

metals
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MATRIX SPIKE SUMMARY

client: Saxton Falls Sand and Gravel Co. Inc. **level:** low **sdg no.:** Q1937
contract: SAXT01 **lab code:** CHEM **case no.:** Q1937 **sas no.:** Q1937
matrix: Solid **sample id:** Q1936-01 **client id:** SMALL-PILE-AMS
Percent Solids for Sample: 90.8 **Spiked ID:** Q1936-01MS **Percent Solids for Spike Sample:** 90.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.28		0.014	U	0.28	98		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: Saxton Falls Sand and Gravel Co. Inc. **level:** low **sdg no.:** Q1937
contract: SAXT01 **lab code:** CHEM **case no.:** Q1937 **sas no.:** Q1937
matrix: Solid **sample id:** Q1936-01 **client id:** SMALL-PILE-AMSD
Percent Solids for Sample: 90.8 **Spiked ID:** Q1936-01MSD **Percent Solids for Spike Sample:** 90.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.28		0.014	U	0.29	96		CV

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MATRIX SPIKE SUMMARY

client: Saxton Falls Sand and Gravel Co. Inc. **level:** low **sdg no.:** Q1937
contract: SAXT01 **lab code:** CHEM **case no.:** Q1937 **sas no.:** Q1937
matrix: Solid **sample id:** Q1952-01 **client id:** CLEAN-FILLMS
Percent Solids for Sample: 74.4 **Spiked ID:** Q1952-01MS **Percent Solids for Spike Sample:** 74.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	4250		3470		120	654		P
Antimony	mg/Kg	75 - 125	26.5		2.71	U	48.9	54	N	P
Arsenic	mg/Kg	75 - 125	51.4		5.84		48.9	93		P
Barium	mg/Kg	75 - 125	37.9		21.8		12.2	132	N	P
Beryllium	mg/Kg	75 - 125	10.8		0.45		12.2	85		P
Cadmium	mg/Kg	75 - 125	11.8		0.33	U	12.2	97		P
Calcium	mg/Kg	75 - 125	1760		1930		61.1	-287		P
Chromium	mg/Kg	75 - 125	39.5		16.0		24.4	96		P
Cobalt	mg/Kg	75 - 125	13.7		1.65		12.2	99		P
Copper	mg/Kg	75 - 125	58.1		38.3		18.3	108		P
Iron	mg/Kg	75 - 125	10600		9340		180	716		P
Lead	mg/Kg	75 - 125	91.7		31.5		61.1	98		P
Magnesium	mg/Kg	75 - 125	754		560		120	162		P
Manganese	mg/Kg	75 - 125	86.4		78.8		12.2	62		P
Nickel	mg/Kg	75 - 125	36.1		5.54		30.5	100		P
Potassium	mg/Kg	75 - 125	1550		638		610	149	N	P
Selenium	mg/Kg	75 - 125	110		1.08	U	120	92		P
Silver	mg/Kg	75 - 125	4.56		0.54	U	4.6	99		P
Sodium	mg/Kg	75 - 125	191		108	U	180	106		P
Thallium	mg/Kg	75 - 125	121		0.37	J	120	101		P
Vanadium	mg/Kg	75 - 125	33.1		15.9		18.3	94		P
Zinc	mg/Kg	75 - 125	148		126		12.2	188		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Saxton Falls Sand and Gravel Co. Inc. **level:** low **sdg no.:** Q1937
contract: SAXT01 **lab code:** CHEM **case no.:** Q1937 **sas no.:** Q1937
matrix: Solid **sample id:** Q1952-01 **client id:** CLEAN-FILLMSD
Percent Solids for Sample: 74.4 **Spiked ID:** Q1952-01MSD **Percent Solids for Spike Sample:** 74.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	4450		3470		120	818		P
Antimony	mg/Kg	75 - 125	26.1		2.71	U	46.8	56	N	P
Arsenic	mg/Kg	75 - 125	52.2		5.84		46.8	99		P
Barium	mg/Kg	75 - 125	37.8		21.8		11.7	136	N	P
Beryllium	mg/Kg	75 - 125	10.9		0.45		11.7	89		P
Cadmium	mg/Kg	75 - 125	11.7		0.33	U	11.7	100		P
Calcium	mg/Kg	75 - 125	2960		1930		58.4	1756		P
Chromium	mg/Kg	75 - 125	39.4		16.0		23.4	100		P
Cobalt	mg/Kg	75 - 125	13.6		1.65		11.7	102		P
Copper	mg/Kg	75 - 125	60.3		38.3		17.5	126	N	P
Iron	mg/Kg	75 - 125	10900		9340		180	868		P
Lead	mg/Kg	75 - 125	90.9		31.5		58.4	102		P
Magnesium	mg/Kg	75 - 125	893		560		120	278		P
Manganese	mg/Kg	75 - 125	97.4		78.8		11.7	159		P
Nickel	mg/Kg	75 - 125	36.1		5.54		29.2	105		P
Potassium	mg/Kg	75 - 125	1580		638		580	163	N	P
Selenium	mg/Kg	75 - 125	109		1.08	U	120	91		P
Silver	mg/Kg	75 - 125	4.46		0.54	U	4.4	101		P
Sodium	mg/Kg	75 - 125	186		108	U	180	103		P
Thallium	mg/Kg	75 - 125	116		0.37	J	120	96		P
Vanadium	mg/Kg	75 - 125	32.9		15.9		17.5	97		P
Zinc	mg/Kg	75 - 125	148		126		11.7	195		P