

metals
- 5a -
MATRIX SPIKE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2878
contract: JACO05 **lab code:** ACE
matrix: Water **sample id:** Q2869-01 **client id:** MW-19B-71.5-081325MS
Percent Solids for Sample: NA **Spiked ID:** Q2869-01MS **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	75 - 125	4.18		0.20	U	4.0	104		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>JACOBS Engineering Group, Inc.</u>	level: <u>low</u>	sdg no.: <u>Q2878</u>
contract: <u>JACO05</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q2869-01</u>	client id: <u>MW-19B-71.5-081325MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2869-01MSD</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	75 - 125	4.13		0.20	U	4.0	103		CV

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MATRIX SPIKE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2878
contract: JACO05 **lab code:** ACE
matrix: Water **sample id:** Q2878-01 **client id:** MW-18B-57.5-081325MS
Percent Solids for Sample: NA **Spiked ID:** Q2878-01MS **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	9190		935		10000	83		P
Antimony	ug/L	75 - 125	469		1.69	J	500	94		P
Arsenic	ug/L	75 - 125	459		0.99	J	500	92		P
Barium	ug/L	75 - 125	2380		285		2500	84		P
Beryllium	ug/L	75 - 125	460		1.00	U	500	92		P
Cadmium	ug/L	75 - 125	463		1.00	U	500	93		P
Calcium	ug/L	75 - 125	125000		89300		50000	71	N	P
Chromium	ug/L	75 - 125	438		2.00	U	500	88		P
Cobalt	ug/L	75 - 125	466		5.72		500	92		P
Copper	ug/L	75 - 125	4170		2.00	U	5000	83		P
Iron	ug/L	75 - 125	24600		4590		25000	80		P
Lead	ug/L	75 - 125	2290		1.00	U	2500	92		P
Magnesium	ug/L	75 - 125	55400		9790		50000	91		P
Manganese	ug/L	75 - 125	4700		534		5000	83		P
Nickel	ug/L	75 - 125	456		11.0		500	89		P
Potassium	ug/L	75 - 125	39100		20700		25000	74	N	P
Selenium	ug/L	75 - 125	459		5.00	U	500	92		P
Silver	ug/L	75 - 125	76.7		1.00	U	500	15	N	P
Sodium	ug/L	75 - 125	66800		22100		50000	89		P
Thallium	ug/L	75 - 125	451		0.080	J	500	90		P
Vanadium	ug/L	75 - 125	462		1.78	J	500	92		P
Zinc	ug/L	75 - 125	4210		5.00	U	5000	84		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2878
contract: JACO05 **lab code:** ACE
matrix: Water **sample id:** Q2878-01 **client id:** MW-18B-57.5-081325MSD
Percent Solids for Sample: NA **Spiked ID:** Q2878-01MSD **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	9170		935		10000	82		P
Antimony	ug/L	75 - 125	473		1.69	J	500	94		P
Arsenic	ug/L	75 - 125	459		0.99	J	500	92		P
Barium	ug/L	75 - 125	2390		285		2500	84		P
Beryllium	ug/L	75 - 125	457		1.00	U	500	91		P
Cadmium	ug/L	75 - 125	470		1.00	U	500	94		P
Calcium	ug/L	75 - 125	129000		89300		50000	80		P
Chromium	ug/L	75 - 125	449		2.00	U	500	90		P
Cobalt	ug/L	75 - 125	469		5.72		500	93		P
Copper	ug/L	75 - 125	4240		2.00	U	5000	85		P
Iron	ug/L	75 - 125	25200		4590		25000	83		P
Lead	ug/L	75 - 125	2260		1.00	U	2500	90		P
Magnesium	ug/L	75 - 125	56200		9790		50000	93		P
Manganese	ug/L	75 - 125	4690		534		5000	83		P
Nickel	ug/L	75 - 125	470		11.0		500	92		P
Potassium	ug/L	75 - 125	41000		20700		25000	81		P
Selenium	ug/L	75 - 125	465		5.00	U	500	93		P
Silver	ug/L	75 - 125	78.0		1.00	U	500	16	N	P
Sodium	ug/L	75 - 125	68400		22100		50000	93		P
Thallium	ug/L	75 - 125	449		0.080	J	500	90		P
Vanadium	ug/L	75 - 125	470		1.78	J	500	94		P
Zinc	ug/L	75 - 125	4270		5.00	U	5000	85		P