

metals
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MATRIX SPIKE SUMMARY

client: Weston Solutions, Inc. **level:** low **sdg no.:** Q1664
contract: ROYF02 **lab code:** CHEM **case no.:** Q1664 **sas no.:** Q1664
matrix: Water **sample id:** Q1664-04 **client id:** P001-BBDGA-001-01MS
Percent Solids for Sample: NA **Spiked ID:** Q1664-05 **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	8280		5040		1000	324		P
Antimony	ug/L	75 - 125	408		25.0	U	400	102		P
Arsenic	ug/L	75 - 125	399		10.0	U	400	100		P
Barium	ug/L	75 - 125	199		109		100	90		P
Beryllium	ug/L	75 - 125	86.9		1.22	J	100	86		P
Cadmium	ug/L	75 - 125	96.5		3.00	U	100	96		P
Calcium	ug/L	75 - 125	506000		463000		500	8472		P
Chromium	ug/L	75 - 125	210		21.9		200	94		P
Cobalt	ug/L	75 - 125	162		54.4		100	108		P
Copper	ug/L	75 - 125	771		323		150	298	N	P
Iron	ug/L	75 - 125	67900		60100		1500	520		P
Lead	ug/L	75 - 125	469		4.13	J	500	93		P
Magnesium	ug/L	75 - 125	56400		51300		1000	510		P
Manganese	ug/L	75 - 125	7920		6990		100	936		P
Mercury	ug/L	75 - 125	3.61		0.20	U	4.0	90		CV
Nickel	ug/L	75 - 125	321		63.4		250	103		P
Potassium	ug/L	75 - 125	6920		1340		5000	112		P
Selenium	ug/L	75 - 125	1000		10.0	U	1000	100		P
Silver	ug/L	75 - 125	36.4		5.00	U	37.5	97		P
Sodium	ug/L	75 - 125	20700		16600		1500	269		P
Thallium	ug/L	75 - 125	926		20.0	U	1000	93		P
Vanadium	ug/L	75 - 125	214		73.0		150	94		P
Zinc	ug/L	75 - 125	710		474		100	236		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Weston Solutions, Inc. **level:** low **sdg no.:** Q1664
contract: ROYF02 **lab code:** CHEM **case no.:** Q1664 **sas no.:** Q1664
matrix: Water **sample id:** Q1664-04 **client id:** P001-BBDGA-001-01MSD
Percent Solids for Sample: NA **Spiked ID:** Q1664-06 **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	7760		5040		1000	272		P
Antimony	ug/L	75 - 125	387		25.0	U	400	97		P
Arsenic	ug/L	75 - 125	376		10.0	U	400	94		P
Barium	ug/L	75 - 125	187		109		100	78		P
Beryllium	ug/L	75 - 125	80.2		1.22	J	100	79		P
Cadmium	ug/L	75 - 125	89.6		3.00	U	100	90		P
Calcium	ug/L	75 - 125	475000		463000		500	2315		P
Chromium	ug/L	75 - 125	196		21.9		200	87		P
Cobalt	ug/L	75 - 125	151		54.4		100	97		P
Copper	ug/L	75 - 125	736		323		150	275	N	P
Iron	ug/L	75 - 125	64600		60100		1500	295		P
Lead	ug/L	75 - 125	436		4.13	J	500	86		P
Magnesium	ug/L	75 - 125	52600		51300		1000	129		P
Manganese	ug/L	75 - 125	7460		6990		100	470		P
Mercury	ug/L	75 - 125	3.48		0.20	U	4.0	87		CV
Nickel	ug/L	75 - 125	300		63.4		250	95		P
Potassium	ug/L	75 - 125	6550		1340		5000	104		P
Selenium	ug/L	75 - 125	953		10.0	U	1000	95		P
Silver	ug/L	75 - 125	34.4		5.00	U	37.5	92		P
Sodium	ug/L	75 - 125	19800		16600		1500	209		P
Thallium	ug/L	75 - 125	858		20.0	U	1000	86		P
Vanadium	ug/L	75 - 125	200		73.0		150	84		P
Zinc	ug/L	75 - 125	669		474		100	195		P