0.15	2.32	mg/Kg
Q1859-01	COMP-1	SOIL	Silver	0.41	J	0.14	0.58	mg/Kg
Q1859-01	COMP-1	SOIL	Vanadium	27.3		0.29	2.32	mg/Kg
Q1859-01	COMP-1	SOIL	Zinc	42.4		0.27	2.32	mg/Kg
Client ID : COMP-2								
Q1859-02	COMP-2	SOIL	Aluminum	6530		0.93	5.54	mg/Kg
Q1859-02	COMP-2	SOIL	Arsenic	4.17		0.21	1.11	mg/Kg
Q1859-02	COMP-2	SOIL	Barium	31.0		0.81	5.54	mg/Kg
Q1859-02	COMP-2	SOIL	Beryllium	0.57		0.028	0.33	mg/Kg
Q1859-02	COMP-2	SOIL	Boron	5.47	J	0.89	5.54	mg/Kg
Q1859-02	COMP-2	SOIL	Chromium	16.9		0.052	0.55	mg/Kg
Q1859-02	COMP-2	SOIL	Cobalt	7.31		0.11	1.66	mg/Kg
Q1859-02	COMP-2	SOIL	Copper	9.33		0.24	1.11	mg/Kg
Q1859-02	COMP-2	SOIL	Iron	14100		4.42	5.54	mg/Kg
Q1859-02	COMP-2	SOIL	Lead	6.36		0.14	0.67	mg/Kg
Q1859-02	COMP-2	SOIL	Manganese	154		0.16	1.11	mg/Kg
Q1859-02	COMP-2	SOIL	Mercury	0.0080	J	0.0080	0.015	mg/Kg
Q1859-02	COMP-2	SOIL	Nickel	10.1		0.14	2.22	mg/Kg
Q1859-02	COMP-2	SOIL	Silver	0.14	J	0.13	0.55	mg/Kg
Q1859-02	COMP-2	SOIL	Thallium	0.28	J	0.26	2.22	mg/Kg
Q1859-02	COMP-2	SOIL	Vanadium	22.2		0.28	2.22	mg/Kg
Q1859-02	COMP-2	SOIL	Zinc	20.5		0.26	2.22	mg/Kg
Client ID : COMP-3								
Q1859-03	COMP-3	SOIL	Aluminum	7970		0.88	5.24	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	Q1859	Order ID:	Q1859
Client:	Kleinfelder	Project ID:	Lincoln High School

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1859-03	COMP-3	SOIL	Arsenic	4.29		0.20	1.05	mg/Kg
Q1859-03	COMP-3	SOIL	Barium	33.9		0.77	5.24	mg/Kg
Q1859-03	COMP-3	SOIL	Beryllium	0.53		0.026	0.31	mg/Kg
Q1859-03	COMP-3	SOIL	Boron	8.37		0.84	5.24	mg/Kg
Q1859-03	COMP-3	SOIL	Chromium	16.5		0.049	0.52	mg/Kg
Q1859-03	COMP-3	SOIL	Cobalt	6.83		0.11	1.57	mg/Kg
Q1859-03	COMP-3	SOIL	Copper	9.64		0.23	1.05	mg/Kg
Q1859-03	COMP-3	SOIL	Iron	16300		4.18	5.24	mg/Kg
Q1859-03	COMP-3	SOIL	Lead	8.48		0.14	0.63	mg/Kg
Q1859-03	COMP-3	SOIL	Manganese	199		0.15	1.05	mg/Kg
Q1859-03	COMP-3	SOIL	Mercury	0.018		0.0080	0.015	mg/Kg
Q1859-03	COMP-3	SOIL	Nickel	10.9		0.14	2.10	mg/Kg
Q1859-03	COMP-3	SOIL	Silver	0.38	J	0.13	0.52	mg/Kg
Q1859-03	COMP-3	SOIL	Vanadium	27.0		0.26	2.10	mg/Kg
Q1859-03	COMP-3	SOIL	Zinc	21.9		0.24	2.10	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/18/25
Project:	Lincoln High School	Date Received:	04/22/25
Client Sample ID:	COMP-1	SDG No.:	Q1859
Lab Sample ID:	Q1859-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	79.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8290		1	0.97	5.79	mg/Kg	04/23/25 10:30	04/23/25 17:39	SW6010	SW3050
7440-36-0	Antimony	0.26	UN	1	0.26	2.89	mg/Kg	04/23/25 10:30	04/23/25 17:39	SW6010	SW3050
7440-38-2	Arsenic	5.16	N	1	0.22	1.16	mg/Kg	04/23/25 10:30	04/23/25 17:39	SW6010	SW3050
7440-39-3	Barium	49.4		1	0.85	5.79	mg/Kg	04/23/25 10:30	04/23/25 17:39	SW6010	SW3050
7440-41-7	Beryllium	0.62	N	1	0.029	0.35	mg/Kg	04/23/25 10:30	04/23/25 17:39	SW6010	SW3050
7440-42-8	Boron	7.79	N*	1	0.93	5.79	mg/Kg	04/23/25 10:30	04/23/25 17:39	SW6010	SW3050
7440-43-9	Cadmium	0.028	U*	1	0.028	0.35	mg/Kg	04/23/25 10:30	04/23/25 17:39	SW6010	SW3050
7440-47-3	Chromium	16.7	N	1	0.054	0.58	mg/Kg	04/23/25 10:30	04/23/25 17:39	SW6010	SW3050
7440-48-4	Cobalt	7.65		1	0.12	1.74	mg/Kg	04/23/25 10:30	04/23/25 17:39	SW6010	SW3050
7440-50-8	Copper	15.1		1	0.26	1.16	mg/Kg	04/23/25 10:30	04/23/25 17:39	SW6010	SW3050
7439-89-6	Iron	16000		1	4.62	5.79	mg/Kg	04/23/25 10:30	04/23/25 17:39	SW6010	SW3050
7439-92-1	Lead	27.7		1	0.15	0.70	mg/Kg	04/23/25 10:30	04/23/25 17:39	SW6010	SW3050
7439-96-5	Manganese	270		1	0.16	1.16	mg/Kg	04/23/25 10:30	04/23/25 17:39	SW6010	SW3050
7439-97-6	Mercury	0.045		1	0.010	0.018	mg/Kg	04/23/25 15:15	04/24/25 09:03	SW7471B	
7439-98-7	Molybdenum	0.94	UN	1	0.94	11.6	mg/Kg	04/23/25 10:30	04/23/25 17:39	SW6010	SW3050
7440-02-0	Nickel	11.6		1	0.15	2.32	mg/Kg	04/23/25 10:30	04/23/25 17:39	SW6010	SW3050
7782-49-2	Selenium	0.30	UN	1	0.30	1.16	mg/Kg	04/23/25 10:30	04/23/25 17:39	SW6010	SW3050
7440-22-4	Silver	0.41	JN	1	0.14	0.58	mg/Kg	04/23/25 10:30	04/23/25 17:39	SW6010	SW3050
7440-28-0	Thallium	0.27	U	1	0.27	2.32	mg/Kg	04/23/25 10:30	04/23/25 17:39	SW6010	SW3050
7440-62-2	Vanadium	27.3		1	0.29	2.32	mg/Kg	04/23/25 10:30	04/23/25 17:39	SW6010	SW3050
7440-66-6	Zinc	42.4	*	1	0.27	2.32	mg/Kg	04/23/25 10:30	04/23/25 17:39	SW6010	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
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:	04/18/25
Project:	Lincoln High School	Date Received:	04/22/25
Client Sample ID:	COMP-2	SDG No.:	Q1859
Lab Sample ID:	Q1859-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6530		1	0.93	5.54	mg/Kg	04/23/25 10:30	04/23/25 17:43	SW6010	SW3050
7440-36-0	Antimony	0.24	UN	1	0.24	2.77	mg/Kg	04/23/25 10:30	04/23/25 17:43	SW6010	SW3050
7440-38-2	Arsenic	4.17	N	1	0.21	1.11	mg/Kg	04/23/25 10:30	04/23/25 17:43	SW6010	SW3050
7440-39-3	Barium	31.0		1	0.81	5.54	mg/Kg	04/23/25 10:30	04/23/25 17:43	SW6010	SW3050
7440-41-7	Beryllium	0.57	N	1	0.028	0.33	mg/Kg	04/23/25 10:30	04/23/25 17:43	SW6010	SW3050
7440-42-8	Boron	5.47	JN*	1	0.89	5.54	mg/Kg	04/23/25 10:30	04/23/25 17:43	SW6010	SW3050
7440-43-9	Cadmium	0.027	U*	1	0.027	0.33	mg/Kg	04/23/25 10:30	04/23/25 17:43	SW6010	SW3050
7440-47-3	Chromium	16.9	N	1	0.052	0.55	mg/Kg	04/23/25 10:30	04/23/25 17:43	SW6010	SW3050
7440-48-4	Cobalt	7.31		1	0.11	1.66	mg/Kg	04/23/25 10:30	04/23/25 17:43	SW6010	SW3050
7440-50-8	Copper	9.33		1	0.24	1.11	mg/Kg	04/23/25 10:30	04/23/25 17:43	SW6010	SW3050
7439-89-6	Iron	14100		1	4.42	5.54	mg/Kg	04/23/25 10:30	04/23/25 17:43	SW6010	SW3050
7439-92-1	Lead	6.36		1	0.14	0.67	mg/Kg	04/23/25 10:30	04/23/25 17:43	SW6010	SW3050
7439-96-5	Manganese	154		1	0.16	1.11	mg/Kg	04/23/25 10:30	04/23/25 17:43	SW6010	SW3050
7439-97-6	Mercury	0.0080	J	1	0.0080	0.015	mg/Kg	04/23/25 15:15	04/24/25 09:06	SW7471B	
7439-98-7	Molybdenum	0.90	UN	1	0.90	11.1	mg/Kg	04/23/25 10:30	04/23/25 17:43	SW6010	SW3050
7440-02-0	Nickel	10.1		1	0.14	2.22	mg/Kg	04/23/25 10:30	04/23/25 17:43	SW6010	SW3050
7782-49-2	Selenium	0.29	UN	1	0.29	1.11	mg/Kg	04/23/25 10:30	04/23/25 17:43	SW6010	SW3050
7440-22-4	Silver	0.14	JN	1	0.13	0.55	mg/Kg	04/23/25 10:30	04/23/25 17:43	SW6010	SW3050
7440-28-0	Thallium	0.28	J	1	0.26	2.22	mg/Kg	04/23/25 10:30	04/23/25 17:43	SW6010	SW3050
7440-62-2	Vanadium	22.2		1	0.28	2.22	mg/Kg	04/23/25 10:30	04/23/25 17:43	SW6010	SW3050
7440-66-6	Zinc	20.5	*	1	0.26	2.22	mg/Kg	04/23/25 10:30	04/23/25 17:43	SW6010	SW3050

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

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 LOQ = Limit of Quantitation
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 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/18/25
Project:	Lincoln High School	Date Received:	04/22/25
Client Sample ID:	COMP-3	SDG No.:	Q1859
Lab Sample ID:	Q1859-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7970		1	0.88	5.24	mg/Kg	04/23/25 10:30	04/23/25 17:47	SW6010	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.62	mg/Kg	04/23/25 10:30	04/23/25 17:47	SW6010	SW3050
7440-38-2	Arsenic	4.29	N	1	0.20	1.05	mg/Kg	04/23/25 10:30	04/23/25 17:47	SW6010	SW3050
7440-39-3	Barium	33.9		1	0.77	5.24	mg/Kg	04/23/25 10:30	04/23/25 17:47	SW6010	SW3050
7440-41-7	Beryllium	0.53	N	1	0.026	0.31	mg/Kg	04/23/25 10:30	04/23/25 17:47	SW6010	SW3050
7440-42-8	Boron	8.37	N*	1	0.84	5.24	mg/Kg	04/23/25 10:30	04/23/25 17:47	SW6010	SW3050
7440-43-9	Cadmium	0.025	U*	1	0.025	0.31	mg/Kg	04/23/25 10:30	04/23/25 17:47	SW6010	SW3050
7440-47-3	Chromium	16.5	N	1	0.049	0.52	mg/Kg	04/23/25 10:30	04/23/25 17:47	SW6010	SW3050
7440-48-4	Cobalt	6.83		1	0.11	1.57	mg/Kg	04/23/25 10:30	04/23/25 17:47	SW6010	SW3050
7440-50-8	Copper	9.64		1	0.23	1.05	mg/Kg	04/23/25 10:30	04/23/25 17:47	SW6010	SW3050
7439-89-6	Iron	16300		1	4.18	5.24	mg/Kg	04/23/25 10:30	04/23/25 17:47	SW6010	SW3050
7439-92-1	Lead	8.48		1	0.14	0.63	mg/Kg	04/23/25 10:30	04/23/25 17:47	SW6010	SW3050
7439-96-5	Manganese	199		1	0.15	1.05	mg/Kg	04/23/25 10:30	04/23/25 17:47	SW6010	SW3050
7439-97-6	Mercury	0.018		1	0.0080	0.015	mg/Kg	04/23/25 15:15	04/24/25 09:13	SW7471B	
7439-98-7	Molybdenum	0.85	UN	1	0.85	10.5	mg/Kg	04/23/25 10:30	04/23/25 17:47	SW6010	SW3050
7440-02-0	Nickel	10.9		1	0.14	2.10	mg/Kg	04/23/25 10:30	04/23/25 17:47	SW6010	SW3050
7782-49-2	Selenium	0.27	UN	1	0.27	1.05	mg/Kg	04/23/25 10:30	04/23/25 17:47	SW6010	SW3050
7440-22-4	Silver	0.38	JN	1	0.13	0.52	mg/Kg	04/23/25 10:30	04/23/25 17:47	SW6010	SW3050
7440-28-0	Thallium	0.24	U	1	0.24	2.10	mg/Kg	04/23/25 10:30	04/23/25 17:47	SW6010	SW3050
7440-62-2	Vanadium	27.0		1	0.26	2.10	mg/Kg	04/23/25 10:30	04/23/25 17:47	SW6010	SW3050
7440-66-6	Zinc	21.9	*	1	0.24	2.10	mg/Kg	04/23/25 10:30	04/23/25 17:47	SW6010	SW3050

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

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 LOQ = Limit of Quantitation
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 N =Spiked sample recovery not within control limits



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** Q1859
Contract: POWE02 **Lab Code:** CHEM **Case No.:** Q1859 **SAS No.:** Q1859
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
ICV99	Mercury	3.91	4.0	98	90 - 110	CV	04/24/2025	08:03	LB135540

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** Q1859
Contract: POWE02 **Lab Code:** CHEM **Case No.:** Q1859 **SAS No.:** Q1859
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
CCV17	Mercury	5.04	5.0	101	90 - 110	CV	04/24/2025	08:07	LB135540
CCV18	Mercury	5.02	5.0	100	90 - 110	CV	04/24/2025	08:41	LB135540
CCV19	Mercury	5.06	5.0	101	90 - 110	CV	04/24/2025	09:08	LB135540
CCV20	Mercury	5.05	5.0	101	90 - 110	CV	04/24/2025	09:19	LB135540

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder SDG No.: Q1859
Contract: POWE02 Lab Code: CHEM Case No.: Q1859 SAS No.: Q1859
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	2400	2500	96	90 - 110	P	04/23/2025	15:29	LB135538
	Antimony	974	1000	97	90 - 110	P	04/23/2025	15:29	LB135538
	Arsenic	990	1000	99	90 - 110	P	04/23/2025	15:29	LB135538
	Barium	553	520	106	90 - 110	P	04/23/2025	15:29	LB135538
	Beryllium	533	510	105	90 - 110	P	04/23/2025	15:29	LB135538
	Boron	2470	2500	99	90 - 110	P	04/23/2025	15:29	LB135538
	Cadmium	499	510	98	90 - 110	P	04/23/2025	15:29	LB135538
	Chromium	529	520	102	90 - 110	P	04/23/2025	15:29	LB135538
	Cobalt	539	520	104	90 - 110	P	04/23/2025	15:29	LB135538
	Copper	489	510	96	90 - 110	P	04/23/2025	15:29	LB135538
	Iron	10500	10000	105	90 - 110	P	04/23/2025	15:29	LB135538
	Lead	972	1000	97	90 - 110	P	04/23/2025	15:29	LB135538
	Manganese	517	520	100	90 - 110	P	04/23/2025	15:29	LB135538
	Molybdenum	2600	2500	104	90 - 110	P	04/23/2025	15:29	LB135538
	Nickel	542	530	102	90 - 110	P	04/23/2025	15:29	LB135538
	Selenium	1020	1000	102	90 - 110	P	04/23/2025	15:29	LB135538
	Silver	242	250	97	90 - 110	P	04/23/2025	15:29	LB135538
	Thallium	1010	1000	102	90 - 110	P	04/23/2025	15:29	LB135538
	Vanadium	513	500	102	90 - 110	P	04/23/2025	15:29	LB135538
	Zinc	981	1000	98	90 - 110	P	04/23/2025	15:29	LB135538

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder SDG No.: Q1859
Contract: POWE02 Lab Code: CHEM Case No.: Q1859 SAS No.: Q1859
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	98.1	100	98	80 - 120	P	04/23/2025	15:44	LB135538
	Antimony	53.8	50.0	108	80 - 120	P	04/23/2025	15:44	LB135538
	Arsenic	22.1	20.0	110	80 - 120	P	04/23/2025	15:44	LB135538
	Barium	91.7	100	92	80 - 120	P	04/23/2025	15:44	LB135538
	Beryllium	6.01	6.0	100	80 - 120	P	04/23/2025	15:44	LB135538
	Boron	104	100	104	80 - 120	P	04/23/2025	15:44	LB135538
	Cadmium	6.11	6.0	102	80 - 120	P	04/23/2025	15:44	LB135538
	Chromium	9.47	10.0	95	80 - 120	P	04/23/2025	15:44	LB135538
	Cobalt	29.3	30.0	98	80 - 120	P	04/23/2025	15:44	LB135538
	Copper	22.3	20.0	111	80 - 120	P	04/23/2025	15:44	LB135538
	Iron	106	100	106	80 - 120	P	04/23/2025	15:44	LB135538
	Lead	12.5	12.0	104	80 - 120	P	04/23/2025	15:44	LB135538
	Manganese	20.1	20.0	100	80 - 120	P	04/23/2025	15:44	LB135538
	Molybdenum	206	200	103	80 - 120	P	04/23/2025	15:44	LB135538
	Nickel	39.4	40.0	98	80 - 120	P	04/23/2025	15:44	LB135538
	Selenium	18.5	20.0	93	80 - 120	P	04/23/2025	15:44	LB135538
	Silver	10.2	10.0	102	80 - 120	P	04/23/2025	15:44	LB135538
	Thallium	45.6	40.0	114	80 - 120	P	04/23/2025	15:44	LB135538
	Vanadium	39.5	40.0	99	80 - 120	P	04/23/2025	15:44	LB135538
	Zinc	43.4	40.0	108	80 - 120	P	04/23/2025	15:44	LB135538

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder SDG No.: Q1859
Contract: POWE02 Lab Code: CHEM Case No.: Q1859 SAS No.: Q1859
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	9730	10000	97	90 - 110	P	04/23/2025	16:15	LB135538
	Antimony	5030	5000	101	90 - 110	P	04/23/2025	16:15	LB135538
	Arsenic	5030	5000	101	90 - 110	P	04/23/2025	16:15	LB135538
	Barium	9810	10000	98	90 - 110	P	04/23/2025	16:15	LB135538
	Beryllium	243	250	97	90 - 110	P	04/23/2025	16:15	LB135538
	Boron	4820	5000	96	90 - 110	P	04/23/2025	16:15	LB135538
	Cadmium	2470	2500	99	90 - 110	P	04/23/2025	16:15	LB135538
	Chromium	1000	1000	100	90 - 110	P	04/23/2025	16:15	LB135538
	Cobalt	2470	2500	99	90 - 110	P	04/23/2025	16:15	LB135538
	Copper	1260	1250	100	90 - 110	P	04/23/2025	16:15	LB135538
	Iron	5160	5000	103	90 - 110	P	04/23/2025	16:15	LB135538
	Lead	4970	5000	100	90 - 110	P	04/23/2025	16:15	LB135538
	Manganese	2420	2500	97	90 - 110	P	04/23/2025	16:15	LB135538
	Molybdenum	4990	5000	100	90 - 110	P	04/23/2025	16:15	LB135538
	Nickel	2480	2500	99	90 - 110	P	04/23/2025	16:15	LB135538
	Selenium	5080	5000	102	90 - 110	P	04/23/2025	16:15	LB135538
	Silver	1260	1250	101	90 - 110	P	04/23/2025	16:15	LB135538
	Thallium	4990	5000	100	90 - 110	P	04/23/2025	16:15	LB135538
	Vanadium	2430	2500	97	90 - 110	P	04/23/2025	16:15	LB135538
	Zinc	2520	2500	101	90 - 110	P	04/23/2025	16:15	LB135538
CCV02	Aluminum	9890	10000	99	90 - 110	P	04/23/2025	17:05	LB135538
	Antimony	4990	5000	100	90 - 110	P	04/23/2025	17:05	LB135538
	Arsenic	4950	5000	99	90 - 110	P	04/23/2025	17:05	LB135538
	Barium	9750	10000	98	90 - 110	P	04/23/2025	17:05	LB135538
	Beryllium	251	250	100	90 - 110	P	04/23/2025	17:05	LB135538
	Boron	5000	5000	100	90 - 110	P	04/23/2025	17:05	LB135538
	Cadmium	2460	2500	98	90 - 110	P	04/23/2025	17:05	LB135538
	Chromium	1010	1000	101	90 - 110	P	04/23/2025	17:05	LB135538
	Cobalt	2460	2500	99	90 - 110	P	04/23/2025	17:05	LB135538
	Copper	1250	1250	100	90 - 110	P	04/23/2025	17:05	LB135538
	Iron	4950	5000	99	90 - 110	P	04/23/2025	17:05	LB135538
	Lead	4930	5000	99	90 - 110	P	04/23/2025	17:05	LB135538
	Manganese	2430	2500	97	90 - 110	P	04/23/2025	17:05	LB135538
	Molybdenum	5010	5000	100	90 - 110	P	04/23/2025	17:05	LB135538



- 2a -

Client:	<u>Kleinfelder</u>	SDG No.:	<u>Q1859</u>				
Contract:	<u>POWE02</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1859</u>	SAS No.:	<u>Q1859</u>
Initial Calibration Source:	<u>EPA</u>						
Continuing Calibration Source:	Inorganic Ventures						

Sample ID	Analyte	Result	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number	
		ug/L								
CCV02	Nickel	2470	2500	99	90 - 110	P	04/23/2025	17:05	LB135538	
	Selenium	4970	5000	100	90 - 110	P	04/23/2025	17:05	LB135538	
	Silver	1260	1250	100	90 - 110	P	04/23/2025	17:05	LB135538	
	Thallium	4890	5000	98	90 - 110	P	04/23/2025	17:05	LB135538	
	Vanadium	2460	2500	98	90 - 110	P	04/23/2025	17:05	LB135538	
	Zinc	2510	2500	100	90 - 110	P	04/23/2025	17:05	LB135538	
CCV03	Aluminum	9820	10000	98	90 - 110	P	04/23/2025	17:55	LB135538	
	Antimony	5030	5000	101	90 - 110	P	04/23/2025	17:55	LB135538	
	Arsenic	5030	5000	101	90 - 110	P	04/23/2025	17:55	LB135538	
	Barium	9910	10000	99	90 - 110	P	04/23/2025	17:55	LB135538	
	Beryllium	248	250	99	90 - 110	P	04/23/2025	17:55	LB135538	
	Boron	4910	5000	98	90 - 110	P	04/23/2025	17:55	LB135538	
	Cadmium	2510	2500	100	90 - 110	P	04/23/2025	17:55	LB135538	
	Chromium	1020	1000	102	90 - 110	P	04/23/2025	17:55	LB135538	
	Cobalt	2500	2500	100	90 - 110	P	04/23/2025	17:55	LB135538	
	Copper	1260	1250	101	90 - 110	P	04/23/2025	17:55	LB135538	
	Iron	5200	5000	104	90 - 110	P	04/23/2025	17:55	LB135538	
	Lead	5020	5000	100	90 - 110	P	04/23/2025	17:55	LB135538	
	Manganese	2450	2500	98	90 - 110	P	04/23/2025	17:55	LB135538	
	Molybdenum	5030	5000	101	90 - 110	P	04/23/2025	17:55	LB135538	
	Nickel	2500	2500	100	90 - 110	P	04/23/2025	17:55	LB135538	
	Selenium	5030	5000	101	90 - 110	P	04/23/2025	17:55	LB135538	
	Silver	1280	1250	102	90 - 110	P	04/23/2025	17:55	LB135538	
	Thallium	4940	5000	99	90 - 110	P	04/23/2025	17:55	LB135538	
	Vanadium	2480	2500	99	90 - 110	P	04/23/2025	17:55	LB135538	
	Zinc	2550	2500	102	90 - 110	P	04/23/2025	17:55	LB135538	
	CCV04	Aluminum	9860	10000	99	90 - 110	P	04/23/2025	18:38	LB135538
		Antimony	4990	5000	100	90 - 110	P	04/23/2025	18:38	LB135538
		Arsenic	4980	5000	100	90 - 110	P	04/23/2025	18:38	LB135538
		Barium	9730	10000	97	90 - 110	P	04/23/2025	18:38	LB135538
Beryllium		251	250	100	90 - 110	P	04/23/2025	18:38	LB135538	
Boron		4950	5000	99	90 - 110	P	04/23/2025	18:38	LB135538	
Cadmium		2480	2500	99	90 - 110	P	04/23/2025	18:38	LB135538	
Chromium		1010	1000	101	90 - 110	P	04/23/2025	18:38	LB135538	

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** Q1859
Contract: POWE02 **Lab Code:** CHEM **Case No.:** Q1859 **SAS No.:** Q1859
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	Cobalt	2470	2500	99	90 - 110	P	04/23/2025	18:38	LB135538
	Copper	1250	1250	100	90 - 110	P	04/23/2025	18:38	LB135538
	Iron	5070	5000	102	90 - 110	P	04/23/2025	18:38	LB135538
	Lead	4960	5000	99	90 - 110	P	04/23/2025	18:38	LB135538
	Manganese	2430	2500	97	90 - 110	P	04/23/2025	18:38	LB135538
	Molybdenum	4990	5000	100	90 - 110	P	04/23/2025	18:38	LB135538
	Nickel	2480	2500	99	90 - 110	P	04/23/2025	18:38	LB135538
	Selenium	5000	5000	100	90 - 110	P	04/23/2025	18:38	LB135538
	Silver	1260	1250	101	90 - 110	P	04/23/2025	18:38	LB135538
	Thallium	4890	5000	98	90 - 110	P	04/23/2025	18:38	LB135538
	Vanadium	2470	2500	99	90 - 110	P	04/23/2025	18:38	LB135538
	Zinc	2520	2500	101	90 - 110	P	04/23/2025	18:38	LB135538



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

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Kleinfelder **SDG No.:** Q1859
Contract: POWE02 **Lab Code:** CHEM **Case No.:** Q1859 **SAS No.:** Q1859
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Aluminum	95.1	100	95	40 - 160	P	04/23/2025	15:53	LB135538
	Antimony	51.3	50.0	102	40 - 160	P	04/23/2025	15:53	LB135538
	Arsenic	20.4	20.0	102	40 - 160	P	04/23/2025	15:53	LB135538
	Barium	88.7	100	89	40 - 160	P	04/23/2025	15:53	LB135538
	Beryllium	5.75	6.0	96	40 - 160	P	04/23/2025	15:53	LB135538
	Boron	96.5	100	96	40 - 160	P	04/23/2025	15:53	LB135538
	Cadmium	6.07	6.0	101	40 - 160	P	04/23/2025	15:53	LB135538
	Chromium	9.31	10.0	93	40 - 160	P	04/23/2025	15:53	LB135538
	Cobalt	28.9	30.0	96	40 - 160	P	04/23/2025	15:53	LB135538
	Copper	22.7	20.0	113	40 - 160	P	04/23/2025	15:53	LB135538
	Iron	92.0	100	92	40 - 160	P	04/23/2025	15:53	LB135538
	Lead	10.1	12.0	84	40 - 160	P	04/23/2025	15:53	LB135538
	Manganese	20.6	20.0	103	40 - 160	P	04/23/2025	15:53	LB135538
	Molybdenum	207	200	103	40 - 160	P	04/23/2025	15:53	LB135538
	Nickel	39.4	40.0	98	40 - 160	P	04/23/2025	15:53	LB135538
	Selenium	18.2	20.0	91	40 - 160	P	04/23/2025	15:53	LB135538
	Silver	9.37	10.0	94	40 - 160	P	04/23/2025	15:53	LB135538
	Thallium	41.5	40.0	104	40 - 160	P	04/23/2025	15:53	LB135538
	Vanadium	39.3	40.0	98	40 - 160	P	04/23/2025	15:53	LB135538
	Zinc	42.0	40.0	105	40 - 160	P	04/23/2025	15:53	LB135538
CRA	Mercury	0.24	0.2	118	40 - 160	CV	04/24/2025	08:12	LB135540



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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	<u>Kleinfelder</u>				SDG No.:	<u>Q1859</u>			
Contract:	<u>POWE02</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1859</u>	SAS No.:	<u>Q1859</u>		
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB99	Mercury	0.20	+/-0.20	U	0.20	CV	04/24/2025	08:05	LB135540

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** Q1859
Contract: POWE02 **Lab Code:** CHEM **Case No.:** Q1859 **SAS No.:** Q1859

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB17	Mercury	0.20	+/-0.20	U	0.20	CV	04/24/2025	08:10	LB135540
CCB18	Mercury	0.20	+/-0.20	U	0.20	CV	04/24/2025	08:43	LB135540
CCB19	Mercury	0.20	+/-0.20	U	0.20	CV	04/24/2025	09:10	LB135540
CCB20	Mercury	0.20	+/-0.20	U	0.20	CV	04/24/2025	09:22	LB135540

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** Q1859
Contract: POWE02 **Lab Code:** CHEM **Case No.:** Q1859 **SAS No.:** Q1859

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	04/23/2025	15:49	LB135538
	Antimony	50.0	+/-50.0	U	50.0	P	04/23/2025	15:49	LB135538
	Arsenic	20.0	+/-20.0	U	20.0	P	04/23/2025	15:49	LB135538
	Barium	100	+/-100	U	100	P	04/23/2025	15:49	LB135538
	Beryllium	6.00	+/-6.00	U	6.00	P	04/23/2025	15:49	LB135538
	Boron	100	+/-100	U	100	P	04/23/2025	15:49	LB135538
	Cadmium	6.00	+/-6.00	U	6.00	P	04/23/2025	15:49	LB135538
	Chromium	10.0	+/-10.0	U	10.0	P	04/23/2025	15:49	LB135538
	Cobalt	30.0	+/-30.0	U	30.0	P	04/23/2025	15:49	LB135538
	Copper	20.0	+/-20.0	U	20.0	P	04/23/2025	15:49	LB135538
	Iron	100	+/-100	U	100	P	04/23/2025	15:49	LB135538
	Lead	12.0	+/-12.0	U	12.0	P	04/23/2025	15:49	LB135538
	Manganese	20.0	+/-20.0	U	20.0	P	04/23/2025	15:49	LB135538
	Molybdenum	200	+/-200	U	200	P	04/23/2025	15:49	LB135538
	Nickel	40.0	+/-40.0	U	40.0	P	04/23/2025	15:49	LB135538
	Selenium	20.0	+/-20.0	U	20.0	P	04/23/2025	15:49	LB135538
	Silver	10.0	+/-10.0	U	10.0	P	04/23/2025	15:49	LB135538
	Thallium	40.0	+/-40.0	U	40.0	P	04/23/2025	15:49	LB135538
	Vanadium	40.0	+/-40.0	U	40.0	P	04/23/2025	15:49	LB135538
	Zinc	40.0	+/-40.0	U	40.0	P	04/23/2025	15:49	LB135538

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Kleinfelder</u>		SDG No.: <u>Q1859</u>							
Contract: <u>POWE02</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q1859</u>	SAS No.: <u>Q1859</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	04/23/2025	16:19	LB135538
	Antimony	50.0	+/-50.0	U	50.0	P	04/23/2025	16:19	LB135538
	Arsenic	20.0	+/-20.0	U	20.0	P	04/23/2025	16:19	LB135538
	Barium	100	+/-100	U	100	P	04/23/2025	16:19	LB135538
	Beryllium	6.00	+/-6.00	U	6.00	P	04/23/2025	16:19	LB135538
	Boron	100	+/-100	U	100	P	04/23/2025	16:19	LB135538
	Cadmium	6.00	+/-6.00	U	6.00	P	04/23/2025	16:19	LB135538
	Chromium	10.0	+/-10.0	U	10.0	P	04/23/2025	16:19	LB135538
	Cobalt	30.0	+/-30.0	U	30.0	P	04/23/2025	16:19	LB135538
	Copper	20.0	+/-20.0	U	20.0	P	04/23/2025	16:19	LB135538
	Iron	100	+/-100	U	100	P	04/23/2025	16:19	LB135538
	Lead	12.0	+/-12.0	U	12.0	P	04/23/2025	16:19	LB135538
	Manganese	20.0	+/-20.0	U	20.0	P	04/23/2025	16:19	LB135538
	Molybdenum	200	+/-200	U	200	P	04/23/2025	16:19	LB135538
	Nickel	40.0	+/-40.0	U	40.0	P	04/23/2025	16:19	LB135538
	Selenium	20.0	+/-20.0	U	20.0	P	04/23/2025	16:19	LB135538
	Silver	10.0	+/-10.0	U	10.0	P	04/23/2025	16:19	LB135538
	Thallium	40.0	+/-40.0	U	40.0	P	04/23/2025	16:19	LB135538
	Vanadium	40.0	+/-40.0	U	40.0	P	04/23/2025	16:19	LB135538
	Zinc	40.0	+/-40.0	U	40.0	P	04/23/2025	16:19	LB135538
CCB02	Aluminum	100	+/-100	U	100	P	04/23/2025	17:09	LB135538
	Antimony	50.0	+/-50.0	U	50.0	P	04/23/2025	17:09	LB135538
	Arsenic	20.0	+/-20.0	U	20.0	P	04/23/2025	17:09	LB135538
	Barium	100	+/-100	U	100	P	04/23/2025	17:09	LB135538
	Beryllium	6.00	+/-6.00	U	6.00	P	04/23/2025	17:09	LB135538
	Boron	100	+/-100	U	100	P	04/23/2025	17:09	LB135538
	Cadmium	6.00	+/-6.00	U	6.00	P	04/23/2025	17:09	LB135538
	Chromium	10.0	+/-10.0	U	10.0	P	04/23/2025	17:09	LB135538
	Cobalt	30.0	+/-30.0	U	30.0	P	04/23/2025	17:09	LB135538
	Copper	20.0	+/-20.0	U	20.0	P	04/23/2025	17:09	LB135538
	Iron	100	+/-100	U	100	P	04/23/2025	17:09	LB135538
	Lead	12.0	+/-12.0	U	12.0	P	04/23/2025	17:09	LB135538
	Manganese	20.0	+/-20.0	U	20.0	P	04/23/2025	17:09	LB135538
	Molybdenum	200	+/-200	U	200	P	04/23/2025	17:09	LB135538
	Nickel	40.0	+/-40.0	U	40.0	P	04/23/2025	17:09	LB135538
	Selenium	20.0	+/-20.0	U	20.0	P	04/23/2025	17:09	LB135538
	Silver	10.0	+/-10.0	U	10.0	P	04/23/2025	17:09	LB135538
	Thallium	40.0	+/-40.0	U	40.0	P	04/23/2025	17:09	LB135538
	Vanadium	40.0	+/-40.0	U	40.0	P	04/23/2025	17:09	LB135538

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Kleinfelder</u>		SDG No.: <u>Q1859</u>							
Contract: <u>POWE02</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q1859</u>	SAS No.: <u>Q1859</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Zinc	40.0	+/-40.0	U	40.0	P	04/23/2025	17:09	LB135538
CCB03	Aluminum	100	+/-100	U	100	P	04/23/2025	17:59	LB135538
	Antimony	50.0	+/-50.0	U	50.0	P	04/23/2025	17:59	LB135538
	Arsenic	20.0	+/-20.0	U	20.0	P	04/23/2025	17:59	LB135538
	Barium	100	+/-100	U	100	P	04/23/2025	17:59	LB135538
	Beryllium	6.00	+/-6.00	U	6.00	P	04/23/2025	17:59	LB135538
	Boron	100	+/-100	U	100	P	04/23/2025	17:59	LB135538
	Cadmium	6.00	+/-6.00	U	6.00	P	04/23/2025	17:59	LB135538
	Chromium	10.0	+/-10.0	U	10.0	P	04/23/2025	17:59	LB135538
	Cobalt	30.0	+/-30.0	U	30.0	P	04/23/2025	17:59	LB135538
	Copper	20.0	+/-20.0	U	20.0	P	04/23/2025	17:59	LB135538
	Iron	100	+/-100	U	100	P	04/23/2025	17:59	LB135538
	Lead	12.0	+/-12.0	U	12.0	P	04/23/2025	17:59	LB135538
	Manganese	20.0	+/-20.0	U	20.0	P	04/23/2025	17:59	LB135538
	Molybdenum	200	+/-200	U	200	P	04/23/2025	17:59	LB135538
	Nickel	40.0	+/-40.0	U	40.0	P	04/23/2025	17:59	LB135538
	Selenium	20.0	+/-20.0	U	20.0	P	04/23/2025	17:59	LB135538
	Silver	10.0	+/-10.0	U	10.0	P	04/23/2025	17:59	LB135538
	Thallium	40.0	+/-40.0	U	40.0	P	04/23/2025	17:59	LB135538
	Vanadium	40.0	+/-40.0	U	40.0	P	04/23/2025	17:59	LB135538
	Zinc	40.0	+/-40.0	U	40.0	P	04/23/2025	17:59	LB135538
CCB04	Aluminum	100	+/-100	U	100	P	04/23/2025	18:42	LB135538
	Antimony	50.0	+/-50.0	U	50.0	P	04/23/2025	18:42	LB135538
	Arsenic	20.0	+/-20.0	U	20.0	P	04/23/2025	18:42	LB135538
	Barium	100	+/-100	U	100	P	04/23/2025	18:42	LB135538
	Beryllium	6.00	+/-6.00	U	6.00	P	04/23/2025	18:42	LB135538
	Boron	100	+/-100	U	100	P	04/23/2025	18:42	LB135538
	Cadmium	6.00	+/-6.00	U	6.00	P	04/23/2025	18:42	LB135538
	Chromium	10.0	+/-10.0	U	10.0	P	04/23/2025	18:42	LB135538
	Cobalt	30.0	+/-30.0	U	30.0	P	04/23/2025	18:42	LB135538
	Copper	20.0	+/-20.0	U	20.0	P	04/23/2025	18:42	LB135538
	Iron	100	+/-100	U	100	P	04/23/2025	18:42	LB135538
	Lead	12.0	+/-12.0	U	12.0	P	04/23/2025	18:42	LB135538
	Manganese	20.0	+/-20.0	U	20.0	P	04/23/2025	18:42	LB135538
	Molybdenum	200	+/-200	U	200	P	04/23/2025	18:42	LB135538
	Nickel	40.0	+/-40.0	U	40.0	P	04/23/2025	18:42	LB135538
	Selenium	20.0	+/-20.0	U	20.0	P	04/23/2025	18:42	LB135538
	Silver	10.0	+/-10.0	U	10.0	P	04/23/2025	18:42	LB135538
	Thallium	40.0	+/-40.0	U	40.0	P	04/23/2025	18:42	LB135538

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Kleinfelder</u>		SDG No.: <u>Q1859</u>							
Contract:	<u>POWE02</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1859</u>	SAS No.:	<u>Q1859</u>		
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Vanadium	40.0	+/-40.0	U	40.0	P	04/23/2025	18:42	LB135538
	Zinc	40.0	+/-40.0	U	40.0	P	04/23/2025	18:42	LB135538

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Kleinfelder

SDG No.: Q1859

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB167718BL		SOLID		Batch Number:	PB167718		Prep Date:	04/23/2025	
	Mercury	0.013	<0.013	U	0.013	CV	04/24/2025	08:22	LB135540

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Kleinfelder

SDG No.: Q1859

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB167713BL	SOLID			Batch Number:	PB167713		Prep Date:	04/23/2025	
	Aluminum	4.98	<4.98	U	4.98	P	04/23/2025	16:23	LB135538
	Antimony	2.49	<2.49	U	2.49	P	04/23/2025	16:23	LB135538
	Arsenic	1.00	<1.00	U	1.00	P	04/23/2025	16:23	LB135538
	Barium	4.98	<4.98	U	4.98	P	04/23/2025	16:23	LB135538
	Beryllium	0.30	<0.30	U	0.30	P	04/23/2025	16:23	LB135538
	Boron	4.98	<4.98	U	4.98	P	04/23/2025	16:23	LB135538
	Cadmium	0.30	<0.30	U	0.30	P	04/23/2025	16:23	LB135538
	Chromium	0.50	<0.50	U	0.50	P	04/23/2025	16:23	LB135538
	Cobalt	1.49	<1.49	U	1.49	P	04/23/2025	16:23	LB135538
	Copper	1.00	<1.00	U	1.00	P	04/23/2025	16:23	LB135538
	Iron	4.98	<4.98	U	4.98	P	04/23/2025	16:23	LB135538
	Lead	0.60	<0.60	U	0.60	P	04/23/2025	16:23	LB135538
	Manganese	1.00	<1.00	U	1.00	P	04/23/2025	16:23	LB135538
	Molybdenum	9.95	<9.95	U	9.95	P	04/23/2025	16:23	LB135538
	Nickel	1.99	<1.99	U	1.99	P	04/23/2025	16:23	LB135538
	Selenium	1.00	<1.00	U	1.00	P	04/23/2025	16:23	LB135538
	Silver	0.50	<0.50	U	0.50	P	04/23/2025	16:23	LB135538
	Thallium	1.99	<1.99	U	1.99	P	04/23/2025	16:23	LB135538
	Vanadium	1.99	<1.99	U	1.99	P	04/23/2025	16:23	LB135538
	Zinc	1.99	<1.99	U	1.99	P	04/23/2025	16:23	LB135538

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Kleinfelder **SDG No.:** Q1859
Contract: POWE02 **Lab Code:** CHEM **Case No.:** Q1859 **SAS No.:** Q1859
ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	230000	255000	90	216000	294000	04/23/2025	15:58	LB135538
	Antimony	-2.40			-50	50	04/23/2025	15:58	LB135538
	Arsenic	3.98			-20	20	04/23/2025	15:58	LB135538
	Barium	2.89	6.0	48	-94	106	04/23/2025	15:58	LB135538
	Beryllium	0.51			-6	6	04/23/2025	15:58	LB135538
	Boron	35.2	1000	4	-100	100	04/23/2025	15:58	LB135538
	Cadmium	-2.92	1.0	292	-5	7	04/23/2025	15:58	LB135538
	Chromium	53.1	52.0	102	42	62	04/23/2025	15:58	LB135538
	Cobalt	0.76			-30	30	04/23/2025	15:58	LB135538
	Copper	5.71	2.0	286	-18	22	04/23/2025	15:58	LB135538
	Iron	94900	101000	94	85600	116500	04/23/2025	15:58	LB135538
	Lead	-1.66			-12	12	04/23/2025	15:58	LB135538
	Manganese	2.40	7.0	34	-13	27	04/23/2025	15:58	LB135538
	Molybdenum	0.20	1000		-200	200	04/23/2025	15:58	LB135538
	Nickel	1.73	2.0	86	-38	42	04/23/2025	15:58	LB135538
	Selenium	-1.75			-20	20	04/23/2025	15:58	LB135538
	Silver	1.29			-10	10	04/23/2025	15:58	LB135538
	Thallium	9.27			-40	40	04/23/2025	15:58	LB135538
	Vanadium	2.62			-40	40	04/23/2025	15:58	LB135538
	Zinc	3.65			-40	40	04/23/2025	15:58	LB135538
ICSAB01	Aluminum	230000	247000	93	209000	285000	04/23/2025	16:02	LB135538
	Antimony	619	618	100	525	711	04/23/2025	16:02	LB135538
	Arsenic	111	104	107	88.4	120	04/23/2025	16:02	LB135538
	Barium	466	537	87	437	637	04/23/2025	16:02	LB135538
	Beryllium	469	495	95	420	570	04/23/2025	16:02	LB135538
	Boron	950	1000	95	850	1150	04/23/2025	16:02	LB135538
	Cadmium	1000	972	103	826	1120	04/23/2025	16:02	LB135538
	Chromium	547	542	101	460	624	04/23/2025	16:02	LB135538
	Cobalt	489	476	103	404	548	04/23/2025	16:02	LB135538
	Copper	480	511	94	434	588	04/23/2025	16:02	LB135538
	Iron	97700	99300	98	84400	114500	04/23/2025	16:02	LB135538
	Lead	45.3	49.0	92	37	61	04/23/2025	16:02	LB135538
	Manganese	463	507	91	430	584	04/23/2025	16:02	LB135538
	Molybdenum	1030	1000	103	850	1150	04/23/2025	16:02	LB135538
	Nickel	971	954	102	810	1100	04/23/2025	16:02	LB135538
	Selenium	48.0	46.0	104	26	66	04/23/2025	16:02	LB135538
	Silver	178	201	89	170	232	04/23/2025	16:02	LB135538
	Thallium	107	108	99	68	148	04/23/2025	16:02	LB135538
	Vanadium	455	491	93	417	565	04/23/2025	16:02	LB135538
	Zinc	1030	952	108	809	1095	04/23/2025	16:02	LB135538



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Kleinfelder</u>	level: <u>low</u>	sdg no.: <u>Q1859</u>
contract: <u>POWE02</u>	lab code: <u>CHEM</u>	case no.: <u>Q1859</u> sas no.: <u>Q1859</u>
matrix: <u>Solid</u>	sample id: <u>Q1852-01</u>	client id: <u>ETGI-354MS</u>
Percent Solids for Sample: 92.5	Spiked ID: Q1852-01MS	Percent Solids for Spike Sample: 92.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.26		0.014	U	0.27	97		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Kleinfelder</u>	level: <u>low</u>	sdg no.: <u>Q1859</u>
contract: <u>POWE02</u>	lab code: <u>CHEM</u>	case no.: <u>Q1859</u> sas no.: <u>Q1859</u>
matrix: <u>Solid</u>	sample id: <u>Q1852-01</u>	client id: <u>ETGI-354MSD</u>
Percent Solids for Sample: 92.5	Spiked ID: Q1852-01MSD	Percent Solids for Spike Sample: 92.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.24		0.014	U	0.27	90		CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Kleinfelder</u>	level: <u>low</u>	sdg no.: <u>Q1859</u>
contract: <u>POWE02</u>	lab code: <u>CHEM</u>	case no.: <u>Q1859</u> sas no.: <u>Q1859</u>
matrix: <u>Solid</u>	sample id: <u>Q1858-01</u>	client id: <u>COMP-1MS</u>
Percent Solids for Sample: 83.9	Spiked ID: Q1858-01MS	Percent Solids for Spike Sample: 83.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	22800		24600		110	-1658		P
Antimony	mg/Kg	75 - 125	9.38		2.82	U	43.9	21	N	P
Arsenic	mg/Kg	75 - 125	31.2		5.92		43.9	58	N	P
Barium	mg/Kg	75 - 125	151		146		11.0	48		P
Beryllium	mg/Kg	75 - 125	8.03		2.29		11.0	52	N	P
Boron	mg/Kg	75 - 125	20.8		14.1		16.5	41	N	P
Cadmium	mg/Kg	75 - 125	13.3		3.68		11.0	88		P
Chromium	mg/Kg	75 - 125	61.1		57.6		22.0	16	N	P
Cobalt	mg/Kg	75 - 125	43.4		34.6		11.0	80		P
Copper	mg/Kg	75 - 125	76.9		71.3		16.5	34		P
Iron	mg/Kg	75 - 125	39600		45400		160	-3618		P
Lead	mg/Kg	75 - 125	71.9		24.7		54.9	86		P
Manganese	mg/Kg	75 - 125	362		401		11.0	-348		P
Molybdenum	mg/Kg	75 - 125	19.6		7.80	J	22.0	54	N	P
Nickel	mg/Kg	75 - 125	58.8		35.3		27.5	86		P
Selenium	mg/Kg	75 - 125	60.2		1.13	U	110	55	N	P
Silver	mg/Kg	75 - 125	3.19		0.65		4.1	62	N	P
Thallium	mg/Kg	75 - 125	90.4		2.26	U	110	82		P
Vanadium	mg/Kg	75 - 125	120		124		16.5	-27		P
Zinc	mg/Kg	75 - 125	93.3		92.7		11.0	5		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Kleinfelder</u>	level:	<u>low</u>	sdg no.:	<u>Q1859</u>
contract:	<u>POWE02</u>	lab code:	<u>CHEM</u>	case no.:	<u>Q1859</u>
matrix:	<u>Solid</u>	sample id:	<u>Q1858-01</u>	client id:	<u>COMP-1MSD</u>
Percent Solids for Sample:	83.9	Spiked ID:	Q1858-01MSD	Percent Solids for Spike Sample:	83.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	23100		24600		110	-1327		P
Antimony	mg/Kg	75 - 125	10.2		2.82	U	45.2	22	N	P
Arsenic	mg/Kg	75 - 125	32.7		5.92		45.2	59	N	P
Barium	mg/Kg	75 - 125	154		146		11.3	73		P
Beryllium	mg/Kg	75 - 125	8.20		2.29		11.3	52	N	P
Boron	mg/Kg	75 - 125	26.5		14.1		16.9	73	N	P
Cadmium	mg/Kg	75 - 125	13.1		3.68		11.3	83		P
Chromium	mg/Kg	75 - 125	63.0		57.6		22.6	24	N	P
Cobalt	mg/Kg	75 - 125	44.4		34.6		11.3	87		P
Copper	mg/Kg	75 - 125	82.9		71.3		16.9	69		P
Iron	mg/Kg	75 - 125	41700		45400		170	-2183		P
Lead	mg/Kg	75 - 125	76.2		24.7		56.5	91		P
Manganese	mg/Kg	75 - 125	408		401		11.3	69		P
Molybdenum	mg/Kg	75 - 125	21.8		7.80	J	22.6	62	N	P
Nickel	mg/Kg	75 - 125	59.4		35.3		28.2	85		P
Selenium	mg/Kg	75 - 125	63.4		1.13	U	110	58	N	P
Silver	mg/Kg	75 - 125	3.50		0.65		4.2	68	N	P
Thallium	mg/Kg	75 - 125	93.2		2.26	U	110	85		P
Vanadium	mg/Kg	75 - 125	120		124		16.9	-27		P
Zinc	mg/Kg	75 - 125	165		92.7		11.3	642		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: <u>Kleinfelder</u>	SDG No.: <u>Q1859</u>	
Contract: <u>POWE02</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q1859</u> SAS No.: <u>Q1859</u>
Matrix: <u>Solid</u>	Level: <u>LOW</u>	Client ID: <u>COMP-1A</u>
Sample ID: <u>Q1858-01</u>	Spiked ID: <u>Q1858-01A</u>	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	9.69		2.82	U	45.2	21		P
Arsenic	mg/Kg	75 - 125	31.8		5.92		45.2	57		P
Beryllium	mg/Kg	75 - 125	8.77		2.29		11.3	57		P
Boron	mg/Kg	75 - 125	20.6		14.1		16.9	39		P
Chromium	mg/Kg	75 - 125	63.0		57.6		22.6	24		P
Molybdenum	mg/Kg	75 - 125	21.2		7.80	J	22.6	59		P
Selenium	mg/Kg	75 - 125	60.7		1.13	U	110	55		P
Silver	mg/Kg	75 - 125	2.96		0.65		4.20	55		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Kleinfelder</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q1859</u>
Contract:	<u>POWE02</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1859</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q1852-01</u>	Client ID:	<u>ETGI-354DUP</u>
Percent Solids for Sample:	92.5	Duplicate ID	Q1852-01DUP	Percent Solids for Spike Sample:	92.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.014	U	0.013	U			CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Kleinfelder</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q1859</u>
Contract:	<u>POWE02</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1859</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q1852-01MS</u>	Client ID:	<u>ETGI-354MSD</u>
Percent Solids for Sample:	92.5	Duplicate ID	Q1852-01MSD	Percent Solids for Spike Sample:	92.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.26		0.24		7		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Kleinfelder **Level:** LOW **SDG No.:** Q1859
Contract: POWE02 **Lab Code:** CHEM **Case No.:** Q1859 **SAS No.:** Q1859
Matrix: Solid **Sample ID:** Q1858-01 **Client ID:** COMP-1DUP
Percent Solids for Sample: 83.9 **Duplicate ID** Q1858-01DUP **Percent Solids for Spike Sample:** 83.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	24600		22800		8		P
Antimony	mg/Kg	20	2.82	U	2.77	U			P
Arsenic	mg/Kg	20	5.92		5.61		5		P
Barium	mg/Kg	20	146		138		6		P
Beryllium	mg/Kg	20	2.29		1.89		19		P
Boron	mg/Kg	20	14.1		16.8		17		P
Cadmium	mg/Kg	20	3.68		2.74		29	*	P
Chromium	mg/Kg	20	57.6		50.4		13		P
Cobalt	mg/Kg	20	34.6		31.6		9		P
Copper	mg/Kg	20	71.3		64.0		11		P
Iron	mg/Kg	20	45400		42000		8		P
Lead	mg/Kg	20	24.7		25.1		2		P
Manganese	mg/Kg	20	401		366		9		P
Molybdenum	mg/Kg	20	7.80	J	7.77	J	0		P
Nickel	mg/Kg	20	35.3		33.9		4		P
Selenium	mg/Kg	20	1.13	U	1.11	U			P
Silver	mg/Kg	20	0.65		0.85		26		P
Thallium	mg/Kg	20	2.26	U	2.22	U			P
Vanadium	mg/Kg	20	124		109		13		P
Zinc	mg/Kg	20	92.7		88.6		5		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Kleinfelder **Level:** LOW **SDG No.:** Q1859
Contract: POWE02 **Lab Code:** CHEM **Case No.:** Q1859 **SAS No.:** Q1859
Matrix: Solid **Sample ID:** Q1858-01MS **Client ID:** COMP-1MSD
Percent Solids for Sample: 83.9 **Duplicate ID** Q1858-01MSD **Percent Solids for Spike Sample:** 83.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	22800		23100		1		P
Antimony	mg/Kg	20	9.38		10.2		8		P
Arsenic	mg/Kg	20	31.2		32.7		5		P
Barium	mg/Kg	20	151		154		2		P
Beryllium	mg/Kg	20	8.03		8.20		2		P
Boron	mg/Kg	20	20.8		26.5		24	*	P
Cadmium	mg/Kg	20	13.3		13.1		2		P
Chromium	mg/Kg	20	61.1		63.0		3		P
Cobalt	mg/Kg	20	43.4		44.4		2		P
Copper	mg/Kg	20	76.9		82.9		8		P
Iron	mg/Kg	20	39600		41700		5		P
Lead	mg/Kg	20	71.9		76.2		6		P
Manganese	mg/Kg	20	362		408		12		P
Molybdenum	mg/Kg	20	19.6		21.8		11		P
Nickel	mg/Kg	20	58.8		59.4		1		P
Selenium	mg/Kg	20	60.2		63.4		5		P
Silver	mg/Kg	20	3.19		3.50		9		P
Thallium	mg/Kg	20	90.4		93.2		3		P
Vanadium	mg/Kg	20	120		120		0		P
Zinc	mg/Kg	20	93.3		165		56	*	P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Kleinfelder **SDG No.:** Q1859
Contract: POWE02 **Lab Code:** CHEM **Case No.:** Q1859 **SAS No.:** Q1859

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167713BS							
Aluminum	mg/Kg	92.6	87.2		94	80 - 120	P
Antimony	mg/Kg	37.0	39.1		106	80 - 120	P
Arsenic	mg/Kg	37.0	37.8		102	80 - 120	P
Barium	mg/Kg	9.3	8.71		94	80 - 120	P
Beryllium	mg/Kg	9.3	8.62		93	80 - 120	P
Boron	mg/Kg	13.9	12.8		92	80 - 120	P
Cadmium	mg/Kg	9.3	9.35		100	80 - 120	P
Chromium	mg/Kg	18.5	18.7		101	80 - 120	P
Cobalt	mg/Kg	9.3	9.05		97	80 - 120	P
Copper	mg/Kg	13.9	14.2		102	80 - 120	P
Iron	mg/Kg	140	146		104	80 - 120	P
Lead	mg/Kg	46.3	46.3		100	80 - 120	P
Manganese	mg/Kg	9.3	9.15		98	80 - 120	P
Molybdenum	mg/Kg	18.5	19.6		106	80 - 120	P
Nickel	mg/Kg	23.1	22.8		99	80 - 120	P
Selenium	mg/Kg	92.6	95.4		103	80 - 120	P
Silver	mg/Kg	3.5	3.49		100	80 - 120	P
Thallium	mg/Kg	92.6	93.4		101	80 - 120	P
Vanadium	mg/Kg	13.9	13.4		96	80 - 120	P
Zinc	mg/Kg	9.3	9.55		103	80 - 120	P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Kleinfelder **SDG No.:** Q1859
Contract: POWE02 **Lab Code:** CHEM **Case No.:** Q1859 **SAS No.:** Q1859

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167718BS Mercury	mg/Kg	0.26	0.25		94	80 - 120	CV

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

ETGI-354L

Lab Name: Chemtech Consulting Group **Contract:** POWE02
Lab Code: CHEM **Lb No.:** lb135540 **Lab Sample ID :** Q1852-01L **SDG No.:** Q1859
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
Mercury	0.014 U	0.070 U			CV

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

COMP-1L

Lab Name: Chemtech Consulting Group

Contract: POWE02

Lab Code: CHEM Lb No.: lb135538

Lab Sample ID : Q1858-01L

SDG No.: Q1859

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	24600		33700		37		P
Antimony	2.82	U	14.1	U			P
Arsenic	5.92		7.96		35		P
Barium	146		202		38		P
Beryllium	2.29		3.20		40		P
Boron	14.1		31.0		121		P
Cadmium	3.68		1.69	U	100.0		P
Chromium	57.6		84.2		46		P
Cobalt	34.6		34.4		0		P
Copper	71.3		106		48		P
Iron	45400		69100		52		P
Lead	24.7		25.3		2		P
Manganese	401		575		44		P
Molybdenum	7.80	J	10.9	J	39		P
Nickel	35.3		37.1		5		P
Selenium	1.13	U	5.65	U			P
Silver	0.65		1.70	J	161		P
Thallium	2.26	U	11.3	U			P
Vanadium	124		178		43		P
Zinc	92.7		133		44		P



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder

SDG No.: Q1859

Contract: POWE02

Lab Code: CHEM

Case No.: Q1859

SAS No.: Q1859

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
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
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
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
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

- 11 -

ICP INTERELEMEN CORRECTION FACTORS

Client: Kleinfelder

SDG No.: Q1859

Contract: POWE02

Lab Code: CHEM

Case No.: Q1859

SAS No.: Q1859

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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
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
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
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
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

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder

SDG No.: Q1859

Contract: POWE02

Lab Code: CHEM

Case No.: Q1859

SAS No.: Q1859

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
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
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
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
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

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder

SDG No.: Q1859

Contract: POWE02

Lab Code: CHEM

Case No.: Q1859

SAS No.: Q1859

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
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
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
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
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

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder

SDG No.: Q1859

Contract: POWE02

Lab Code: CHEM

Case No.: Q1859

SAS No.: Q1859

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
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
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
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
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

- 13 -

SAMPLE PREPARATION SUMMARY

Client:	<u>Kleinfelder</u>	SDG No.:	<u>Q1859</u>
Contract:	<u>POWE02</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q1859</u>
		SAS No.:	<u>Q1859</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB167713							
PB167713BL	PB167713BL	MB	SOLID	04/23/2025	2.01	100.0	100.00
PB167713BS	PB167713BS	LCS	SOLID	04/23/2025	2.16	100.0	100.00
Q1858-01DUP	COMP-1DUP	DUP	SOLID	04/23/2025	2.15	100.0	83.90
Q1858-01MS	COMP-1MS	MS	SOLID	04/23/2025	2.17	100.0	83.90
Q1858-01MSD	COMP-1MSD	MSD	SOLID	04/23/2025	2.11	100.0	83.90
Q1859-01	COMP-1	SAM	SOLID	04/23/2025	2.17	100.0	79.60
Q1859-02	COMP-2	SAM	SOLID	04/23/2025	2.17	100.0	83.20
Q1859-03	COMP-3	SAM	SOLID	04/23/2025	2.23	100.0	85.60

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client:	<u>Kleinfelder</u>	SDG No.:	<u>Q1859</u>
Contract:	<u>POWE02</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q1859</u>
		SAS No.:	<u>Q1859</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB167718							
PB167718BL	PB167718BL	MB	SOLID	04/23/2025	0.55	35.0	100.00
PB167718BS	PB167718BS	LCS	SOLID	04/23/2025	0.53	35.0	100.00
Q1852-01DUP	ETGI-354DUP	DUP	SOLID	04/23/2025	0.58	35.0	92.50
Q1852-01MS	ETGI-354MS	MS	SOLID	04/23/2025	0.56	35.0	92.50
Q1852-01MSD	ETGI-354MSD	MSD	SOLID	04/23/2025	0.56	35.0	92.50
Q1859-01	COMP-1	SAM	SOLID	04/23/2025	0.50	35.0	79.60
Q1859-02	COMP-2	SAM	SOLID	04/23/2025	0.57	35.0	83.20
Q1859-03	COMP-3	SAM	SOLID	04/23/2025	0.54	35.0	85.60

metals
- 14 -
ANALYSIS RUN LOG

Client: Kleinfelder **Contract:** POWE02

Lab code: CHEM **Case no.:** Q1859 **Sas no.:** Q1859 **Sdg no.:** Q1859

Instrument id number: **Method:** **Run number:** LB135538

Start date: 04/23/2025 **End date:** 04/23/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1439	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1443	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1447	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1452	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1456	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1500	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1529	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1544	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1549	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1553	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1558	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1602	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1615	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1619	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
PB167713BL	PB167713BL	1	1623	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
PB167713BS	PB167713BS	1	1627	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
Q1858-01DUP	COMP-1DUP	1	1700	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1705	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1709	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
Q1858-01L	COMP-1L	5	1713	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
Q1858-01MS	COMP-1MS	1	1717	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
Q1858-01MSD	COMP-1MSD	1	1722	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
Q1858-01A	COMP-1A	1	1726	Ag,As,B,Be,Cr,Mo,Sb,Se
Q1859-01	COMP-1	1	1739	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
Q1859-02	COMP-2	1	1743	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
Q1859-03	COMP-3	1	1747	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1755	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1759	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1838	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1842	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn

metals
- 14 -
ANALYSIS RUN LOG

Client: Kleinfelder **Contract:** POWE02

Lab code: CHEM **Case no.:** Q1859 **Sas no.:** Q1859 **Sdg no.:** Q1859

Instrument id number: **Method:** **Run number:** LB135540

Start date: 04/24/2025 **End date:** 04/24/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0745	HG
S0.2	S0.2	1	0748	HG
S2.5	S2.5	1	0750	HG
S5	S5	1	0752	HG
S7.5	S7.5	1	0754	HG
S10	S10	1	0800	HG
ICV99	ICV99	1	0803	HG
ICB99	ICB99	1	0805	HG
CCV17	CCV17	1	0807	HG
CCB17	CCB17	1	0810	HG
CRA	CRA	1	0812	HG
PB167718BL	PB167718BL	1	0822	HG
PB167718BS	PB167718BS	1	0824	HG
Q1852-01DUP	ETGI-354DUP	1	0831	HG
Q1852-01MS	ETGI-354MS	1	0834	HG
Q1852-01MSD	ETGI-354MSD	1	0836	HG
CCV18	CCV18	1	0841	HG
CCB18	CCB18	1	0843	HG
Q1859-01	COMP-1	1	0903	HG
Q1859-02	COMP-2	1	0906	HG
CCV19	CCV19	1	0908	HG
CCB19	CCB19	1	0910	HG
Q1859-03	COMP-3	1	0913	HG
Q1852-01L	ETGI-354L	5	0915	HG
CCV20	CCV20	1	0919	HG
CCB20	CCB20	1	0922	HG