

metals
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MATRIX SPIKE SUMMARY

client: Remington & Vernick Engineers **level:** low **sdg no.:** Q3586
contract: REMI02 **lab code:** ACE
matrix: Solid **sample id:** Q3581-01 **client id:** VNJ-238MS

Percent Solids for Sample: 85.7 **Spiked ID:** Q3581-01MS **Percent Solids for Spike Sample:** 85.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	13100		12600		100	502		P
Antimony	mg/Kg	75 - 125	15.7		1.00	J	40.6	36	N	P
Arsenic	mg/Kg	75 - 125	39.2		7.97		40.6	77		P
Barium	mg/Kg	75 - 125	58.5		54.6		10.1	39		P
Beryllium	mg/Kg	75 - 125	9.54		1.56		10.1	79		P
Cadmium	mg/Kg	75 - 125	11.1		0.62		10.1	104		P
Calcium	mg/Kg	75 - 125	1450		1550		50.7	-181		P
Chromium	mg/Kg	75 - 125	38.0		20.9		20.3	84		P
Cobalt	mg/Kg	75 - 125	25.9		15.7		10.1	101		P
Copper	mg/Kg	75 - 125	27.9		16.8		15.2	73	N	P
Iron	mg/Kg	75 - 125	29600		32700		150	-2023		P
Lead	mg/Kg	75 - 125	79.8		31.9		50.7	94		P
Magnesium	mg/Kg	75 - 125	3660		3680		100	-18		P
Manganese	mg/Kg	75 - 125	315		372		10.1	-565		P
Nickel	mg/Kg	75 - 125	53.5		27.4		25.4	103		P
Potassium	mg/Kg	75 - 125	1660		1130		510	105		P
Selenium	mg/Kg	75 - 125	74.3		1.10	U	100	74	N	P
Silver	mg/Kg	75 - 125	6.94		4.28		3.8	70	N	P
Sodium	mg/Kg	75 - 125	338		236		150	68	N	P
Thallium	mg/Kg	75 - 125	86.5		2.20	U	100	86		P
Vanadium	mg/Kg	75 - 125	33.8		23.3		15.2	69	N	P
Zinc	mg/Kg	75 - 125	105		98.6		10.1	61		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Remington & Vernick Engineers **level:** low **sdg no.:** Q3586
contract: REMI02 **lab code:** ACE
matrix: Solid **sample id:** Q3581-01 **client id:** VNJ-238MSD

Percent Solids for Sample: 85.7 **Spiked ID:** Q3581-01MSD **Percent Solids for Spike Sample:** 85.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	13500		12600		110	836		P
Antimony	mg/Kg	75 - 125	16.7		1.00	J	43.6	36	N	P
Arsenic	mg/Kg	75 - 125	41.7		7.97		43.6	77		P
Barium	mg/Kg	75 - 125	62.7		54.6		10.9	74		P
Beryllium	mg/Kg	75 - 125	10.5		1.56		10.9	82		P
Cadmium	mg/Kg	75 - 125	11.8		0.62		10.9	102		P
Calcium	mg/Kg	75 - 125	1530		1550		54.5	-24		P
Chromium	mg/Kg	75 - 125	40.3		20.9		21.8	89		P
Cobalt	mg/Kg	75 - 125	26.9		15.7		10.9	103		P
Copper	mg/Kg	75 - 125	42.0		16.8		16.4	154	N	P
Iron	mg/Kg	75 - 125	29900		32700		160	-1754		P
Lead	mg/Kg	75 - 125	95.2		31.9		54.5	116		P
Magnesium	mg/Kg	75 - 125	3830		3680		110	140		P
Manganese	mg/Kg	75 - 125	312		372		10.9	-548		P
Nickel	mg/Kg	75 - 125	60.1		27.4		27.3	120		P
Potassium	mg/Kg	75 - 125	1680		1130		550	100		P
Selenium	mg/Kg	75 - 125	80.8		1.10	U	110	74	N	P
Silver	mg/Kg	75 - 125	7.11		4.28		4.1	69	N	P
Sodium	mg/Kg	75 - 125	357		236		160	76		P
Thallium	mg/Kg	75 - 125	94.9		2.20	U	110	86		P
Vanadium	mg/Kg	75 - 125	35.2		23.3		16.4	72	N	P
Zinc	mg/Kg	75 - 125	169		98.6		10.9	648		P

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MATRIX SPIKE SUMMARY

client: Remington & Vernick Engineers **level:** low **sdg no.:** Q3586
contract: REMI02 **lab code:** ACE
matrix: Solid **sample id:** Q3597-10 **client id:** TP-4MS
Percent Solids for Sample: 97.8 **Spiked ID:** Q3597-10MS **Percent Solids for Spike Sample:** 97.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.24		0.014	U	0.26	91		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client:	Remington & Vernick Engineers	level:	low	sdg no.:	Q3586
contract:	REMI02			lab code:	ACE
matrix:	Solid	sample id:	Q3597-10	client id:	TP-4MSD
Percent Solids for Sample:	97.8	Spiked ID:	Q3597-10MSD	Percent Solids for Spike Sample:	97.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.22		0.014	U	0.27	82		CV