

metals
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MATRIX SPIKE SUMMARY

client: <u>AECOM</u>	level: <u>low</u>	sdg no.: <u>Q3393</u>
contract: <u>AECO02</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q3395-02</u>	client id: <u>PR132-S07-000102-20251017MS</u>
Percent Solids for Sample: 47.9	Spiked ID: Q3395-03	Percent Solids for Spike Sample: 47.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	16800		15400		1700	84		P
Antimony	mg/Kg	75 - 125	80.1		0.23	J	87.0	92		P
Arsenic	mg/Kg	75 - 125	118		40.2		87.0	89		P
Barium	mg/Kg	75 - 125	850		294		430	128	N	P
Beryllium	mg/Kg	75 - 125	80.7		1.15		87.0	91		P
Cadmium	mg/Kg	75 - 125	92.6		10.4		87.0	94		P
Calcium	mg/Kg	75 - 125	16200		6070		8700	117		P
Chromium	mg/Kg	75 - 125	599	D	437	D	87.0	186		P
Cobalt	mg/Kg	75 - 125	91.2		13.1		87.0	90		P
Copper	mg/Kg	75 - 125	1200		417		870	90		P
Iron	mg/Kg	75 - 125	50900	D	48500	D	4300	56		P
Lead	mg/Kg	75 - 125	1230	D	546	D	430	157	N	P
Magnesium	mg/Kg	75 - 125	19200		8620		8700	122		P
Manganese	mg/Kg	75 - 125	1060		400		870	76		P
Nickel	mg/Kg	75 - 125	205	D	72.8	D	87.0	152	N	P
Mercury	mg/Kg	80 - 120	8.41	D	4.52	D	0.5	777		CV
Potassium	mg/Kg	75 - 125	6790		3350		4300	79		P
Selenium	mg/Kg	75 - 125	65.5		2.47		87.0	72	N	P
Silver	mg/Kg	75 - 125	18.1		8.09		87.0	11	N	P
Sodium	mg/Kg	75 - 125	19800		9850		8700	114		P
Thallium	mg/Kg	75 - 125	74.7		0.43		87.0	85		P
Vanadium	mg/Kg	75 - 125	159		66.4		87.0	106		P
Zinc	mg/Kg	75 - 125	1560		574		870	114		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>AECOM</u>	level: <u>low</u>	sdg no.: <u>Q3393</u>
contract: <u>AECO02</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q3395-02</u>	client id: <u>PR132-S07-000102-20251017MSD</u>
Percent Solids for Sample: 47.9	Spiked ID: Q3395-04	Percent Solids for Spike Sample: 47.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	16600		15400		1700	72		P
Antimony	mg/Kg	75 - 125	81.8		0.23	J	85.6	95		P
Arsenic	mg/Kg	75 - 125	115		40.2		85.6	88		P
Barium	mg/Kg	75 - 125	848		294		430	129	N	P
Beryllium	mg/Kg	75 - 125	77.1		1.15		85.6	89		P
Cadmium	mg/Kg	75 - 125	93.0		10.4		85.6	96		P
Calcium	mg/Kg	75 - 125	16200		6070		8600	119		P
Chromium	mg/Kg	75 - 125	586	D	437	D	85.6	174		P
Cobalt	mg/Kg	75 - 125	89.5		13.1		85.6	89		P
Copper	mg/Kg	75 - 125	1180		417		860	90		P
Iron	mg/Kg	75 - 125	49500	D	48500	D	4300	25		P
Lead	mg/Kg	75 - 125	1210	D	546	D	430	154	N	P
Magnesium	mg/Kg	75 - 125	18900		8620		8600	121		P
Manganese	mg/Kg	75 - 125	1050		400		860	76		P
Nickel	mg/Kg	75 - 125	201	D	72.8	D	85.6	150	N	P
Mercury	mg/Kg	80 - 120	8.56	D	4.52	D	0.49	824		CV
Potassium	mg/Kg	75 - 125	6680		3350		4300	78		P
Selenium	mg/Kg	75 - 125	64.8		2.47		85.6	73	N	P
Silver	mg/Kg	75 - 125	18.6		8.09		85.6	12	N	P
Sodium	mg/Kg	75 - 125	19500		9850		8600	113		P
Thallium	mg/Kg	75 - 125	71.9		0.43		85.6	83		P
Vanadium	mg/Kg	75 - 125	154		66.4		85.6	102		P
Zinc	mg/Kg	75 - 125	1540		574		860	113		P