

metals
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MATRIX SPIKE SUMMARY

client: Lockwood, Kessler & Bartlett, Inc. **level:** low **sdg no.:** Q3560
contract: LOCK01 **lab code:** ACE
matrix: Water **sample id:** Q3566-01 **client id:** WATER-TREATMENT DISCHARGEMS
Percent Solids for Sample: NA **Spiked ID:** Q3566-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	75 - 125	405		25.0	U	400	101		P
Arsenic	ug/L	75 - 125	420		10.0	U	400	105		P
Barium	ug/L	75 - 125	108		50.0	U	100	108		P
Beryllium	ug/L	75 - 125	100		3.00	U	100	100		P
Cadmium	ug/L	75 - 125	108		3.00	U	100	108		P
Chromium	ug/L	75 - 125	377		160		200	109		P
Cobalt	ug/L	75 - 125	110		15.0	U	100	110		P
Copper	ug/L	75 - 125	159		6.36	J	150	101		P
Iron	ug/L	75 - 125	1730		55.0		1500	112		P
Lead	ug/L	75 - 125	509		6.00	U	500	102		P
Manganese	ug/L	75 - 125	112		9.92	J	100	102		P
Nickel	ug/L	75 - 125	277		6.37	J	250	108		P
Potassium	ug/L	75 - 125	146000		135000		5000	207		P
Selenium	ug/L	75 - 125	1020		10.0	U	1000	102		P
Silver	ug/L	75 - 125	35.6		5.00	U	37.5	95		P
Sodium	ug/L	75 - 125	732000		703000		1500	1921		P
Thallium	ug/L	75 - 125	930		20.0	U	1000	93		P
Vanadium	ug/L	75 - 125	154		20.0	U	150	103		P
Zinc	ug/L	75 - 125	160		49.7		100	111		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Lockwood, Kessler & Bartlett, Inc. **level:** low **sdg no.:** Q3560
contract: LOCK01 **lab code:** ACE
matrix: Water **sample id:** Q3566-01 **client id:** WATER-TREATMENT DISCHARGEMSD
Percent Solids for Sample: NA **Spiked ID:** Q3566-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	75 - 125	363		25.0	U	400	91		P
Arsenic	ug/L	75 - 125	410		10.0	U	400	102		P
Barium	ug/L	75 - 125	103		50.0	U	100	103		P
Beryllium	ug/L	75 - 125	96.7		3.00	U	100	97		P
Cadmium	ug/L	75 - 125	104		3.00	U	100	104		P
Chromium	ug/L	75 - 125	422		160		200	131	N	P
Cobalt	ug/L	75 - 125	105		15.0	U	100	105		P
Copper	ug/L	75 - 125	154		6.36	J	150	99		P
Iron	ug/L	75 - 125	1950		55.0		1500	126	N	P
Lead	ug/L	75 - 125	495		6.00	U	500	99		P
Manganese	ug/L	75 - 125	108		9.92	J	100	98		P
Nickel	ug/L	75 - 125	273		6.37	J	250	107		P
Potassium	ug/L	75 - 125	138000		135000		5000	59		P
Selenium	ug/L	75 - 125	992		10.0	U	1000	99		P
Silver	ug/L	75 - 125	35.4		5.00	U	37.5	94		P
Sodium	ug/L	75 - 125	684000		703000		1500	-1302		P
Thallium	ug/L	75 - 125	856		20.0	U	1000	86		P
Vanadium	ug/L	75 - 125	149		20.0	U	150	99		P
Zinc	ug/L	75 - 125	155		49.7		100	105		P