

metals
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MATRIX SPIKE SUMMARY

client: Walsh Construction Company II, LLC **level:** low **sdg no.:** P4722
contract: WALS01 **lab code:** CHEM **case no.:** P4722 **sas no.:** P4722
matrix: Water **sample id:** P4722-15 **client id:** WC-3(0-6)MS
Percent Solids for Sample: NA **Spiked ID:** P4722-15MS **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	983		29.5	J	1000	95		P
Antimony	ug/L	75 - 125	390		2.70	J	400	97		P
Arsenic	ug/L	75 - 125	396		10.0	U	400	99		P
Barium	ug/L	75 - 125	172		76.6		100	96		P
Beryllium	ug/L	75 - 125	93.8		3.00	U	100	94		P
Cadmium	ug/L	75 - 125	89.8		0.32	J	100	90		P
Calcium	ug/L	75 - 125	165000		167000		500	-452		P
Chromium	ug/L	75 - 125	188		1.28	J	200	94		P
Cobalt	ug/L	75 - 125	91.5		15.0	U	100	92		P
Copper	ug/L	75 - 125	149		10.4		150	92		P
Iron	ug/L	75 - 125	1510		96.2		1500	94		P
Lead	ug/L	75 - 125	451		12.8		500	88		P
Magnesium	ug/L	75 - 125	7610		6910		1000	70		P
Manganese	ug/L	75 - 125	116		21.7		100	94		P
Mercury	ug/L	75 - 125	4.03		0.20	U	4.0	101		CV
Nickel	ug/L	75 - 125	231		3.85	J	250	91		P
Potassium	ug/L	75 - 125	8110		3330		5000	96		P
Selenium	ug/L	75 - 125	927		10.0	U	1000	93		P
Silver	ug/L	75 - 125	35.7		5.00	U	37.5	95		P
Sodium	ug/L	75 - 125	20300		19600		1500	47		P
Thallium	ug/L	75 - 125	869		20.0	U	1000	87		P
Vanadium	ug/L	75 - 125	145		20.0	U	150	97		P
Zinc	ug/L	75 - 125	152		55.1		100	96		P

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MATRIX SPIKE DUPLICATE SUMMARY

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contract: WALS01 **lab code:** CHEM **case no.:** P4722 **sas no.:** P4722
matrix: Water **sample id:** P4722-15 **client id:** WC-3(0-6)MSD
Percent Solids for Sample: NA **Spiked ID:** P4722-15MSD **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	1010		29.5	J	1000	99		P
Antimony	ug/L	75 - 125	405		2.70	J	400	101		P
Arsenic	ug/L	75 - 125	414		10.0	U	400	104		P
Barium	ug/L	75 - 125	176		76.6		100	99		P
Beryllium	ug/L	75 - 125	96.0		3.00	U	100	96		P
Cadmium	ug/L	75 - 125	93.5		0.32	J	100	93		P
Calcium	ug/L	75 - 125	167000		167000		500	16		P
Chromium	ug/L	75 - 125	195		1.28	J	200	97		P
Cobalt	ug/L	75 - 125	94.9		15.0	U	100	95		P
Copper	ug/L	75 - 125	155		10.4		150	97		P
Iron	ug/L	75 - 125	1580		96.2		1500	99		P
Lead	ug/L	75 - 125	468		12.8		500	91		P
Magnesium	ug/L	75 - 125	7740		6910		1000	83		P
Manganese	ug/L	75 - 125	119		21.7		100	98		P
Mercury	ug/L	75 - 125	4.41		0.20	U	4.0	110		CV
Nickel	ug/L	75 - 125	240		3.85	J	250	94		P
Potassium	ug/L	75 - 125	8410		3330		5000	102		P
Selenium	ug/L	75 - 125	982		10.0	U	1000	98		P
Silver	ug/L	75 - 125	37.1		5.00	U	37.5	99		P
Sodium	ug/L	75 - 125	20900		19600		1500	88		P
Thallium	ug/L	75 - 125	925		20.0	U	1000	92		P
Vanadium	ug/L	75 - 125	150		20.0	U	150	100		P
Zinc	ug/L	75 - 125	157		55.1		100	102		P

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client: Walsh Construction Company II, LLC **level:** low **sdg no.:** P4722
contract: WALS01 **lab code:** CHEM **case no.:** P4722 **sas no.:** P4722
matrix: Water **sample id:** P4718-03 **client id:** WB-307-SB02MS
Percent Solids for Sample: NA **Spiked ID:** P4718-03MS **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	4010		100	U	4000	100		P
Barium	ug/L	75 - 125	2780		1850		1000	94		P
Cadmium	ug/L	75 - 125	1120		30.0	U	1000	112		P
Chromium	ug/L	75 - 125	2340		16.1	J	2000	116		P
Lead	ug/L	75 - 125	5130		60.0	U	5000	103		P
Mercury	ug/L	75 - 125	33.6		2.00	U	40.0	84		CV
Selenium	ug/L	75 - 125	9590		100	U	10000	96		P
Silver	ug/L	75 - 125	362		50.0	U	380	95		P

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contract: WALS01 **lab code:** CHEM **case no.:** P4722 **sas no.:** P4722
matrix: Water **sample id:** P4718-03 **client id:** WB-307-SB02MSD
Percent Solids for Sample: NA **Spiked ID:** P4718-03MSD **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	3850		100	U	4000	96		P
Barium	ug/L	75 - 125	2560		1850		1000	72	N	P
Cadmium	ug/L	75 - 125	1080		30.0	U	1000	108		P
Chromium	ug/L	75 - 125	2270		16.1	J	2000	113		P
Lead	ug/L	75 - 125	4900		60.0	U	5000	98		P
Mercury	ug/L	75 - 125	40.7		2.00	U	40.0	102		CV
Selenium	ug/L	75 - 125	9210		100	U	10000	92		P
Silver	ug/L	75 - 125	343		50.0	U	380	90		P