

metals
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MATRIX SPIKE SUMMARY

client: Remington & Vernick Engineers **level:** low **sdg no.:** Q3584
contract: REMI02 **lab code:** ACE
matrix: Water **sample id:** Q3584-01 **client id:** SW-1MS
Percent Solids for Sample: NA **Spiked ID:** Q3584-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	3.59		0.20	U	4.0	90		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Remington & Vernick Engineers</u>	level:	<u>low</u>	sdg no.:	<u>Q3584</u>
contract:	<u>REMI02</u>			lab code:	<u>ACE</u>
matrix:	<u>Water</u>	sample id:	<u>Q3584-01</u>	client id:	<u>SW-1MSD</u>
Percent Solids for Sample:	NA	Spiked ID:	Q3584-01MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	3.26		0.20	U	4.0	81.5	N	CV

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MATRIX SPIKE SUMMARY

client: <u>Remington & Vernick Engineers</u>	level: <u>low</u>	sdg no.: <u>Q3584</u>
contract: <u>REMI02</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3584-03</u>	client id: <u>SW-3MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3584-03MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	86 - 115	2300		1420		1000	88		P
Antimony	ug/L	88 - 113	438		25.0	U	400	110		P
Arsenic	ug/L	87 - 113	456		4.20	J	400	113		P
Barium	ug/L	88 - 113	136		35.2	J	100	101		P
Beryllium	ug/L	89 - 112	97.6		3.00	U	100	98		P
Cadmium	ug/L	88 - 113	107		3.00	U	100	107		P
Calcium	ug/L	87 - 113	148000		144000		500	899		P
Chromium	ug/L	90 - 113	211		3.53	J	200	104		P
Cobalt	ug/L	89 - 114	111		15.0	U	100	111		P
Copper	ug/L	86 - 114	150		5.77	J	150	96		P
Iron	ug/L	87 - 115	4080		2200		1500	125	N	P
Lead	ug/L	86 - 113	506		4.76	J	500	100		P
Magnesium	ug/L	85 - 113	439000		424000		1000	1471		P
Manganese	ug/L	90 - 114	184		85.5		100	98		P
Nickel	ug/L	88 - 113	271		3.10	J	250	107		P
Potassium	ug/L	86 - 114	222000		199000		5000	449		P
Selenium	ug/L	83 - 114	1070		10.0	U	1000	107		P
Silver	ug/L	84 - 115	43.4		5.00	U	37.5	116	N	P
Sodium	ug/L	87 - 115	3980000	D	3910000	D	1500	4152		P
Thallium	ug/L	85 - 114	837		3.87	J	1000	83	N	P
Vanadium	ug/L	90 - 111	156		20.0	U	150	104		P
Zinc	ug/L	87 - 115	142		22.1		100	120	N	P

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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Remington & Vernick Engineers</u>	level: <u>low</u>	sdg no.: <u>Q3584</u>
contract: <u>REMI02</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3584-03</u>	client id: <u>SW-3MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3584-03MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	86 - 115	2300		1420		1000	88		P
Antimony	ug/L	88 - 113	456		25.0	U	400	114	N	P
Arsenic	ug/L	87 - 113	470		4.20	J	400	116	N	P
Barium	ug/L	88 - 113	132		35.2	J	100	97		P
Beryllium	ug/L	89 - 112	98.9		3.00	U	100	99		P
Cadmium	ug/L	88 - 113	110		3.00	U	100	110		P
Calcium	ug/L	87 - 113	143000		144000		500	-94		P
Chromium	ug/L	90 - 113	214		3.53	J	200	105		P
Cobalt	ug/L	89 - 114	113		15.0	U	100	113		P
Copper	ug/L	86 - 114	155		5.77	J	150	100		P
Iron	ug/L	87 - 115	4080		2200		1500	125	N	P
Lead	ug/L	86 - 113	521		4.76	J	500	103		P
Magnesium	ug/L	85 - 113	422000		424000		1000	-192		P
Manganese	ug/L	90 - 114	181		85.5		100	95		P
Nickel	ug/L	88 - 113	278		3.10	J	250	110		P
Potassium	ug/L	86 - 114	216000		199000		5000	333		P
Selenium	ug/L	83 - 114	1110		10.0	U	1000	111		P
Silver	ug/L	84 - 115	43.8		5.00	U	37.5	117	N	P
Sodium	ug/L	87 - 115	4200000	D	3910000	D	1500	19305		P
Thallium	ug/L	85 - 114	856		3.87	J	1000	85		P
Vanadium	ug/L	90 - 111	153		20.0	U	150	102		P
Zinc	ug/L	87 - 115	144		22.1		100	121	N	P

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MATRIX SPIKE SUMMARY

client: Remington & Vernick Engineers **level:** low **sdg no.:** Q3584
contract: REMI02 **lab code:** ACE
matrix: Water **sample id:** Q3595-01 **client id:** LAW-25-0176MS
Percent Solids for Sample: NA **Spiked ID:** Q3595-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.55		0.095	J	4.0	86		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Remington & Vernick Engineers</u>	level: <u>low</u>	sdg no.: <u>Q3584</u>
contract: <u>REMI02</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3595-01</u>	client id: <u>LAW-25-0176MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3595-01MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.55		0.095	J	4.0	86		CV