

metals
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MATRIX SPIKE SUMMARY

client: Weston Solutions, Inc. **level:** low **sdg no.:** Q1421
contract: ROYF02 **lab code:** CHEM **case no.:** Q1421 **sas no.:** Q1421
matrix: Water **sample id:** Q1421-04 **client id:** P001-CLAY-CF01-01MS
Percent Solids for Sample: NA **Spiked ID:** Q1421-05 **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	1110		142		1000	97		P
Antimony	ug/L	75 - 125	401		25.0	U	400	100		P
Arsenic	ug/L	75 - 125	404		10.0	U	400	101		P
Barium	ug/L	75 - 125	145		52.3		100	92		P
Beryllium	ug/L	75 - 125	103		0.61	J	100	102		P
Cadmium	ug/L	75 - 125	92.7		3.00	U	100	93		P
Calcium	ug/L	75 - 125	21400		21200		500	42		P
Chromium	ug/L	75 - 125	197		5.00	U	200	98		P
Cobalt	ug/L	75 - 125	109		12.6	J	100	96		P
Copper	ug/L	75 - 125	164		9.80	J	150	103		P
Iron	ug/L	75 - 125	40700		40600		1500	10		P
Lead	ug/L	75 - 125	474		6.00	U	500	95		P
Magnesium	ug/L	75 - 125	5380		4480		1000	91		P
Manganese	ug/L	75 - 125	976		897		100	80		P
Mercury	ug/L	75 - 125	3.68		0.20	U	4.0	92		CV
Nickel	ug/L	75 - 125	268		28.8		250	96		P
Potassium	ug/L	75 - 125	6470		1820		5000	93		P
Selenium	ug/L	75 - 125	941		10.0	U	1000	94		P
Silver	ug/L	75 - 125	37.1		5.00	U	37.5	99		P
Sodium	ug/L	75 - 125	2330		956	J	1500	92		P
Thallium	ug/L	75 - 125	964		3.07	J	1000	96		P
Vanadium	ug/L	75 - 125	145		20.0	U	150	97		P
Zinc	ug/L	75 - 125	182		78.1		100	104		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Weston Solutions, Inc. **level:** low **sdg no.:** Q1421
contract: ROYF02 **lab code:** CHEM **case no.:** Q1421 **sas no.:** Q1421
matrix: Water **sample id:** Q1421-04 **client id:** P001-CLAY-CF01-01MSD
Percent Solids for Sample: NA **Spiked ID:** Q1421-06 **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	1120		142		1000	98		P
Antimony	ug/L	75 - 125	398		25.0	U	400	100		P
Arsenic	ug/L	75 - 125	405		10.0	U	400	101		P
Barium	ug/L	75 - 125	142		52.3		100	90		P
Beryllium	ug/L	75 - 125	106		0.61	J	100	105		P
Cadmium	ug/L	75 - 125	92.7		3.00	U	100	93		P
Calcium	ug/L	75 - 125	21600		21200		500	98		P
Chromium	ug/L	75 - 125	198		5.00	U	200	99		P
Cobalt	ug/L	75 - 125	108		12.6	J	100	96		P
Copper	ug/L	75 - 125	164		9.80	J	150	103		P
Iron	ug/L	75 - 125	39400		40600		1500	-81		P
Lead	ug/L	75 - 125	474		6.00	U	500	95		P
Magnesium	ug/L	75 - 125	5390		4480		1000	92		P
Manganese	ug/L	75 - 125	985		897		100	89		P
Mercury	ug/L	75 - 125	3.72		0.20	U	4.0	93		CV
Nickel	ug/L	75 - 125	268		28.8		250	96		P
Potassium	ug/L	75 - 125	6170		1820		5000	87		P
Selenium	ug/L	75 - 125	952		10.0	U	1000	95		P
Silver	ug/L	75 - 125	36.6		5.00	U	37.5	98		P
Sodium	ug/L	75 - 125	2310		956	J	1500	90		P
Thallium	ug/L	75 - 125	961		3.07	J	1000	96		P
Vanadium	ug/L	75 - 125	144		20.0	U	150	96		P
Zinc	ug/L	75 - 125	181		78.1		100	103		P