

metals
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MATRIX SPIKE SUMMARY

client: Weston Solutions **level:** low **sdg no.:** P5241
contract: WEST04 **lab code:** CHEM **case no.:** P5241 **sas no.:** P5241
matrix: Solid **sample id:** P5241-01 **client id:** TAPIAL2-SB02D-13-112424-00-T1MS
Percent Solids for Sample: 92.9 **Spiked ID:** P5241-01MS **Percent Solids for Spike Sample:** 92.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	78 - 124	5090	D	3970	D	880	128		P
Antimony	mg/Kg	72 - 124	53.0	D	0.044	JD	44.1	120		P
Arsenic	mg/Kg	82 - 118	56.7	D	1.80	D	44.1	124	N	P
Barium	mg/Kg	86 - 116	267	D	21.9	D	220	111		P
Beryllium	mg/Kg	80 - 120	56.2	D	0.34	JD	44.1	127	N	P
Cadmium	mg/Kg	84 - 116	55.2	D	0.40	UD	44.1	125	N	P
Calcium	mg/Kg	86 - 118	4570	D	240	D	4400	98		P
Chromium	mg/Kg	83 - 119	58.0	D	7.98	D	44.1	113		P
Cobalt	mg/Kg	84 - 115	58.0	D	5.10	D	44.1	120	N	P
Copper	mg/Kg	84 - 119	466	D	6.75	D	440	104		P
Iron	mg/Kg	81 - 124	10300	D	7670	D	2200	121		P
Lead	mg/Kg	84 - 118	212	D	3.74	D	220	94		P
Magnesium	mg/Kg	80 - 123	4890	D	496	D	4400	100		P
Manganese	mg/Kg	85 - 116	502	D	79.7	D	440	96		P
Nickel	mg/Kg	84 - 119	59.3	D	11.0	D	44.1	109		P
Potassium	mg/Kg	85 - 119	2750	D	334	D	2200	110		P
Selenium	mg/Kg	80 - 119	54.6	D	2.01	UD	44.1	124	N	P
Silver	mg/Kg	83 - 118	1.52	D	0.40	UD	44.1	3	N	P
Sodium	mg/Kg	79 - 125	4320	D	39.6	JD	4400	97		P
Thallium	mg/Kg	83 - 118	50.9	D	0.076	JD	44.1	115		P
Vanadium	mg/Kg	82 - 116	63.9	D	12.5	D	44.1	117	N	P
Zinc	mg/Kg	82 - 119	446	D	14.4	D	440	98		P

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MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Weston Solutions</u>	level:	<u>low</u>	sdg no.:	<u>P5241</u>
contract:	<u>WEST04</u>	lab code:	<u>CHEM</u>	case no.:	<u>P5241</u>
matrix:	<u>Solid</u>	sample id:	<u>P5241-01</u>	client id:	<u>TAPIAL2-SB02D-13-112424-00-T1MSD</u>
Percent Solids for Sample:	92.9	Spiked ID:	P5241-01MSD	Percent Solids for Spike Sample:	92.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	78 - 124	4980	D	3970	D	890	114		P
Antimony	mg/Kg	72 - 124	54.2	D	0.044	JD	44.5	122		P
Arsenic	mg/Kg	82 - 118	57.6	D	1.80	D	44.5	125	N	P
Barium	mg/Kg	86 - 116	269	D	21.9	D	220	111		P
Beryllium	mg/Kg	80 - 120	55.5	D	0.34	JD	44.5	124	N	P
Cadmium	mg/Kg	84 - 116	55.5	D	0.40	UD	44.5	125	N	P
Calcium	mg/Kg	86 - 118	4550	D	240	D	4400	97		P
Chromium	mg/Kg	83 - 119	58.2	D	7.98	D	44.5	113		P
Cobalt	mg/Kg	84 - 115	58.6	D	5.10	D	44.5	120	N	P
Copper	mg/Kg	84 - 119	465	D	6.75	D	440	103		P
Iron	mg/Kg	81 - 124	10200	D	7670	D	2200	113		P
Lead	mg/Kg	84 - 118	213	D	3.74	D	220	94		P
Magnesium	mg/Kg	80 - 123	5000	D	496	D	4400	101		P
Manganese	mg/Kg	85 - 116	508	D	79.7	D	440	96		P
Nickel	mg/Kg	84 - 119	58.6	D	11.0	D	44.5	107		P
Potassium	mg/Kg	85 - 119	2760	D	334	D	2200	109		P
Selenium	mg/Kg	80 - 119	54.1	D	2.01	UD	44.5	121	N	P
Silver	mg/Kg	83 - 118	1.56	D	0.40	UD	44.5	3	N	P
Sodium	mg/Kg	79 - 125	4440	D	39.6	JD	4400	99		P
Thallium	mg/Kg	83 - 118	51.6	D	0.076	JD	44.5	116		P
Vanadium	mg/Kg	82 - 116	64.5	D	12.5	D	44.5	117	N	P
Zinc	mg/Kg	82 - 119	448	D	14.4	D	440	97		P