

metals
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MATRIX SPIKE SUMMARY

client: Hero Construction **level:** low **sdg no.:** Q2928
contract: HERO01 **lab code:** ACE
matrix: Solid **sample id:** Q2933-04 **client id:** 29-SEPTICMS

Percent Solids for Sample: 86.3 **Spiked ID:** Q2933-04MS **Percent Solids for Spike Sample:** 86.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	7330		6390		100	941		P
Antimony	mg/Kg	75 - 125	23.0		2.52	U	41.4	56	N	P
Arsenic	mg/Kg	75 - 125	49.5		12.1		41.4	90		P
Barium	mg/Kg	75 - 125	22.7		13.9		10.3	86		P
Beryllium	mg/Kg	75 - 125	10.5		1.41		10.3	88		P
Cadmium	mg/Kg	75 - 125	11.0		0.61		10.3	101		P
Calcium	mg/Kg	75 - 125	669		625		51.7	86		P
Chromium	mg/Kg	75 - 125	100		71.7		20.7	137	N	P
Cobalt	mg/Kg	75 - 125	13.3		2.71		10.3	103		P
Copper	mg/Kg	75 - 125	21.8		8.35		15.5	87		P
Iron	mg/Kg	75 - 125	37300		32200		160	3139		P
Lead	mg/Kg	75 - 125	58.6		9.54		51.7	95		P
Magnesium	mg/Kg	75 - 125	2030		1610		100	413		P
Manganese	mg/Kg	75 - 125	48.9		38.6		10.3	100		P
Nickel	mg/Kg	75 - 125	32.0		5.69		25.9	102		P
Potassium	mg/Kg	75 - 125	6170		4590		520	304		P
Selenium	mg/Kg	75 - 125	85.8		0.90	J	100	85		P
Silver	mg/Kg	75 - 125	4.80		1.10		3.9	95		P
Sodium	mg/Kg	75 - 125	197		53.2	J	160	90		P
Thallium	mg/Kg	75 - 125	81.6		2.02	U	100	82		P
Vanadium	mg/Kg	75 - 125	56.8		38.2		15.5	120		P
Zinc	mg/Kg	75 - 125	59.2		45.1		10.3	136		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Hero Construction</u>	level: <u>low</u>	sdg no.: <u>Q2928</u>
contract: <u>HERO01</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q2933-04</u>	client id: <u>29-SEPTICMSD</u>

Percent Solids for Sample: 86.3	Spiked ID: Q2933-04MSD	Percent Solids for Spike Sample: 86.3
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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	7320		6390		110	842		P
Antimony	mg/Kg	75 - 125	23.0		2.52	U	42.9	54	N	P
Arsenic	mg/Kg	75 - 125	50.1		12.1		42.9	89		P
Barium	mg/Kg	75 - 125	22.9		13.9		10.7	84		P
Beryllium	mg/Kg	75 - 125	10.7		1.41		10.7	87		P
Cadmium	mg/Kg	75 - 125	11.1		0.61		10.7	99		P
Calcium	mg/Kg	75 - 125	677		625		53.6	97		P
Chromium	mg/Kg	75 - 125	97.8		71.7		21.5	121		P
Cobalt	mg/Kg	75 - 125	13.4		2.71		10.7	100		P
Copper	mg/Kg	75 - 125	21.6		8.35		16.1	82		P
Iron	mg/Kg	75 - 125	36100		32200		160	2409		P
Lead	mg/Kg	75 - 125	59.5		9.54		53.6	93		P
Magnesium	mg/Kg	75 - 125	2020		1610		110	366		P
Manganese	mg/Kg	75 - 125	46.7		38.6		10.7	76		P
Nickel	mg/Kg	75 - 125	32.3		5.69		26.8	99		P
Potassium	mg/Kg	75 - 125	6020		4590		540	264		P
Selenium	mg/Kg	75 - 125	87.0		0.90	J	110	78		P
Silver	mg/Kg	75 - 125	4.87		1.10		4.0	94		P
Sodium	mg/Kg	75 - 125	194		53.2	J	160	88		P
Thallium	mg/Kg	75 - 125	80.9		2.02	U	110	74	N	P
Vanadium	mg/Kg	75 - 125	55.6		38.2		16.1	108		P
Zinc	mg/Kg	75 - 125	58.1		45.1		10.7	121		P

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MATRIX SPIKE SUMMARY

client:	<u>Hero Construction</u>	level:	<u>low</u>	sdg no.:	<u>Q2928</u>
contract:	<u>HERO01</u>			lab code:	<u>ACE</u>
matrix:	<u>Solid</u>	sample id:	<u>Q2947-03</u>	client id:	<u>235MS</u>
Percent Solids for Sample:	98	Spiked ID:	Q2947-03MS	Percent Solids for Spike Sample:	98

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.28		0.051		0.24	94		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Hero Construction</u>	level:	<u>low</u>	sdg no.:	<u>Q2928</u>
contract:	<u>HERO01</u>			lab code:	<u>ACE</u>
matrix:	<u>Solid</u>	sample id:	<u>Q2947-03</u>	client id:	<u>235MSD</u>
Percent Solids for Sample:	98	Spiked ID:	Q2947-03MSD	Percent Solids for Spike Sample:	98

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.29		0.051		0.26	92		CV