

LAB CHRONICLE

OrderID:	P5277	OrderDate:	12/13/2024 11:44:00 AM
Client:	Kleinfelder	Project:	Tanner G. Duckrey Public School
Contact:	Mark Warchol	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5277-01	COMP-1A	SOIL			12/12/24			12/13/24
			Mercury	7471B		12/16/24	12/16/24	
			Metals ICP-Group1	6010D		12/13/24	12/16/24	
P5277-02	COMP-2A	SOIL			12/12/24			12/13/24
			Mercury	7471B		12/16/24	12/16/24	
			Metals ICP-Group1	6010D		12/13/24	12/16/24	
P5277-03	COMP-3A	SOIL			12/12/24			12/13/24
			Mercury	7471B		12/16/24	12/16/24	
			Metals ICP-Group1	6010D		12/13/24	12/16/24	

Hit Summary Sheet
SW-846

SDG No.: P5277

Order ID: P5277

Client: Kleinfelder

Project ID: Tanner G. Duckrey Public School

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMP-1A								
P5277-01	COMP-1A	SOIL	Aluminum	19600		2.59	5.38	mg/Kg
P5277-01	COMP-1A	SOIL	Barium	95.8		0.69	5.38	mg/Kg
P5277-01	COMP-1A	SOIL	Beryllium	1.59		0.013	0.32	mg/Kg
P5277-01	COMP-1A	SOIL	Cadmium	2.67		0.017	0.32	mg/Kg
P5277-01	COMP-1A	SOIL	Chromium	24.0		0.058	0.54	mg/Kg
P5277-01	COMP-1A	SOIL	Cobalt	11.8		0.062	1.61	mg/Kg
P5277-01	COMP-1A	SOIL	Copper	13.6		0.51	1.08	mg/Kg
P5277-01	COMP-1A	SOIL	Iron	20500		2.89	5.38	mg/Kg
P5277-01	COMP-1A	SOIL	Lead	14.4		0.16	0.65	mg/Kg
P5277-01	COMP-1A	SOIL	Manganese	289		0.076	1.08	mg/Kg
P5277-01	COMP-1A	SOIL	Nickel	18.0		0.097	2.15	mg/Kg
P5277-01	COMP-1A	SOIL	Vanadium	32.5		0.29	2.15	mg/Kg
P5277-01	COMP-1A	SOIL	Zinc	59.7		0.12	2.15	mg/Kg
Client ID : COMP-2A								
P5277-02	COMP-2A	SOIL	Aluminum	22500		2.56	5.30	mg/Kg
P5277-02	COMP-2A	SOIL	Barium	124		0.68	5.30	mg/Kg
P5277-02	COMP-2A	SOIL	Beryllium	2.33		0.013	0.32	mg/Kg
P5277-02	COMP-2A	SOIL	Cadmium	5.90		0.017	0.32	mg/Kg
P5277-02	COMP-2A	SOIL	Chromium	42.0		0.057	0.53	mg/Kg
P5277-02	COMP-2A	SOIL	Cobalt	20.8		0.062	1.59	mg/Kg
P5277-02	COMP-2A	SOIL	Copper	24.1		0.50	1.06	mg/Kg
P5277-02	COMP-2A	SOIL	Iron	34200		2.85	5.30	mg/Kg
P5277-02	COMP-2A	SOIL	Lead	17.1		0.16	0.64	mg/Kg
P5277-02	COMP-2A	SOIL	Manganese	565		0.075	1.06	mg/Kg
P5277-02	COMP-2A	SOIL	Mercury	0.011	J	0.0070	0.016	mg/Kg
P5277-02	COMP-2A	SOIL	Nickel	37.5		0.095	2.12	mg/Kg
P5277-02	COMP-2A	SOIL	Vanadium	66.9		0.29	2.12	mg/Kg
P5277-02	COMP-2A	SOIL	Zinc	86.4		0.12	2.12	mg/Kg
Client ID : COMP-3A								
P5277-03	COMP-3A	SOIL	Aluminum	21300		2.19	4.54	mg/Kg
P5277-03	COMP-3A	SOIL	Barium	185		0.58	4.54	mg/Kg
P5277-03	COMP-3A	SOIL	Beryllium	1.89		0.011	0.27	mg/Kg
P5277-03	COMP-3A	SOIL	Cadmium	8.36		0.015	0.27	mg/Kg
P5277-03	COMP-3A	SOIL	Chromium	33.6		0.049	0.45	mg/Kg
P5277-03	COMP-3A	SOIL	Cobalt	26.9		0.053	1.36	mg/Kg
P5277-03	COMP-3A	SOIL	Copper	48.3		0.43	0.91	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: P5277

Order ID: P5277

Client: Kleinfelder

Project ID: Tanner G. Duckrey Public School

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5277-03	COMP-3A	SOIL	Iron	33400		2.44	4.54	mg/Kg
P5277-03	COMP-3A	SOIL	Lead	11.8		0.14	0.55	mg/Kg
P5277-03	COMP-3A	SOIL	Manganese	386		0.064	0.91	mg/Kg
P5277-03	COMP-3A	SOIL	Molybdenum	0.49	J	0.29	9.08	mg/Kg
P5277-03	COMP-3A	SOIL	Nickel	27.3		0.082	1.82	mg/Kg
P5277-03	COMP-3A	SOIL	Vanadium	67.4		0.25	1.82	mg/Kg
P5277-03	COMP-3A	SOIL	Zinc	77.4		0.10	1.82	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	12/12/24
Project:	Tanner G. Duckrey Public School	Date Received:	12/13/24
Client Sample ID:	COMP-1A	SDG No.:	P5277
Lab Sample ID:	P5277-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	19600		1	2.59	5.38	mg/Kg	12/13/24 13:30	12/16/24 19:15	SW6010	SW3050
7440-36-0	Antimony	0.16	UN	1	0.16	2.69	mg/Kg	12/13/24 13:30	12/16/24 19:15	SW6010	SW3050
7440-38-2	Arsenic	0.31	U	1	0.31	1.08	mg/Kg	12/13/24 13:30	12/16/24 19:15	SW6010	SW3050
7440-39-3	Barium	95.8		1	0.69	5.38	mg/Kg	12/13/24 13:30	12/16/24 19:15	SW6010	SW3050
7440-41-7	Beryllium	1.59		1	0.013	0.32	mg/Kg	12/13/24 13:30	12/16/24 19:15	SW6010	SW3050
7440-42-8	Boron	0.85	UN	1	0.85	5.38	mg/Kg	12/13/24 13:30	12/16/24 19:15	SW6010	SW3050
7440-43-9	Cadmium	2.67		1	0.017	0.32	mg/Kg	12/13/24 13:30	12/16/24 19:15	SW6010	SW3050
7440-47-3	Chromium	24.0		1	0.058	0.54	mg/Kg	12/13/24 13:30	12/16/24 19:15	SW6010	SW3050
7440-48-4	Cobalt	11.8		1	0.062	1.61	mg/Kg	12/13/24 13:30	12/16/24 19:15	SW6010	SW3050
7440-50-8	Copper	13.6		1	0.51	1.08	mg/Kg	12/13/24 13:30	12/16/24 19:15	SW6010	SW3050
7439-89-6	Iron	20500		1	2.89	5.38	mg/Kg	12/13/24 13:30	12/16/24 19:15	SW6010	SW3050
7439-92-1	Lead	14.4		1	0.16	0.65	mg/Kg	12/13/24 13:30	12/16/24 19:15	SW6010	SW3050
7439-96-5	Manganese	289		1	0.076	1.08	mg/Kg	12/13/24 13:30	12/16/24 19:15	SW6010	SW3050
7439-97-6	Mercury	0.0070	U	1	0.0070	0.016	mg/Kg	12/16/24 09:00	12/16/24 14:12	SW7471B	
7439-98-7	Molybdenum	0.34	UN	1	0.34	10.8	mg/Kg	12/13/24 13:30	12/16/24 19:15	SW6010	SW3050
7440-02-0	Nickel	18.0		1	0.097	2.15	mg/Kg	12/13/24 13:30	12/16/24 19:15	SW6010	SW3050
7782-49-2	Selenium	0.36	U	1	0.36	1.08	mg/Kg	12/13/24 13:30	12/16/24 19:15	SW6010	SW3050
7440-22-4	Silver	0.056	U	1	0.056	0.54	mg/Kg	12/13/24 13:30	12/16/24 19:15	SW6010	SW3050
7440-28-0	Thallium	0.47	U	1	0.47	2.15	mg/Kg	12/13/24 13:30	12/16/24 19:15	SW6010	SW3050
7440-62-2	Vanadium	32.5		1	0.29	2.15	mg/Kg	12/13/24 13:30	12/16/24 19:15	SW6010	SW3050
7440-66-6	Zinc	59.7		1	0.12	2.15	mg/Kg	12/13/24 13:30	12/16/24 19:15	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:	12/12/24
Project:	Tanner G. Duckrey Public School	Date Received:	12/13/24
Client Sample ID:	COMP-2A	SDG No.:	P5277
Lab Sample ID:	P5277-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	78.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	22500		1	2.56	5.30	mg/Kg	12/13/24 13:30	12/16/24 19:19	SW6010	SW3050
7440-36-0	Antimony	0.16	UN	1	0.16	2.65	mg/Kg	12/13/24 13:30	12/16/24 19:19	SW6010	SW3050
7440-38-2	Arsenic	0.31	U	1	0.31	1.06	mg/Kg	12/13/24 13:30	12/16/24 19:19	SW6010	SW3050
7440-39-3	Barium	124		1	0.68	5.30	mg/Kg	12/13/24 13:30	12/16/24 19:19	SW6010	SW3050
7440-41-7	Beryllium	2.33		1	0.013	0.32	mg/Kg	12/13/24 13:30	12/16/24 19:19	SW6010	SW3050
7440-42-8	Boron	0.84	UN	1	0.84	5.30	mg/Kg	12/13/24 13:30	12/16/24 19:19	SW6010	SW3050
7440-43-9	Cadmium	5.90		1	0.017	0.32	mg/Kg	12/13/24 13:30	12/16/24 19:19	SW6010	SW3050
7440-47-3	Chromium	42.0		1	0.057	0.53	mg/Kg	12/13/24 13:30	12/16/24 19:19	SW6010	SW3050
7440-48-4	Cobalt	20.8		1	0.062	1.59	mg/Kg	12/13/24 13:30	12/16/24 19:19	SW6010	SW3050
7440-50-8	Copper	24.1		1	0.50	1.06	mg/Kg	12/13/24 13:30	12/16/24 19:19	SW6010	SW3050
7439-89-6	Iron	34200		1	2.85	5.30	mg/Kg	12/13/24 13:30	12/16/24 19:19	SW6010	SW3050
7439-92-1	Lead	17.1		1	0.16	0.64	mg/Kg	12/13/24 13:30	12/16/24 19:19	SW6010	SW3050
7439-96-5	Manganese	565		1	0.075	1.06	mg/Kg	12/13/24 13:30	12/16/24 19:19	SW6010	SW3050
7439-97-6	Mercury	0.011	J	1	0.0070	0.016	mg/Kg	12/16/24 09:00	12/16/24 14:14	SW7471B	
7439-98-7	Molybdenum	0.34	UN	1	0.34	10.6	mg/Kg	12/13/24 13:30	12/16/24 19:19	SW6010	SW3050
7440-02-0	Nickel	37.5		1	0.095	2.12	mg/Kg	12/13/24 13:30	12/16/24 19:19	SW6010	SW3050
7782-49-2	Selenium	0.35	U	1	0.35	1.06	mg/Kg	12/13/24 13:30	12/16/24 19:19	SW6010	SW3050
7440-22-4	Silver	0.055	U	1	0.055	0.53	mg/Kg	12/13/24 13:30	12/16/24 19:19	SW6010	SW3050
7440-28-0	Thallium	0.47	U	1	0.47	2.12	mg/Kg	12/13/24 13:30	12/16/24 19:19	SW6010	SW3050
7440-62-2	Vanadium	66.9		1	0.29	2.12	mg/Kg	12/13/24 13:30	12/16/24 19:19	SW6010	SW3050
7440-66-6	Zinc	86.4		1	0.12	2.12	mg/Kg	12/13/24 13:30	12/16/24 19:19	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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 OR = Over Range
 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Kleinfelder	Date Collected:	12/12/24
Project:	Tanner G. Duckrey Public School	Date Received:	12/13/24
Client Sample ID:	COMP-3A	SDG No.:	P5277
Lab Sample ID:	P5277-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	21300		1	2.19	4.54	mg/Kg	12/13/24 13:30	12/16/24 19:24	SW6010	SW3050
7440-36-0	Antimony	0.14	UN	1	0.14	2.27	mg/Kg	12/13/24 13:30	12/16/24 19:24	SW6010	SW3050
7440-38-2	Arsenic	0.26	U	1	0.26	0.91	mg/Kg	12/13/24 13:30	12/16/24 19:24	SW6010	SW3050
7440-39-3	Barium	185		1	0.58	4.54	mg/Kg	12/13/24 13:30	12/16/24 19:24	SW6010	SW3050
7440-41-7	Beryllium	1.89		1	0.011	0.27	mg/Kg	12/13/24 13:30	12/16/24 19:24	SW6010	SW3050
7440-42-8	Boron	0.72	UN	1	0.72	4.54	mg/Kg	12/13/24 13:30	12/16/24 19:24	SW6010	SW3050
7440-43-9	Cadmium	8.36		1	0.015	0.27	mg/Kg	12/13/24 13:30	12/16/24 19:24	SW6010	SW3050
7440-47-3	Chromium	33.6		1	0.049	0.45	mg/Kg	12/13/24 13:30	12/16/24 19:24	SW6010	SW3050
7440-48-4	Cobalt	26.9		1	0.053	1.36	mg/Kg	12/13/24 13:30	12/16/24 19:24	SW6010	SW3050
7440-50-8	Copper	48.3		1	0.43	0.91	mg/Kg	12/13/24 13:30	12/16/24 19:24	SW6010	SW3050
7439-89-6	Iron	33400		1	2.44	4.54	mg/Kg	12/13/24 13:30	12/16/24 19:24	SW6010	SW3050
7439-92-1	Lead	11.8		1	0.14	0.55	mg/Kg	12/13/24 13:30	12/16/24 19:24	SW6010	SW3050
7439-96-5	Manganese	386		1	0.064	0.91	mg/Kg	12/13/24 13:30	12/16/24 19:24	SW6010	SW3050
7439-97-6	Mercury	0.0060	U	1	0.0060	0.013	mg/Kg	12/16/24 09:00	12/16/24 14:16	SW7471B	
7439-98-7	Molybdenum	0.49	JN	1	0.29	9.08	mg/Kg	12/13/24 13:30	12/16/24 19:24	SW6010	SW3050
7440-02-0	Nickel	27.3		1	0.082	1.82	mg/Kg	12/13/24 13:30	12/16/24 19:24	SW6010	SW3050
7782-49-2	Selenium	0.30	U	1	0.30	0.91	mg/Kg	12/13/24 13:30	12/16/24 19:24	SW6010	SW3050
7440-22-4	Silver	0.047	U	1	0.047	0.45	mg/Kg	12/13/24 13:30	12/16/24 19:24	SW6010	SW3050
7440-28-0	Thallium	0.40	U	1	0.40	1.82	mg/Kg	12/13/24 13:30	12/16/24 19:24	SW6010	SW3050
7440-62-2	Vanadium	67.4		1	0.25	1.82	mg/Kg	12/13/24 13:30	12/16/24 19:24	SW6010	SW3050
7440-66-6	Zinc	77.4		1	0.10	1.82	mg/Kg	12/13/24 13:30	12/16/24 19:24	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
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METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P5277
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5277 **SAS No.:** P5277
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
ICV19	Mercury	3.88	4.0	97	90 - 110	CV	12/16/2024	11:40	LB133960

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P5277
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5277 **SAS No.:** P5277
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
CCV29	Mercury	4.83	5.0	97	90 - 110	CV	12/16/2024	11:51	LB133960
CCV30	Mercury	5.32	5.0	106	90 - 110	CV	12/16/2024	14:19	LB133960
CCV31	Mercury	4.69	5.0	94	90 - 110	CV	12/16/2024	15:26	LB133960

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder SDG No.: P5277
 Contract: POWE02 Lab Code: CHEM Case No.: P5277 SAS No.: P5277
 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	2620	2500	105	90 - 110	P	12/16/2024	16:02	LB133968
	Antimony	1020	1000	102	90 - 110	P	12/16/2024	16:02	LB133968
	Arsenic	1030	1000	103	90 - 110	P	12/16/2024	16:02	LB133968
	Barium	520	520	100	90 - 110	P	12/16/2024	16:02	LB133968
	Beryllium	527	510	103	90 - 110	P	12/16/2024	16:02	LB133968
	Boron	2280	2500	91	90 - 110	P	12/16/2024	16:02	LB133968
	Cadmium	519	510	102	90 - 110	P	12/16/2024	16:02	LB133968
	Chromium	540	520	104	90 - 110	P	12/16/2024	16:02	LB133968
	Cobalt	526	520	101	90 - 110	P	12/16/2024	16:02	LB133968
	Copper	541	510	106	90 - 110	P	12/16/2024	16:02	LB133968
	Iron	10200	10000	102	90 - 110	P	12/16/2024	16:02	LB133968
	Lead	1030	1000	103	90 - 110	P	12/16/2024	16:02	LB133968
	Manganese	527	520	101	90 - 110	P	12/16/2024	16:02	LB133968
	Molybdenum	2270	2500	91	90 - 110	P	12/16/2024	16:02	LB133968
	Nickel	529	530	100	90 - 110	P	12/16/2024	16:02	LB133968
	Selenium	1060	1000	106	90 - 110	P	12/16/2024	16:02	LB133968
	Silver	255	250	102	90 - 110	P	12/16/2024	16:02	LB133968
	Thallium	1060	1000	106	90 - 110	P	12/16/2024	16:02	LB133968
	Vanadium	511	500	102	90 - 110	P	12/16/2024	16:02	LB133968
	Zinc	1060	1000	106	90 - 110	P	12/16/2024	16:02	LB133968

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder SDG No.: P5277
Contract: POWE02 Lab Code: CHEM Case No.: P5277 SAS No.: P5277
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	103	100	103	80 - 120	P	12/16/2024	16:06	LB133968
	Antimony	46.4	50.0	93	80 - 120	P	12/16/2024	16:06	LB133968
	Arsenic	19.2	20.0	96	80 - 120	P	12/16/2024	16:06	LB133968
	Barium	95.0	100	95	80 - 120	P	12/16/2024	16:06	LB133968
	Beryllium	5.99	6.0	100	80 - 120	P	12/16/2024	16:06	LB133968
	Boron	110	100	110	80 - 120	P	12/16/2024	16:06	LB133968
	Cadmium	5.53	6.0	92	80 - 120	P	12/16/2024	16:06	LB133968
	Chromium	9.70	10.0	97	80 - 120	P	12/16/2024	16:06	LB133968
	Cobalt	28.0	30.0	93	80 - 120	P	12/16/2024	16:06	LB133968
	Copper	21.6	20.0	108	80 - 120	P	12/16/2024	16:06	LB133968
	Iron	91.1	100	91	80 - 120	P	12/16/2024	16:06	LB133968
	Lead	10.6	12.0	88	80 - 120	P	12/16/2024	16:06	LB133968
	Manganese	20.2	20.0	101	80 - 120	P	12/16/2024	16:06	LB133968
	Molybdenum	196	200	98	80 - 120	P	12/16/2024	16:06	LB133968
	Nickel	37.5	40.0	94	80 - 120	P	12/16/2024	16:06	LB133968
	Selenium	19.7	20.0	98	80 - 120	P	12/16/2024	16:06	LB133968
	Silver	9.45	10.0	94	80 - 120	P	12/16/2024	16:06	LB133968
	Thallium	35.6	40.0	89	80 - 120	P	12/16/2024	16:06	LB133968
	Vanadium	38.7	40.0	97	80 - 120	P	12/16/2024	16:06	LB133968
	Zinc	39.8	40.0	100	80 - 120	P	12/16/2024	16:06	LB133968

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder SDG No.: P5277
Contract: POWE02 Lab Code: CHEM Case No.: P5277 SAS No.: P5277
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	9630	10000	96	90 - 110	P	12/16/2024	16:57	LB133968
	Antimony	4800	5000	96	90 - 110	P	12/16/2024	16:57	LB133968
	Arsenic	4810	5000	96	90 - 110	P	12/16/2024	16:57	LB133968
	Barium	9520	10000	95	90 - 110	P	12/16/2024	16:57	LB133968
	Beryllium	252	250	101	90 - 110	P	12/16/2024	16:57	LB133968
	Boron	4980	5000	100	90 - 110	P	12/16/2024	16:57	LB133968
	Cadmium	2460	2500	99	90 - 110	P	12/16/2024	16:57	LB133968
	Chromium	993	1000	99	90 - 110	P	12/16/2024	16:57	LB133968
	Cobalt	2440	2500	98	90 - 110	P	12/16/2024	16:57	LB133968
	Copper	1220	1250	97	90 - 110	P	12/16/2024	16:57	LB133968
	Iron	4780	5000	96	90 - 110	P	12/16/2024	16:57	LB133968
	Lead	4930	5000	99	90 - 110	P	12/16/2024	16:57	LB133968
	Manganese	2420	2500	97	90 - 110	P	12/16/2024	16:57	LB133968
	Molybdenum	4810	5000	96	90 - 110	P	12/16/2024	16:57	LB133968
	Nickel	2450	2500	98	90 - 110	P	12/16/2024	16:57	LB133968
	Selenium	4810	5000	96	90 - 110	P	12/16/2024	16:57	LB133968
	Silver	1220	1250	98	90 - 110	P	12/16/2024	16:57	LB133968
	Thallium	4960	5000	99	90 - 110	P	12/16/2024	16:57	LB133968
	Vanadium	2430	2500	97	90 - 110	P	12/16/2024	16:57	LB133968
	Zinc	2460	2500	98	90 - 110	P	12/16/2024	16:57	LB133968
CCV02	Aluminum	9700	10000	97	90 - 110	P	12/16/2024	17:58	LB133968
	Antimony	4720	5000	94	90 - 110	P	12/16/2024	17:58	LB133968
	Arsenic	4740	5000	95	90 - 110	P	12/16/2024	17:58	LB133968
	Barium	9620	10000	96	90 - 110	P	12/16/2024	17:58	LB133968
	Beryllium	263	250	105	90 - 110	P	12/16/2024	17:58	LB133968
	Boron	5130	5000	103	90 - 110	P	12/16/2024	17:58	LB133968
	Cadmium	2500	2500	100	90 - 110	P	12/16/2024	17:58	LB133968
	Chromium	1020	1000	102	90 - 110	P	12/16/2024	17:58	LB133968
	Cobalt	2470	2500	99	90 - 110	P	12/16/2024	17:58	LB133968
	Copper	1220	1250	97	90 - 110	P	12/16/2024	17:58	LB133968
	Iron	4840	5000	97	90 - 110	P	12/16/2024	17:58	LB133968
	Lead	5000	5000	100	90 - 110	P	12/16/2024	17:58	LB133968
	Manganese	2490	2500	99	90 - 110	P	12/16/2024	17:58	LB133968
	Molybdenum	4820	5000	96	90 - 110	P	12/16/2024	17:58	LB133968

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder SDG No.: P5277
 Contract: POWE02 Lab Code: CHEM Case No.: P5277 SAS No.: P5277
 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	Nickel	2480	2500	99	90 - 110	P	12/16/2024	17:58	LB133968
	Selenium	4710	5000	94	90 - 110	P	12/16/2024	17:58	LB133968
	Silver	1240	1250	99	90 - 110	P	12/16/2024	17:58	LB133968
	Thallium	4930	5000	98	90 - 110	P	12/16/2024	17:58	LB133968
	Vanadium	2480	2500	99	90 - 110	P	12/16/2024	17:58	LB133968
	Zinc	2470	2500	99	90 - 110	P	12/16/2024	17:58	LB133968
CCV03	Aluminum	9590	10000	96	90 - 110	P	12/16/2024	18:48	LB133968
	Antimony	4660	5000	93	90 - 110	P	12/16/2024	18:48	LB133968
	Arsenic	4700	5000	94	90 - 110	P	12/16/2024	18:48	LB133968
	Barium	9330	10000	93	90 - 110	P	12/16/2024	18:48	LB133968
	Beryllium	263	250	105	90 - 110	P	12/16/2024	18:48	LB133968
	Boron	5110	5000	102	90 - 110	P	12/16/2024	18:48	LB133968
	Cadmium	2480	2500	99	90 - 110	P	12/16/2024	18:48	LB133968
	Chromium	1020	1000	102	90 - 110	P	12/16/2024	18:48	LB133968
	Cobalt	2450	2500	98	90 - 110	P	12/16/2024	18:48	LB133968
	Copper	1210	1250	96	90 - 110	P	12/16/2024	18:48	LB133968
	Iron	4810	5000	96	90 - 110	P	12/16/2024	18:48	LB133968
	Lead	4950	5000	99	90 - 110	P	12/16/2024	18:48	LB133968
	Manganese	2470	2500	99	90 - 110	P	12/16/2024	18:48	LB133968
	Molybdenum	4760	5000	95	90 - 110	P	12/16/2024	18:48	LB133968
	Nickel	2460	2500	98	90 - 110	P	12/16/2024	18:48	LB133968
	Selenium	4670	5000	93	90 - 110	P	12/16/2024	18:48	LB133968
	Silver	1230	1250	98	90 - 110	P	12/16/2024	18:48	LB133968
	Thallium	4800	5000	96	90 - 110	P	12/16/2024	18:48	LB133968
	Vanadium	2460	2500	98	90 - 110	P	12/16/2024	18:48	LB133968
	Zinc	2440	2500	98	90 - 110	P	12/16/2024	18:48	LB133968
CCV04	Aluminum	9770	10000	98	90 - 110	P	12/16/2024	19:51	LB133968
	Antimony	4690	5000	94	90 - 110	P	12/16/2024	19:51	LB133968
	Arsenic	4740	5000	95	90 - 110	P	12/16/2024	19:51	LB133968
	Barium	9400	10000	94	90 - 110	P	12/16/2024	19:51	LB133968
	Beryllium	274	250	110	90 - 110	P	12/16/2024	19:51	LB133968
	Boron	5280	5000	106	90 - 110	P	12/16/2024	19:51	LB133968
	Cadmium	2550	2500	102	90 - 110	P	12/16/2024	19:51	LB133968
	Chromium	1040	1000	104	90 - 110	P	12/16/2024	19:51	LB133968

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder SDG No.: P5277
Contract: POWE02 Lab Code: CHEM Case No.: P5277 SAS No.: P5277
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	2510	2500	100	90 - 110	P	12/16/2024	19:51	LB133968
	Copper	1220	1250	98	90 - 110	P	12/16/2024	19:51	LB133968
	Iron	4880	5000	98	90 - 110	P	12/16/2024	19:51	LB133968
	Lead	5050	5000	101	90 - 110	P	12/16/2024	19:51	LB133968
	Manganese	2540	2500	102	90 - 110	P	12/16/2024	19:51	LB133968
	Molybdenum	4860	5000	97	90 - 110	P	12/16/2024	19:51	LB133968
	Nickel	2510	2500	101	90 - 110	P	12/16/2024	19:51	LB133968
	Selenium	4680	5000	94	90 - 110	P	12/16/2024	19:51	LB133968
	Silver	1240	1250	100	90 - 110	P	12/16/2024	19:51	LB133968
	Thallium	4970	5000	99	90 - 110	P	12/16/2024	19:51	LB133968
	Vanadium	2530	2500	101	90 - 110	P	12/16/2024	19:51	LB133968
	Zinc	2460	2500	98	90 - 110	P	12/16/2024	19:51	LB133968
CCV05	Aluminum	9980	10000	100	90 - 110	P	12/16/2024	20:49	LB133968
	Antimony	4980	5000	100	90 - 110	P	12/16/2024	20:49	LB133968
	Arsenic	4960	5000	99	90 - 110	P	12/16/2024	20:49	LB133968
	Barium	9720	10000	97	90 - 110	P	12/16/2024	20:49	LB133968
	Beryllium	263	250	105	90 - 110	P	12/16/2024	20:49	LB133968
	Boron	5200	5000	104	90 - 110	P	12/16/2024	20:49	LB133968
	Cadmium	2520	2500	101	90 - 110	P	12/16/2024	20:49	LB133968
	Chromium	1030	1000	103	90 - 110	P	12/16/2024	20:49	LB133968
	Cobalt	2500	2500	100	90 - 110	P	12/16/2024	20:49	LB133968
	Copper	1260	1250	101	90 - 110	P	12/16/2024	20:49	LB133968
	Iron	4950	5000	99	90 - 110	P	12/16/2024	20:49	LB133968
	Lead	5060	5000	101	90 - 110	P	12/16/2024	20:49	LB133968
	Manganese	2500	2500	100	90 - 110	P	12/16/2024	20:49	LB133968
	Molybdenum	5000	5000	100	90 - 110	P	12/16/2024	20:49	LB133968
	Nickel	2510	2500	100	90 - 110	P	12/16/2024	20:49	LB133968
	Selenium	4960	5000	99	90 - 110	P	12/16/2024	20:49	LB133968
	Silver	1270	1250	101	90 - 110	P	12/16/2024	20:49	LB133968
	Thallium	5030	5000	101	90 - 110	P	12/16/2024	20:49	LB133968
	Vanadium	2530	2500	101	90 - 110	P	12/16/2024	20:49	LB133968
	Zinc	2520	2500	101	90 - 110	P	12/16/2024	20:49	LB133968
CCV06	Aluminum	9700	10000	97	90 - 110	P	12/16/2024	21:47	LB133968
	Antimony	4710	5000	94	90 - 110	P	12/16/2024	21:47	LB133968

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder SDG No.: P5277
Contract: POWE02 Lab Code: CHEM Case No.: P5277 SAS No.: P5277
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
CCV06	Arsenic	4730	5000	95	90 - 110	P	12/16/2024	21:47	LB133968
	Barium	9350	10000	94	90 - 110	P	12/16/2024	21:47	LB133968
	Beryllium	268	250	107	90 - 110	P	12/16/2024	21:47	LB133968
	Boron	5220	5000	104	90 - 110	P	12/16/2024	21:47	LB133968
	Cadmium	2510	2500	100	90 - 110	P	12/16/2024	21:47	LB133968
	Chromium	1030	1000	103	90 - 110	P	12/16/2024	21:47	LB133968
	Cobalt	2470	2500	99	90 - 110	P	12/16/2024	21:47	LB133968
	Copper	1220	1250	97	90 - 110	P	12/16/2024	21:47	LB133968
	Iron	4840	5000	97	90 - 110	P	12/16/2024	21:47	LB133968
	Lead	5020	5000	100	90 - 110	P	12/16/2024	21:47	LB133968
	Manganese	2490	2500	100	90 - 110	P	12/16/2024	21:47	LB133968
	Molybdenum	4830	5000	96	90 - 110	P	12/16/2024	21:47	LB133968
	Nickel	2480	2500	99	90 - 110	P	12/16/2024	21:47	LB133968
	Selenium	4700	5000	94	90 - 110	P	12/16/2024	21:47	LB133968
	Silver	1250	1250	100	90 - 110	P	12/16/2024	21:47	LB133968
	Thallium	4870	5000	97	90 - 110	P	12/16/2024	21:47	LB133968
	Vanadium	2490	2500	100	90 - 110	P	12/16/2024	21:47	LB133968
	Zinc	2470	2500	99	90 - 110	P	12/16/2024	21:47	LB133968
CCV07	Aluminum	9690	10000	97	90 - 110	P	12/16/2024	23:02	LB133968
	Antimony	4630	5000	92	90 - 110	P	12/16/2024	23:02	LB133968
	Arsenic	4700	5000	94	90 - 110	P	12/16/2024	23:02	LB133968
	Barium	9330	10000	93	90 - 110	P	12/16/2024	23:02	LB133968
	Beryllium	232	250	93	90 - 110	P	12/16/2024	23:02	LB133968
	Boron	5340	5000	107	90 - 110	P	12/16/2024	23:02	LB133968
	Cadmium	2560	2500	102	90 - 110	P	12/16/2024	23:02	LB133968
	Chromium	1050	1000	105	90 - 110	P	12/16/2024	23:02	LB133968
	Cobalt	2500	2500	100	90 - 110	P	12/16/2024	23:02	LB133968
	Copper	1210	1250	96	90 - 110	P	12/16/2024	23:02	LB133968
	Iron	4820	5000	96	90 - 110	P	12/16/2024	23:02	LB133968
	Lead	5100	5000	102	90 - 110	P	12/16/2024	23:02	LB133968
	Manganese	2520	2500	101	90 - 110	P	12/16/2024	23:02	LB133968
	Molybdenum	4790	5000	96	90 - 110	P	12/16/2024	23:02	LB133968
	Nickel	2520	2500	101	90 - 110	P	12/16/2024	23:02	LB133968
	Selenium	4640	5000	93	90 - 110	P	12/16/2024	23:02	LB133968

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder SDG No.: P5277
 Contract: POWE02 Lab Code: CHEM Case No.: P5277 SAS No.: P5277
 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
CCV07	Silver	1250	1250	100	90 - 110	P	12/16/2024	23:02	LB133968
	Thallium	4980	5000	100	90 - 110	P	12/16/2024	23:02	LB133968
	Vanadium	2510	2500	100	90 - 110	P	12/16/2024	23:02	LB133968
	Zinc	2460	2500	99	90 - 110	P	12/16/2024	23:02	LB133968
CCV08	Aluminum	9720	10000	97	90 - 110	P	12/16/2024	23:35	LB133968
	Antimony	4760	5000	95	90 - 110	P	12/16/2024	23:35	LB133968
	Arsenic	4800	5000	96	90 - 110	P	12/16/2024	23:35	LB133968
	Barium	9410	10000	94	90 - 110	P	12/16/2024	23:35	LB133968
	Beryllium	274	250	109	90 - 110	P	12/16/2024	23:35	LB133968
	Boron	5270	5000	105	90 - 110	P	12/16/2024	23:35	LB133968
	Cadmium	2540	2500	102	90 - 110	P	12/16/2024	23:35	LB133968
	Chromium	1050	1000	105	90 - 110	P	12/16/2024	23:35	LB133968
	Cobalt	2500	2500	100	90 - 110	P	12/16/2024	23:35	LB133968
	Copper	1230	1250	99	90 - 110	P	12/16/2024	23:35	LB133968
	Iron	4830	5000	97	90 - 110	P	12/16/2024	23:35	LB133968
	Lead	5070	5000	102	90 - 110	P	12/16/2024	23:35	LB133968
	Manganese	2500	2500	100	90 - 110	P	12/16/2024	23:35	LB133968
	Molybdenum	4850	5000	97	90 - 110	P	12/16/2024	23:35	LB133968
	Nickel	2520	2500	101	90 - 110	P	12/16/2024	23:35	LB133968
	Selenium	4760	5000	95	90 - 110	P	12/16/2024	23:35	LB133968
	Silver	1260	1250	101	90 - 110	P	12/16/2024	23:35	LB133968
	Thallium	4900	5000	98	90 - 110	P	12/16/2024	23:35	LB133968
	Vanadium	2510	2500	100	90 - 110	P	12/16/2024	23:35	LB133968
	Zinc	2490	2500	100	90 - 110	P	12/16/2024	23:35	LB133968



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

Metals

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CRDL STANDARD FOR AA & ICP

Client: Kleinfelder **SDG No.:** P5277
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5277 **SAS No.:** P5277
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.21	0.2	103	40 - 160	CV	12/16/2024	12:11	LB133960
CRI01	Aluminum	94.7	100	95	40 - 160	P	12/16/2024	16:14	LB133968
	Antimony	47.4	50.0	95	40 - 160	P	12/16/2024	16:14	LB133968
	Arsenic	18.9	20.0	95	40 - 160	P	12/16/2024	16:14	LB133968
	Barium	97.7	100	98	40 - 160	P	12/16/2024	16:14	LB133968
	Beryllium	6.13	6.0	102	40 - 160	P	12/16/2024	16:14	LB133968
	Boron	101	100	102	40 - 160	P	12/16/2024	16:14	LB133968
	Cadmium	5.61	6.0	94	40 - 160	P	12/16/2024	16:14	LB133968
	Chromium	9.95	10.0	100	40 - 160	P	12/16/2024	16:14	LB133968
	Cobalt	28.5	30.0	95	40 - 160	P	12/16/2024	16:14	LB133968
	Copper	21.3	20.0	107	40 - 160	P	12/16/2024	16:14	LB133968
	Iron	91.4	100	91	40 - 160	P	12/16/2024	16:14	LB133968
	Lead	12.0	12.0	100	40 - 160	P	12/16/2024	16:14	LB133968
	Manganese	20.6	20.0	103	40 - 160	P	12/16/2024	16:14	LB133968
	Molybdenum	196	200	98	40 - 160	P	12/16/2024	16:14	LB133968
	Nickel	38.0	40.0	95	40 - 160	P	12/16/2024	16:14	LB133968
	Selenium	19.0	20.0	95	40 - 160	P	12/16/2024	16:14	LB133968
	Silver	9.77	10.0	98	40 - 160	P	12/16/2024	16:14	LB133968
	Thallium	38.1	40.0	95	40 - 160	P	12/16/2024	16:14	LB133968
	Vanadium	40.5	40.0	101	40 - 160	P	12/16/2024	16:14	LB133968
	Zinc	43.5	40.0	109	40 - 160	P	12/16/2024	16:14	LB133968



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.: P5277

Contract: POWE02

Lab Code: CHEM

Case No.: P5277

SAS No.: P5277

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB19	Mercury	0.20	+/-0.20	U	0.20	CV	12/16/2024	11:45	LB133960

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P5277
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5277 **SAS No.:** P5277

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB29	Mercury	0.20	+/-0.20	U	0.20	CV	12/16/2024	11:55	LB133960
CCB30	Mercury	0.20	+/-0.20	U	0.20	CV	12/16/2024	14:24	LB133960
CCB31	Mercury	0.20	+/-0.20	U	0.20	CV	12/16/2024	15:28	LB133960

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P5277
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5277 **SAS No.:** P5277

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	12/16/2024	16:10	LB133968
	Antimony	50.0	+/-50.0	U	50.0	P	12/16/2024	16:10	LB133968
	Arsenic	20.0	+/-20.0	U	20.0	P	12/16/2024	16:10	LB133968
	Barium	100	+/-100	U	100	P	12/16/2024	16:10	LB133968
	Beryllium	6.00	+/-6.00	U	6.00	P	12/16/2024	16:10	LB133968
	Boron	100	+/-100	U	100	P	12/16/2024	16:10	LB133968
	Cadmium	6.00	+/-6.00	U	6.00	P	12/16/2024	16:10	LB133968
	Chromium	10.0	+/-10.0	U	10.0	P	12/16/2024	16:10	LB133968
	Cobalt	30.0	+/-30.0	U	30.0	P	12/16/2024	16:10	LB133968
	Copper	20.0	+/-20.0	U	20.0	P	12/16/2024	16:10	LB133968
	Iron	100	+/-100	U	100	P	12/16/2024	16:10	LB133968
	Lead	12.0	+/-12.0	U	12.0	P	12/16/2024	16:10	LB133968
	Manganese	20.0	+/-20.0	U	20.0	P	12/16/2024	16:10	LB133968
	Molybdenum	200	+/-200	U	200	P	12/16/2024	16:10	LB133968
	Nickel	40.0	+/-40.0	U	40.0	P	12/16/2024	16:10	LB133968
	Selenium	20.0	+/-20.0	U	20.0	P	12/16/2024	16:10	LB133968
	Silver	10.0	+/-10.0	U	10.0	P	12/16/2024	16:10	LB133968
	Thallium	40.0	+/-40.0	U	40.0	P	12/16/2024	16:10	LB133968
	Vanadium	40.0	+/-40.0	U	40.0	P	12/16/2024	16:10	LB133968
	Zinc	40.0	+/-40.0	U	40.0	P	12/16/2024	16:10	LB133968

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Kleinfelder</u>		SDG No.: <u>P5277</u>							
Contract: <u>POWE02</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P5277</u>	SAS No.: <u>P5277</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	12/16/2024	17:01	LB133968
	Antimony	50.0	+/-50.0	U	50.0	P	12/16/2024	17:01	LB133968
	Arsenic	20.0	+/-20.0	U	20.0	P	12/16/2024	17:01	LB133968
	Barium	100	+/-100	U	100	P	12/16/2024	17:01	LB133968
	Beryllium	6.00	+/-6.00	U	6.00	P	12/16/2024	17:01	LB133968
	Boron	100	+/-100	U	100	P	12/16/2024	17:01	LB133968
	Cadmium	6.00	+/-6.00	U	6.00	P	12/16/2024	17:01	LB133968
	Chromium	10.0	+/-10.0	U	10.0	P	12/16/2024	17:01	LB133968
	Cobalt	30.0	+/-30.0	U	30.0	P	12/16/2024	17:01	LB133968
	Copper	20.0	+/-20.0	U	20.0	P	12/16/2024	17:01	LB133968
	Iron	100	+/-100	U	100	P	12/16/2024	17:01	LB133968
	Lead	12.0	+/-12.0	U	12.0	P	12/16/2024	17:01	LB133968
	Manganese	20.0	+/-20.0	U	20.0	P	12/16/2024	17:01	LB133968
	Molybdenum	200	+/-200	U	200	P	12/16/2024	17:01	LB133968
	Nickel	40.0	+/-40.0	U	40.0	P	12/16/2024	17:01	LB133968
	Selenium	20.0	+/-20.0	U	20.0	P	12/16/2024	17:01	LB133968
	Silver	10.0	+/-10.0	U	10.0	P	12/16/2024	17:01	LB133968
	Thallium	40.0	+/-40.0	U	40.0	P	12/16/2024	17:01	LB133968
	Vanadium	40.0	+/-40.0	U	40.0	P	12/16/2024	17:01	LB133968
	Zinc	40.0	+/-40.0	U	40.0	P	12/16/2024	17:01	LB133968
CCB02	Aluminum	100	+/-100	U	100	P	12/16/2024	18:02	LB133968
	Antimony	50.0	+/-50.0	U	50.0	P	12/16/2024	18:02	LB133968
	Arsenic	20.0	+/-20.0	U	20.0	P	12/16/2024	18:02	LB133968
	Barium	100	+/-100	U	100	P	12/16/2024	18:02	LB133968
	Beryllium	6.00	+/-6.00	U	6.00	P	12/16/2024	18:02	LB133968
	Boron	100	+/-100	U	100	P	12/16/2024	18:02	LB133968
	Cadmium	6.00	+/-6.00	U	6.00	P	12/16/2024	18:02	LB133968
	Chromium	10.0	+/-10.0	U	10.0	P	12/16/2024	18:02	LB133968
	Cobalt	30.0	+/-30.0	U	30.0	P	12/16/2024	18:02	LB133968
	Copper	20.0	+/-20.0	U	20.0	P	12/16/2024	18:02	LB133968
	Iron	100	+/-100	U	100	P	12/16/2024	18:02	LB133968
	Lead	12.0	+/-12.0	U	12.0	P	12/16/2024	18:02	LB133968
	Manganese	20.0	+/-20.0	U	20.0	P	12/16/2024	18:02	LB133968
	Molybdenum	200	+/-200	U	200	P	12/16/2024	18:02	LB133968
	Nickel	40.0	+/-40.0	U	40.0	P	12/16/2024	18:02	LB133968
	Selenium	20.0	+/-20.0	U	20.0	P	12/16/2024	18:02	LB133968
	Silver	10.0	+/-10.0	U	10.0	P	12/16/2024	18:02	LB133968
	Thallium	40.0	+/-40.0	U	40.0	P	12/16/2024	18:02	LB133968
	Vanadium	40.0	+/-40.0	U	40.0	P	12/16/2024	18:02	LB133968

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Kleinfelder</u>		SDG No.: <u>P5277</u>							
Contract: <u>POWE02</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P5277</u>	SAS No.: <u>P5277</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	12/16/2024	18:02	LB133968
CCB03	Aluminum	100	+/-100	U	100	P	12/16/2024	18:52	LB133968
	Antimony	50.0	+/-50.0	U	50.0	P	12/16/2024	18:52	LB133968
	Arsenic	20.0	+/-20.0	U	20.0	P	12/16/2024	18:52	LB133968
	Barium	100	+/-100	U	100	P	12/16/2024	18:52	LB133968
	Beryllium	6.00	+/-6.00	U	6.00	P	12/16/2024	18:52	LB133968
	Boron	100	+/-100	U	100	P	12/16/2024	18:52	LB133968
	Cadmium	6.00	+/-6.00	U	6.00	P	12/16/2024	18:52	LB133968
	Chromium	10.0	+/-10.0	U	10.0	P	12/16/2024	18:52	LB133968
	Cobalt	30.0	+/-30.0	U	30.0	P	12/16/2024	18:52	LB133968
	Copper	20.0	+/-20.0	U	20.0	P	12/16/2024	18:52	LB133968
	Iron	100	+/-100	U	100	P	12/16/2024	18:52	LB133968
	Lead	12.0	+/-12.0	U	12.0	P	12/16/2024	18:52	LB133968
	Manganese	20.0	+/-20.0	U	20.0	P	12/16/2024	18:52	LB133968
	Molybdenum	200	+/-200	U	200	P	12/16/2024	18:52	LB133968
	Nickel	40.0	+/-40.0	U	40.0	P	12/16/2024	18:52	LB133968
	Selenium	20.0	+/-20.0	U	20.0	P	12/16/2024	18:52	LB133968
	Silver	10.0	+/-10.0	U	10.0	P	12/16/2024	18:52	LB133968
	Thallium	40.0	+/-40.0	U	40.0	P	12/16/2024	18:52	LB133968
	Vanadium	40.0	+/-40.0	U	40.0	P	12/16/2024	18:52	LB133968
	Zinc	40.0	+/-40.0	U	40.0	P	12/16/2024	18:52	LB133968
CCB04	Aluminum	100	+/-100	U	100	P	12/16/2024	19:57	LB133968
	Antimony	50.0	+/-50.0	U	50.0	P	12/16/2024	19:57	LB133968
	Arsenic	20.0	+/-20.0	U	20.0	P	12/16/2024	19:57	LB133968
	Barium	100	+/-100	U	100	P	12/16/2024	19:57	LB133968
	Beryllium	6.00	+/-6.00	U	6.00	P	12/16/2024	19:57	LB133968
	Boron	100	+/-100	U	100	P	12/16/2024	19:57	LB133968
	Cadmium	6.00	+/-6.00	U	6.00	P	12/16/2024	19:57	LB133968
	Chromium	10.0	+/-10.0	U	10.0	P	12/16/2024	19:57	LB133968
	Cobalt	30.0	+/-30.0	U	30.0	P	12/16/2024	19:57	LB133968
	Copper	20.0	+/-20.0	U	20.0	P	12/16/2024	19:57	LB133968
	Iron	100	+/-100	U	100	P	12/16/2024	19:57	LB133968
	Lead	12.0	+/-12.0	U	12.0	P	12/16/2024	19:57	LB133968
	Manganese	20.0	+/-20.0	U	20.0	P	12/16/2024	19:57	LB133968
	Molybdenum	200	+/-200	U	200	P	12/16/2024	19:57	LB133968
	Nickel	40.0	+/-40.0	U	40.0	P	12/16/2024	19:57	LB133968
	Selenium	20.0	+/-20.0	U	20.0	P	12/16/2024	19:57	LB133968
	Silver	10.0	+/-10.0	U	10.0	P	12/16/2024	19:57	LB133968
	Thallium	40.0	+/-40.0	U	40.0	P	12/16/2024	19:57	LB133968

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Kleinfelder</u>		SDG No.: <u>P5277</u>							
Contract: <u>POWE02</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P5277</u>	SAS No.: <u>P5277</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	12/16/2024	19:57	LB133968
	Zinc	40.0	+/-40.0	U	40.0	P	12/16/2024	19:57	LB133968
CCB05	Aluminum	100	+/-100	U	100	P	12/16/2024	20:53	LB133968
	Antimony	50.0	+/-50.0	U	50.0	P	12/16/2024	20:53	LB133968
	Arsenic	20.0	+/-20.0	U	20.0	P	12/16/2024	20:53	LB133968
	Barium	100	+/-100	U	100	P	12/16/2024	20:53	LB133968
	Beryllium	6.00	+/-6.00	U	6.00	P	12/16/2024	20:53	LB133968
	Boron	100	+/-100	U	100	P	12/16/2024	20:53	LB133968
	Cadmium	6.00	+/-6.00	U	6.00	P	12/16/2024	20:53	LB133968
	Chromium	10.0	+/-10.0	U	10.0	P	12/16/2024	20:53	LB133968
	Cobalt	30.0	+/-30.0	U	30.0	P	12/16/2024	20:53	LB133968
	Copper	20.0	+/-20.0	U	20.0	P	12/16/2024	20:53	LB133968
	Iron	100	+/-100	U	100	P	12/16/2024	20:53	LB133968
	Lead	12.0	+/-12.0	U	12.0	P	12/16/2024	20:53	LB133968
	Manganese	20.0	+/-20.0	U	20.0	P	12/16/2024	20:53	LB133968
	Molybdenum	200	+/-200	U	200	P	12/16/2024	20:53	LB133968
	Nickel	40.0	+/-40.0	U	40.0	P	12/16/2024	20:53	LB133968
	Selenium	20.0	+/-20.0	U	20.0	P	12/16/2024	20:53	LB133968
	Silver	10.0	+/-10.0	U	10.0	P	12/16/2024	20:53	LB133968
	Thallium	40.0	+/-40.0	U	40.0	P	12/16/2024	20:53	LB133968
	Vanadium	40.0	+/-40.0	U	40.0	P	12/16/2024	20:53	LB133968
	Zinc	40.0	+/-40.0	U	40.0	P	12/16/2024	20:53	LB133968
CCB06	Aluminum	100	+/-100	U	100	P	12/16/2024	21:51	LB133968
	Antimony	50.0	+/-50.0	U	50.0	P	12/16/2024	21:51	LB133968
	Arsenic	20.0	+/-20.0	U	20.0	P	12/16/2024	21:51	LB133968
	Barium	100	+/-100	U	100	P	12/16/2024	21:51	LB133968
	Beryllium	6.00	+/-6.00	U	6.00	P	12/16/2024	21:51	LB133968
	Boron	100	+/-100	U	100	P	12/16/2024	21:51	LB133968
	Cadmium	6.00	+/-6.00	U	6.00	P	12/16/2024	21:51	LB133968
	Chromium	10.0	+/-10.0	U	10.0	P	12/16/2024	21:51	LB133968
	Cobalt	30.0	+/-30.0	U	30.0	P	12/16/2024	21:51	LB133968
	Copper	20.0	+/-20.0	U	20.0	P	12/16/2024	21:51	LB133968
	Iron	100	+/-100	U	100	P	12/16/2024	21:51	LB133968
	Lead	12.0	+/-12.0	U	12.0	P	12/16/2024	21:51	LB133968
	Manganese	20.0	+/-20.0	U	20.0	P	12/16/2024	21:51	LB133968
	Molybdenum	200	+/-200	U	200	P	12/16/2024	21:51	LB133968
	Nickel	40.0	+/-40.0	U	40.0	P	12/16/2024	21:51	LB133968
	Selenium	20.0	+/-20.0	U	20.0	P	12/16/2024	21:51	LB133968
	Silver	10.0	+/-10.0	U	10.0	P	12/16/2024	21:51	LB133968

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Kleinfelder</u>		SDG No.: <u>P5277</u>							
Contract: <u>POWE02</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P5277</u>	SAS No.: <u>P5277</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Thallium	40.0	+/-40.0	U	40.0	P	12/16/2024	21:51	LB133968
	Vanadium	40.0	+/-40.0	U	40.0	P	12/16/2024	21:51	LB133968
	Zinc	40.0	+/-40.0	U	40.0	P	12/16/2024	21:51	LB133968
CCB07	Aluminum	100	+/-100	U	100	P	12/16/2024	23:06	LB133968
	Antimony	50.0	+/-50.0	U	50.0	P	12/16/2024	23:06	LB133968
	Arsenic	20.0	+/-20.0	U	20.0	P	12/16/2024	23:06	LB133968
	Barium	100	+/-100	U	100	P	12/16/2024	23:06	LB133968
	Beryllium	6.00	+/-6.00	U	6.00	P	12/16/2024	23:06	LB133968
	Boron	100	+/-100	U	100	P	12/16/2024	23:06	LB133968
	Cadmium	6.00	+/-6.00	U	6.00	P	12/16/2024	23:06	LB133968
	Chromium	10.0	+/-10.0	U	10.0	P	12/16/2024	23:06	LB133968
	Cobalt	30.0	+/-30.0	U	30.0	P	12/16/2024	23:06	LB133968
	Copper	20.0	+/-20.0	U	20.0	P	12/16/2024	23:06	LB133968
	Iron	100	+/-100	U	100	P	12/16/2024	23:06	LB133968
	Lead	12.0	+/-12.0	U	12.0	P	12/16/2024	23:06	LB133968
	Manganese	20.0	+/-20.0	U	20.0	P	12/16/2024	23:06	LB133968
	Molybdenum	200	+/-200	U	200	P	12/16/2024	23:06	LB133968
	Nickel	40.0	+/-40.0	U	40.0	P	12/16/2024	23:06	LB133968
	Selenium	20.0	+/-20.0	U	20.0	P	12/16/2024	23:06	LB133968
	Silver	10.0	+/-10.0	U	10.0	P	12/16/2024	23:06	LB133968
	Thallium	40.0	+/-40.0	U	40.0	P	12/16/2024	23:06	LB133968
	Vanadium	40.0	+/-40.0	U	40.0	P	12/16/2024	23:06	LB133968
	Zinc	40.0	+/-40.0	U	40.0	P	12/16/2024	23:06	LB133968
CCB08	Aluminum	100	+/-100	U	100	P	12/16/2024	23:39	LB133968
	Antimony	50.0	+/-50.0	U	50.0	P	12/16/2024	23:39	LB133968
	Arsenic	20.0	+/-20.0	U	20.0	P	12/16/2024	23:39	LB133968
	Barium	100	+/-100	U	100	P	12/16/2024	23:39	LB133968
	Beryllium	6.00	+/-6.00	U	6.00	P	12/16/2024	23:39	LB133968
	Boron	100	+/-100	U	100	P	12/16/2024	23:39	LB133968
	Cadmium	6.00	+/-6.00	U	6.00	P	12/16/2024	23:39	LB133968
	Chromium	10.0	+/-10.0	U	10.0	P	12/16/2024	23:39	LB133968
	Cobalt	30.0	+/-30.0	U	30.0	P	12/16/2024	23:39	LB133968
	Copper	20.0	+/-20.0	U	20.0	P	12/16/2024	23:39	LB133968
	Iron	100	+/-100	U	100	P	12/16/2024	23:39	LB133968
	Lead	12.0	+/-12.0	U	12.0	P	12/16/2024	23:39	LB133968
	Manganese	20.0	+/-20.0	U	20.0	P	12/16/2024	23:39	LB133968
	Molybdenum	200	+/-200	U	200	P	12/16/2024	23:39	LB133968
	Nickel	40.0	+/-40.0	U	40.0	P	12/16/2024	23:39	LB133968
	Selenium	20.0	+/-20.0	U	20.0	P	12/16/2024	23:39	LB133968

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P5277
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5277 **SAS No.:** P5277

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Silver	10.0	+/-10.0	U	10.0	P	12/16/2024	23:39	LB133968
	Thallium	40.0	+/-40.0	U	40.0	P	12/16/2024	23:39	LB133968
	Vanadium	40.0	+/-40.0	U	40.0	P	12/16/2024	23:39	LB133968
	Zinc	40.0	+/-40.0	U	40.0	P	12/16/2024	23:39	LB133968

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Kleinfelder

SDG No.: P5277

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB165653BL		SOLID		Batch Number:	PB165653		Prep Date:	12/16/2024	
	Mercury	0.013	<0.013	U	0.013	CV	12/16/2024	12:59	LB133960

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Kleinfelder

SDG No.: P5277

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB165640BL	SOLID			Batch Number:	PB165640		Prep Date:	12/13/2024	
	Aluminum	4.95	<4.95	U	4.95	P	12/16/2024	17:36	LB133968
	Antimony	2.48	<2.48	U	2.48	P	12/16/2024	17:36	LB133968
	Arsenic	0.99	<0.99	U	0.99	P	12/16/2024	17:36	LB133968
	Barium	4.95	<4.95	U	4.95	P	12/16/2024	17:36	LB133968
	Beryllium	0.30	<0.30	U	0.30	P	12/16/2024	17:36	LB133968
	Boron	4.95	<4.95	U	4.95	P	12/16/2024	17:36	LB133968
	Cadmium	0.30	<0.30	U	0.30	P	12/16/2024	17:36	LB133968
	Chromium	0.50	<0.50	U	0.50	P	12/16/2024	17:36	LB133968
	Cobalt	1.49	<1.49	U	1.49	P	12/16/2024	17:36	LB133968
	Copper	0.99	<0.99	U	0.99	P	12/16/2024	17:36	LB133968
	Iron	4.95	<4.95	U	4.95	P	12/16/2024	17:36	LB133968
	Lead	0.59	<0.59	U	0.59	P	12/16/2024	17:36	LB133968
	Manganese	0.99	<0.99	U	0.99	P	12/16/2024	17:36	LB133968
	Molybdenum	9.90	<9.90	U	9.90	P	12/16/2024	17:36	LB133968
	Nickel	1.98	<1.98	U	1.98	P	12/16/2024	17:36	LB133968
	Selenium	0.99	<0.99	U	0.99	P	12/16/2024	17:36	LB133968
	Silver	0.50	<0.50	U	0.50	P	12/16/2024	17:36	LB133968
	Thallium	1.98	<1.98	U	1.98	P	12/16/2024	17:36	LB133968
	Vanadium	1.98	<1.98	U	1.98	P	12/16/2024	17:36	LB133968
	Zinc	1.98	<1.98	U	1.98	P	12/16/2024	17:36	LB133968

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Kleinfelder **SDG No.:** P5277
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5277 **SAS No.:** P5277
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	260000	255000	102	216000	294000	12/16/2024	16:19	LB133968
	Antimony	-2.84			-50	50	12/16/2024	16:19	LB133968
	Arsenic	-0.59			-20	20	12/16/2024	16:19	LB133968
	Barium	3.44	6.0	57	-94	106	12/16/2024	16:19	LB133968
	Beryllium	2.17			-6	6	12/16/2024	16:19	LB133968
	Boron	2.88	1000		-100	100	12/16/2024	16:19	LB133968
	Cadmium	0.76	1.0	76	-5	7	12/16/2024	16:19	LB133968
	Chromium	56.2	52.0	108	42	62	12/16/2024	16:19	LB133968
	Cobalt	2.10			-30	30	12/16/2024	16:19	LB133968
	Copper	-13.8	2.0	690	-18	22	12/16/2024	16:19	LB133968
	Iron	100000	101000	99	85600	116500	12/16/2024	16:19	LB133968
	Lead	9.55			-12	12	12/16/2024	16:19	LB133968
	Manganese	-0.46	7.0	6	-13	27	12/16/2024	16:19	LB133968
	Molybdenum	0.38	1000		-200	200	12/16/2024	16:19	LB133968
	Nickel	2.40	2.0	120	-38	42	12/16/2024	16:19	LB133968
	Selenium	-16.7			-20	20	12/16/2024	16:19	LB133968
	Silver	-6.96			-10	10	12/16/2024	16:19	LB133968
	Thallium	-9.72			-40	40	12/16/2024	16:19	LB133968
	Vanadium	5.91			-40	40	12/16/2024	16:19	LB133968
	Zinc	4.52			-40	40	12/16/2024	16:19	LB133968
ICSAB01	Aluminum	254000	247000	103	209000	285000	12/16/2024	16:53	LB133968
	Antimony	584	618	94	525	711	12/16/2024	16:53	LB133968
	Arsenic	107	104	103	88.4	120	12/16/2024	16:53	LB133968
	Barium	514	537	96	437	637	12/16/2024	16:53	LB133968
	Beryllium	533	495	108	420	570	12/16/2024	16:53	LB133968
	Boron	887	1000	89	850	1150	12/16/2024	16:53	LB133968
	Cadmium	1010	972	104	826	1120	12/16/2024	16:53	LB133968
	Chromium	561	542	104	460	624	12/16/2024	16:53	LB133968
	Cobalt	503	476	106	404	548	12/16/2024	16:53	LB133968
	Copper	460	511	90	434	588	12/16/2024	16:53	LB133968
	Iron	97300	99300	98	84400	114500	12/16/2024	16:53	LB133968
	Lead	55.9	49.0	114	37	61	12/16/2024	16:53	LB133968
	Manganese	504	507	99	430	584	12/16/2024	16:53	LB133968
	Molybdenum	928	1000	93	850	1150	12/16/2024	16:53	LB133968
	Nickel	989	954	104	810	1100	12/16/2024	16:53	LB133968
	Selenium	36.8	46.0	80	26	66	12/16/2024	16:53	LB133968
	Silver	189	201	94	170	232	12/16/2024	16:53	LB133968
	Thallium	81.3	108	75	68	148	12/16/2024	16:53	LB133968
	Vanadium	500	491	102	417	565	12/16/2024	16:53	LB133968
	Zinc	1060	952	111	809	1095	12/16/2024	16:53	LB133968



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Kleinfelder</u>	level: <u>low</u>	sdg no.: <u>P5277</u>
contract: <u>POWE02</u>	lab code: <u>CHEM</u>	case no.: <u>P5277</u> sas no.: <u>P5277</u>
matrix: <u>Solid</u>	sample id: <u>P5277-03</u>	client id: <u>COMP-3AMS</u>
Percent Solids for Sample: 89.9	Spiked ID: P5277-03MS	Percent Solids for Spike Sample: 89.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.23		0.013	U	0.28	80		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** P5277
contract: POWE02 **lab code:** CHEM **case no.:** P5277 **sas no.:** P5277
matrix: Solid **sample id:** P5277-03 **client id:** COMP-3AMSD
Percent Solids for Sample: 89.9 **Spiked ID:** P5277-03MSD **Percent Solids for Spike Sample:** 89.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.26		0.013	U	0.28	92		CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Kleinfelder</u>	level: <u>low</u>	sdg no.: <u>P5277</u>
contract: <u>POWE02</u>	lab code: <u>CHEM</u>	case no.: <u>P5277</u> sas no.: <u>P5277</u>
matrix: <u>Solid</u>	sample id: <u>P5279-01</u>	client id: <u>ROCKAWAY-PARKMS</u>
Percent Solids for Sample: 93.6	Spiked ID: P5279-01MS	Percent Solids for Spike Sample: 93.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	642		599		87.9	48		P
Antimony	mg/Kg	75 - 125	64.0		0.34	J	35.2	181	N	P
Arsenic	mg/Kg	75 - 125	35.6		3.91		35.2	90		P
Barium	mg/Kg	75 - 125	24.6		17.5		8.8	81		P
Beryllium	mg/Kg	75 - 125	9.67		0.23	J	8.8	107		P
Boron	mg/Kg	75 - 125	10.0		4.71	U	13.2	76		P
Cadmium	mg/Kg	75 - 125	9.12		0.62		8.8	97		P
Chromium	mg/Kg	75 - 125	21.9		4.49		17.6	99		P
Cobalt	mg/Kg	75 - 125	9.98		1.45		8.8	97		P
Copper	mg/Kg	75 - 125	33.9		23.1		13.2	82		P
Iron	mg/Kg	75 - 125	5580		5990		130	-316		P
Lead	mg/Kg	75 - 125	109		72.8		44.0	82		P
Manganese	mg/Kg	75 - 125	38.3		31.7		8.8	75		P
Molybdenum	mg/Kg	75 - 125	34.2		0.52	J	17.6	191	N	P
Nickel	mg/Kg	75 - 125	25.9		4.58		22.0	97		P
Selenium	mg/Kg	75 - 125	75.6		0.94	U	87.9	86		P
Silver	mg/Kg	75 - 125	2.83		0.47	U	3.3	86		P
Thallium	mg/Kg	75 - 125	80.1		1.88	U	87.9	91		P
Vanadium	mg/Kg	75 - 125	18.6		5.72		13.2	98		P
Zinc	mg/Kg	75 - 125	126		128		8.8	-29		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Kleinfelder</u>	level:	<u>low</u>	sdg no.:	<u>P5277</u>
contract:	<u>POWE02</u>	lab code:	<u>CHEM</u>	case no.:	<u>P5277</u>
matrix:	<u>Solid</u>	sample id:	<u>P5279-01</u>	client id:	<u>ROCKAWAY-PARKMSD</u>
Percent Solids for Sample:	93.6	Spiked ID:	P5279-01MSD	Percent Solids for Spike Sample:	93.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	751		599		100	151		P
Antimony	mg/Kg	75 - 125	74.4		0.34	J	40.1	185	N	P
Arsenic	mg/Kg	75 - 125	41.2		3.91		40.1	93		P
Barium	mg/Kg	75 - 125	28.5		17.5		10.0	110		P
Beryllium	mg/Kg	75 - 125	10.9		0.23	J	10.0	107		P
Boron	mg/Kg	75 - 125	11.2		4.71	U	15.0	75	N	P
Cadmium	mg/Kg	75 - 125	10.4		0.62		10.0	98		P
Chromium	mg/Kg	75 - 125	25.2		4.49		20.1	103		P
Cobalt	mg/Kg	75 - 125	11.4		1.45		10.0	100		P
Copper	mg/Kg	75 - 125	38.9		23.1		15.0	105		P
Iron	mg/Kg	75 - 125	6490		5990		150	330		P
Lead	mg/Kg	75 - 125	125		72.8		50.2	103		P
Manganese	mg/Kg	75 - 125	44.0		31.7		10.0	123		P
Molybdenum	mg/Kg	75 - 125	39.7		0.52	J	20.1	195	N	P
Nickel	mg/Kg	75 - 125	29.6		4.58		25.1	100		P
Selenium	mg/Kg	75 - 125	87.4		0.94	U	100	87		P
Silver	mg/Kg	75 - 125	3.27		0.47	U	3.8	86		P
Thallium	mg/Kg	75 - 125	92.4		1.88	U	100	92		P
Vanadium	mg/Kg	75 - 125	21.4		5.72		15.0	105		P
Zinc	mg/Kg	75 - 125	146		128		10.0	181		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Kleinfelder **SDG No.:** P5277
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5277 **SAS No.:** P5277
Matrix: Solid **Level:** LOW **Client ID:** ROCKAWAY-PARKA
Sample ID: P5279-01 **Spiked ID:** P5279-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	68.8		0.34	J	37.7	182		P
Boron	mg/Kg	75 - 125	10.6		4.71	U	14.1	75		P
Molybdenum	mg/Kg	75 - 125	37.0		0.52	J	18.8	194		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: <u>Kleinfelder</u>	Level: <u>LOW</u>	SDG No.: <u>P5277</u>
Contract: <u>POWE02</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P5277</u> SAS No.: <u>P5277</u>
Matrix: <u>Solid</u>	Sample ID: <u>P5277-03</u>	Client ID: <u>COMP-3ADUP</u>
Percent Solids for Sample: 89.9	Duplicate ID P5277-03DUP	Percent Solids for Spike Sample: 89.9

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

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Kleinfelder</u>	Level:	<u>LOW</u>	SDG No.:	<u>P5277</u>
Contract:	<u>POWE02</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P5277</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>P5277-03MS</u>	Client ID:	<u>COMP-3AMSD</u>
Percent Solids for Sample:	89.9	Duplicate ID	P5277-03MSD	Percent Solids for Spike Sample:	89.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.23		0.26		14		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Kleinfelder **Level:** LOW **SDG No.:** P5277
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5277 **SAS No.:** P5277
Matrix: Solid **Sample ID:** P5279-01 **Client ID:** ROCKAWAY-PARKDUP
Percent Solids for Sample: 93.6 **Duplicate ID** P5279-01DUP **Percent Solids for Spike Sample:** 93.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	599		624		4		P
Antimony	mg/Kg	20	0.34	J	0.35	J	1		P
Arsenic	mg/Kg	20	3.91		4.13		5		P
Barium	mg/Kg	20	17.5		17.9		2		P
Beryllium	mg/Kg	20	0.23	J	0.24	J	1		P
Boron	mg/Kg	20	4.71	U	4.83	U			P
Cadmium	mg/Kg	20	0.62		0.65		5		P
Chromium	mg/Kg	20	4.49		4.67		4		P
Cobalt	mg/Kg	20	1.45		1.53		5		P
Copper	mg/Kg	20	23.1		24.2		5		P
Iron	mg/Kg	20	5990		6250		4		P
Lead	mg/Kg	20	72.8		76.5		5		P
Manganese	mg/Kg	20	31.7		32.8		3		P
Molybdenum	mg/Kg	20	0.52	J	0.56	J	7		P
Nickel	mg/Kg	20	4.58		4.81		5		P
Selenium	mg/Kg	20	0.94	U	0.97	U			P
Silver	mg/Kg	20	0.47	U	0.48	U			P
Thallium	mg/Kg	20	1.88	U	1.93	U			P
Vanadium	mg/Kg	20	5.72		6.02		5		P
Zinc	mg/Kg	20	128		134		5		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Kleinfelder **Level:** LOW **SDG No.:** P5277
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5277 **SAS No.:** P5277
Matrix: Solid **Sample ID:** P5279-01MS **Client ID:** ROCKAWAY-PARKMSD
Percent Solids for Sample: 93.6 **Duplicate ID** P5279-01MSD **Percent Solids for Spike Sample:** 93.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	642		751		16		P
Antimony	mg/Kg	20	64.0		74.4		15		P
Arsenic	mg/Kg	20	35.6		41.2		15		P
Barium	mg/Kg	20	24.6		28.5		15		P
Beryllium	mg/Kg	20	9.67		10.9		12		P
Boron	mg/Kg	20	10.0		11.2		11		P
Cadmium	mg/Kg	20	9.12		10.4		13		P
Chromium	mg/Kg	20	21.9		25.2		14		P
Cobalt	mg/Kg	20	9.98		11.4		13		P
Copper	mg/Kg	20	33.9		38.9		14		P
Iron	mg/Kg	20	5580		6490		15		P
Lead	mg/Kg	20	109		125		14		P
Manganese	mg/Kg	20	38.3		44.0		14		P
Molybdenum	mg/Kg	20	34.2		39.7		15		P
Nickel	mg/Kg	20	25.9		29.6		13		P
Selenium	mg/Kg	20	75.6		87.4		14		P
Silver	mg/Kg	20	2.83		3.27		14		P
Thallium	mg/Kg	20	80.1		92.4		14		P
Vanadium	mg/Kg	20	18.6		21.4		14		P
Zinc	mg/Kg	20	126		146		15		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Kleinfelder **SDG No.:** P5277
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5277 **SAS No.:** P5277

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165640BS							
Aluminum	mg/Kg	99.0	95.8		97	80 - 120	P
Antimony	mg/Kg	39.6	35.7		90	80 - 120	P
Arsenic	mg/Kg	39.6	35.7		90	80 - 120	P
Barium	mg/Kg	9.9	9.50		96	80 - 120	P
Beryllium	mg/Kg	9.9	11.4		115	80 - 120	P
Boron	mg/Kg	14.9	15.6		105	80 - 120	P
Cadmium	mg/Kg	9.9	9.72		98	80 - 120	P
Chromium	mg/Kg	19.8	20.5		104	80 - 120	P
Cobalt	mg/Kg	9.9	9.73		98	80 - 120	P
Copper	mg/Kg	14.9	14.7		99	80 - 120	P
Iron	mg/Kg	150	140		93	80 - 120	P
Lead	mg/Kg	49.5	48.5		98	80 - 120	P
Manganese	mg/Kg	9.9	10.4		105	80 - 120	P
Molybdenum	mg/Kg	19.8	18.8		95	80 - 120	P
Nickel	mg/Kg	24.8	24.5		99	80 - 120	P
Selenium	mg/Kg	99.0	89.3		90	80 - 120	P
Silver	mg/Kg	3.7	3.70		100	80 - 120	P
Thallium	mg/Kg	99.0	97.5		98	80 - 120	P
Vanadium	mg/Kg	14.9	15.1		101	80 - 120	P
Zinc	mg/Kg	9.9	9.76		99	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Kleinfelder **SDG No.:** P5277
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5277 **SAS No.:** P5277

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165653BS Mercury	mg/Kg	0.25	0.20		81	80 - 120	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

COMP-3AL

Lab Name: Chemtech Consulting Group **Contract:** POWE02
Lab Code: CHEM **Lb No.:** lb133960 **Lab Sample ID :** P5277-03L **SDG No.:** P5277
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	0.013 U	0.066 U			CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

ROCKAWAY-PARKL

Lab Name: Chemtech Consulting Group **Contract:** POWE02
Lab Code: CHEM **Lb No.:** lb133968 **Lab Sample ID :** P5279-01L **SDG No.:** P5277
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	599		616		3		P
Antimony	0.34	J	11.8	U	100.0		P
Arsenic	3.91		3.30	J	16		P
Barium	17.5		18.2	J	4		P
Beryllium	0.23	J	0.25	J	8		P
Boron	4.71	U	23.5	U			P
Cadmium	0.62		0.57	J	6		P
Chromium	4.49		4.83		8		P
Cobalt	1.45		1.49	J	3		P
Copper	23.1		24.7		7		P
Iron	5990		6110		2		P
Lead	72.8		77.2		6		P
Manganese	31.7		32.7		3		P
Molybdenum	0.52	J	47.1	U	100.0		P
Nickel	4.58		4.65	J	1		P
Selenium	0.94	U	4.71	U			P
Silver	0.47	U	2.35	U			P
Thallium	1.88	U	9.41	U			P
Vanadium	5.72		6.01	J	5		P
Zinc	128		135		5		P



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Kleinfelder

SDG No.: P5277

Contract: POWE02

Lab Code: CHEM

Case No.: P5277

SAS No.: P5277

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
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

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ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder

SDG No.: P5277

Contract: POWE02

Lab Code: CHEM

Case No.: P5277

SAS No.: P5277

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

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ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder

SDG No.: P5277

Contract: POWE02

Lab Code: CHEM

Case No.: P5277

SAS No.: P5277

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

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ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder

SDG No.: P5277

Contract: POWE02

Lab Code: CHEM

Case No.: P5277

SAS No.: P5277

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

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ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder

SDG No.: P5277

Contract: POWE02

Lab Code: CHEM

Case No.: P5277

SAS No.: P5277

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

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SAMPLE PREPARATION SUMMARY

Client:	<u>Kleinfelder</u>	SDG No.:	<u>P5277</u>
Contract:	<u>POWE02</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>P5277</u>
		SAS No.:	<u>P5277</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB165640							
P5277-01	COMP-1A	SAM	SOLID	12/13/2024	2.10	100.0	88.50
P5277-02	COMP-2A	SAM	SOLID	12/13/2024	2.39	100.0	78.90
P5277-03	COMP-3A	SAM	SOLID	12/13/2024	2.45	100.0	89.90
P5279-01DUP	ROCKAWAY-PARKDUP	DUP	SOLID	12/13/2024	2.21	100.0	93.60
P5279-01MS	ROCKAWAY-PARKMS	MS	SOLID	12/13/2024	2.43	100.0	93.60
P5279-01MSD	ROCKAWAY-PARKMSD	MSD	SOLID	12/13/2024	2.13	100.0	93.60
PB165640BL	PB165640BL	MB	SOLID	12/13/2024	2.02	100.0	100.00
PB165640BS	PB165640BS	LCS	SOLID	12/13/2024	2.02	100.0	100.00

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SAMPLE PREPARATION SUMMARY

Client:	<u>Kleinfelder</u>	SDG No.:	<u>P5277</u>
Contract:	<u>POWE02</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>P5277</u>
		SAS No.:	<u>P5277</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB165653							
P5277-01	COMP-1A	SAM	SOLID	12/16/2024	0.51	35.0	88.50
P5277-02	COMP-2A	SAM	SOLID	12/16/2024	0.57	35.0	78.90
P5277-03	COMP-3A	SAM	SOLID	12/16/2024	0.59	35.0	89.90
P5277-03DUP	COMP-3ADUP	DUP	SOLID	12/16/2024	0.58	35.0	89.90
P5277-03MS	COMP-3AMS	MS	SOLID	12/16/2024	0.56	35.0	89.90
P5277-03MSD	COMP-3AMSD	MSD	SOLID	12/16/2024	0.56	35.0	89.90
PB165653BL	PB165653BL	MB	SOLID	12/16/2024	0.55	35.0	100.00
PB165653BS	PB165653BS	LCS	SOLID	12/16/2024	0.56	35.0	100.00

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ANALYSIS RUN LOG

Client: Kleinfelder **Contract:** POWE02

Lab code: CHEM **Case no.:** P5277 **Sas no.:** P5277 **Sdg no.:** P5277

Instrument id number: **Method:** **Run number:** LB133960

Start date: 12/16/2024 **End date:** 12/16/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1110	HG
S0.2	S0.2	1	1112	HG
S2.5	S2.5	1	1115	HG
S5	S5	1	1117	HG
S7.5	S7.5	1	1119	HG
S10	S10	1	1130	HG
ICV19	ICV19	1	1140	HG
ICB19	ICB19	1	1145	HG
CCV29	CCV29	1	1151	HG
CCB29	CCB29	1	1155	HG
CRA	CRA	1	1211	HG
PB165653BL	PB165653BL	1	1259	HG
PB165653BS	PB165653BS	1	1304	HG
P5277-01	COMP-1A	1	1412	HG
P5277-02	COMP-2A	1	1414	HG
P5277-03	COMP-3A	1	1416	HG
CCV30	CCV30	1	1419	HG
CCB30	CCB30	1	1424	HG
P5277-03DUP	COMP-3ADUP	1	1428	HG
P5277-03MS	COMP-3AMS	1	1431	HG
P5277-03MSD	COMP-3AMSD	1	1436	HG
P5277-03L	COMP-3AL	5	1458	HG
CCV31	CCV31	1	1526	HG
CCB31	CCB31	1	1528	HG

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ANALYSIS RUN LOG

Client: Kleinfelder **Contract:** POWE02

Lab code: CHEM **Case no.:** P5277 **Sas no.:** P5277 **Sdg no.:** P5277

Instrument id number: **Method:** **Run number:** LB133968

Start date: 12/16/2024 **End date:** 12/16/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1536	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1540	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1545	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1549	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1553	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1557	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1602	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1606	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1610	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1614	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1619	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1653	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1657	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1701	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
PB165640BL	PB165640BL	1	1736	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1758	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1802	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1848	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1852	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P5277-01	COMP-1A	1	1915	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P5277-02	COMP-2A	1	1919	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P5277-03	COMP-3A	1	1924	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P5279-01DUP	ROCKAWAY-PARKDUP	1	1932	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P5279-01L	ROCKAWAY-PARKL	5	1937	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P5279-01MS	ROCKAWAY-PARKMS	1	1941	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1951	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1957	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P5279-01MSD	ROCKAWAY-PARKMSD	1	2001	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P5279-01A	ROCKAWAY-PARKA	1	2005	B,Mo,Sb
CCV05	CCV05	1	2049	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	2053	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	2147	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	2151	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
PB165640BS	PB165640BS	1	2234	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	2302	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	2306	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	2335	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	2339	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn