

metals
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MATRIX SPIKE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** Q3017
contract: TETR06 **lab code:** ACE
matrix: Water **sample id:** Q3017-05 **client id:** TT-079-IDWGW-20250903MS
Percent Solids for Sample: NA **Spiked ID:** Q3017-05MS **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	14600	D	21700	D	1000	-710		P
Antimony	ug/L	88 - 113	398	D	125	UD	400	100		P
Arsenic	ug/L	87 - 113	385	D	50.0	UD	400	96		P
Barium	ug/L	88 - 113	244	JD	167	JD	100	77	N	P
Beryllium	ug/L	89 - 112	94.4	D	15.0	UD	100	93		P
Cadmium	ug/L	88 - 113	95.3	D	15.0	UD	100	95		P
Calcium	ug/L	87 - 113	9170	D	9470	D	500	-61		P
Chromium	ug/L	90 - 113	214	D	23.2	JD	200	96		P
Cobalt	ug/L	89 - 114	109	D	12.9	JD	100	96		P
Copper	ug/L	86 - 114	173	D	22.9	JD	150	100		P
Iron	ug/L	87 - 115	9320	D	9770	D	1500	-30		P
Lead	ug/L	86 - 113	485	D	23.8	JD	500	92		P
Magnesium	ug/L	85 - 113	4390	JD	4110	JD	1000	28		P
Manganese	ug/L	90 - 114	363	D	291	D	100	72	N	P
Mercury	ug/L	82 - 119	3.73		0.20	U	4.0	93		CV
Nickel	ug/L	88 - 113	256	D	17.0	JD	250	96		P
Potassium	ug/L	86 - 114	6290	D	5000	UD	5000	83	N	P
Selenium	ug/L	83 - 114	963	D	50.0	UD	1000	96		P
Silver	ug/L	84 - 115	36.2	D	25.0	UD	37.5	95		P
Sodium	ug/L	87 - 115	23000	D	23800	D	1500	-52		P
Thallium	ug/L	85 - 114	960	D	100	UD	1000	97		P
Vanadium	ug/L	90 - 111	161	D	22.9	JD	150	92		P
Zinc	ug/L	87 - 115	138	D	46.1	JD	100	92		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** Q3017
contract: TETR06 **lab code:** ACE
matrix: Water **sample id:** Q3017-05 **client id:** TT-079-IDWGW-20250903MSD
Percent Solids for Sample: NA **Spiked ID:** Q3017-05MSD **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	14600	D	21700	D	1000	-714		P
Antimony	ug/L	88 - 113	395	D	125	UD	400	100		P
Arsenic	ug/L	87 - 113	387	D	50.0	UD	400	97		P
Barium	ug/L	88 - 113	228	JD	167	JD	100	62	N	P
Beryllium	ug/L	89 - 112	100	D	15.0	UD	100	99		P
Cadmium	ug/L	88 - 113	94.9	D	15.0	UD	100	95		P
Calcium	ug/L	87 - 113	8980	D	9470	D	500	-98		P
Chromium	ug/L	90 - 113	215	D	23.2	JD	200	96		P
Cobalt	ug/L	89 - 114	108	D	12.9	JD	100	95		P
Copper	ug/L	86 - 114	174	D	22.9	JD	150	101		P
Iron	ug/L	87 - 115	8610	D	9770	D	1500	-77		P
Lead	ug/L	86 - 113	484	D	23.8	JD	500	92		P
Magnesium	ug/L	85 - 113	4330	JD	4110	JD	1000	22		P
Manganese	ug/L	90 - 114	356	D	291	D	100	66	N	P
Mercury	ug/L	82 - 119	3.72		0.20	U	4.0	93		CV
Nickel	ug/L	88 - 113	256	D	17.0	JD	250	96		P
Potassium	ug/L	86 - 114	5810	D	5000	UD	5000	73	N	P
Selenium	ug/L	83 - 114	967	D	50.0	UD	1000	96		P
Silver	ug/L	84 - 115	37.3	D	25.0	UD	37.5	98		P
Sodium	ug/L	87 - 115	20100	D	23800	D	1500	-245		P
Thallium	ug/L	85 - 114	976	D	100	UD	1000	98		P
Vanadium	ug/L	90 - 111	161	D	22.9	JD	150	92		P
Zinc	ug/L	87 - 115	203	D	46.1	JD	100	157	N	P