

metals
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MATRIX SPIKE SUMMARY

client: Weston Solutions **level:** low **sdg no.:** Q1539
contract: WEST04 **lab code:** CHEM **case no.:** Q1539 **sas no.:** Q1539
matrix: Water **sample id:** Q1539-02 **client id:** TAPFTA-MW01I-031025-00-T2MS
Percent Solids for Sample: NA **Spiked ID:** Q1539-02MS **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	84 - 117	8610		67.3		10000	85		P
Antimony	ug/L	85 - 117	494		2.00	U	500	99		P
Arsenic	ug/L	84 - 116	16.2		16.9		500	0	N	P
Barium	ug/L	86 - 114	2190		14.7		2500	87		P
Beryllium	ug/L	83 - 121	430		1.00	U	500	86		P
Cadmium	ug/L	87 - 115	452		1.00	U	500	90		P
Calcium	ug/L	87 - 118	47500		1950		50000	91		P
Chromium	ug/L	85 - 116	459		0.65	J	500	92		P
Cobalt	ug/L	86 - 115	473		1.00	U	500	95		P
Copper	ug/L	85 - 118	4270		0.75	J	5000	85		P
Iron	ug/L	87 - 118	44700		24300		25000	82	N	P
Lead	ug/L	88 - 115	2360		0.40	J	2500	94		P
Magnesium	ug/L	83 - 118	46600		480	J	50000	92		P
Manganese	ug/L	87 - 115	4360		70.2		5000	86	N	P
Nickel	ug/L	85 - 117	465		0.35	J	500	93		P
Potassium	ug/L	87 - 115	21900		820		25000	84	N	P
Selenium	ug/L	80 - 120	490		5.00	U	500	98		P
Silver	ug/L	85 - 116	67.4		1.00	U	500	14	N	P
Sodium	ug/L	85 - 117	49600		3910		50000	91		P
Thallium	ug/L	82 - 116	469		1.00	U	500	94		P
Vanadium	ug/L	86 - 115	478		0.53	J	500	96		P
Zinc	ug/L	83 - 119	4360		1.87	J	5000	87		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Weston Solutions **level:** low **sdg no.:** Q1539
contract: WEST04 **lab code:** CHEM **case no.:** Q1539 **sas no.:** Q1539
matrix: Water **sample id:** Q1539-02 **client id:** TAPFTA-MW01I-031025-00-T2MSD
Percent Solids for Sample: NA **Spiked ID:** Q1539-02MSD **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	84 - 117	9040		67.3		10000	90		P
Antimony	ug/L	85 - 117	479		2.00	U	500	96		P
Arsenic	ug/L	84 - 116	16.0		16.9		500	0	N	P
Barium	ug/L	86 - 114	2110		14.7		2500	84	N	P
Beryllium	ug/L	83 - 121	421		1.00	U	500	84		P
Cadmium	ug/L	87 - 115	436		1.00	U	500	87		P
Calcium	ug/L	87 - 118	47500		1950		50000	91		P
Chromium	ug/L	85 - 116	453		0.65	J	500	90		P
Cobalt	ug/L	86 - 115	461		1.00	U	500	92		P
Copper	ug/L	85 - 118	4290		0.75	J	5000	86		P
Iron	ug/L	87 - 118	44400		24300		25000	81	N	P
Lead	ug/L	88 - 115	2340		0.40	J	2500	93		P
Magnesium	ug/L	83 - 118	46300		480	J	50000	92		P
Manganese	ug/L	87 - 115	4350		70.2		5000	86	N	P
Nickel	ug/L	85 - 117	460		0.35	J	500	92		P
Potassium	ug/L	87 - 115	22000		820		25000	85	N	P
Selenium	ug/L	80 - 120	475		5.00	U	500	95		P
Silver	ug/L	85 - 116	64.1		1.00	U	500	13	N	P
Sodium	ug/L	85 - 117	49600		3910		50000	91		P
Thallium	ug/L	82 - 116	460		1.00	U	500	92		P
Vanadium	ug/L	86 - 115	471		0.53	J	500	94		P
Zinc	ug/L	83 - 119	4330		1.87	J	5000	87		P

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MATRIX SPIKE SUMMARY

client: Weston Solutions **level:** low **sdg no.:** Q1539
contract: WEST04 **lab code:** CHEM **case no.:** Q1539 **sas no.:** Q1539
matrix: Water **sample id:** Q1541-01 **client id:** 205703MS
Percent Solids for Sample: NA **Spiked ID:** Q1541-01MS **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	82 - 119	3.94		0.20	U	4.0	98		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: Weston Solutions **level:** low **sdg no.:** Q1539
contract: WEST04 **lab code:** CHEM **case no.:** Q1539 **sas no.:** Q1539
matrix: Water **sample id:** Q1541-01 **client id:** 205703MSD
Percent Solids for Sample: NA **Spiked ID:** Q1541-01MSD **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	82 - 119	3.82		0.20	U	4.0	96		CV