

metals
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MATRIX SPIKE SUMMARY

client: Xin Nie **level:** low **sdg no.:** Q2785
contract: XINN01 **lab code:** ACE
matrix: Water **sample id:** Q2785-01 **client id:** WATERMS
Percent Solids for Sample: NA **Spiked ID:** Q2785-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.83		0.20	U	4.0	96		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: Xin Nie **level:** low **sdg no.:** Q2785
contract: XINN01 **lab code:** ACE
matrix: Water **sample id:** Q2785-01 **client id:** WATERMSD
Percent Solids for Sample: NA **Spiked ID:** Q2785-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.83		0.20	U	4.0	96		CV

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MATRIX SPIKE SUMMARY

client: Xin Nie **level:** low **sdg no.:** Q2785
contract: XINN01 **lab code:** ACE
matrix: Water **sample id:** Q2811-02 **client id:** EFF-WASTE WATERMS
Percent Solids for Sample: NA **Spiked ID:** Q2811-02MS **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	75 - 125	976		50.3		1000	93		P
Antimony	ug/L	75 - 125	401		25.0	U	400	100		P
Arsenic	ug/L	75 - 125	399		10.0	U	400	100		P
Barium	ug/L	75 - 125	95.9		50.0	U	100	96		P
Beryllium	ug/L	75 - 125	83.6		3.00	U	100	84		P
Cadmium	ug/L	75 - 125	93.8		3.00	U	100	94		P
Calcium	ug/L	75 - 125	13000		12400		500	111		P
Chromium	ug/L	75 - 125	194		0.65	J	200	96		P
Cobalt	ug/L	75 - 125	94.8		15.0	U	100	95		P
Copper	ug/L	75 - 125	223		84.6		150	92		P
Iron	ug/L	75 - 125	1820		201		1500	108		P
Lead	ug/L	75 - 125	430		1.76	J	500	86		P
Magnesium	ug/L	75 - 125	3890		3000		1000	89		P
Manganese	ug/L	75 - 125	147		55.3		100	92		P
Nickel	ug/L	75 - 125	237		20.0	U	250	95		P
Potassium	ug/L	75 - 125	8360		2190		5000	123		P
Selenium	ug/L	75 - 125	999		3.58	J	1000	100		P
Silver	ug/L	75 - 125	31.1		5.00	U	37.5	83		P
Sodium	ug/L	75 - 125	530000		534000		1500	-222		P
Thallium	ug/L	75 - 125	759		20.0	U	1000	76		P
Vanadium	ug/L	75 - 125	143		20.0	U	150	95		P
Zinc	ug/L	75 - 125	303		203		100	99		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Xin Nie **level:** low **sdg no.:** Q2785
contract: XINN01 **lab code:** ACE
matrix: Water **sample id:** Q2811-02 **client id:** EFF-WASTE WATERMSD
Percent Solids for Sample: NA **Spiked ID:** Q2811-02MSD **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	75 - 125	1040		50.3		1000	99		P
Antimony	ug/L	75 - 125	432		25.0	U	400	108		P
Arsenic	ug/L	75 - 125	438		10.0	U	400	110		P
Barium	ug/L	75 - 125	101		50.0	U	100	101		P
Beryllium	ug/L	75 - 125	88.5		3.00	U	100	88		P
Cadmium	ug/L	75 - 125	100		3.00	U	100	100		P
Calcium	ug/L	75 - 125	14300		12400		500	380		P
Chromium	ug/L	75 - 125	203		0.65	J	200	101		P
Cobalt	ug/L	75 - 125	101		15.0	U	100	101		P
Copper	ug/L	75 - 125	243		84.6		150	106		P
Iron	ug/L	75 - 125	1970		201		1500	118		P
Lead	ug/L	75 - 125	465		1.76	J	500	93		P
Magnesium	ug/L	75 - 125	4260		3000		1000	126	N	P
Manganese	ug/L	75 - 125	157		55.3		100	102		P
Nickel	ug/L	75 - 125	253		20.0	U	250	101		P
Potassium	ug/L	75 - 125	9530		2190		5000	147	N	P
Selenium	ug/L	75 - 125	1100		3.58	J	1000	110		P
Silver	ug/L	75 - 125	34.9		5.00	U	37.5	93		P
Sodium	ug/L	75 - 125	584000		534000		1500	3361		P
Thallium	ug/L	75 - 125	925		20.0	U	1000	92		P
Vanadium	ug/L	75 - 125	151		20.0	U	150	101		P
Zinc	ug/L	75 - 125	342		203		100	138	N	P