

metals
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MATRIX SPIKE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** P5277
contract: POWE02 **lab code:** CHEM **case no.:** P5277 **sas no.:** P5277
matrix: Solid **sample id:** P5277-03 **client id:** COMP-3AMS
Percent Solids for Sample: 89.9 **Spiked ID:** P5277-03MS **Percent Solids for Spike Sample:** 89.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.23		0.013	U	0.28	80		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Kleinfelder</u>	level:	<u>low</u>	sdg no.:	<u>P5277</u>	
contract:	<u>POWE02</u>	lab code:	<u>CHEM</u>	case no.:	<u>P5277</u>	sas no.: <u>P5277</u>
matrix:	<u>Solid</u>	sample id:	<u>P5277-03</u>	client id:	<u>COMP-3AMSD</u>	
Percent Solids for Sample:	89.9	Spiked ID:	<u>P5277-03MSD</u>	Percent Solids for Spike Sample:	89.9	

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.26		0.013	U	0.28	92		CV

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MATRIX SPIKE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** P5277
contract: POWE02 **lab code:** CHEM **case no.:** P5277 **sas no.:** P5277
matrix: Solid **sample id:** P5279-01 **client id:** ROCKAWAY-PARKMS
Percent Solids for Sample: 93.6 **Spiked ID:** P5279-01MS **Percent Solids for Spike Sample:** 93.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	642		599		87.9	48		P
Antimony	mg/Kg	75 - 125	64.0		0.34	J	35.2	181	N	P
Arsenic	mg/Kg	75 - 125	35.6		3.91		35.2	90		P
Barium	mg/Kg	75 - 125	24.6		17.5		8.8	81		P
Beryllium	mg/Kg	75 - 125	9.67		0.23	J	8.8	107		P
Boron	mg/Kg	75 - 125	10.0		4.71	U	13.2	76		P
Cadmium	mg/Kg	75 - 125	9.12		0.62		8.8	97		P
Chromium	mg/Kg	75 - 125	21.9		4.49		17.6	99		P
Cobalt	mg/Kg	75 - 125	9.98		1.45		8.8	97		P
Copper	mg/Kg	75 - 125	33.9		23.1		13.2	82		P
Iron	mg/Kg	75 - 125	5580		5990		130	-316		P
Lead	mg/Kg	75 - 125	109		72.8		44.0	82		P
Manganese	mg/Kg	75 - 125	38.3		31.7		8.8	75		P
Molybdenum	mg/Kg	75 - 125	34.2		0.52	J	17.6	191	N	P
Nickel	mg/Kg	75 - 125	25.9		4.58		22.0	97		P
Selenium	mg/Kg	75 - 125	75.6		0.94	U	87.9	86		P
Silver	mg/Kg	75 - 125	2.83		0.47	U	3.3	86		P
Thallium	mg/Kg	75 - 125	80.1		1.88	U	87.9	91		P
Vanadium	mg/Kg	75 - 125	18.6		5.72		13.2	98		P
Zinc	mg/Kg	75 - 125	126		128		8.8	-29		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** P5277
contract: POWE02 **lab code:** CHEM **case no.:** P5277 **sas no.:** P5277
matrix: Solid **sample id:** P5279-01 **client id:** ROCKAWAY-PARKMSD
Percent Solids for Sample: 93.6 **Spiked ID:** P5279-01MSD **Percent Solids for Spike Sample:** 93.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	751		599		100	151		P
Antimony	mg/Kg	75 - 125	74.4		0.34	J	40.1	185	N	P
Arsenic	mg/Kg	75 - 125	41.2		3.91		40.1	93		P
Barium	mg/Kg	75 - 125	28.5		17.5		10.0	110		P
Beryllium	mg/Kg	75 - 125	10.9		0.23	J	10.0	107		P
Boron	mg/Kg	75 - 125	11.2		4.71	U	15.0	75	N	P
Cadmium	mg/Kg	75 - 125	10.4		0.62		10.0	98		P
Chromium	mg/Kg	75 - 125	25.2		4.49		20.1	103		P
Cobalt	mg/Kg	75 - 125	11.4		1.45		10.0	100		P
Copper	mg/Kg	75 - 125	38.9		23.1		15.0	105		P
Iron	mg/Kg	75 - 125	6490		5990		150	330		P
Lead	mg/Kg	75 - 125	125		72.8		50.2	103		P
Manganese	mg/Kg	75 - 125	44.0		31.7		10.0	123		P
Molybdenum	mg/Kg	75 - 125	39.7		0.52	J	20.1	195	N	P
Nickel	mg/Kg	75 - 125	29.6		4.58		25.1	100		P
Selenium	mg/Kg	75 - 125	87.4		0.94	U	100	87		P
Silver	mg/Kg	75 - 125	3.27		0.47	U	3.8	86		P
Thallium	mg/Kg	75 - 125	92.4		1.88	U	100	92		P
Vanadium	mg/Kg	75 - 125	21.4		5.72		15.0	105		P
Zinc	mg/Kg	75 - 125	146		128		10.0	181		P