

metals
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MATRIX SPIKE SUMMARY

client: ENTACT **level:** low **sdg no.:** P4103
contract: ENTA05 **lab code:** CHEM **case no.:** P4103 **sas no.:** P4103
matrix: Solid **sample id:** P4126-01 **client id:** NB-08-09192024MS
Percent Solids for Sample: 96.1 **Spiked ID:** P4126-01MS **Percent Solids for Spike Sample:** 96.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	1600		1430		84.9	203		P
Antimony	mg/Kg	75 - 125	30.9		0.13	J	34.0	91		P
Arsenic	mg/Kg	75 - 125	28.6		0.88	U	34.0	84		P
Barium	mg/Kg	75 - 125	14.2		5.99		8.5	97		P
Beryllium	mg/Kg	75 - 125	7.28		0.21	J	8.5	83		P
Boron	mg/Kg	75 - 125	6.85		4.39	U	12.7	54	N	P
Cadmium	mg/Kg	75 - 125	7.28		0.11	J	8.5	84		P
Calcium	mg/Kg	75 - 125	4730		4380		42.5	825		P
Chromium	mg/Kg	75 - 125	19.7		4.15		17.0	91		P
Cobalt	mg/Kg	75 - 125	9.02		1.05	J	8.5	94		P
Copper	mg/Kg	75 - 125	13.6		2.38		12.7	89		P
Iron	mg/Kg	75 - 125	4780		4410		130	281		P
Lead	mg/Kg	75 - 125	41.6		5.19		42.5	86		P
Magnesium	mg/Kg	75 - 125	2610		2400		84.9	247		P
Manganese	mg/Kg	75 - 125	31.1		21.8		8.5	110		P
Mercury	mg/Kg	80 - 120	0.26		0.021		0.25	95		CV
Nickel	mg/Kg	75 - 125	21.3		1.65	J	21.2	93		P
Potassium	mg/Kg	75 - 125	502		85.8	J	420	99		P
Selenium	mg/Kg	75 - 125	68.0		0.88	U	84.9	80		P
Silver	mg/Kg	75 - 125	2.95		0.44	U	3.2	92		P
Sodium	mg/Kg	75 - 125	176		55.9	J	130	92		P
Thallium	mg/Kg	75 - 125	77.2		1.76	U	84.9	91		P
Tin	mg/Kg	75 - 125	26.4		1.76	U	29.7	89		P
Vanadium	mg/Kg	75 - 125	18.2		6.36		12.7	94		P
Zinc	mg/Kg	75 - 125	16.8		7.15		8.5	113		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: ENTACT **level:** low **sdg no.:** P4103
contract: ENTA05 **lab code:** CHEM **case no.:** P4103 **sas no.:** P4103
matrix: Solid **sample id:** P4126-01 **client id:** NB-08-09192024MSD
Percent Solids for Sample: 96.1 **Spiked ID:** P4126-01MSD **Percent Solids for Spike Sample:** 96.1

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	1920		1430		92.9	530		P
Antimony	mg/Kg	75 - 125	35.6		0.13	J	37.2	95		P
Arsenic	mg/Kg	75 - 125	33.3		0.88	U	37.2	90		P
Barium	mg/Kg	75 - 125	16.2		5.99		9.3	110		P
Beryllium	mg/Kg	75 - 125	7.86		0.21	J	9.3	82		P
Boron	mg/Kg	75 - 125	7.07		4.39	U	13.9	51	N	P
Cadmium	mg/Kg	75 - 125	8.44		0.11	J	9.3	90		P
Calcium	mg/Kg	75 - 125	5430		4380		46.5	2264		P
Chromium	mg/Kg	75 - 125	22.0		4.15		18.6	96		P
Cobalt	mg/Kg	75 - 125	10.4		1.05	J	9.3	101		P
Copper	mg/Kg	75 - 125	16.1		2.38		13.9	99		P
Iron	mg/Kg	75 - 125	5540		4410		140	806		P
Lead	mg/Kg	75 - 125	48.0		5.19		46.5	92		P
Magnesium	mg/Kg	75 - 125	3000		2400		92.9	652		P
Manganese	mg/Kg	75 - 125	35.5		21.8		9.3	148	N	P
Mercury	mg/Kg	80 - 120	0.28		0.021		0.29	88		CV
Nickel	mg/Kg	75 - 125	24.7		1.65	J	23.2	99		P
Potassium	mg/Kg	75 - 125	554		85.8	J	460	102		P
Selenium	mg/Kg	75 - 125	79.8		0.88	U	92.9	86		P
Silver	mg/Kg	75 - 125	3.19		0.44	U	3.5	91		P
Sodium	mg/Kg	75 - 125	192		55.9	J	140	97		P
Thallium	mg/Kg	75 - 125	86.8		1.76	U	92.9	93		P
Tin	mg/Kg	75 - 125	30.5		1.76	U	32.5	94		P
Vanadium	mg/Kg	75 - 125	20.8		6.36		13.9	104		P
Zinc	mg/Kg	75 - 125	17.4		7.15		9.3	110		P