284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

metals
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MATRIX SPIKE SUMMARY

client: Weston Solutions **level:** low **sdg no.:** P5236

contract: WEST04 **lab code:** CHEM **case no.:** P5236 **sas no.:** P5236

matrix: Solid **sample id:** P5117-01 **client id:** TAPIAL3-SB04I-10-120324-00-T1MS

Percent Solids for Sample: 95.7 **Spiked ID:** P5117-01MS **Percent Solids for Spike Sample:** 95.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	78 - 124	860	D	37.6	D	810	102		P
Antimony	mg/Kg	72 - 124	52.5	D	0.037	JD	40.5	130	N	P
Arsenic	mg/Kg	82 - 118	52.0	D	0.033	JD	40.5	128	N	P
Barium	mg/Kg	86 - 116	235	D	1.46	JD	200	115		P
Beryllium	mg/Kg	80 - 120	50.5	D	0.37	UD	40.5	125	N	P
Cadmium	mg/Kg	84 - 116	54.7	D	0.37	UD	40.5	135	N	P
Calcium	mg/Kg	86 - 118	4190	D	185	UD	4100	103		P
Chromium	mg/Kg	83 - 119	49.7	D	0.28	JD	40.5	122	N	P
Cobalt	mg/Kg	84 - 115	51.0	D	0.030	JD	40.5	126	N	P
Copper	mg/Kg	84 - 119	408	D	0.74	UD	410	101		P
Iron	mg/Kg	81 - 124	2460	D	71.1	D	2000	118		P
Lead	mg/Kg	84 - 118	191	D	0.19	JD	200	94		P
Magnesium	mg/Kg	80 - 123	3970	D	185	UD	4100	98		P
Manganese	mg/Kg	85 - 116	370	D	0.60	D	410	91		P
Nickel	mg/Kg	84 - 119	50.3	D	0.37	UD	40.5	124	N	P
Potassium	mg/Kg	85 - 119	2240	D	185	UD	2000	110		P
Selenium	mg/Kg	80 - 119	52.5	D	1.85	UD	40.5	129	N	P
Silver	mg/Kg	83 - 118	1.08	D	0.37	UD	40.5	3	N	P
Sodium	mg/Kg	79 - 125	3990	D	185	UD	4100	98		P
Thallium	mg/Kg	83 - 118	49.8	D	0.37	UD	40.5	123	N	P
Vanadium	mg/Kg	82 - 116	50.4	D	0.30	JD	40.5	124	N	P
Zinc	mg/Kg	82 - 119	391	D	1.85	UD	410	96		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Weston Solutions **level:** low **sdg no.:** P5236

contract: WEST04 **lab code:** CHEM **case no.:** P5236 **sas no.:** P5236

matrix: Solid **sample id:** P5117-01 **client id:** TAPIAL3-SB04I-10-120324-00-T1MSD

Percent Solids for Sample: 95.7 **Spiked ID:** P5117-01MSD **Percent Solids for Spike Sample:** 95.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	78 - 124	940	D	37.6	D	870	104		P
Antimony	mg/Kg	72 - 124	55.5	D	0.037	JD	43.5	127	N	P
Arsenic	mg/Kg	82 - 118	56.7	D	0.033	JD	43.5	130	N	P
Barium	mg/Kg	86 - 116	250	D	1.46	JD	220	114		P
Beryllium	mg/Kg	80 - 120	54.6	D	0.37	UD	43.5	125	N	P
Cadmium	mg/Kg	84 - 116	58.6	D	0.37	UD	43.5	135	N	P
Calcium	mg/Kg	86 - 118	4470	D	185	UD	4400	102		P
Chromium	mg/Kg	83 - 119	54.1	D	0.28	JD	43.5	124	N	P
Cobalt	mg/Kg	84 - 115	55.4	D	0.030	JD	43.5	127	N	P
Copper	mg/Kg	84 - 119	442	D	0.74	UD	440	102		P
Iron	mg/Kg	81 - 124	2670	D	71.1	D	2200	119		P
Lead	mg/Kg	84 - 118	207	D	0.19	JD	220	95		P
Magnesium	mg/Kg	80 - 123	4340	D	185	UD	4400	100		P
Manganese	mg/Kg	85 - 116	400	D	0.60	D	440	92		P
Nickel	mg/Kg	84 - 119	55.2	D	0.37	UD	43.5	127	N	P
Potassium	mg/Kg	85 - 119	2440	D	185	UD	2200	112		P
Selenium	mg/Kg	80 - 119	56.2	D	1.85	UD	43.5	129	N	P
Silver	mg/Kg	83 - 118	1.17	D	0.37	UD	43.5	3	N	P
Sodium	mg/Kg	79 - 125	4350	D	185	UD	4400	100		P
Thallium	mg/Kg	83 - 118	54.3	D	0.37	UD	43.5	125	N	P
Vanadium	mg/Kg	82 - 116	54.6	D	0.30	JD	43.5	125	N	P
Zinc	mg/Kg	82 - 119	425	D	1.85	UD	440	98		P

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metals
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MATRIX SPIKE SUMMARY

client: Weston Solutions **level:** low **sdg no.:** P5236

contract: WEST04 **lab code:** CHEM **case no.:** P5236 **sas no.:** P5236

matrix: Solid **sample id:** P5223-01 **client id:** TR-05-120924MS

Percent Solids for Sample: 93.2 **Spiked ID:** P5223-01MS **Percent Solids for Spike Sample:** 93.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.25		0.021		0.26	89		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: Weston Solutions **level:** low **sdg no.:** P5236

contract: WEST04 **lab code:** CHEM **case no.:** P5236 **sas no.:** P5236

matrix: Solid **sample id:** P5223-01 **client id:** TR-05-120924MSD

Percent Solids for Sample: 93.2 **Spiked ID:** P5223-01MSD **Percent Solids for Spike Sample:** 93.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.23		0.021		0.25	83		CV