

metals
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MATRIX SPIKE SUMMARY

client: Remington & Vernick **level:** low **sdg no.:** Q3742
contract: REMI01 **lab code:** ACE
matrix: Solid **sample id:** Q3742-18 **client id:** SB-1125-24MS

Percent Solids for Sample: 62.8 **Spiked ID:** Q3742-18MS **Percent Solids for Spike Sample:** 62.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	9630		8950		130	520		P
Antimony	mg/Kg	75 - 125	19.7		3.29	U	53.1	37	N	P
Arsenic	mg/Kg	75 - 125	77.9		41.4		53.1	69	N	P
Barium	mg/Kg	75 - 125	116		115		13.3	5		P
Beryllium	mg/Kg	75 - 125	11.4		1.16		13.3	77		P
Cadmium	mg/Kg	75 - 125	14.9		2.46		13.3	94		P
Calcium	mg/Kg	75 - 125	5320		5210		66.3	168		P
Chromium	mg/Kg	75 - 125	207		235		26.5	-106		P
Cobalt	mg/Kg	75 - 125	29.0		16.9		13.3	92		P
Copper	mg/Kg	75 - 125	101		103		19.9	-7		P
Iron	mg/Kg	75 - 125	21800		22100		200	-110		P
Lead	mg/Kg	75 - 125	257		226		66.3	47	N	P
Magnesium	mg/Kg	75 - 125	2830		2710		130	96		P
Manganese	mg/Kg	75 - 125	558		546		13.3	92		P
Nickel	mg/Kg	75 - 125	61.6		30.1		33.2	95		P
Potassium	mg/Kg	75 - 125	1930		1290		660	96		P
Selenium	mg/Kg	75 - 125	107		1.32	U	130	82		P
Silver	mg/Kg	75 - 125	5.49		1.69		5.0	76		P
Sodium	mg/Kg	75 - 125	309		132		200	88		P
Thallium	mg/Kg	75 - 125	114		0.44	J	130	88		P
Vanadium	mg/Kg	75 - 125	39.2		23.2		19.9	81		P
Zinc	mg/Kg	75 - 125	386		434		13.3	-360		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Remington & Vernick</u>	level: <u>low</u>	sdg no.: <u>Q3742</u>
contract: <u>REMI01</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q3742-18</u>	client id: <u>SB-1125-24MSD</u>
Percent Solids for Sample: 62.8	Spiked ID: Q3742-18MSD	Percent Solids for Spike Sample: 62.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	8890		8950		140	-44		P
Antimony	mg/Kg	75 - 125	29.5		3.29	U	56.6	52	N	P
Arsenic	mg/Kg	75 - 125	81.1		41.4		56.6	70	N	P
Barium	mg/Kg	75 - 125	104		115		14.2	-78		P
Beryllium	mg/Kg	75 - 125	12.4		1.16		14.2	79		P
Cadmium	mg/Kg	75 - 125	15.6		2.46		14.2	93		P
Calcium	mg/Kg	75 - 125	3510		5210		70.8	-2392		P
Chromium	mg/Kg	75 - 125	209		235		28.3	-93		P
Cobalt	mg/Kg	75 - 125	28.6		16.9		14.2	83		P
Copper	mg/Kg	75 - 125	98.6		103		21.2	-20		P
Iron	mg/Kg	75 - 125	19700		22100		210	-1138		P
Lead	mg/Kg	75 - 125	381		226		70.8	218	N	P
Magnesium	mg/Kg	75 - 125	2600		2710		140	-78		P
Manganese	mg/Kg	75 - 125	499		546		14.2	-328		P
Nickel	mg/Kg	75 - 125	61.3		30.1		35.4	88		P
Potassium	mg/Kg	75 - 125	1690		1290		710	57	N	P
Selenium	mg/Kg	75 - 125	117		1.32	U	140	84		P
Silver	mg/Kg	75 - 125	5.70		1.69		5.3	76		P
Sodium	mg/Kg	75 - 125	289		132		210	74	N	P
Thallium	mg/Kg	75 - 125	119		0.44	J	140	85		P
Vanadium	mg/Kg	75 - 125	37.7		23.2		21.2	68	N	P
Zinc	mg/Kg	75 - 125	363		434		14.2	-501		P

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MATRIX SPIKE SUMMARY

client:	<u>Remington & Vernick</u>	level:	<u>low</u>	sdg no.:	<u>Q3742</u>
contract:	<u>REMI01</u>			lab code:	<u>ACE</u>
matrix:	<u>Solid</u>	sample id:	<u>Q3750-01</u>	client id:	<u>FENCE WC-1MS</u>
Percent Solids for Sample:	86.8	Spiked ID:	Q3750-01MS	Percent Solids for Spike Sample:	86.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.52		0.24		0.28	101		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Remington & Vernick</u>	level:	<u>low</u>	sdg no.:	<u>Q3742</u>
contract:	<u>REMI01</u>			lab code:	<u>ACE</u>
matrix:	<u>Solid</u>	sample id:	<u>Q3750-01</u>	client id:	<u>FENCE WC-1MSD</u>
Percent Solids for Sample:	86.8	Spiked ID:	Q3750-01MSD	Percent Solids for Spike Sample:	86.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.59		0.24		0.3	117		CV