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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q2503
contract: GENV01 **lab code:** ACE
matrix: Solid **sample id:** Q2491-01 **client id:** EO-1-070225MS
Percent Solids for Sample: 92.4 **Spiked ID:** Q2491-01MS **Percent Solids for Spike Sample:** 92.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.34		0.033		0.28	109		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client:	G Environmental	level:	low	sdg no.:	Q2503
contract:	GENV01			lab code:	ACE
matrix:	Solid	sample id:	Q2491-01	client id:	EO-1-070225MSD
Percent Solids for Sample:	92.4	Spiked ID:	Q2491-01MSD	Percent Solids for Spike Sample:	92.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.32		0.033		0.28	103		CV

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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q2503
contract: GENV01 **lab code:** ACE
matrix: Water **sample id:** Q2509-01 **client id:** AUD-25-0110-0111MS
Percent Solids for Sample: NA **Spiked ID:** Q2509-01MS **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	2.50		0.27		4.0	56	N	CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q2503
contract: GENV01 **lab code:** ACE
matrix: Water **sample id:** Q2509-01 **client id:** AUD-25-0110-0111MSD
Percent Solids for Sample: NA **Spiked ID:** Q2509-01MSD **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	2.52		0.27		4.0	56	N	CV

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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q2503
contract: GENV01 **lab code:** ACE
matrix: Water **sample id:** Q2512-01 **client id:** WATER TREATMENT DISCHARGEMS
Percent Solids for Sample: NA **Spiked ID:** Q2512-01MS **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	11700		11200		1000	47		P
Antimony	ug/L	75 - 125	395		3.70	J	400	98		P
Arsenic	ug/L	75 - 125	434		10.0	U	400	108		P
Barium	ug/L	75 - 125	98.6		50.0	U	100	99		P
Beryllium	ug/L	75 - 125	99.0		3.00	U	100	99		P
Cadmium	ug/L	75 - 125	109		3.00	U	100	109		P
Calcium	ug/L	75 - 125	6810		6510		500	59		P
Chromium	ug/L	75 - 125	336		138		200	99		P
Cobalt	ug/L	75 - 125	105		3.66	J	100	101		P
Copper	ug/L	75 - 125	142		8.21	J	150	89		P
Iron	ug/L	75 - 125	1720		186		1500	102		P
Lead	ug/L	75 - 125	494		6.00	U	500	99		P
Magnesium	ug/L	75 - 125	2190		1270		1000	92		P
Manganese	ug/L	75 - 125	147		10.5		100	136	N	P
Nickel	ug/L	75 - 125	298		38.8		250	104		P
Potassium	ug/L	75 - 125	129000	D	123000	D	5000	131		P
Selenium	ug/L	75 - 125	1020		10.0	U	1000	102		P
Silver	ug/L	75 - 125	34.3		5.00	U	37.5	92		P
Sodium	ug/L	75 - 125	693000		736000		1500	-2827		P
Thallium	ug/L	75 - 125	941		20.0	U	1000	94		P
Vanadium	ug/L	75 - 125	146		20.0	U	150	97		P
Zinc	ug/L	75 - 125	407		319		100	88		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q2503
contract: GENV01 **lab code:** ACE
matrix: Water **sample id:** Q2512-01 **client id:** WATER TREATMENT DISCHARGEMSD
Percent Solids for Sample: NA **Spiked ID:** Q2512-01MSD **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	11800		11200		1000	66		P
Antimony	ug/L	75 - 125	400		3.70	J	400	99		P
Arsenic	ug/L	75 - 125	446		10.0	U	400	112		P
Barium	ug/L	75 - 125	101		50.0	U	100	101		P
Beryllium	ug/L	75 - 125	101		3.00	U	100	101		P
Cadmium	ug/L	75 - 125	112		3.00	U	100	112		P
Calcium	ug/L	75 - 125	6890		6510		500	76		P
Chromium	ug/L	75 - 125	337		138		200	99		P
Cobalt	ug/L	75 - 125	107		3.66	J	100	103		P
Copper	ug/L	75 - 125	145		8.21	J	150	91		P
Iron	ug/L	75 - 125	1760		186		1500	105		P
Lead	ug/L	75 - 125	507		6.00	U	500	101		P
Magnesium	ug/L	75 - 125	2240		1270		1000	98		P
Manganese	ug/L	75 - 125	159		10.5		100	148	N	P
Nickel	ug/L	75 - 125	304		38.8		250	106		P
Potassium	ug/L	75 - 125	131000	D	123000	D	5000	168		P
Selenium	ug/L	75 - 125	1040		10.0	U	1000	104		P
Silver	ug/L	75 - 125	35.0		5.00	U	37.5	93		P
Sodium	ug/L	75 - 125	714000		736000		1500	-1450		P
Thallium	ug/L	75 - 125	959		20.0	U	1000	96		P
Vanadium	ug/L	75 - 125	153		20.0	U	150	102		P
Zinc	ug/L	75 - 125	412		319		100	93		P

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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q2503
contract: GENV01 **lab code:** ACE
matrix: Solid **sample id:** Q2515-01 **client id:** WC-1MS

Percent Solids for Sample: 87.5 **Spiked ID:** Q2515-01MS **Percent Solids for Spike Sample:** 87.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	10900		10000		100	856		P
Antimony	mg/Kg	75 - 125	11.3		1.79	J	41.2	23	N	P
Arsenic	mg/Kg	75 - 125	39.8		1.42		41.2	93		P
Barium	mg/Kg	75 - 125	62.0		46.6		10.3	150		P
Beryllium	mg/Kg	75 - 125	8.21		0.55		10.3	74	N	P
Cadmium	mg/Kg	75 - 125	10.2		0.30	U	10.3	99		P
Calcium	mg/Kg	75 - 125	1950		2090		51.5	-272		P
Chromium	mg/Kg	75 - 125	42.9		27.0		20.6	77		P
Cobalt	mg/Kg	75 - 125	26.6		20.1		10.3	63	N	P
Copper	mg/Kg	75 - 125	28.0		19.4		15.4	56	N	P
Iron	mg/Kg	75 - 125	15800		18900		150	-1957		P
Lead	mg/Kg	75 - 125	57.2		7.18		51.5	97		P
Magnesium	mg/Kg	75 - 125	3230		3810		100	-560		P
Manganese	mg/Kg	75 - 125	812		693		10.3	1156		P
Nickel	mg/Kg	75 - 125	43.1		21.0		25.7	86		P
Potassium	mg/Kg	75 - 125	657		245		510	80		P
Selenium	mg/Kg	75 - 125	73.3		4.97		100	66	N	P
Silver	mg/Kg	75 - 125	2.39		0.50	U	3.9	62	N	P
Sodium	mg/Kg	75 - 125	266		203		150	41	N	P
Thallium	mg/Kg	75 - 125	94.8		2.01	U	100	92		P
Vanadium	mg/Kg	75 - 125	51.6		57.6		15.4	-39	N	P
Zinc	mg/Kg	75 - 125	40.8		31.9		10.3	87		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>G Environmental</u>	level: <u>low</u>	sdg no.: <u>Q2503</u>
contract: <u>GENV01</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q2515-01</u>	client id: <u>WC-1MSD</u>

Percent Solids for Sample: 87.5	Spiked ID: Q2515-01MSD	Percent Solids for Spike Sample: 87.5
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Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	10900		10000		110	818		P
Antimony	mg/Kg	75 - 125	12.9		1.79	J	42.5	26	N	P
Arsenic	mg/Kg	75 - 125	42.5		1.42		42.5	97		P
Barium	mg/Kg	75 - 125	51.3		46.6		10.6	44		P
Beryllium	mg/Kg	75 - 125	8.67		0.55		10.6	76		P
Cadmium	mg/Kg	75 - 125	10.5		0.30	U	10.6	99		P
Calcium	mg/Kg	75 - 125	1920		2090		53.2	-316		P
Chromium	mg/Kg	75 - 125	44.6		27.0		21.3	83		P
Cobalt	mg/Kg	75 - 125	27.6		20.1		10.6	70	N	P
Copper	mg/Kg	75 - 125	30.3		19.4		15.9	68	N	P
Iron	mg/Kg	75 - 125	18900		18900		160	53		P
Lead	mg/Kg	75 - 125	60.7		7.18		53.2	101		P
Magnesium	mg/Kg	75 - 125	3380		3810		110	-398		P
Manganese	mg/Kg	75 - 125	533		693		10.6	-1507		P
Nickel	mg/Kg	75 - 125	44.5		21.0		26.6	89		P
Potassium	mg/Kg	75 - 125	674		245		530	81		P
Selenium	mg/Kg	75 - 125	76.8		4.97		110	68	N	P
Silver	mg/Kg	75 - 125	1.99		0.50	U	4.0	50	N	P
Sodium	mg/Kg	75 - 125	295		203		160	58	N	P
Thallium	mg/Kg	75 - 125	97.4		2.01	U	110	92		P
Vanadium	mg/Kg	75 - 125	67.0		57.6		15.9	59	N	P
Zinc	mg/Kg	75 - 125	42.1		31.9		10.6	96		P