

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Weston Solutions **level:** low **sdg no.:** Q1109
contract: WEST04 **lab code:** CHEM **case no.:** Q1109 **sas no.:** Q1109
matrix: Water **sample id:** Q1092-01 **client id:** 427MS
Percent Solids for Sample: NA **Spiked ID:** Q1092-01MS **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	3.30		0.30		4.0	75	N	CV

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MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Weston Solutions</u>	level:	<u>low</u>	sdg no.:	<u>Q1109</u>	
contract:	<u>WEST04</u>	lab code:	<u>CHEM</u>	case no.:	<u>Q1109</u>	sas no.: <u>Q1109</u>
matrix:	<u>Water</u>	sample id:	<u>Q1092-01</u>	client id:	<u>427MSD</u>	
Percent Solids for Sample:	<u>NA</u>	Spiked ID:	<u>Q1092-01MSD</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
Mercury	ug/L	82 - 119	3.04		0.30		4.0	69	N	CV

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MATRIX SPIKE SUMMARY

client: Weston Solutions **level:** low **sdg no.:** Q1109
contract: WEST04 **lab code:** CHEM **case no.:** Q1109 **sas no.:** Q1109
matrix: Water **sample id:** Q1109-02 **client id:** TAPIAL1-MW04S-011525-00-T2MS
Percent Solids for Sample: NA **Spiked ID:** Q1109-02MS **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	8230		453		10000	78	N	P
Antimony	ug/L	85 - 117	437		2.00	U	500	87		P
Arsenic	ug/L	84 - 116	1.05		0.75	J	500	0	N	P
Barium	ug/L	86 - 114	2020		27.7		2500	80	N	P
Beryllium	ug/L	83 - 121	412		0.19	J	500	82	N	P
Cadmium	ug/L	87 - 115	413		1.00	U	500	83	N	P
Calcium	ug/L	87 - 118	53100		11200		50000	84	N	P
Chromium	ug/L	85 - 116	410		1.58	J	500	82	N	P
Cobalt	ug/L	86 - 115	465		21.4		500	89		P
Copper	ug/L	85 - 118	4640		5.61		5000	93		P
Iron	ug/L	87 - 118	20500		665		25000	79	N	P
Lead	ug/L	88 - 115	2250		0.89	J	2500	90		P
Magnesium	ug/L	83 - 118	46700		3650		50000	86		P
Manganese	ug/L	87 - 115	4930		313		5000	92		P
Nickel	ug/L	85 - 117	457		13.1		500	89		P
Potassium	ug/L	87 - 115	20800		977		25000	79	N	P
Selenium	ug/L	80 - 120	434		5.00	U	500	87		P
Silver	ug/L	85 - 116	290		1.00	U	500	58	N	P
Sodium	ug/L	85 - 117	56400		15200		50000	82	N	P
Thallium	ug/L	82 - 116	426		0.090	J	500	85		P
Vanadium	ug/L	86 - 115	429		2.50	J	500	85	N	P
Zinc	ug/L	83 - 119	4500		5.94		5000	90		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Weston Solutions **level:** low **sdg no.:** Q1109
contract: WEST04 **lab code:** CHEM **case no.:** Q1109 **sas no.:** Q1109
matrix: Water **sample id:** Q1109-02 **client id:** TAPIAL1-MW04S-011525-00-T2MSD
Percent Solids for Sample: NA **Spiked ID:** Q1109-02MSD **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	8380		453		10000	79	N	P
Antimony	ug/L	85 - 117	443		2.00	U	500	89		P
Arsenic	ug/L	84 - 116	1.12		0.75	J	500	0	N	P
Barium	ug/L	86 - 114	2070		27.7		2500	82	N	P
Beryllium	ug/L	83 - 121	426		0.19	J	500	85		P
Cadmium	ug/L	87 - 115	418		1.00	U	500	84	N	P
Calcium	ug/L	87 - 118	52600		11200		50000	83	N	P
Chromium	ug/L	85 - 116	415		1.58	J	500	83	N	P
Cobalt	ug/L	86 - 115	472		21.4		500	90		P
Copper	ug/L	85 - 118	4670		5.61		5000	93		P
Iron	ug/L	87 - 118	20600		665		25000	80	N	P
Lead	ug/L	88 - 115	2250		0.89	J	2500	90		P
Magnesium	ug/L	83 - 118	47100		3650		50000	87		P
Manganese	ug/L	87 - 115	4910		313		5000	92		P
Nickel	ug/L	85 - 117	461		13.1		500	90		P
Potassium	ug/L	87 - 115	21200		977		25000	81	N	P
Selenium	ug/L	80 - 120	435		5.00	U	500	87		P
Silver	ug/L	85 - 116	210		1.00	U	500	42	N	P
Sodium	ug/L	85 - 117	57400		15200		50000	84	N	P
Thallium	ug/L	82 - 116	430		0.090	J	500	86		P
Vanadium	ug/L	86 - 115	436		2.50	J	500	87		P
Zinc	ug/L	83 - 119	4530		5.94		5000	90		P