

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** Q1903
contract: POWE02 **lab code:** CHEM **case no.:** Q1903 **sas no.:** Q1903
matrix: Solid **sample id:** Q1901-02 **client id:** B-167-SB01MS
Percent Solids for Sample: 82.6 **Spiked ID:** Q1901-02MS **Percent Solids for Spike Sample:** 82.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.34		0.039		0.33	90		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** Q1903
contract: POWE02 **lab code:** CHEM **case no.:** Q1903 **sas no.:** Q1903
matrix: Solid **sample id:** Q1901-02 **client id:** B-167-SB01MSD
Percent Solids for Sample: 82.6 **Spiked ID:** Q1901-02MSD **Percent Solids for Spike Sample:** 82.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.31		0.039		0.3	92		CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** Q1903
contract: POWE02 **lab code:** CHEM **case no.:** Q1903 **sas no.:** Q1903
matrix: Solid **sample id:** Q1902-02 **client id:** 343MS
Percent Solids for Sample: 90.3 **Spiked ID:** Q1902-02MS **Percent Solids for Spike Sample:** 90.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	8240		6010		100	2229		P
Antimony	mg/Kg	75 - 125	14.9		2.38	U	42.0	36	N	P
Arsenic	mg/Kg	75 - 125	39.6		2.97		42.0	87		P
Barium	mg/Kg	75 - 125	58.6		44.1		10.5	138		P
Beryllium	mg/Kg	75 - 125	10.3		0.40		10.5	95		P
Boron	mg/Kg	75 - 125	6.04		4.34	J	15.7	11	N	P
Cadmium	mg/Kg	75 - 125	11.0		0.28	U	10.5	104		P
Chromium	mg/Kg	75 - 125	33.0		10.6		21.0	107		P
Cobalt	mg/Kg	75 - 125	16.6		5.01		10.5	110		P
Copper	mg/Kg	75 - 125	28.0		11.1		15.7	107		P
Iron	mg/Kg	75 - 125	12800		11500		160	851		P
Lead	mg/Kg	75 - 125	93.6		32.1		52.5	117		P
Manganese	mg/Kg	75 - 125	306		278		10.5	271		P
Molybdenum	mg/Kg	75 - 125	18.4		9.51	U	21.0	88		P
Nickel	mg/Kg	75 - 125	38.4		9.50		26.2	110		P
Selenium	mg/Kg	75 - 125	84.8		0.25	J	100	85		P
Silver	mg/Kg	75 - 125	3.56		0.19	J	3.9	86		P
Thallium	mg/Kg	75 - 125	103		0.24	J	100	103		P
Vanadium	mg/Kg	75 - 125	31.2		14.5		15.7	107		P
Zinc	mg/Kg	75 - 125	71.3		47.4		10.5	227		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** Q1903
contract: POWE02 **lab code:** CHEM **case no.:** Q1903 **sas no.:** Q1903
matrix: Solid **sample id:** Q1902-02 **client id:** 343MSD
Percent Solids for Sample: 90.3 **Spiked ID:** Q1902-02MSD **Percent Solids for Spike Sample:** 90.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	6230		6010		91.9	239		P
Antimony	mg/Kg	75 - 125	14.0		2.38	U	36.8	38	N	P
Arsenic	mg/Kg	75 - 125	34.9		2.97		36.8	87		P
Barium	mg/Kg	75 - 125	55.3		44.1		9.2	122		P
Beryllium	mg/Kg	75 - 125	8.37		0.40		9.2	87		P
Boron	mg/Kg	75 - 125	13.6		4.34	J	13.8	67	N	P
Cadmium	mg/Kg	75 - 125	9.35		0.28	U	9.2	102		P
Chromium	mg/Kg	75 - 125	27.8		10.6		18.4	93		P
Cobalt	mg/Kg	75 - 125	14.2		5.01		9.2	100		P
Copper	mg/Kg	75 - 125	21.7		11.1		13.8	77		P
Iron	mg/Kg	75 - 125	11300		11500		140	-161		P
Lead	mg/Kg	75 - 125	74.8		32.1		46.0	93		P
Manganese	mg/Kg	75 - 125	331		278		9.2	585		P
Molybdenum	mg/Kg	75 - 125	16.4		9.51	U	18.4	89		P
Nickel	mg/Kg	75 - 125	33.2		9.50		23.0	103		P
Selenium	mg/Kg	75 - 125	75.6		0.25	J	91.9	82		P
Silver	mg/Kg	75 - 125	3.26		0.19	J	3.4	90		P
Thallium	mg/Kg	75 - 125	90.5		0.24	J	91.9	98		P
Vanadium	mg/Kg	75 - 125	25.9		14.5		13.8	82		P
Zinc	mg/Kg	75 - 125	53.7		47.4		9.2	68		P