

metals
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MATRIX SPIKE SUMMARY

client: <u>Walsh Construction Company II, LLC</u>	level: <u>low</u>	sdg no.: <u>Q2489</u>
contract: <u>WALS01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q2489-01</u>	client id: <u>G4(0-6)MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2489-01MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	1140		145		1000	100		P
Antimony	ug/L	75 - 125	456		7.67	J	400	112		P
Arsenic	ug/L	75 - 125	435		10.0	U	400	109		P
Barium	ug/L	75 - 125	172		65.4		100	107		P
Beryllium	ug/L	75 - 125	92.4		3.00	U	100	92		P
Boron	ug/L	75 - 125	205		74.2		150	87		P
Cadmium	ug/L	75 - 125	95.5		1.27	J	100	94		P
Calcium	ug/L	75 - 125	634000		610000		500	4646		P
Chromium	ug/L	75 - 125	182		2.80	J	200	90		P
Cobalt	ug/L	75 - 125	99.2		1.28	J	100	98		P
Copper	ug/L	75 - 125	167		19.3		150	99		P
Iron	ug/L	75 - 125	1640		27.8	J	1500	107		P
Lead	ug/L	75 - 125	460		8.88		500	90		P
Magnesium	ug/L	75 - 125	14400		13000		1000	147		P
Manganese	ug/L	75 - 125	482		369		100	113		P
Mercury	ug/L	75 - 125	4.20		0.20	U	4.0	105		CV
Nickel	ug/L	75 - 125	249		8.31	J	250	96		P
Potassium	ug/L	75 - 125	12100		5690		5000	129	N	P
Selenium	ug/L	75 - 125	1130		10.0	U	1000	113		P
Silver	ug/L	75 - 125	26.8		5.00	U	37.5	72	N	P
Sodium	ug/L	75 - 125	23900		20600		1500	218		P
Strontium	ug/L	75 - 125	2770		2580		500	37		P
Lithium	ug/L	75 - 125	187		74.3		100	113		P
Thallium	ug/L	75 - 125	872		20.0	U	1000	87		P
Tin	ug/L	75 - 125	338		20.0	U	350	97		P
Titanium	ug/L	75 - 125	76.6		20.0	U	100	77		P
Vanadium	ug/L	75 - 125	148		20.0	U	150	99		P
Zinc	ug/L	75 - 125	345		225		100	120		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Walsh Construction Company II, LLC</u>	level: <u>low</u>	sdg no.: <u>Q2489</u>
contract: <u>WALS01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q2489-01</u>	client id: <u>G4(0-6)MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2489-01MSD</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
Aluminum	ug/L	75 - 125	1130		145		1000	99		P
Antimony	ug/L	75 - 125	455		7.67	J	400	112		P
Arsenic	ug/L	75 - 125	435		10.0	U	400	109		P
Barium	ug/L	75 - 125	171		65.4		100	106		P
Beryllium	ug/L	75 - 125	91.8		3.00	U	100	92		P
Boron	ug/L	75 - 125	203		74.2		150	86		P
Cadmium	ug/L	75 - 125	96.0		1.27	J	100	95		P
Calcium	ug/L	75 - 125	632000		610000		500	4230		P
Chromium	ug/L	75 - 125	181		2.80	J	200	89		P
Cobalt	ug/L	75 - 125	99.5		1.28	J	100	98		P
Copper	ug/L	75 - 125	167		19.3		150	99		P
Iron	ug/L	75 - 125	1630		27.8	J	1500	107		P
Lead	ug/L	75 - 125	462		8.88		500	91		P
Magnesium	ug/L	75 - 125	14400		13000		1000	144		P
Manganese	ug/L	75 - 125	481		369		100	112		P
Mercury	ug/L	75 - 125	4.29		0.20	U	4.0	107		CV
Nickel	ug/L	75 - 125	250		8.31	J	250	97		P
Potassium	ug/L	75 - 125	12000		5690		5000	126	N	P
Selenium	ug/L	75 - 125	1130		10.0	U	1000	113		P
Silver	ug/L	75 - 125	25.0		5.00	U	37.5	67	N	P
Sodium	ug/L	75 - 125	23500		20600		1500	194		P
Strontium	ug/L	75 - 125	2740		2580		500	32		P
Lithium	ug/L	75 - 125	182		74.3		100	107		P
Thallium	ug/L	75 - 125	859		20.0	U	1000	86		P
Tin	ug/L	75 - 125	341		20.0	U	350	97		P
Titanium	ug/L	75 - 125	77.2		20.0	U	100	77		P
Vanadium	ug/L	75 - 125	148		20.0	U	150	99		P
Zinc	ug/L	75 - 125	341		225		100	116		P