

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Nobis Group **level:** low **sdg no.:** Q2639
contract: NOBI03 **lab code:** ACE
matrix: Solid **sample id:** Q2651-01 **client id:** MH 2-1MS

Percent Solids for Sample: 94.5 **Spiked ID:** Q2651-01MS **Percent Solids for Spike Sample:** 94.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	3690		3040		97.1	675		P
Antimony	mg/Kg	79 - 114	21.8		2.34	U	38.8	56	N	P
Arsenic	mg/Kg	82 - 111	38.5		3.16		38.8	91		P
Barium	mg/Kg	83 - 113	24.4		13.7		9.7	110		P
Beryllium	mg/Kg	83 - 113	9.94		0.31		9.7	99		P
Cadmium	mg/Kg	82 - 113	9.45		0.28	U	9.7	97		P
Calcium	mg/Kg	81 - 116	411		817		48.5	-837		P
Chromium	mg/Kg	85 - 113	30.5		9.31		19.4	109		P
Cobalt	mg/Kg	85 - 112	13.3		2.95		9.7	107		P
Copper	mg/Kg	81 - 117	26.3		11.4		14.6	102		P
Iron	mg/Kg	81 - 118	8810		8440		150	248		P
Lead	mg/Kg	81 - 112	51.0		3.53		48.5	98		P
Magnesium	mg/Kg	78 - 115	761		878		97.1	-120		P
Manganese	mg/Kg	84 - 114	77.7		62.5		9.7	157		P
Nickel	mg/Kg	83 - 113	30.2		4.33		24.3	106		P
Potassium	mg/Kg	81 - 116	766		239		490	108		P
Selenium	mg/Kg	78 - 111	83.9		0.94	U	97.1	86		P
Silver	mg/Kg	82 - 112	3.76		0.29	J	3.6	96		P
Sodium	mg/Kg	83 - 118	216		73.5	J	150	95		P
Thallium	mg/Kg	83 - 111	89.0		0.24	J	97.1	91		P
Vanadium	mg/Kg	82 - 114	27.0		11.8		14.6	104		P
Zinc	mg/Kg	82 - 113	25.9		14.2		9.7	121	N	P

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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Nobis Group</u>	level: <u>low</u>	sdg no.: <u>Q2639</u>
contract: <u>NOBI03</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q2651-01</u>	client id: <u>MH 2-1MSD</u>

Percent Solids for Sample: 94.5	Spiked ID: Q2651-01MSD	Percent Solids for Spike Sample: 94.5
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Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	3710		3040		95.3	707		P
Antimony	mg/Kg	79 - 114	22.2		2.34	U	38.1	58	N	P
Arsenic	mg/Kg	82 - 111	38.4		3.16		38.1	93		P
Barium	mg/Kg	83 - 113	24.4		13.7		9.5	112		P
Beryllium	mg/Kg	83 - 113	9.52		0.31		9.5	97		P
Cadmium	mg/Kg	82 - 113	9.35		0.28	U	9.5	98		P
Calcium	mg/Kg	81 - 116	377		817		47.7	-923		P
Chromium	mg/Kg	85 - 113	28.2		9.31		19.1	99		P
Cobalt	mg/Kg	85 - 112	13.2		2.95		9.5	108		P
Copper	mg/Kg	81 - 117	25.7		11.4		14.3	100		P
Iron	mg/Kg	81 - 118	8650		8440		140	155		P
Lead	mg/Kg	81 - 112	49.9		3.53		47.7	97		P
Magnesium	mg/Kg	78 - 115	761		878		95.3	-122		P
Manganese	mg/Kg	84 - 114	77.2		62.5		9.5	155		P
Nickel	mg/Kg	83 - 113	29.9		4.33		23.8	108		P
Potassium	mg/Kg	81 - 116	758		239		480	108		P
Selenium	mg/Kg	78 - 111	82.9		0.94	U	95.3	87		P
Silver	mg/Kg	82 - 112	3.81		0.29	J	3.6	98		P
Sodium	mg/Kg	83 - 118	215		73.5	J	140	101		P
Thallium	mg/Kg	83 - 111	84.7		0.24	J	95.3	89		P
Vanadium	mg/Kg	82 - 114	26.3		11.8		14.3	101		P
Zinc	mg/Kg	82 - 113	25.8		14.2		9.5	122	N	P

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MATRIX SPIKE SUMMARY

client:	<u>Nobis Group</u>	level:	<u>low</u>	sdg no.:	<u>Q2639</u>
contract:	<u>NOBI03</u>			lab code:	<u>ACE</u>
matrix:	<u>Solid</u>	sample id:	<u>Q2689-01</u>	client id:	<u>OR-03-07232025MS</u>
Percent Solids for Sample:	92.8	Spiked ID:	Q2689-01MS	Percent Solids for Spike Sample:	92.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.33		0.032		0.26	115		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Nobis Group</u>	level:	<u>low</u>	sdg no.:	<u>Q2639</u>
contract:	<u>NOBI03</u>			lab code:	<u>ACE</u>
matrix:	<u>Solid</u>	sample id:	<u>Q2689-01</u>	client id:	<u>OR-03-07232025MSD</u>
Percent Solids for Sample:	92.8	Spiked ID:	Q2689-01MSD	Percent Solids for Spike Sample:	92.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.37		0.032		0.27	126	N	CV