

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Tetra Tech, EMI</u>	level: <u>low</u>	sdg no.: <u>Q3766</u>
contract: <u>TETR16</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3766-09</u>	client id: <u>MC0KH7MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3766-10</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	884		10.8	J	1000	87		P
Antimony	ug/L	75 - 125	385		10.3	J	400	94		P
Arsenic	ug/L	75 - 125	366		10.0	U	400	92		P
Barium	ug/L	75 - 125	103		16.4	J	100	86		P
Beryllium	ug/L	75 - 125	78.5		3.00	U	100	78		P
Cadmium	ug/L	75 - 125	340		268		100	71	N	P
Calcium	ug/L	75 - 125	6450		6310		500	28		P
Chromium	ug/L	75 - 125	186		5.00	U	200	93		P
Cobalt	ug/L	75 - 125	88.2		15.0	U	100	88		P
Copper	ug/L	75 - 125	155		17.1		150	92		P
Iron	ug/L	75 - 125	1600		188		1500	94		P
Lead	ug/L	75 - 125	958		570		500	78		P
Magnesium	ug/L	75 - 125	2130		1320		1000	81		P
Manganese	ug/L	75 - 125	135		50.6		100	84		P
Nickel	ug/L	75 - 125	233		17.5	J	250	86		P
Potassium	ug/L	75 - 125	6120		1650		5000	89		P
Selenium	ug/L	75 - 125	908		11.1		1000	90		P
Silver	ug/L	75 - 125	16.6		5.00	U	37.5	44	N	P
Sodium	ug/L	75 - 125	2630		1370		1500	84		P
Thallium	ug/L	75 - 125	856		3.95	J	1000	85		P
Vanadium	ug/L	75 - 125	133		20.0	U	150	89		P
Zinc	ug/L	75 - 125	459		391		100	67	N	P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Tetra Tech, EMI</u>	level: <u>low</u>	sdg no.: <u>Q3766</u>
contract: <u>TETR16</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3766-09</u>	client id: <u>MC0KH7MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3766-11</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	960		10.8	J	1000	95		P
Antimony	ug/L	75 - 125	403		10.3	J	400	98		P
Arsenic	ug/L	75 - 125	384		10.0	U	400	96		P
Barium	ug/L	75 - 125	109		16.4	J	100	92		P
Beryllium	ug/L	75 - 125	85.5		3.00	U	100	86		P
Cadmium	ug/L	75 - 125	350		268		100	82		P
Calcium	ug/L	75 - 125	6780		6310		500	94		P
Chromium	ug/L	75 - 125	194		5.00	U	200	97		P
Cobalt	ug/L	75 - 125	92.7		15.0	U	100	93		P
Copper	ug/L	75 - 125	161		17.1		150	96		P
Iron	ug/L	75 - 125	1660		188		1500	98		P
Lead	ug/L	75 - 125	992		570		500	84		P
Magnesium	ug/L	75 - 125	2250		1320		1000	93		P
Manganese	ug/L	75 - 125	143		50.6		100	93		P
Nickel	ug/L	75 - 125	244		17.5	J	250	90		P
Potassium	ug/L	75 - 125	6370		1650		5000	94		P
Selenium	ug/L	75 - 125	954		11.1		1000	94		P
Silver	ug/L	75 - 125	21.1		5.00	U	37.5	56	N	P
Sodium	ug/L	75 - 125	2720		1370		1500	90		P
Thallium	ug/L	75 - 125	849		3.95	J	1000	85		P
Vanadium	ug/L	75 - 125	143		20.0	U	150	95		P
Zinc	ug/L	75 - 125	475		391		100	84		P