

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** Q3341
contract: POWE02 **lab code:** ACE
matrix: Solid **sample id:** Q3343-01 **client id:** SOIL-ROLLOFF-WC-1MS
Percent Solids for Sample: 90.3 **Spiked ID:** Q3343-01MS **Percent Solids for Spike Sample:** 90.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.47		0.24		0.27	86		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Kleinfelder</u>	level: <u>low</u>	sdg no.: <u>Q3341</u>
contract: <u>POWE02</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q3343-01</u>	client id: <u>SOIL-ROLLOFF-WC-1MSD</u>
Percent Solids for Sample: 90.3	Spiked ID: Q3343-01MSD	Percent Solids for Spike Sample: 90.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.48		0.24		0.27	89		CV

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MATRIX SPIKE SUMMARY

client: <u>Kleinfelder</u>	level: <u>low</u>	sdg no.: <u>Q3341</u>
contract: <u>POWE02</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q3345-03</u>	client id: <u>2ND-STREET-SOILMS</u>
Percent Solids for Sample: 87.5	Spiked ID: Q3345-03MS	Percent Solids for Spike Sample: 87.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5160		4210		110	863		P
Antimony	mg/Kg	75 - 125	22.0		2.46	U	42.7	52	N	P
Arsenic	mg/Kg	75 - 125	38.3		1.82		42.7	85		P
Barium	mg/Kg	75 - 125	37.3		22.4		10.7	139	N	P
Beryllium	mg/Kg	75 - 125	10.2		0.27	J	10.7	93		P
Boron	mg/Kg	75 - 125	21.3		4.46	J	16.0	106		P
Cadmium	mg/Kg	75 - 125	10.0		0.22	J	10.7	92		P
Chromium	mg/Kg	75 - 125	28.0		7.65		21.4	95		P
Cobalt	mg/Kg	75 - 125	15.2		3.12		10.7	113		P
Copper	mg/Kg	75 - 125	24.6		8.27		16.0	102		P
Iron	mg/Kg	75 - 125	7510		6900		160	381		P
Lead	mg/Kg	75 - 125	58.6		11.6		53.4	88		P
Manganese	mg/Kg	75 - 125	90.2		55.2		10.7	327		P
Molybdenum	mg/Kg	75 - 125	19.3		9.85	U	21.4	90		P
Nickel	mg/Kg	75 - 125	32.8		6.78		26.7	97		P
Selenium	mg/Kg	75 - 125	87.9		0.99	U	110	80		P
Silver	mg/Kg	75 - 125	2.51		0.49	U	4.0	63	N	P
Thallium	mg/Kg	75 - 125	100		1.97	U	110	91		P
Vanadium	mg/Kg	75 - 125	24.8		9.73		16.0	94		P
Zinc	mg/Kg	75 - 125	47.4		33.8		10.7	128	N	P

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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Kleinfelder</u>	level: <u>low</u>	sdg no.: <u>Q3341</u>
contract: <u>POWE02</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q3345-03</u>	client id: <u>2ND-STREET-SOILMSD</u>
Percent Solids for Sample: 87.5	Spiked ID: Q3345-03MSD	Percent Solids for Spike Sample: 87.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5820		4210		100	1610		P
Antimony	mg/Kg	75 - 125	20.6		2.46	U	40.3	51	N	P
Arsenic	mg/Kg	75 - 125	37.9		1.82		40.3	89		P
Barium	mg/Kg	75 - 125	36.7		22.4		10.1	142	N	P
Beryllium	mg/Kg	75 - 125	9.87		0.27	J	10.1	95		P
Boron	mg/Kg	75 - 125	18.0		4.46	J	15.1	90		P
Cadmium	mg/Kg	75 - 125	9.85		0.22	J	10.1	95		P
Chromium	mg/Kg	75 - 125	28.5		7.65		20.1	104		P
Cobalt	mg/Kg	75 - 125	13.5		3.12		10.1	103		P
Copper	mg/Kg	75 - 125	22.0		8.27		15.1	91		P
Iron	mg/Kg	75 - 125	8340		6900		150	960		P
Lead	mg/Kg	75 - 125	57.3		11.6		50.3	91		P
Manganese	mg/Kg	75 - 125	77.9		55.2		10.1	224		P
Molybdenum	mg/Kg	75 - 125	18.6		9.85	U	20.1	92		P
Nickel	mg/Kg	75 - 125	32.7		6.78		25.2	103		P
Selenium	mg/Kg	75 - 125	87.3		0.99	U	100	87		P
Silver	mg/Kg	75 - 125	2.26		0.49	U	3.8	60	N	P
Thallium	mg/Kg	75 - 125	96.8		1.97	U	100	97		P
Vanadium	mg/Kg	75 - 125	25.2		9.73		15.1	102		P
Zinc	mg/Kg	75 - 125	48.3		33.8		10.1	143	N	P