

metals
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MATRIX SPIKE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** P5382
contract: POWE02 **lab code:** CHEM **case no.:** P5382 **sas no.:** P5382
matrix: Solid **sample id:** P5362-01 **client id:** WC-SOIL-20241219MS
Percent Solids for Sample: 92 **Spiked ID:** P5362-01MS **Percent Solids for Spike Sample:** 92

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	3740		3630		99.3	111		P
Antimony	mg/Kg	75 - 125	13.7		2.47	U	39.7	34	N	P
Arsenic	mg/Kg	75 - 125	32.8		2.08		39.7	77		P
Barium	mg/Kg	75 - 125	30.7		24.4		9.9	63	N	P
Beryllium	mg/Kg	75 - 125	7.99		0.35		9.9	77		P
Boron	mg/Kg	75 - 125	15.0		5.94		14.9	61	N	P
Cadmium	mg/Kg	75 - 125	8.74		0.30	U	9.9	88		P
Chromium	mg/Kg	75 - 125	25.0		9.17		19.9	80		P
Cobalt	mg/Kg	75 - 125	14.2		6.02		9.9	82		P
Copper	mg/Kg	75 - 125	178		226		14.9	-324		P
Iron	mg/Kg	75 - 125	8220		9420		150	-798		P
Lead	mg/Kg	75 - 125	237		231		49.6	11		P
Manganese	mg/Kg	75 - 125	80.2		80.9		9.9	-7		P
Molybdenum	mg/Kg	75 - 125	15.3		0.44	J	19.9	75		P
Nickel	mg/Kg	75 - 125	39.3		18.9		24.8	82		P
Selenium	mg/Kg	75 - 125	68.9		0.99	U	99.3	69	N	P
Silver	mg/Kg	75 - 125	2.36		0.49	U	3.7	64	N	P
Thallium	mg/Kg	75 - 125	83.6		1.98	U	99.3	84		P
Vanadium	mg/Kg	75 - 125	27.7		17.7		14.9	67	N	P
Zinc	mg/Kg	75 - 125	223		236		9.9	-133		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** P5382
contract: POWE02 **lab code:** CHEM **case no.:** P5382 **sas no.:** P5382
matrix: Solid **sample id:** P5362-01 **client id:** WC-SOIL-20241219MSD
Percent Solids for Sample: 92 **Spiked ID:** P5362-01MSD **Percent Solids for Spike Sample:** 92

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	3850		3630		100	224		P
Antimony	mg/Kg	75 - 125	13.7		2.47	U	41.0	33	N	P
Arsenic	mg/Kg	75 - 125	33.1		2.08		41.0	76		P
Barium	mg/Kg	75 - 125	32.2		24.4		10.3	76		P
Beryllium	mg/Kg	75 - 125	8.17		0.35		10.3	76		P
Boron	mg/Kg	75 - 125	15.8		5.94		15.4	64	N	P
Cadmium	mg/Kg	75 - 125	8.78		0.30	U	10.3	85		P
Chromium	mg/Kg	75 - 125	25.7		9.17		20.5	81		P
Cobalt	mg/Kg	75 - 125	14.4		6.02		10.3	82		P
Copper	mg/Kg	75 - 125	180		226		15.4	-299		P
Iron	mg/Kg	75 - 125	8620		9420		150	-531		P
Lead	mg/Kg	75 - 125	241		231		51.3	19		P
Manganese	mg/Kg	75 - 125	83.6		80.9		10.3	27		P
Molybdenum	mg/Kg	75 - 125	15.7		0.44	J	20.5	75		P
Nickel	mg/Kg	75 - 125	39.9		18.9		25.6	82		P
Selenium	mg/Kg	75 - 125	68.6		0.99	U	100	69	N	P
Silver	mg/Kg	75 - 125	2.46		0.49	U	3.8	65	N	P
Thallium	mg/Kg	75 - 125	85.0		1.98	U	100	85		P
Vanadium	mg/Kg	75 - 125	28.8		17.7		15.4	72	N	P
Zinc	mg/Kg	75 - 125	230		236		10.3	-56		P

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MATRIX SPIKE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** P5382
contract: POWE02 **lab code:** CHEM **case no.:** P5382 **sas no.:** P5382
matrix: Solid **sample id:** P5382-01 **client id:** COMP-1MS
Percent Solids for Sample: 82.8 **Spiked ID:** P5382-01MS **Percent Solids for Spike Sample:** 82.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.44		0.18		0.31	84		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Kleinfelder</u>	level:	<u>low</u>	sdg no.:	<u>P5382</u>	
contract:	<u>POWE02</u>	lab code:	<u>CHEM</u>	case no.:	<u>P5382</u>	sas no.: <u>P5382</u>
matrix:	<u>Solid</u>	sample id:	<u>P5382-01</u>	client id:	<u>COMP-1MSD</u>	
Percent Solids for Sample:	82.8	Spiked ID:	<u>P5382-01MSD</u>	Percent Solids for Spike Sample:	82.8	

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.48		0.18		0.31	95		CV