

metals
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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1355
contract: GENV01 **lab code:** CHEM **case no.:** Q1355 **sas no.:** Q1355
matrix: Water **sample id:** Q1348-01 **client id:** TWP-1-WCMS
Percent Solids for Sample: NA **Spiked ID:** Q1348-01MS **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	3330		2720		1000	61	N	P
Antimony	ug/L	75 - 125	373		25.0	U	400	93		P
Arsenic	ug/L	75 - 125	375		10.0	U	400	94		P
Barium	ug/L	75 - 125	159		70.1		100	89		P
Beryllium	ug/L	75 - 125	86.5		0.14	J	100	86		P
Cadmium	ug/L	75 - 125	92.2		0.34	J	100	92		P
Calcium	ug/L	75 - 125	65800		65400		500	90		P
Chromium	ug/L	75 - 125	199		8.37		200	95		P
Cobalt	ug/L	75 - 125	93.5		0.52	J	100	93		P
Copper	ug/L	75 - 125	143		10.0	U	150	95		P
Iron	ug/L	75 - 125	5060		4220		1500	56	N	P
Lead	ug/L	75 - 125	440		5.42	J	500	87		P
Magnesium	ug/L	75 - 125	11900		11100		1000	74		P
Manganese	ug/L	75 - 125	373		285		100	89		P
Nickel	ug/L	75 - 125	234		2.96	J	250	92		P
Potassium	ug/L	75 - 125	14900		10100		5000	95		P
Selenium	ug/L	75 - 125	903		10.0	U	1000	90		P
Silver	ug/L	75 - 125	29.1		5.00	U	37.5	78		P
Sodium	ug/L	75 - 125	148000		142000		1500	412		P
Thallium	ug/L	75 - 125	864		20.0	U	1000	86		P
Vanadium	ug/L	75 - 125	142		7.00	J	150	90		P
Zinc	ug/L	75 - 125	118		23.1		100	95		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1355
contract: GENV01 **lab code:** CHEM **case no.:** Q1355 **sas no.:** Q1355
matrix: Water **sample id:** Q1348-01 **client id:** TWP-1-WCMDS
Percent Solids for Sample: NA **Spiked ID:** Q1348-01MSD **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	3660		2720		1000	94		P
Antimony	ug/L	75 - 125	377		25.0	U	400	94		P
Arsenic	ug/L	75 - 125	376		10.0	U	400	94		P
Barium	ug/L	75 - 125	158		70.1		100	88		P
Beryllium	ug/L	75 - 125	85.4		0.14	J	100	85		P
Cadmium	ug/L	75 - 125	92.2		0.34	J	100	92		P
Calcium	ug/L	75 - 125	65300		65400		500	-29		P
Chromium	ug/L	75 - 125	199		8.37		200	95		P
Cobalt	ug/L	75 - 125	93.8		0.52	J	100	93		P
Copper	ug/L	75 - 125	142		10.0	U	150	95		P
Iron	ug/L	75 - 125	5140		4220		1500	62	N	P
Lead	ug/L	75 - 125	441		5.42	J	500	87		P
Magnesium	ug/L	75 - 125	11800		11100		1000	69		P
Manganese	ug/L	75 - 125	368		285		100	83		P
Nickel	ug/L	75 - 125	234		2.96	J	250	93		P
Potassium	ug/L	75 - 125	15200		10100		5000	101		P
Selenium	ug/L	75 - 125	911		10.0	U	1000	91		P
Silver	ug/L	75 - 125	32.6		5.00	U	37.5	87		P
Sodium	ug/L	75 - 125	147000		142000		1500	357		P
Thallium	ug/L	75 - 125	861		20.0	U	1000	86		P
Vanadium	ug/L	75 - 125	142		7.00	J	150	90		P
Zinc	ug/L	75 - 125	118		23.1		100	95		P

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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1355
contract: GENV01 **lab code:** CHEM **case no.:** Q1355 **sas no.:** Q1355
matrix: Water **sample id:** Q1349-01 **client id:** TWP-1-PERMITMS
Percent Solids for Sample: NA **Spiked ID:** Q1349-01MS **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	4.24		0.77		4.0	87		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1355
contract: GENV01 **lab code:** CHEM **case no.:** Q1355 **sas no.:** Q1355
matrix: Water **sample id:** Q1349-01 **client id:** TWP-1-PERMITMSD
Percent Solids for Sample: NA **Spiked ID:** Q1349-01MSD **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	75 - 125	4.15		0.77		4.0	85		CV