

metals
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MATRIX SPIKE SUMMARY

client: Nobis Group **level:** low **sdg no.:** Q1984
contract: NOBI03 **lab code:** CHEM **case no.:** Q1984 **sas no.:** Q1984
matrix: Solid **sample id:** Q1984-15 **client id:** OU4-TS-28-050725MS
Percent Solids for Sample: 64.6 **Spiked ID:** Q1984-15MS **Percent Solids for Spike Sample:** 64.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	17800		20400		150	-1736		P
Antimony	mg/Kg	79 - 114	12.9		3.38	U	59.3	22	N	P
Arsenic	mg/Kg	82 - 111	72.9		30.2		59.3	72	N	P
Barium	mg/Kg	83 - 113	118		123		14.8	-34		P
Beryllium	mg/Kg	83 - 113	11.7		1.09		14.8	72	N	P
Cadmium	mg/Kg	82 - 113	16.0		2.39		14.8	92		P
Calcium	mg/Kg	81 - 116	4110		3330		74.1	1060		P
Chromium	mg/Kg	85 - 113	48.3		28.9		29.6	66	N	P
Cobalt	mg/Kg	85 - 112	31.2		19.0		14.8	83	N	P
Copper	mg/Kg	81 - 117	62.6		53.7		22.2	40	N	P
Iron	mg/Kg	81 - 118	27800		32600		220	-2173		P
Lead	mg/Kg	81 - 112	99.8		35.7		74.1	87		P
Magnesium	mg/Kg	78 - 115	6370		6820		150	-296		P
Manganese	mg/Kg	84 - 114	523		481		14.8	286		P
Nickel	mg/Kg	83 - 113	65.4		34.7		37.0	83		P
Potassium	mg/Kg	81 - 116	6160		6620		740	-62		P
Selenium	mg/Kg	78 - 111	109		1.35	U	150	73	N	P
Silver	mg/Kg	82 - 112	4.59		0.29	J	5.6	77	N	P
Sodium	mg/Kg	83 - 118	413		238		220	80	N	P
Thallium	mg/Kg	83 - 111	133		2.70	U	150	89		P
Vanadium	mg/Kg	82 - 114	55.0		43.5		22.2	52	N	P
Zinc	mg/Kg	82 - 113	94.7		90.7		14.8	27		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Nobis Group **level:** low **sdg no.:** Q1984
contract: NOBI03 **lab code:** CHEM **case no.:** Q1984 **sas no.:** Q1984
matrix: Solid **sample id:** Q1984-15 **client id:** OU4-TS-28-050725MSD
Percent Solids for Sample: 64.6 **Spiked ID:** Q1984-15MSD **Percent Solids for Spike Sample:** 64.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	17100		20400		140	-2413		P
Antimony	mg/Kg	79 - 114	12.5		3.38	U	57.9	22	N	P
Arsenic	mg/Kg	82 - 111	68.3		30.2		57.9	66	N	P
Barium	mg/Kg	83 - 113	116		123		14.5	-49		P
Beryllium	mg/Kg	83 - 113	11.2		1.09		14.5	70	N	P
Cadmium	mg/Kg	82 - 113	15.1		2.39		14.5	88		P
Calcium	mg/Kg	81 - 116	4120		3330		72.3	1101		P
Chromium	mg/Kg	85 - 113	44.8		28.9		28.9	55	N	P
Cobalt	mg/Kg	85 - 112	29.5		19.0		14.5	72	N	P
Copper	mg/Kg	81 - 117	60.8		53.7		21.7	33	N	P
Iron	mg/Kg	81 - 118	24700		32600		220	-3603		P
Lead	mg/Kg	81 - 112	93.8		35.7		72.3	80	N	P
Magnesium	mg/Kg	78 - 115	6220		6820		140	-424		P
Manganese	mg/Kg	84 - 114	551		481		14.5	484		P
Nickel	mg/Kg	83 - 113	60.8		34.7		36.2	72	N	P
Potassium	mg/Kg	81 - 116	5540		6620		720	-150		P
Selenium	mg/Kg	78 - 111	103		1.35	U	140	74	N	P
Silver	mg/Kg	82 - 112	4.05		0.29	J	5.4	70	N	P
Sodium	mg/Kg	83 - 118	385		238		220	67	N	P
Thallium	mg/Kg	83 - 111	122		2.70	U	140	87		P
Vanadium	mg/Kg	82 - 114	53.3		43.5		21.7	45	N	P
Zinc	mg/Kg	82 - 113	87.7		90.7		14.5	-21		P

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MATRIX SPIKE SUMMARY

client: Nobis Group **level:** low **sdg no.:** Q1984
contract: NOBI03 **lab code:** CHEM **case no.:** Q1984 **sas no.:** Q1984
matrix: Solid **sample id:** Q1986-09 **client id:** VNJ-218MS
Percent Solids for Sample: 91.3 **Spiked ID:** Q1986-09MS **Percent Solids for Spike Sample:** 91.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.42		0.20		0.26	84		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Nobis Group</u>	level: <u>low</u>	sdg no.: <u>Q1984</u>
contract: <u>NOBI03</u>	lab code: <u>CHEM</u>	case no.: <u>Q1984</u> sas no.: <u>Q1984</u>
matrix: <u>Solid</u>	sample id: <u>Q1986-09</u>	client id: <u>VNJ-218MSD</u>
Percent Solids for Sample: 91.3	Spiked ID: Q1986-09MSD	Percent Solids for Spike Sample: 91.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.43		0.20		0.26	87		CV