

metals
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MATRIX SPIKE SUMMARY

client: Weston Solutions **level:** low **sdg no.:** Q1079
contract: WEST04 **lab code:** CHEM **case no.:** Q1079 **sas no.:** Q1079
matrix: Solid **sample id:** Q1079-01 **client id:** TAPIAL3-SB04D-R-10-010925-00-T1MS
Percent Solids for Sample: 88.2 **Spiked ID:** Q1079-01MS **Percent Solids for Spike Sample:** 88.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	78 - 124	1180	D	917	D	470	55	N	P
Antimony	mg/Kg	72 - 124	19.7	D	0.042	JD	23.5	84		P
Arsenic	mg/Kg	82 - 118	0.18	JD	0.18	JD	23.5	0	N	P
Barium	mg/Kg	86 - 116	100	D	4.63	D	120	81	N	P
Beryllium	mg/Kg	80 - 120	18.7	D	0.071	JD	23.5	79	N	P
Cadmium	mg/Kg	84 - 116	19.9	D	0.24	UD	23.5	85		P
Calcium	mg/Kg	86 - 118	1980	D	122	UD	2400	83	N	P
Chromium	mg/Kg	83 - 119	21.4	D	2.28	D	23.5	81	N	P
Cobalt	mg/Kg	84 - 115	20.5	D	0.088	JD	23.5	87		P
Copper	mg/Kg	84 - 119	232	D	1.66	D	240	98		P
Iron	mg/Kg	81 - 124	2160	D	1390	D	1200	65	N	P
Lead	mg/Kg	84 - 118	106	D	0.96	D	120	89		P
Magnesium	mg/Kg	80 - 123	2120	D	14.0	JD	2400	90		P
Manganese	mg/Kg	85 - 116	208	D	2.23	D	240	87		P
Nickel	mg/Kg	84 - 119	22.2	D	0.23	JD	23.5	94		P
Mercury	mg/Kg	80 - 124	0.27		0.0060	J	0.27	97		CV
Potassium	mg/Kg	85 - 119	942	D	66.3	JD	1200	74	N	P
Selenium	mg/Kg	80 - 119	20.2	D	1.22	UD	23.5	86		P
Silver	mg/Kg	83 - 118	8.84	D	0.24	UD	23.5	37	N	P
Sodium	mg/Kg	79 - 125	2040	D	16.0	JD	2400	86		P
Thallium	mg/Kg	83 - 118	20.2	D	0.027	JD	23.5	86		P
Vanadium	mg/Kg	82 - 116	22.6	D	2.81	D	23.5	84		P
Zinc	mg/Kg	82 - 119	218	D	1.37	D	240	92		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Weston Solutions **level:** low **sdg no.:** Q1079
contract: WEST04 **lab code:** CHEM **case no.:** Q1079 **sas no.:** Q1079
matrix: Solid **sample id:** Q1079-01 **client id:** TAPIAL3-SB04D-R-10-010925-00-T1MSD
Percent Solids for Sample: 88.2 **Spiked ID:** Q1079-01MSD **Percent Solids for Spike Sample:** 88.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	78 - 124	1300	D	917	D	520	73	N	P
Antimony	mg/Kg	72 - 124	22.1	D	0.042	JD	25.9	85		P
Arsenic	mg/Kg	82 - 118	0.19	JD	0.18	JD	25.9	0	N	P
Barium	mg/Kg	86 - 116	112	D	4.63	D	130	83	N	P
Beryllium	mg/Kg	80 - 120	20.8	D	0.071	JD	25.9	80		P
Cadmium	mg/Kg	84 - 116	22.3	D	0.24	UD	25.9	86		P
Calcium	mg/Kg	86 - 118	2220	D	122	UD	2600	85	N	P
Chromium	mg/Kg	83 - 119	23.6	D	2.28	D	25.9	82	N	P
Cobalt	mg/Kg	84 - 115	22.5	D	0.088	JD	25.9	87		P
Copper	mg/Kg	84 - 119	254	D	1.66	D	260	97		P
Iron	mg/Kg	81 - 124	2380	D	1390	D	1300	76	N	P
Lead	mg/Kg	84 - 118	118	D	0.96	D	130	90		P
Magnesium	mg/Kg	80 - 123	2320	D	14.0	JD	2600	89		P
Manganese	mg/Kg	85 - 116	228	D	2.23	D	260	87		P
Nickel	mg/Kg	84 - 119	24.1	D	0.23	JD	25.9	92		P
Mercury	mg/Kg	80 - 124	0.29		0.0060	J	0.29	97		CV
Potassium	mg/Kg	85 - 119	1030	D	66.3	JD	1300	75	N	P
Selenium	mg/Kg	80 - 119	22.5	D	1.22	UD	25.9	87		P
Silver	mg/Kg	83 - 118	10.2	D	0.24	UD	25.9	39	N	P
Sodium	mg/Kg	79 - 125	2240	D	16.0	JD	2600	86		P
Thallium	mg/Kg	83 - 118	21.9	D	0.027	JD	25.9	85		P
Vanadium	mg/Kg	82 - 116	24.7	D	2.81	D	25.9	84		P
Zinc	mg/Kg	82 - 119	239	D	1.37	D	260	92		P