

metals
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MATRIX SPIKE SUMMARY

client: <u>Tetra Tech, EMI</u>	level: <u>low</u>	sdg no.: <u>Q3764</u>
contract: <u>TETR16</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3764-10</u>	client id: <u>MC0KE4MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3764-11</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	75 - 125	913		43.8	J	1000	87		P
Antimony	ug/L	75 - 125	381		18.7	J	400	90		P
Arsenic	ug/L	75 - 125	364		10.0	U	400	91		P
Barium	ug/L	75 - 125	102		18.6	J	100	84		P
Beryllium	ug/L	75 - 125	83.9		3.00	U	100	84		P
Cadmium	ug/L	75 - 125	92.0		10.2		100	82		P
Calcium	ug/L	75 - 125	12500		13200		500	-151		P
Chromium	ug/L	75 - 125	184		5.00	U	200	92		P
Cobalt	ug/L	75 - 125	86.2		15.0	U	100	86		P
Copper	ug/L	75 - 125	138		5.46	J	150	88		P
Iron	ug/L	75 - 125	1400		249		1500	76		P
Lead	ug/L	75 - 125	530		209		500	64	N	P
Magnesium	ug/L	75 - 125	6270		5970		1000	31		P
Manganese	ug/L	75 - 125	96.8		17.0		100	80		P
Nickel	ug/L	75 - 125	215		3.85	J	250	85		P
Potassium	ug/L	75 - 125	6560		2350		5000	84		P
Selenium	ug/L	75 - 125	889		10.0	U	1000	89		P
Silver	ug/L	75 - 125	32.6		5.00	U	37.5	87		P
Sodium	ug/L	75 - 125	2150		925	J	1500	81		P
Thallium	ug/L	75 - 125	891		2.26	J	1000	89		P
Vanadium	ug/L	75 - 125	136		20.0	U	150	91		P
Zinc	ug/L	75 - 125	104		19.2	J	100	85		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Tetra Tech, EMI</u>	level: <u>low</u>	sdg no.: <u>Q3764</u>
contract: <u>TETR16</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3764-10</u>	client id: <u>MC0KE4MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3764-12</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	75 - 125	971		43.8	J	1000	93		P
Antimony	ug/L	75 - 125	415		18.7	J	400	99		P
Arsenic	ug/L	75 - 125	394		10.0	U	400	98		P
Barium	ug/L	75 - 125	111		18.6	J	100	92		P
Beryllium	ug/L	75 - 125	86.4		3.00	U	100	86		P
Cadmium	ug/L	75 - 125	100		10.2		100	90		P
Calcium	ug/L	75 - 125	13600		13200		500	77		P
Chromium	ug/L	75 - 125	200		5.00	U	200	100		P
Cobalt	ug/L	75 - 125	93.9		15.0	U	100	94		P
Copper	ug/L	75 - 125	150		5.46	J	150	96		P
Iron	ug/L	75 - 125	1610		249		1500	91		P
Lead	ug/L	75 - 125	579		209		500	74	N	P
Magnesium	ug/L	75 - 125	6770		5970		1000	81		P
Manganese	ug/L	75 - 125	105		17.0		100	88		P
Nickel	ug/L	75 - 125	234		3.85	J	250	92		P
Potassium	ug/L	75 - 125	7430		2350		5000	101		P
Selenium	ug/L	75 - 125	971		10.0	U	1000	97		P
Silver	ug/L	75 - 125	36.1		5.00	U	37.5	96		P
Sodium	ug/L	75 - 125	2430		925	J	1500	100		P
Thallium	ug/L	75 - 125	952		2.26	J	1000	95		P
Vanadium	ug/L	75 - 125	145		20.0	U	150	97		P
Zinc	ug/L	75 - 125	115		19.2	J	100	96		P