

metals
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MATRIX SPIKE SUMMARY

client: <u>Tetra Tech, EMI</u>	level: <u>low</u>	sdg no.: <u>Q3765</u>
contract: <u>TETR16</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3765-05</u>	client id: <u>MC0KG1MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3765-06</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	86 - 115	1070		150		1000	92		P
Antimony	ug/L	88 - 113	446		69.0		400	94		P
Arsenic	ug/L	87 - 113	389		16.8		400	93		P
Barium	ug/L	88 - 113	115		22.1	J	100	92		P
Beryllium	ug/L	89 - 112	85.2		3.00	U	100	85	N	P
Cadmium	ug/L	88 - 113	405		363		100	41	N	P
Calcium	ug/L	87 - 113	7060		6350		500	142		P
Chromium	ug/L	90 - 113	197		6.20		200	96		P
Cobalt	ug/L	89 - 114	91.0		15.0	U	100	91		P
Copper	ug/L	86 - 114	238		101		150	91		P
Iron	ug/L	87 - 115	2650		1350		1500	87		P
Lead	ug/L	86 - 113	6310		9120		500	-563		P
Magnesium	ug/L	85 - 113	2340		1420		1000	92		P
Manganese	ug/L	90 - 114	167		57.0		100	110		P
Nickel	ug/L	88 - 113	245		23.3		250	89		P
Potassium	ug/L	86 - 114	6140		1580		5000	91		P
Selenium	ug/L	83 - 114	911		5.45	J	1000	91		P
Silver	ug/L	84 - 115	9.14		5.00	U	37.5	24	N	P
Sodium	ug/L	87 - 115	2630		1310		1500	88		P
Thallium	ug/L	85 - 114	840		5.50	J	1000	83	N	P
Vanadium	ug/L	90 - 111	143		20.0	U	150	95		P
Zinc	ug/L	87 - 115	516		421		100	94		P

metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Tetra Tech, EMI</u>	level: <u>low</u>	sdg no.: <u>Q3765</u>
contract: <u>TETR16</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3765-05</u>	client id: <u>MC0KG1MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3765-07</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	86 - 115	1040		150		1000	89		P
Antimony	ug/L	88 - 113	431		69.0		400	90		P
Arsenic	ug/L	87 - 113	373		16.8		400	89		P
Barium	ug/L	88 - 113	109		22.1	J	100	87	N	P
Beryllium	ug/L	89 - 112	82.4		3.00	U	100	82	N	P
Cadmium	ug/L	88 - 113	387		363		100	24	N	P
Calcium	ug/L	87 - 113	6670		6350		500	64		P
Chromium	ug/L	90 - 113	221		6.20		200	107		P
Cobalt	ug/L	89 - 114	87.4		15.0	U	100	87	N	P
Copper	ug/L	86 - 114	230		101		150	86		P
Iron	ug/L	87 - 115	2670		1350		1500	88		P
Lead	ug/L	86 - 113	6040		9120		500	-616		P
Magnesium	ug/L	85 - 113	2230		1420		1000	81	N	P
Manganese	ug/L	90 - 114	146		57.0		100	89	N	P
Nickel	ug/L	88 - 113	250		23.3		250	91		P
Potassium	ug/L	86 - 114	5730		1580		5000	83	N	P
Selenium	ug/L	83 - 114	879		5.45	J	1000	87		P
Silver	ug/L	84 - 115	10.1		5.00	U	37.5	27	N	P
Sodium	ug/L	87 - 115	2430		1310		1500	75	N	P
Thallium	ug/L	85 - 114	800		5.50	J	1000	79	N	P
Vanadium	ug/L	90 - 111	136		20.0	U	150	91		P
Zinc	ug/L	87 - 115	488		421		100	67		P