

metals
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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q2210
contract: GENV01 **lab code:** CHEM **case no.:** Q2210 **sas no.:** Q2210
matrix: Water **sample id:** Q2197-05 **client id:** DSN003MS
Percent Solids for Sample: NA **Spiked ID:** Q2197-05MS **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	1060		52.9		1000	101		P
Antimony	ug/L	75 - 125	433		25.0	U	400	108		P
Arsenic	ug/L	75 - 125	434		10.0	U	400	108		P
Barium	ug/L	75 - 125	184		85.7		100	98		P
Beryllium	ug/L	75 - 125	101		3.00	U	100	101		P
Cadmium	ug/L	75 - 125	102		3.00	U	100	102		P
Calcium	ug/L	75 - 125	58600		57800		500	167		P
Chromium	ug/L	75 - 125	208		2.00	J	200	103		P
Cobalt	ug/L	75 - 125	103		15.0	U	100	103		P
Copper	ug/L	75 - 125	159		5.15	J	150	102		P
Iron	ug/L	75 - 125	1650		147		1500	100		P
Lead	ug/L	75 - 125	480		6.00	U	500	96		P
Magnesium	ug/L	75 - 125	16400		15100		1000	127		P
Manganese	ug/L	75 - 125	246		149		100	97		P
Nickel	ug/L	75 - 125	266		10.1	J	250	102		P
Potassium	ug/L	75 - 125	18400		13700		5000	94		P
Selenium	ug/L	75 - 125	1050		10.0	U	1000	105		P
Silver	ug/L	75 - 125	34.5		5.00	U	37.5	92		P
Sodium	ug/L	75 - 125	143000		152000		1500	-601		P
Thallium	ug/L	75 - 125	921		20.0	U	1000	92		P
Vanadium	ug/L	75 - 125	154		20.0	U	150	103		P
Zinc	ug/L	75 - 125	182		73.5		100	108		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q2210
contract: GENV01 **lab code:** CHEM **case no.:** Q2210 **sas no.:** Q2210
matrix: Water **sample id:** Q2197-05 **client id:** DSN003MSD
Percent Solids for Sample: NA **Spiked ID:** Q2197-05MSD **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	1110		52.9		1000	106		P
Antimony	ug/L	75 - 125	454		25.0	U	400	114		P
Arsenic	ug/L	75 - 125	451		10.0	U	400	113		P
Barium	ug/L	75 - 125	196		85.7		100	111		P
Beryllium	ug/L	75 - 125	102		3.00	U	100	102		P
Cadmium	ug/L	75 - 125	105		3.00	U	100	105		P
Calcium	ug/L	75 - 125	61600		57800		500	754		P
Chromium	ug/L	75 - 125	216		2.00	J	200	107		P
Cobalt	ug/L	75 - 125	106		15.0	U	100	106		P
Copper	ug/L	75 - 125	164		5.15	J	150	106		P
Iron	ug/L	75 - 125	1790		147		1500	110		P
Lead	ug/L	75 - 125	493		6.00	U	500	99		P
Magnesium	ug/L	75 - 125	17000		15100		1000	190		P
Manganese	ug/L	75 - 125	260		149		100	111		P
Nickel	ug/L	75 - 125	273		10.1	J	250	105		P
Potassium	ug/L	75 - 125	20200		13700		5000	130	N	P
Selenium	ug/L	75 - 125	1090		10.0	U	1000	109		P
Silver	ug/L	75 - 125	36.9		5.00	U	37.5	98		P
Sodium	ug/L	75 - 125	158000		152000		1500	418		P
Thallium	ug/L	75 - 125	937		20.0	U	1000	94		P
Vanadium	ug/L	75 - 125	160		20.0	U	150	107		P
Zinc	ug/L	75 - 125	192		73.5		100	118		P

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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q2210
contract: GENV01 **lab code:** CHEM **case no.:** Q2210 **sas no.:** Q2210
matrix: Water **sample id:** Q2216-02 **client id:** 3887MS
Percent Solids for Sample: NA **Spiked ID:** Q2216-02MS **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	4.16		0.20	U	4.0	104		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q2210
contract: GENV01 **lab code:** CHEM **case no.:** Q2210 **sas no.:** Q2210
matrix: Water **sample id:** Q2216-02 **client id:** 3887MSD
Percent Solids for Sample: NA **Spiked ID:** Q2216-02MSD **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	3.65		0.20	U	4.0	91		CV