

metals
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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1690
contract: GENV01 **lab code:** CHEM **case no.:** Q1690 **sas no.:** Q1690
matrix: Water **sample id:** Q1690-01 **client id:** MW112010MS
Percent Solids for Sample: NA **Spiked ID:** Q1690-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	2920		2180		1000	74	N	P
Antimony	ug/L	75 - 125	391		25.0	U	400	98		P
Arsenic	ug/L	75 - 125	373		10.0	U	400	93		P
Barium	ug/L	75 - 125	204		129		100	75		P
Beryllium	ug/L	75 - 125	84.6		3.00	U	100	85		P
Cadmium	ug/L	75 - 125	86.1		0.11	J	100	86		P
Calcium	ug/L	75 - 125	38800		40800		500	-401		P
Chromium	ug/L	75 - 125	188		6.09		200	91		P
Cobalt	ug/L	75 - 125	90.2		1.41	J	100	89		P
Copper	ug/L	75 - 125	164		25.1		150	92		P
Iron	ug/L	75 - 125	5200		4600		1500	40	N	P
Lead	ug/L	75 - 125	445		30.2		500	83		P
Magnesium	ug/L	75 - 125	5210		4670		1000	54		P
Manganese	ug/L	75 - 125	300		239		100	61	N	P
Mercury	ug/L	75 - 125	4.17		0.20	U	4.0	104		CV
Nickel	ug/L	75 - 125	227		6.49	J	250	88		P
Potassium	ug/L	75 - 125	6980		2610		5000	87		P
Selenium	ug/L	75 - 125	902		10.0	U	1000	90		P
Silver	ug/L	75 - 125	33.7		5.00	U	37.5	90		P
Sodium	ug/L	75 - 125	30800		33300		1500	-170		P
Thallium	ug/L	75 - 125	885		20.0	U	1000	88		P
Vanadium	ug/L	75 - 125	136		7.04	J	150	86		P
Zinc	ug/L	75 - 125	172		85.5		100	86		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1690
contract: GENV01 **lab code:** CHEM **case no.:** Q1690 **sas no.:** Q1690
matrix: Water **sample id:** Q1690-01 **client id:** MW112010MSD
Percent Solids for Sample: NA **Spiked ID:** Q1690-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	2890		2180		1000	72	N	P
Antimony	ug/L	75 - 125	382		25.0	U	400	96		P
Arsenic	ug/L	75 - 125	362		10.0	U	400	90		P
Barium	ug/L	75 - 125	211		129		100	82		P
Beryllium	ug/L	75 - 125	81.7		3.00	U	100	82		P
Cadmium	ug/L	75 - 125	84.8		0.11	J	100	85		P
Calcium	ug/L	75 - 125	38800		40800		500	-400		P
Chromium	ug/L	75 - 125	188		6.09		200	91		P
Cobalt	ug/L	75 - 125	89.5		1.41	J	100	88		P
Copper	ug/L	75 - 125	161		25.1		150	90		P
Iron	ug/L	75 - 125	5440		4600		1500	56	N	P
Lead	ug/L	75 - 125	439		30.2		500	82		P
Magnesium	ug/L	75 - 125	5180		4670		1000	51		P
Manganese	ug/L	75 - 125	304		239		100	65	N	P
Mercury	ug/L	75 - 125	4.08		0.20	U	4.0	102		CV
Nickel	ug/L	75 - 125	225		6.49	J	250	87		P
Potassium	ug/L	75 - 125	7300		2610		5000	94		P
Selenium	ug/L	75 - 125	875		10.0	U	1000	88		P
Silver	ug/L	75 - 125	33.9		5.00	U	37.5	90		P
Sodium	ug/L	75 - 125	31600		33300		1500	-117		P
Thallium	ug/L	75 - 125	876		20.0	U	1000	88		P
Vanadium	ug/L	75 - 125	136		7.04	J	150	86		P
Zinc	ug/L	75 - 125	172		85.5		100	87		P