

metals
- 5a -
MATRIX SPIKE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q1697
contract: JACO05 **lab code:** CHEM **case no.:** Q1697 **sas no.:** Q1697
matrix: Water **sample id:** Q1697-04 **client id:** IW-02-55-040125-FDMS
Percent Solids for Sample: NA **Spiked ID:** Q1697-04MS **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	9340		70.8		10000	93		P
Antimony	ug/L	75 - 125	485		2.00	U	500	97		P
Arsenic	ug/L	75 - 125	0.54	J	0.39	J	500	0	N	P
Barium	ug/L	75 - 125	2410		303		2500	84		P
Beryllium	ug/L	75 - 125	480		1.00	U	500	96		P
Cadmium	ug/L	75 - 125	481		1.00	U	500	96		P
Chromium	ug/L	75 - 125	468		0.86	J	500	93		P
Copper	ug/L	75 - 125	4300		2.00	U	5000	86		P
Iron	ug/L	75 - 125	27300		5440		25000	88		P
Lead	ug/L	75 - 125	2380		1.00	U	2500	95		P
Magnesium	ug/L	75 - 125	58200		8590		50000	99		P
Manganese	ug/L	75 - 125	4900		602		5000	86		P
Potassium	ug/L	75 - 125	24800		7150		25000	71	N	P
Selenium	ug/L	75 - 125	472		5.00	U	500	94		P
Sodium	ug/L	75 - 125	57500		6930		50000	101		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q1697
contract: JACO05 **lab code:** CHEM **case no.:** Q1697 **sas no.:** Q1697
matrix: Water **sample id:** Q1697-04 **client id:** IW-02-55-040125-FDMSD
Percent Solids for Sample: NA **Spiked ID:** Q1697-04MSD **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	9350		70.8		10000	93		P
Antimony	ug/L	75 - 125	490		2.00	U	500	98		P
Arsenic	ug/L	75 - 125	0.56	J	0.39	J	500	0	N	P
Barium	ug/L	75 - 125	2450		303		2500	86		P
Beryllium	ug/L	75 - 125	484		1.00	U	500	97		P
Cadmium	ug/L	75 - 125	487		1.00	U	500	97		P
Chromium	ug/L	75 - 125	472		0.86	J	500	94		P
Copper	ug/L	75 - 125	4360		2.00	U	5000	87		P
Iron	ug/L	75 - 125	27400		5440		25000	88		P
Lead	ug/L	75 - 125	2360		1.00	U	2500	94		P
Magnesium	ug/L	75 - 125	58900		8590		50000	101		P
Manganese	ug/L	75 - 125	4950		602		5000	87		P
Potassium	ug/L	75 - 125	25200		7150		25000	72	N	P
Selenium	ug/L	75 - 125	471		5.00	U	500	94		P
Sodium	ug/L	75 - 125	57800		6930		50000	102		P