

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Remington & Vernick Engineers **level:** low **sdg no.:** Q3552
contract: REMI02 **lab code:** ACE
matrix: Water **sample id:** Q3552-01 **client id:** MW-4MS
Percent Solids for Sample: NA **Spiked ID:** Q3552-01MS **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	3.48		0.20	U	4.0	87		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Remington & Vernick Engineers</u>	level: <u>low</u>	sdg no.: <u>Q3552</u>
contract: <u>REMI02</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3552-01</u>	client id: <u>MW-4MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3552-01MSD</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	3.52		0.20	U	4.0	88		CV

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MATRIX SPIKE SUMMARY

client: <u>Remington & Vernick Engineers</u>	level: <u>low</u>	sdg no.: <u>Q3552</u>
contract: <u>REMI02</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3552-04</u>	client id: <u>MW-10MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3552-04MS</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	75 - 125	1060		20.5	J	1000	104		P
Antimony	ug/L	75 - 125	451		25.0	U	400	113		P
Arsenic	ug/L	75 - 125	444		5.08	J	400	110		P
Barium	ug/L	75 - 125	138		32.8	J	100	105		P
Beryllium	ug/L	75 - 125	99.3		0.69	J	100	99		P
Cadmium	ug/L	75 - 125	101		3.00	U	100	101		P
Calcium	ug/L	75 - 125	380000		358000		500	4346		P
Chromium	ug/L	75 - 125	191		5.00	U	200	96		P
Cobalt	ug/L	75 - 125	107		15.0	U	100	107		P
Copper	ug/L	75 - 125	134		10.0	U	150	89		P
Iron	ug/L	75 - 125	55200		52900		1500	151		P
Lead	ug/L	75 - 125	499		5.42	J	500	99		P
Magnesium	ug/L	75 - 125	560000		528000		1000	3216		P
Manganese	ug/L	75 - 125	1310		1120		100	186		P
Nickel	ug/L	75 - 125	267		3.43	J	250	105		P
Potassium	ug/L	75 - 125	133000		116000		5000	337		P
Selenium	ug/L	75 - 125	1030		10.0	U	1000	103		P
Silver	ug/L	75 - 125	46.8		2.29	J	37.5	119		P
Sodium	ug/L	75 - 125	4770000	D	4410000	D	1500	24237		P
Thallium	ug/L	75 - 125	911		20.0	U	1000	91		P
Vanadium	ug/L	75 - 125	154		20.0	U	150	103		P
Zinc	ug/L	75 - 125	115		20.0	U	100	115		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Remington & Vernick Engineers</u>	level: <u>low</u>	sdg no.: <u>Q3552</u>
contract: <u>REMI02</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3552-04</u>	client id: <u>MW-10MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3552-04MSD</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	75 - 125	1020		20.5	J	1000	100		P
Antimony	ug/L	75 - 125	413		25.0	U	400	103		P
Arsenic	ug/L	75 - 125	421		5.08	J	400	104		P
Barium	ug/L	75 - 125	130		32.8	J	100	97		P
Beryllium	ug/L	75 - 125	96.0		0.69	J	100	95		P
Cadmium	ug/L	75 - 125	97.3		3.00	U	100	97		P
Calcium	ug/L	75 - 125	353000		358000		500	-1024		P
Chromium	ug/L	75 - 125	190		5.00	U	200	95		P
Cobalt	ug/L	75 - 125	103		15.0	U	100	103		P
Copper	ug/L	75 - 125	130		10.0	U	150	87		P
Iron	ug/L	75 - 125	50500		52900		1500	-159		P
Lead	ug/L	75 - 125	478		5.42	J	500	95		P
Magnesium	ug/L	75 - 125	520000		528000		1000	-765		P
Manganese	ug/L	75 - 125	1230		1120		100	104		P
Nickel	ug/L	75 - 125	258		3.43	J	250	102		P
Potassium	ug/L	75 - 125	124000		116000		5000	169		P
Selenium	ug/L	75 - 125	984		10.0	U	1000	98		P
Silver	ug/L	75 - 125	44.5		2.29	J	37.5	113		P
Sodium	ug/L	75 - 125	4340000	D	4410000	D	1500	-4429		P
Thallium	ug/L	75 - 125	889		20.0	U	1000	89		P
Vanadium	ug/L	75 - 125	149		20.0	U	150	99		P
Zinc	ug/L	75 - 125	108		20.0	U	100	108		P