

metals
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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1576
contract: GENV01 **lab code:** CHEM **case no.:** Q1576 **sas no.:** Q1576
matrix: Water **sample id:** Q1553-03 **client id:** FRAC-TANK-FMI120MS
Percent Solids for Sample: NA **Spiked ID:** Q1553-03MS **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	2.78		0.28		4.0	63	N	CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1576
contract: GENV01 **lab code:** CHEM **case no.:** Q1576 **sas no.:** Q1576
matrix: Water **sample id:** Q1553-03 **client id:** FRAC-TANK-FMI120MSD
Percent Solids for Sample: NA **Spiked ID:** Q1553-03MSD **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	2.87		0.28		4.0	65	N	CV

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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1576
contract: GENV01 **lab code:** CHEM **case no.:** Q1576 **sas no.:** Q1576
matrix: Water **sample id:** Q1576-01 **client id:** MW14MS
Percent Solids for Sample: NA **Spiked ID:** Q1576-01MS **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	14900		14200		1000	69		P
Antimony	ug/L	75 - 125	357		2.18	J	400	89		P
Arsenic	ug/L	75 - 125	24400	D	28300	D	400	-960		P
Barium	ug/L	75 - 125	436		377		100	59	N	P
Beryllium	ug/L	75 - 125	83.2		1.76	J	100	81		P
Cadmium	ug/L	75 - 125	107		22.1		100	85		P
Calcium	ug/L	75 - 125	144000		151000		500	-1402		P
Chromium	ug/L	75 - 125	305		137		200	84		P
Cobalt	ug/L	75 - 125	99.2		10.3	J	100	89		P
Copper	ug/L	75 - 125	600		512		150	58	N	P
Iron	ug/L	75 - 125	180000		192000		1500	-797		P
Lead	ug/L	75 - 125	1320		1010		500	62	N	P
Magnesium	ug/L	75 - 125	17500		17500		1000	1		P
Manganese	ug/L	75 - 125	1120		1100		100	13		P
Nickel	ug/L	75 - 125	249		31.0		250	87		P
Potassium	ug/L	75 - 125	22400		17700		5000	95		P
Selenium	ug/L	75 - 125	939		10.0	U	1000	94		P
Silver	ug/L	75 - 125	11.6		5.00	U	37.5	31	N	P
Sodium	ug/L	75 - 125	124000		127000		1500	-195		P
Thallium	ug/L	75 - 125	825		13.9	J	1000	81		P
Vanadium	ug/L	75 - 125	170		42.5		150	85		P
Zinc	ug/L	75 - 125	2380		2390		100	-12		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1576
contract: GENV01 **lab code:** CHEM **case no.:** Q1576 **sas no.:** Q1576
matrix: Water **sample id:** Q1576-01 **client id:** MW14MSD
Percent Solids for Sample: NA **Spiked ID:** Q1576-01MSD **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	15800		14200		1000	158		P
Antimony	ug/L	75 - 125	375		2.18	J	400	93		P
Arsenic	ug/L	75 - 125	24700	D	28300	D	400	-879		P
Barium	ug/L	75 - 125	457		377		100	80		P
Beryllium	ug/L	75 - 125	91.4		1.76	J	100	90		P
Cadmium	ug/L	75 - 125	115		22.1		100	93		P
Calcium	ug/L	75 - 125	152000		151000		500	324		P
Chromium	ug/L	75 - 125	320		137		200	92		P
Cobalt	ug/L	75 - 125	106		10.3	J	100	96		P
Copper	ug/L	75 - 125	639		512		150	85		P
Iron	ug/L	75 - 125	184000		192000		1500	-522		P
Lead	ug/L	75 - 125	1400		1010		500	79		P
Magnesium	ug/L	75 - 125	18700		17500		1000	118		P
Manganese	ug/L	75 - 125	1190		1100		100	84		P
Nickel	ug/L	75 - 125	265		31.0		250	94		P
Potassium	ug/L	75 - 125	23200		17700		5000	110		P
Selenium	ug/L	75 - 125	995		10.0	U	1000	100		P
Silver	ug/L	75 - 125	11.3		5.00	U	37.5	30	N	P
Sodium	ug/L	75 - 125	128000		127000		1500	56		P
Thallium	ug/L	75 - 125	886		13.9	J	1000	87		P
Vanadium	ug/L	75 - 125	181		42.5		150	92		P
Zinc	ug/L	75 - 125	2520		2390		100	127		P