

metals
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MATRIX SPIKE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** Q2795
contract: POWE02 **lab code:** ACE
matrix: Solid **sample id:** Q2793-01 **client id:** VNJ-231MS

Percent Solids for Sample: 92.7 **Spiked ID:** Q2793-01MS **Percent Solids for Spike Sample:** 92.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5770		5530		93.4	254		P
Antimony	mg/Kg	75 - 125	21.3		2.38	U	37.4	57	N	P
Arsenic	mg/Kg	75 - 125	31.4		3.57		37.4	74	N	P
Barium	mg/Kg	75 - 125	63.4		55.0		9.3	90		P
Beryllium	mg/Kg	75 - 125	6.57		0.47		9.3	66	N	P
Cadmium	mg/Kg	75 - 125	8.00		0.32		9.3	83		P
Calcium	mg/Kg	75 - 125	1390		1440		46.7	-110		P
Chromium	mg/Kg	75 - 125	21.1		10.1		18.7	59	N	P
Cobalt	mg/Kg	75 - 125	12.3		4.83		9.3	81		P
Copper	mg/Kg	75 - 125	26.6		16.6		14.0	71	N	P
Iron	mg/Kg	75 - 125	9580		10700		140	-806		P
Lead	mg/Kg	75 - 125	82.5		42.2		46.7	86		P
Magnesium	mg/Kg	75 - 125	1510		1480		93.4	42		P
Manganese	mg/Kg	75 - 125	280		302		9.3	-242		P
Nickel	mg/Kg	75 - 125	28.7		9.50		23.3	82		P
Potassium	mg/Kg	75 - 125	943		561		470	81		P
Selenium	mg/Kg	75 - 125	64.0		0.95	U	93.4	68	N	P
Silver	mg/Kg	75 - 125	2.91		0.37	J	3.5	72	N	P
Sodium	mg/Kg	75 - 125	317		235		140	58	N	P
Thallium	mg/Kg	75 - 125	81.7		1.90	U	93.4	88		P
Vanadium	mg/Kg	75 - 125	24.2		14.8		14.0	67	N	P
Zinc	mg/Kg	75 - 125	54.9		48.8		9.3	65		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** Q2795
contract: POWE02 **lab code:** ACE
matrix: Solid **sample id:** Q2793-01 **client id:** VNJ-231MSD

Percent Solids for Sample: 92.7 **Spiked ID:** Q2793-01MSD **Percent Solids for Spike Sample:** 92.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5350		5530		93.0	-202		P
Antimony	mg/Kg	75 - 125	20.9		2.38	U	37.2	56	N	P
Arsenic	mg/Kg	75 - 125	29.4		3.57		37.2	69	N	P
Barium	mg/Kg	75 - 125	61.3		55.0		9.3	67		P
Beryllium	mg/Kg	75 - 125	6.44		0.47		9.3	64	N	P
Cadmium	mg/Kg	75 - 125	7.86		0.32		9.3	81		P
Calcium	mg/Kg	75 - 125	1360		1440		46.5	-168		P
Chromium	mg/Kg	75 - 125	20.5		10.1		18.6	56	N	P
Cobalt	mg/Kg	75 - 125	12.1		4.83		9.3	78		P
Copper	mg/Kg	75 - 125	26.5		16.6		13.9	71	N	P
Iron	mg/Kg	75 - 125	8260		10700		140	-1746		P
Lead	mg/Kg	75 - 125	77.4		42.2		46.5	76		P
Magnesium	mg/Kg	75 - 125	1410		1480		93.0	-71		P
Manganese	mg/Kg	75 - 125	294		302		9.3	-84		P
Nickel	mg/Kg	75 - 125	27.7		9.50		23.2	78		P
Potassium	mg/Kg	75 - 125	852		561		460	63	N	P
Selenium	mg/Kg	75 - 125	62.7		0.95	U	93.0	67	N	P
Silver	mg/Kg	75 - 125	2.87		0.37	J	3.5	71	N	P
Sodium	mg/Kg	75 - 125	303		235		140	48	N	P
Thallium	mg/Kg	75 - 125	80.7		1.90	U	93.0	87		P
Vanadium	mg/Kg	75 - 125	21.6		14.8		13.9	49	N	P
Zinc	mg/Kg	75 - 125	56.1		48.8		9.3	79		P

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MATRIX SPIKE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** Q2795
contract: POWE02 **lab code:** ACE
matrix: Solid **sample id:** Q2807-03 **client id:** COMP-6MS
Percent Solids for Sample: 83.6 **Spiked ID:** Q2807-03MS **Percent Solids for Spike Sample:** 83.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	2.00	D	2.26	D	0.32	-80		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Kleinfelder</u>	level: <u>low</u>	sdg no.: <u>Q2795</u>
contract: <u>POWE02</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q2807-03</u>	client id: <u>COMP-6MSD</u>
Percent Solids for Sample: 83.6	Spiked ID: Q2807-03MSD	Percent Solids for Spike Sample: 83.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	1.61	D	2.26	D	0.29	-222		CV