

metals
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MATRIX SPIKE SUMMARY

client: Weston Solutions **level:** low **sdg no.:** P5242
contract: WEST04 **lab code:** CHEM **case no.:** P5242 **sas no.:** P5242
matrix: Solid **sample id:** P5242-02 **client id:** TAPIAL1-SB04D-4-112224-00-T1MS
Percent Solids for Sample: 92.8 **Spiked ID:** P5242-02MS **Percent Solids for Spike Sample:** 92.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	78 - 124	4430	D	4230	D	920	22		P
Antimony	mg/Kg	72 - 124	57.8	D	0.94	UD	46.1	125	N	P
Arsenic	mg/Kg	82 - 118	60.4	D	1.96	D	46.1	127	N	P
Barium	mg/Kg	86 - 116	280	D	22.3	D	230	112		P
Beryllium	mg/Kg	80 - 120	59.6	D	0.72	D	46.1	128	N	P
Cadmium	mg/Kg	84 - 116	58.5	D	0.47	UD	46.1	127	N	P
Calcium	mg/Kg	86 - 118	4620	D	171	JD	4600	97		P
Chromium	mg/Kg	83 - 119	79.4	D	31.2	D	46.1	105		P
Cobalt	mg/Kg	84 - 115	65.2	D	8.64	D	46.1	123	N	P
Copper	mg/Kg	84 - 119	496	D	7.18	D	460	106		P
Iron	mg/Kg	81 - 124	12600	D	12000	D	2300	27		P
Lead	mg/Kg	84 - 118	224	D	3.57	D	230	96		P
Magnesium	mg/Kg	80 - 123	5340	D	842	D	4600	98		P
Manganese	mg/Kg	85 - 116	682	D	274	D	460	88		P
Nickel	mg/Kg	84 - 119	64.8	D	7.45	D	46.1	125	N	P
Potassium	mg/Kg	85 - 119	3110	D	686	D	2300	105		P
Selenium	mg/Kg	80 - 119	57.7	D	2.34	UD	46.1	125	N	P
Silver	mg/Kg	83 - 118	1.67	D	0.47	UD	46.1	3	N	P
Sodium	mg/Kg	79 - 125	4640	D	55.4	JD	4600	100		P
Thallium	mg/Kg	83 - 118	54.4	D	0.094	JD	46.1	118		P
Vanadium	mg/Kg	82 - 116	68.3	D	15.8	D	46.1	114		P
Zinc	mg/Kg	82 - 119	464	D	15.4	D	460	97		P

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MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Weston Solutions</u>	level:	<u>low</u>	sdg no.:	<u>P5242</u>
contract:	<u>WEST04</u>	lab code:	<u>CHEM</u>	case no.:	<u>P5242</u>
matrix:	<u>Solid</u>	sample id:	<u>P5242-02</u>	client id:	<u>TAPIAL1-SB04D-4-112224-00-T1MSD</u>
Percent Solids for Sample:	92.8	Spiked ID:	P5242-02MSD	Percent Solids for Spike Sample:	92.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	78 - 124	4480	D	4230	D	940	27		P
Antimony	mg/Kg	72 - 124	57.8	D	0.94	UD	46.9	123		P
Arsenic	mg/Kg	82 - 118	61.6	D	1.96	D	46.9	127	N	P
Barium	mg/Kg	86 - 116	277	D	22.3	D	230	109		P
Beryllium	mg/Kg	80 - 120	59.5	D	0.72	D	46.9	126	N	P
Cadmium	mg/Kg	84 - 116	58.4	D	0.47	UD	46.9	125	N	P
Calcium	mg/Kg	86 - 118	4690	D	171	JD	4700	96		P
Chromium	mg/Kg	83 - 119	80.3	D	31.2	D	46.9	105		P
Cobalt	mg/Kg	84 - 115	66.3	D	8.64	D	46.9	123	N	P
Copper	mg/Kg	84 - 119	524	D	7.18	D	470	110		P
Iron	mg/Kg	81 - 124	12800	D	12000	D	2300	36		P
Lead	mg/Kg	84 - 118	228	D	3.57	D	230	96		P
Magnesium	mg/Kg	80 - 123	5440	D	842	D	4700	98		P
Manganese	mg/Kg	85 - 116	684	D	274	D	470	87		P
Nickel	mg/Kg	84 - 119	135	D	7.45	D	46.9	272	N	P
Potassium	mg/Kg	85 - 119	3150	D	686	D	2300	105		P
Selenium	mg/Kg	80 - 119	57.7	D	2.34	UD	46.9	123	N	P
Silver	mg/Kg	83 - 118	1.67	D	0.47	UD	46.9	3	N	P
Sodium	mg/Kg	79 - 125	4670	D	55.4	JD	4700	98		P
Thallium	mg/Kg	83 - 118	55.6	D	0.094	JD	46.9	119	N	P
Vanadium	mg/Kg	82 - 116	68.9	D	15.8	D	46.9	113		P
Zinc	mg/Kg	82 - 119	468	D	15.4	D	470	97		P