

metals
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MATRIX SPIKE SUMMARY

client: <u>Kleinfelder</u>	level: <u>low</u>	sdg no.: <u>Q3614</u>
contract: <u>POWE02</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q3609-01</u>	client id: <u>AU-713-COMP-01MS</u>
Percent Solids for Sample: 81.6	Spiked ID: Q3609-01MS	Percent Solids for Spike Sample: 81.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	9560		7160		110	2187		P
Antimony	mg/Kg	75 - 125	21.3		2.76	U	43.6	49	N	P
Arsenic	mg/Kg	75 - 125	50.8		8.78		43.6	96		P
Barium	mg/Kg	75 - 125	33.1		22.2		10.9	99		P
Beryllium	mg/Kg	75 - 125	9.97		0.71		10.9	85		P
Boron	mg/Kg	75 - 125	58.3		27.0		16.3	192	N	P
Cadmium	mg/Kg	75 - 125	9.82		0.33	U	10.9	90		P
Chromium	mg/Kg	75 - 125	45.0		20.3		21.8	113		P
Cobalt	mg/Kg	75 - 125	14.6		2.80		10.9	108		P
Copper	mg/Kg	75 - 125	22.2		7.01		16.3	93		P
Iron	mg/Kg	75 - 125	35800		22000		160	8621		P
Lead	mg/Kg	75 - 125	62.6		14.0		54.5	89		P
Manganese	mg/Kg	75 - 125	60.9		46.1		10.9	136		P
Molybdenum	mg/Kg	75 - 125	18.0		11.0	U	21.8	83		P
Nickel	mg/Kg	75 - 125	34.3		6.05		27.2	104		P
Selenium	mg/Kg	75 - 125	80.3		1.10	U	110	73	N	P
Silver	mg/Kg	75 - 125	5.52		1.21		4.1	105		P
Thallium	mg/Kg	75 - 125	96.5		2.21	U	110	88		P
Vanadium	mg/Kg	75 - 125	69.5		37.6		16.3	195	N	P
Zinc	mg/Kg	75 - 125	46.3		30.0		10.9	150	N	P

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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Kleinfelder</u>	level: <u>low</u>	sdg no.: <u>Q3614</u>
contract: <u>POWE02</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q3609-01</u>	client id: <u>AU-713-COMP-01MSD</u>
Percent Solids for Sample: 81.6	Spiked ID: Q3609-01MSD	Percent Solids for Spike Sample: 81.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	8260		7160		110	1001		P
Antimony	mg/Kg	75 - 125	20.2		2.76	U	42.6	47	N	P
Arsenic	mg/Kg	75 - 125	46.1		8.78		42.6	88		P
Barium	mg/Kg	75 - 125	28.8		22.2		10.7	61	N	P
Beryllium	mg/Kg	75 - 125	9.87		0.71		10.7	86		P
Boron	mg/Kg	75 - 125	45.6		27.0		16.0	116		P
Cadmium	mg/Kg	75 - 125	9.61		0.33	U	10.7	90		P
Chromium	mg/Kg	75 - 125	42.8		20.3		21.3	105		P
Cobalt	mg/Kg	75 - 125	13.1		2.80		10.7	96		P
Copper	mg/Kg	75 - 125	20.2		7.01		16.0	82		P
Iron	mg/Kg	75 - 125	28300		22000		160	3911		P
Lead	mg/Kg	75 - 125	59.2		14.0		53.3	85		P
Manganese	mg/Kg	75 - 125	46.8		46.1		10.7	7		P
Molybdenum	mg/Kg	75 - 125	18.1		11.0	U	21.3	85		P
Nickel	mg/Kg	75 - 125	31.8		6.05		26.6	97		P
Selenium	mg/Kg	75 - 125	80.9		1.10	U	110	74	N	P
Silver	mg/Kg	75 - 125	5.03		1.21		4.0	95		P
Thallium	mg/Kg	75 - 125	98.8		2.21	U	110	90		P
Vanadium	mg/Kg	75 - 125	59.6		37.6		16.0	137	N	P
Zinc	mg/Kg	75 - 125	37.6		30.0		10.7	71	N	P

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MATRIX SPIKE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** Q3614
contract: POWE02 **lab code:** ACE
matrix: Solid **sample id:** Q3614-03 **client id:** COMP-3MS
Percent Solids for Sample: 83.5 **Spiked ID:** Q3614-03MS **Percent Solids for Spike Sample:** 83.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.32		0.091		0.29	78	N	CV

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MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Kleinfelder</u>	level:	<u>low</u>	sdg no.:	<u>Q3614</u>
contract:	<u>POWE02</u>			lab code:	<u>ACE</u>
matrix:	<u>Solid</u>	sample id:	<u>Q3614-03</u>	client id:	<u>COMP-3MSD</u>
Percent Solids for Sample:	83.5	Spiked ID:	Q3614-03MSD	Percent Solids for Spike Sample:	83.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.33		0.091		0.29	82		CV