

metals
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MATRIX SPIKE SUMMARY

client: Weston Solutions **level:** low **sdg no.:** P5365
contract: WEST04 **lab code:** CHEM **case no.:** P5365 **sas no.:** P5365
matrix: Solid **sample id:** P5365-01 **client id:** TAPFTA-SB01I-4.5-121924-00-T1MS
Percent Solids for Sample: 90.1 **Spiked ID:** P5365-01MS **Percent Solids for Spike Sample:** 90.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	78 - 124	4110	D	4070	D	760	6		P
Antimony	mg/Kg	72 - 124	47.1	D	0.077	JD	37.8	124		P
Arsenic	mg/Kg	82 - 118	51.0	D	1.61	D	37.8	131	N	P
Barium	mg/Kg	86 - 116	249	D	19.4	D	190	122	N	P
Beryllium	mg/Kg	80 - 120	49.1	D	0.31	JD	37.8	129	N	P
Cadmium	mg/Kg	84 - 116	50.5	D	0.43	UD	37.8	134	N	P
Calcium	mg/Kg	86 - 118	4070	D	304	D	3800	100		P
Chromium	mg/Kg	83 - 119	54.6	D	9.40	D	37.8	120	N	P
Cobalt	mg/Kg	84 - 115	51.7	D	3.51	D	37.8	128	N	P
Copper	mg/Kg	84 - 119	391	D	5.53	D	380	102		P
Iron	mg/Kg	81 - 124	10200	D	9450	D	1900	41		P
Lead	mg/Kg	84 - 118	183	D	3.12	D	190	95		P
Magnesium	mg/Kg	80 - 123	4400	D	887	D	3800	93		P
Manganese	mg/Kg	85 - 116	443	D	112	D	380	88		P
Nickel	mg/Kg	84 - 119	52.5	D	4.47	D	37.8	127	N	P
Mercury	mg/Kg	80 - 124	0.29		0.0080	J	0.29	99		CV
Potassium	mg/Kg	85 - 119	2910	D	777	D	1900	113		P
Selenium	mg/Kg	80 - 119	48.9	D	2.13	UD	37.8	129	N	P
Silver	mg/Kg	83 - 118	0.12	JD	0.43	UD	37.8	0	N	P
Sodium	mg/Kg	79 - 125	3710	D	41.4	JD	3800	97		P
Thallium	mg/Kg	83 - 118	47.1	D	0.10	JD	37.8	124	N	P
Vanadium	mg/Kg	82 - 116	59.5	D	14.3	D	37.8	120	N	P
Zinc	mg/Kg	82 - 119	380	D	11.7	D	380	98		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Weston Solutions **level:** low **sdg no.:** P5365
contract: WEST04 **lab code:** CHEM **case no.:** P5365 **sas no.:** P5365
matrix: Solid **sample id:** P5365-01 **client id:** TAPFTA-SB01I-4.5-121924-00-T1MSD
Percent Solids for Sample: 90.1 **Spiked ID:** P5365-01MSD **Percent Solids for Spike Sample:** 90.1

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	78 - 124	4770	D	4070	D	880	80		P
Antimony	mg/Kg	72 - 124	54.6	D	0.077	JD	44.0	124		P
Arsenic	mg/Kg	82 - 118	58.7	D	1.61	D	44.0	130	N	P
Barium	mg/Kg	86 - 116	290	D	19.4	D	220	123	N	P
Beryllium	mg/Kg	80 - 120	56.5	D	0.31	JD	44.0	127	N	P
Cadmium	mg/Kg	84 - 116	58.5	D	0.43	UD	44.0	133	N	P
Calcium	mg/Kg	86 - 118	4660	D	304	D	4400	99		P
Chromium	mg/Kg	83 - 119	63.2	D	9.40	D	44.0	122	N	P
Cobalt	mg/Kg	84 - 115	59.6	D	3.51	D	44.0	127	N	P
Copper	mg/Kg	84 - 119	452	D	5.53	D	440	101		P
Iron	mg/Kg	81 - 124	11800	D	9450	D	2200	105		P
Lead	mg/Kg	84 - 118	212	D	3.12	D	220	95		P
Magnesium	mg/Kg	80 - 123	5080	D	887	D	4400	95		P
Manganese	mg/Kg	85 - 116	515	D	112	D	440	91		P
Nickel	mg/Kg	84 - 119	61.0	D	4.47	D	44.0	128	N	P
Mercury	mg/Kg	80 - 124	0.30		0.0080	J	0.28	106		CV
Potassium	mg/Kg	85 - 119	3360	D	777	D	2200	117		P
Selenium	mg/Kg	80 - 119	56.8	D	2.13	UD	44.0	129	N	P
Silver	mg/Kg	83 - 118	0.14	JD	0.43	UD	44.0	0	N	P
Sodium	mg/Kg	79 - 125	4310	D	41.4	JD	4400	97		P
Thallium	mg/Kg	83 - 118	54.9	D	0.10	JD	44.0	124	N	P
Vanadium	mg/Kg	82 - 116	69.2	D	14.3	D	44.0	125	N	P
Zinc	mg/Kg	82 - 119	441	D	11.7	D	440	97		P