

metals
- 5a -
MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q3277
contract: GENV01 **lab code:** ACE
matrix: Solid **sample id:** Q3271-01 **client id:** 72-11929MS

Percent Solids for Sample: 90.1 **Spiked ID:** Q3271-01MS **Percent Solids for Spike Sample:** 90.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	14800		14700		100	92		P
Antimony	mg/Kg	75 - 125	12.5		2.35	U	40.4	31	N	P
Arsenic	mg/Kg	75 - 125	36.8		3.92		40.4	81		P
Barium	mg/Kg	75 - 125	117		118		10.1	-13		P
Beryllium	mg/Kg	75 - 125	9.25		1.33		10.1	78		P
Cadmium	mg/Kg	75 - 125	11.0		1.06		10.1	99		P
Calcium	mg/Kg	75 - 125	2050		2580		50.4	-1060		P
Chromium	mg/Kg	75 - 125	38.1		22.9		20.2	75		P
Cobalt	mg/Kg	75 - 125	26.0		18.9		10.1	71	N	P
Copper	mg/Kg	75 - 125	30.3		19.7		15.1	70	N	P
Iron	mg/Kg	75 - 125	30500		31600		150	-726		P
Lead	mg/Kg	75 - 125	71.9		26.2		50.4	91		P
Magnesium	mg/Kg	75 - 125	5640		5950		100	-315		P
Manganese	mg/Kg	75 - 125	577		629		10.1	-521		P
Nickel	mg/Kg	75 - 125	54.5		32.5		25.2	87		P
Potassium	mg/Kg	75 - 125	1990		1540		500	90		P
Selenium	mg/Kg	75 - 125	81.2		0.78	J	100	80		P
Silver	mg/Kg	75 - 125	4.19		0.87		3.8	88		P
Sodium	mg/Kg	75 - 125	281		168		150	76		P
Thallium	mg/Kg	75 - 125	94.1		1.88	U	100	94		P
Vanadium	mg/Kg	75 - 125	52.7		40.3		15.1	82		P
Zinc	mg/Kg	75 - 125	78.9		78.0		10.1	9		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q3277
contract: GENV01 **lab code:** ACE
matrix: Solid **sample id:** Q3271-01 **client id:** 72-11929MSD

Percent Solids for Sample: 90.1 **Spiked ID:** Q3271-01MSD **Percent Solids for Spike Sample:** 90.1

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	14900		14700		99.1	234		P
Antimony	mg/Kg	75 - 125	12.1		2.35	U	39.6	31	N	P
Arsenic	mg/Kg	75 - 125	36.2		3.92		39.6	81		P
Barium	mg/Kg	75 - 125	112		118		9.9	-65		P
Beryllium	mg/Kg	75 - 125	9.27		1.33		9.9	80		P
Cadmium	mg/Kg	75 - 125	10.9		1.06		9.9	100		P
Calcium	mg/Kg	75 - 125	1920		2580		49.5	-1326		P
Chromium	mg/Kg	75 - 125	37.7		22.9		19.8	75		P
Cobalt	mg/Kg	75 - 125	25.1		18.9		9.9	63	N	P
Copper	mg/Kg	75 - 125	29.9		19.7		14.9	68	N	P
Iron	mg/Kg	75 - 125	30100		31600		150	-993		P
Lead	mg/Kg	75 - 125	70.4		26.2		49.5	89		P
Magnesium	mg/Kg	75 - 125	5590		5950		99.1	-372		P
Manganese	mg/Kg	75 - 125	536		629		9.9	-939		P
Nickel	mg/Kg	75 - 125	53.5		32.5		24.8	85		P
Potassium	mg/Kg	75 - 125	1920		1540		500	76		P
Selenium	mg/Kg	75 - 125	79.0		0.78	J	99.1	79		P
Silver	mg/Kg	75 - 125	4.06		0.87		3.7	86		P
Sodium	mg/Kg	75 - 125	283		168		150	77		P
Thallium	mg/Kg	75 - 125	87.1		1.88	U	99.1	88		P
Vanadium	mg/Kg	75 - 125	50.1		40.3		14.9	66	N	P
Zinc	mg/Kg	75 - 125	77.7		78.0		9.9	-2		P

metals
- 5a -
MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q3277
contract: GENV01 **lab code:** ACE
matrix: Solid **sample id:** Q3290-01 **client id:** CL-02-100325MS

Percent Solids for Sample: 95.3 **Spiked ID:** Q3290-01MS **Percent Solids for Spike Sample:** 95.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.25		0.018		0.25	92		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	G Environmental	level:	low	sdg no.:	Q3277
contract:	GENV01			lab code:	ACE
matrix:	Solid	sample id:	Q3290-01	client id:	CL-02-100325MSD
Percent Solids for Sample:	95.3	Spiked ID:	Q3290-01MSD	Percent Solids for Spike Sample:	95.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.27		0.018		0.25	101		CV