

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Tetra Tech, EMI</u>	level: <u>low</u>	sdg no.: <u>Q3763</u>
contract: <u>TETR16</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3763-11</u>	client id: <u>MC0KF1MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3763-12</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	1020		13.7	J	1000	101		P
Antimony	ug/L	75 - 125	421		16.9	J	400	101		P
Arsenic	ug/L	75 - 125	390		10.0	U	400	98		P
Barium	ug/L	75 - 125	121		18.9	J	100	103		P
Beryllium	ug/L	75 - 125	92.5		3.00	U	100	92		P
Cadmium	ug/L	75 - 125	99.6		8.63		100	91		P
Calcium	ug/L	75 - 125	14700		13100		500	319		P
Chromium	ug/L	75 - 125	204		11.5		200	96		P
Cobalt	ug/L	75 - 125	94.6		15.0	U	100	95		P
Copper	ug/L	75 - 125	151		4.03	J	150	98		P
Iron	ug/L	75 - 125	1580		101		1500	99		P
Lead	ug/L	75 - 125	555		90.0		500	93		P
Magnesium	ug/L	75 - 125	7250		5740		1000	150		P
Manganese	ug/L	75 - 125	117		10.8		100	107		P
Nickel	ug/L	75 - 125	239		9.02	J	250	92		P
Potassium	ug/L	75 - 125	7490		2340		5000	103		P
Selenium	ug/L	75 - 125	958		10.0	U	1000	96		P
Silver	ug/L	75 - 125	20.9		5.00	U	37.5	56	N	P
Sodium	ug/L	75 - 125	2550		1020		1500	102		P
Thallium	ug/L	75 - 125	850		20.0	U	1000	85		P
Vanadium	ug/L	75 - 125	152		20.0	U	150	101		P
Zinc	ug/L	75 - 125	115		13.3	J	100	102		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Tetra Tech, EMI</u>	level: <u>low</u>	sdg no.: <u>Q3763</u>
contract: <u>TETR16</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3763-11</u>	client id: <u>MC0KF1MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3763-13</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	932		13.7	J	1000	92		P
Antimony	ug/L	75 - 125	398		16.9	J	400	95		P
Arsenic	ug/L	75 - 125	368		10.0	U	400	92		P
Barium	ug/L	75 - 125	113		18.9	J	100	94		P
Beryllium	ug/L	75 - 125	83.8		3.00	U	100	84		P
Cadmium	ug/L	75 - 125	93.4		8.63		100	85		P
Calcium	ug/L	75 - 125	13400		13100		500	69		P
Chromium	ug/L	75 - 125	202		11.5		200	95		P
Cobalt	ug/L	75 - 125	88.8		15.0	U	100	89		P
Copper	ug/L	75 - 125	143		4.03	J	150	93		P
Iron	ug/L	75 - 125	1570		101		1500	98		P
Lead	ug/L	75 - 125	523		90.0		500	87		P
Magnesium	ug/L	75 - 125	6570		5740		1000	82		P
Manganese	ug/L	75 - 125	105		10.8		100	95		P
Nickel	ug/L	75 - 125	232		9.02	J	250	89		P
Potassium	ug/L	75 - 125	7140		2340		5000	96		P
Selenium	ug/L	75 - 125	907		10.0	U	1000	91		P
Silver	ug/L	75 - 125	26.1		5.00	U	37.5	70	N	P
Sodium	ug/L	75 - 125	2450		1020		1500	95		P
Thallium	ug/L	75 - 125	820		20.0	U	1000	82		P
Vanadium	ug/L	75 - 125	139		20.0	U	150	93		P
Zinc	ug/L	75 - 125	108		13.3	J	100	95		P