

metals
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MATRIX SPIKE SUMMARY

client: ICE Service Group, Inc.	level: low	sdg no.: Q3400
contract: ICES02		lab code: ACE
matrix: Water	sample id: Q3370-01	client id: WATER-TREATMENT DISCHARGEMS
Percent Solids for Sample: NA	Spiked ID: Q3370-01MS	Percent Solids for Spike Sample: NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	87 - 113	382		10.0	U	400	96		P
Barium	ug/L	88 - 113	115		23.9	J	100	91		P
Cadmium	ug/L	88 - 113	87.9		3.00	U	100	88	N	P
Chromium	ug/L	90 - 113	202		15.2		200	93		P
Copper	ug/L	86 - 114	157		17.7		150	93		P
Lead	ug/L	86 - 113	423		6.00	U	500	85	N	P
Nickel	ug/L	88 - 113	244		16.9	J	250	91		P
Selenium	ug/L	83 - 114	958		10.0	U	1000	96		P
Silver	ug/L	84 - 115	33.2		5.00	U	37.5	88		P
Zinc	ug/L	87 - 115	777		661		100	116		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: ICE Service Group, Inc.	level: low	sdg no.: Q3400
contract: ICES02		lab code: ACE
matrix: Water	sample id: Q3370-01	client id: WATER-TREATMENT DISCHARGEMSD
Percent Solids for Sample: NA	Spiked ID: Q3370-01MSD	Percent Solids for Spike Sample: NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	87 - 113	383		10.0	U	400	96		P
Barium	ug/L	88 - 113	117		23.9	J	100	93		P
Cadmium	ug/L	88 - 113	88.5		3.00	U	100	88		P
Chromium	ug/L	90 - 113	200		15.2		200	93		P
Copper	ug/L	86 - 114	158		17.7		150	93		P
Lead	ug/L	86 - 113	427		6.00	U	500	85	N	P
Nickel	ug/L	88 - 113	245		16.9	J	250	91		P
Selenium	ug/L	83 - 114	961		10.0	U	1000	96		P
Silver	ug/L	84 - 115	33.5		5.00	U	37.5	89		P
Zinc	ug/L	87 - 115	761		661		100	100		P

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MATRIX SPIKE SUMMARY

client: ICE Service Group, Inc. **level:** low **sdg no.:** Q3400
contract: ICES02 **lab code:** ACE
matrix: Water **sample id:** Q3400-01 **client id:** FRAC-TANK-0760450MS
Percent Solids for Sample: NA **Spiked ID:** Q3400-01MS **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	4.49		0.15	J	4.0	109		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: ICE Service Group, Inc. **level:** low **sdg no.:** Q3400
contract: ICES02 **lab code:** ACE
matrix: Water **sample id:** Q3400-01 **client id:** FRAC-TANK-0760450MSD
Percent Solids for Sample: NA **Spiked ID:** Q3400-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	3.74		0.15	J	4.0	90		CV