

metals
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MATRIX SPIKE SUMMARY

client: Roman E&G Corp **level:** low **sdg no.:** P4258
contract: ROMA02 **lab code:** CHEM **case no.:** P4258 **sas no.:** P4258
matrix: Solid **sample id:** P4364-16 **client id:** SB-08-0.167-0.667MS
Percent Solids for Sample: 93.3 **Spiked ID:** P4364-16MS **Percent Solids for Spike Sample:** 93.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.50		0.24		0.25	105		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Roman E&G Corp</u>	level:	<u>low</u>	sdg no.:	<u>P4258</u>	
contract:	<u>ROMA02</u>	lab code:	<u>CHEM</u>	case no.:	<u>P4258</u>	sas no.: <u>P4258</u>
matrix:	<u>Solid</u>	sample id:	<u>P4364-16</u>	client id:	<u>SB-08-0.167-0.667MSD</u>	
Percent Solids for Sample:	93.3	Spiked ID:	<u>P4364-16MSD</u>	Percent Solids for Spike Sample:	93.3	

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.50		0.24		0.27	99		CV

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MATRIX SPIKE SUMMARY

client: Roman E&G Corp **level:** low **sdg no.:** P4258
contract: ROMA02 **lab code:** CHEM **case no.:** P4258 **sas no.:** P4258
matrix: Solid **sample id:** P4385-20 **client id:** SP-10MS
Percent Solids for Sample: 94.4 **Spiked ID:** P4385-20MS **Percent Solids for Spike Sample:** 94.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	11600		10800		100	811		P
Antimony	mg/Kg	75 - 125	29.2		2.36	U	40.2	73	N	P
Arsenic	mg/Kg	75 - 125	34.5		4.41		40.2	75		P
Barium	mg/Kg	75 - 125	62.5		51.1		10.0	114		P
Beryllium	mg/Kg	75 - 125	8.48		0.59		10.0	79		P
Cadmium	mg/Kg	75 - 125	11.7		1.90		10.0	98		P
Calcium	mg/Kg	75 - 125	1350		1220		50.2	248		P
Chromium	mg/Kg	75 - 125	35.6		19.0		20.1	83		P
Cobalt	mg/Kg	75 - 125	19.0		8.50		10.0	105		P
Copper	mg/Kg	75 - 125	24.1		13.7		15.1	69	N	P
Iron	mg/Kg	75 - 125	11600		11300		150	208		P
Lead	mg/Kg	75 - 125	49.0		11.2		50.2	75		P
Magnesium	mg/Kg	75 - 125	1150		1000		100	146		P
Manganese	mg/Kg	75 - 125	168		149		10.0	193		P
Nickel	mg/Kg	75 - 125	26.5		6.97		25.1	78		P
Potassium	mg/Kg	75 - 125	667		401		500	53	N	P
Selenium	mg/Kg	75 - 125	68.1		0.95	U	100	68	N	P
Silver	mg/Kg	75 - 125	3.05		0.47	U	3.8	80		P
Sodium	mg/Kg	75 - 125	160		48.5	J	150	75		P
Thallium	mg/Kg	75 - 125	92.7		1.89	U	100	93		P
Vanadium	mg/Kg	75 - 125	35.9		23.4		15.1	83		P
Zinc	mg/Kg	75 - 125	27.2		18.6		10.0	86		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Roman E&G Corp **level:** low **sdg no.:** P4258
contract: ROMA02 **lab code:** CHEM **case no.:** P4258 **sas no.:** P4258
matrix: Solid **sample id:** P4385-20 **client id:** SP-10MSD
Percent Solids for Sample: 94.4 **Spiked ID:** P4385-20MSD **Percent Solids for Spike Sample:** 94.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	10600		10800		91.7	-151		P
Antimony	mg/Kg	75 - 125	27.7		2.36	U	36.7	76		P
Arsenic	mg/Kg	75 - 125	32.2		4.41		36.7	76		P
Barium	mg/Kg	75 - 125	57.5		51.1		9.2	70		P
Beryllium	mg/Kg	75 - 125	7.81		0.59		9.2	78		P
Cadmium	mg/Kg	75 - 125	11.0		1.90		9.2	98		P
Calcium	mg/Kg	75 - 125	1240		1220		45.9	41		P
Chromium	mg/Kg	75 - 125	33.1		19.0		18.3	77		P
Cobalt	mg/Kg	75 - 125	17.7		8.50		9.2	100		P
Copper	mg/Kg	75 - 125	22.4		13.7		13.8	63	N	P
Iron	mg/Kg	75 - 125	10700		11300		140	-449		P
Lead	mg/Kg	75 - 125	45.6		11.2		45.9	75		P
Magnesium	mg/Kg	75 - 125	1060		1000		91.7	61		P
Manganese	mg/Kg	75 - 125	154		149		9.2	55		P
Nickel	mg/Kg	75 - 125	24.7		6.97		22.9	77		P
Potassium	mg/Kg	75 - 125	621		401		460	48	N	P
Selenium	mg/Kg	75 - 125	64.3		0.95	U	91.7	70	N	P
Silver	mg/Kg	75 - 125	2.80		0.47	U	3.4	82		P
Sodium	mg/Kg	75 - 125	148		48.5	J	140	71	N	P
Thallium	mg/Kg	75 - 125	86.2		1.89	U	91.7	94		P
Vanadium	mg/Kg	75 - 125	33.3		23.4		13.8	71	N	P
Zinc	mg/Kg	75 - 125	25.0		18.6		9.2	70	N	P