

metals
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MATRIX SPIKE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** P5283
contract: TETR06 **lab code:** CHEM **case no.:** P5283 **sas no.:** P5283
matrix: Water **sample id:** P5287-05 **client id:** 220-2-TRANS-WATERMS
Percent Solids for Sample: NA **Spiked ID:** P5287-05MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	86 - 115	2640		1510		1000	113		P
Antimony	ug/L	88 - 113	354		25.0	U	400	88		P
Arsenic	ug/L	87 - 113	356		10.0	U	400	89		P
Barium	ug/L	88 - 113	109		13.2	J	100	96		P
Beryllium	ug/L	89 - 112	107		3.00	U	100	107		P
Cadmium	ug/L	88 - 113	93.7		3.00	U	100	94		P
Calcium	ug/L	87 - 113	9470		8640		500	166		P
Chromium	ug/L	90 - 113	208		2.11	J	200	103		P
Cobalt	ug/L	89 - 114	97.0		1.05	J	100	96		P
Copper	ug/L	86 - 114	155		12.6		150	95		P
Iron	ug/L	87 - 115	2610		1130		1500	99		P
Lead	ug/L	86 - 113	455		6.00	U	500	91		P
Magnesium	ug/L	85 - 113	3100		1960		1000	113		P
Manganese	ug/L	90 - 114	139		35.3		100	103		P
Mercury	ug/L	82 - 119	3.60		0.20	U	4.0	90		CV
Nickel	ug/L	88 - 113	242		3.95	J	250	95		P
Potassium	ug/L	86 - 114	7990		4080		5000	78	N	P
Selenium	ug/L	83 - 114	843		10.0	U	1000	84		P
Silver	ug/L	84 - 115	35.7		5.00	U	37.5	95		P
Sodium	ug/L	87 - 115	17700		17200		1500	33		P
Thallium	ug/L	85 - 114	875		20.0	U	1000	88		P
Vanadium	ug/L	90 - 111	159		5.48	J	150	102		P
Zinc	ug/L	87 - 115	129		32.2		100	97		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** P5283
contract: TETR06 **lab code:** CHEM **case no.:** P5283 **sas no.:** P5283
matrix: Water **sample id:** P5287-05 **client id:** 220-2-TRANS-WATERMSD
Percent Solids for Sample: NA **Spiked ID:** P5287-05MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	86 - 115	2620		1510		1000	111		P
Antimony	ug/L	88 - 113	353		25.0	U	400	88		P
Arsenic	ug/L	87 - 113	355		10.0	U	400	89		P
Barium	ug/L	88 - 113	109		13.2	J	100	96		P
Beryllium	ug/L	89 - 112	107		3.00	U	100	107		P
Cadmium	ug/L	88 - 113	94.2		3.00	U	100	94		P
Calcium	ug/L	87 - 113	9460		8640		500	165		P
Chromium	ug/L	90 - 113	209		2.11	J	200	103		P
Cobalt	ug/L	89 - 114	97.6		1.05	J	100	97		P
Copper	ug/L	86 - 114	155		12.6		150	95		P
Iron	ug/L	87 - 115	2590		1130		1500	98		P
Lead	ug/L	86 - 113	458		6.00	U	500	92		P
Magnesium	ug/L	85 - 113	3090		1960		1000	112		P
Manganese	ug/L	90 - 114	137		35.3		100	102		P
Mercury	ug/L	82 - 119	3.64		0.20	U	4.0	91		CV
Nickel	ug/L	88 - 113	243		3.95	J	250	96		P
Potassium	ug/L	86 - 114	8060		4080		5000	80	N	P
Selenium	ug/L	83 - 114	843		10.0	U	1000	84		P
Silver	ug/L	84 - 115	35.7		5.00	U	37.5	95		P
Sodium	ug/L	87 - 115	18000		17200		1500	54		P
Thallium	ug/L	85 - 114	885		20.0	U	1000	88		P
Vanadium	ug/L	90 - 111	159		5.48	J	150	102		P
Zinc	ug/L	87 - 115	130		32.2		100	98		P