

metals
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MATRIX SPIKE SUMMARY

client: ENTACT **level:** low **sdg no.:** Q2001
contract: ENTA05 **lab code:** CHEM **case no.:** Q2001 **sas no.:** Q2001
matrix: Water **sample id:** Q2001-11 **client id:** WC-A1-06-CMS
Percent Solids for Sample: NA **Spiked ID:** Q2001-11MS **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	75 - 125	4330	100	U		4000	108		P
Barium	ug/L	75 - 125	1350	373	J		1000	98		P
Cadmium	ug/L	75 - 125	1060	30.0	U		1000	106		P
Chromium	ug/L	75 - 125	2160	37.3	J		2000	106		P
Copper	ug/L	75 - 125	1540	29.9	J		1500	101		P
Lead	ug/L	75 - 125	5040	60.0	U		5000	101		P
Nickel	ug/L	75 - 125	2570	200	U		2500	103		P
Selenium	ug/L	75 - 125	10600	100	U		10000	106		P
Silver	ug/L	75 - 125	259	50.0	U		380	68	N	P
Zinc	ug/L	75 - 125	1080	200	U		1000	108		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: ENTACT **level:** low **sdg no.:** Q2001
contract: ENTA05 **lab code:** CHEM **case no.:** Q2001 **sas no.:** Q2001
matrix: Water **sample id:** Q2001-11 **client id:** WC-A1-06-CMSD
Percent Solids for Sample: NA **Spiked ID:** Q2001-11MSD **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	75 - 125	4310		100	U	4000	108		P
Barium	ug/L	75 - 125	1330		373	J	1000	96		P
Cadmium	ug/L	75 - 125	1050		30.0	U	1000	105		P
Chromium	ug/L	75 - 125	2060		37.3	J	2000	101		P
Copper	ug/L	75 - 125	1510		29.9	J	1500	98		P
Lead	ug/L	75 - 125	5010		60.0	U	5000	100		P
Nickel	ug/L	75 - 125	2530		200	U	2500	101		P
Selenium	ug/L	75 - 125	10500		100	U	10000	105		P
Silver	ug/L	75 - 125	254		50.0	U	380	67	N	P
Zinc	ug/L	75 - 125	1060		200	U	1000	106		P

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MATRIX SPIKE SUMMARY

client: ENTACT **level:** low **sdg no.:** Q2001
contract: ENTA05 **lab code:** CHEM **case no.:** Q2001 **sas no.:** Q2001
matrix: Water **sample id:** Q2007-36 **client id:** OR-636-COMP-15MS
Percent Solids for Sample: NA **Spiked ID:** Q2007-36MS **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	36.0		2.00	U	40.0	90		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>ENTACT</u>	level:	<u>low</u>	sdg no.:	<u>Q2001</u>		
contract:	<u>ENTA05</u>	lab code:	<u>CHEM</u>	case no.:	<u>Q2001</u>	sas no.:	<u>Q2001</u>
matrix:	<u>Water</u>	sample id:	<u>Q2007-36</u>	client id:	<u>OR-636-COMP-15MSD</u>		
Percent Solids for Sample:	<u>NA</u>	Spiked ID:	<u>Q2007-36MSD</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	32.5		2.00	U	40.0	81		CV

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MATRIX SPIKE SUMMARY

client: ENTACT **level:** low **sdg no.:** Q2001
contract: ENTA05 **lab code:** CHEM **case no.:** Q2001 **sas no.:** Q2001
matrix: Water **sample id:** Q2017-08 **client id:** MH-JMS
Percent Solids for Sample: NA **Spiked ID:** Q2017-08MS **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	75 - 125	4430		100	U	4000	111		P
Barium	ug/L	75 - 125	2660		1480		1000	118		P
Cadmium	ug/L	75 - 125	1120		30.0	U	1000	112		P
Chromium	ug/L	75 - 125	2250		50.0	U	2000	112		P
Copper	ug/L	75 - 125	1620		57.7	J	1500	104		P
Lead	ug/L	75 - 125	5340		60.0	U	5000	107		P
Nickel	ug/L	75 - 125	2700		200	U	2500	108		P
Selenium	ug/L	75 - 125	10600		100	U	10000	106		P
Silver	ug/L	75 - 125	403		50.0	U	380	106		P
Zinc	ug/L	75 - 125	1460		331		1000	113		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: ENTACT **level:** low **sdg no.:** Q2001
contract: ENTA05 **lab code:** CHEM **case no.:** Q2001 **sas no.:** Q2001
matrix: Water **sample id:** Q2017-08 **client id:** MH-JMSD
Percent Solids for Sample: NA **Spiked ID:** Q2017-08MSD **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	75 - 125	4570		100	U	4000	114		P
Barium	ug/L	75 - 125	2530		1480		1000	105		P
Cadmium	ug/L	75 - 125	1160		30.0	U	1000	116		P
Chromium	ug/L	75 - 125	2310		50.0	U	2000	116		P
Copper	ug/L	75 - 125	1670		57.7	J	1500	108		P
Lead	ug/L	75 - 125	5530		60.0	U	5000	111		P
Nickel	ug/L	75 - 125	2880		200	U	2500	115		P
Selenium	ug/L	75 - 125	11000		100	U	10000	110		P
Silver	ug/L	75 - 125	407		50.0	U	380	107		P
Zinc	ug/L	75 - 125	1440		331		1000	111		P