

metals
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MATRIX SPIKE SUMMARY

client: Nobis Group **level:** low **sdg no.:** Q1730
contract: NOBI03 **lab code:** CHEM **case no.:** Q1730 **sas no.:** Q1730
matrix: Solid **sample id:** Q1738-01 **client id:** OK-02-040425MS
Percent Solids for Sample: 86.1 **Spiked ID:** Q1738-01MS **Percent Solids for Spike Sample:** 86.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	6760		7390		110	-572		P
Antimony	mg/Kg	79 - 114	34.4		2.81	U	42.6	81		P
Arsenic	mg/Kg	82 - 111	36.0		2.02		42.6	80	N	P
Barium	mg/Kg	83 - 113	28.2		20.7		10.7	70	N	P
Beryllium	mg/Kg	83 - 113	8.26		0.42		10.7	73	N	P
Cadmium	mg/Kg	82 - 113	10.5		0.41		10.7	94		P
Calcium	mg/Kg	81 - 116	4380		5530		53.3	-2170		P
Chromium	mg/Kg	85 - 113	29.3		13.6		21.3	74	N	P
Cobalt	mg/Kg	85 - 112	19.7		11.0		10.7	81	N	P
Copper	mg/Kg	81 - 117	40.5		31.9		16.0	54	N	P
Iron	mg/Kg	81 - 118	15100		15400		160	-195		P
Lead	mg/Kg	81 - 112	57.9		9.05		53.3	92		P
Magnesium	mg/Kg	78 - 115	3640		4120		110	-437		P
Manganese	mg/Kg	84 - 114	188		190		10.7	-18		P
Nickel	mg/Kg	83 - 113	38.3		15.1		26.6	87		P
Potassium	mg/Kg	81 - 116	1260		772		530	93		P
Selenium	mg/Kg	78 - 111	82.8		1.12	U	110	75	N	P
Silver	mg/Kg	82 - 112	2.65		0.56	U	4.0	66	N	P
Sodium	mg/Kg	83 - 118	733		642		160	57		P
Thallium	mg/Kg	83 - 111	95.7		2.24	U	110	87		P
Vanadium	mg/Kg	82 - 114	44.8		35.8		16.0	56	N	P
Zinc	mg/Kg	82 - 113	33.5		27.5		10.7	57	N	P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Nobis Group **level:** low **sdg no.:** Q1730
contract: NOBI03 **lab code:** CHEM **case no.:** Q1730 **sas no.:** Q1730
matrix: Solid **sample id:** Q1738-01 **client id:** OK-02-040425MSD
Percent Solids for Sample: 86.1 **Spiked ID:** Q1738-01MSD **Percent Solids for Spike Sample:** 86.1

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	6640		7390		100	-758		P
Antimony	mg/Kg	79 - 114	33.1		2.81	U	41.1	80		P
Arsenic	mg/Kg	82 - 111	35.2		2.02		41.1	81	N	P
Barium	mg/Kg	83 - 113	27.5		20.7		10.3	66	N	P
Beryllium	mg/Kg	83 - 113	8.54		0.42		10.3	79	N	P
Cadmium	mg/Kg	82 - 113	10.4		0.41		10.3	97		P
Calcium	mg/Kg	81 - 116	3970		5530		51.4	-3041		P
Chromium	mg/Kg	85 - 113	28.2		13.6		20.6	71	N	P
Cobalt	mg/Kg	85 - 112	19.3		11.0		10.3	80	N	P
Copper	mg/Kg	81 - 117	40.0		31.9		15.4	53	N	P
Iron	mg/Kg	81 - 118	13900		15400		150	-1063		P
Lead	mg/Kg	81 - 112	56.6		9.05		51.4	92		P
Magnesium	mg/Kg	78 - 115	3470		4120		100	-651		P
Manganese	mg/Kg	84 - 114	185		190		10.3	-44		P
Nickel	mg/Kg	83 - 113	37.4		15.1		25.7	87		P
Potassium	mg/Kg	81 - 116	1170		772		510	78	N	P
Selenium	mg/Kg	78 - 111	81.0		1.12	U	100	81		P
Silver	mg/Kg	82 - 112	2.39		0.56	U	3.9	61	N	P
Sodium	mg/Kg	83 - 118	661		642		150	13		P
Thallium	mg/Kg	83 - 111	93.2		2.24	U	100	93		P
Vanadium	mg/Kg	82 - 114	43.5		35.8		15.4	50	N	P
Zinc	mg/Kg	82 - 113	32.5		27.5		10.3	48	N	P

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MATRIX SPIKE SUMMARY

client: Nobis Group **level:** low **sdg no.:** Q1730
contract: NOBI03 **lab code:** CHEM **case no.:** Q1730 **sas no.:** Q1730
matrix: Solid **sample id:** Q1743-01 **client id:** TP-16MS
Percent Solids for Sample: 94.6 **Spiked ID:** Q1743-01MS **Percent Solids for Spike Sample:** 94.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.25		0.027		0.27	84		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: Nobis Group **level:** low **sdg no.:** Q1730
contract: NOBI03 **lab code:** CHEM **case no.:** Q1730 **sas no.:** Q1730
matrix: Solid **sample id:** Q1743-01 **client id:** TP-16MSD
Percent Solids for Sample: 94.6 **Spiked ID:** Q1743-01MSD **Percent Solids for Spike Sample:** 94.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.26		0.027		0.26	90		CV