

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Nobis Group **level:** low **sdg no.:** P5306
contract: NOBI03 **lab code:** CHEM **case no.:** P5306 **sas no.:** P5306
matrix: Solid **sample id:** P5301-03 **client id:** HR-04-121624MS
Percent Solids for Sample: 89.4 **Spiked ID:** P5301-03MS **Percent Solids for Spike Sample:** 89.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.25		0.035		0.28	77	N	CV

metals

- 5a -

MATRIX SPIKE DUPLICATE SUMMARY

client: Nobis Group **level:** low **sdg no.:** P5306
contract: NOBI03 **lab code:** CHEM **case no.:** P5306 **sas no.:** P5306
matrix: Solid **sample id:** P5301-03 **client id:** HR-04-121624MSD
Percent Solids for Sample: 89.4 **Spiked ID:** P5301-03MSD **Percent Solids for Spike Sample:** 89.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.24		0.035		0.28	74	N	CV

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MATRIX SPIKE SUMMARY

client:	<u>Nobis Group</u>	level:	<u>low</u>	sdg no.:	<u>P5306</u>
contract:	<u>NOBI03</u>	lab code:	<u>CHEM</u>	case no.:	<u>P5306</u>
matrix:	<u>Solid</u>	sample id:	<u>P5306-17</u>	client id:	<u>OU4-VSL-06R-121224MS</u>
Percent Solids for Sample:	91.7	Spiked ID:	P5306-17MS	Percent Solids for Spike Sample:	91.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	6950		6170		100	778		P
Antimony	mg/Kg	79 - 114	53.7		16.7		40.0	92		P
Arsenic	mg/Kg	82 - 111	69.3		30.7		40.0	97		P
Barium	mg/Kg	83 - 113	24.3		15.0		10.0	93		P
Beryllium	mg/Kg	83 - 113	13.6		6.20		10.0	74	N	P
Cadmium	mg/Kg	82 - 113	20.5		10.4		10.0	101		P
Calcium	mg/Kg	81 - 116	5590		5020		50.0	1131		P
Chromium	mg/Kg	85 - 113	31.7		14.8		20.0	84	N	P
Cobalt	mg/Kg	85 - 112	34.3		22.8		10.0	116	N	P
Copper	mg/Kg	81 - 117	78.6		61.2		15.0	116		P
Iron	mg/Kg	81 - 118	23100		21100		150	1325		P
Lead	mg/Kg	81 - 112	90.6		42.2		50.0	97		P
Magnesium	mg/Kg	78 - 115	4540		4040		100	491		P
Manganese	mg/Kg	84 - 114	192		168		10.0	240		P
Nickel	mg/Kg	83 - 113	55.1		29.0		25.0	105		P
Potassium	mg/Kg	81 - 116	1030		512		500	103		P
Selenium	mg/Kg	78 - 111	160		69.7		100	91		P
Silver	mg/Kg	82 - 112	7.15		3.68		3.8	91		P
Sodium	mg/Kg	83 - 118	1590		1370		150	141		P
Thallium	mg/Kg	83 - 111	182		81.5		100	101		P
Vanadium	mg/Kg	82 - 114	93.8		74.6		15.0	128		P
Zinc	mg/Kg	82 - 113	42.3		31.8		10.0	104		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Nobis Group</u>	level: <u>low</u>	sdg no.: <u>P5306</u>
contract: <u>NOBI03</u>	lab code: <u>CHEM</u>	case no.: <u>P5306</u> sas no.: <u>P5306</u>
matrix: <u>Solid</u>	sample id: <u>P5306-17</u>	client id: <u>OU4-VSL-06R-121224MSD</u>
Percent Solids for Sample: 91.7	Spiked ID: P5306-17MSD	Percent Solids for Spike Sample: 91.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	7330		6170		100	1156		P
Antimony	mg/Kg	79 - 114	53.2		16.7		40.6	90		P
Arsenic	mg/Kg	82 - 111	69.6		30.7		40.6	96		P
Barium	mg/Kg	83 - 113	25.0		15.0		10.1	98		P
Beryllium	mg/Kg	83 - 113	14.1		6.20		10.1	78	N	P
Cadmium	mg/Kg	82 - 113	21.1		10.4		10.1	106		P
Calcium	mg/Kg	81 - 116	5840		5020		50.7	1616		P
Chromium	mg/Kg	85 - 113	32.4		14.8		20.3	86		P
Cobalt	mg/Kg	85 - 112	35.3		22.8		10.1	124	N	P
Copper	mg/Kg	81 - 117	80.7		61.2		15.2	128		P
Iron	mg/Kg	81 - 118	23500		21100		150	1554		P
Lead	mg/Kg	81 - 112	93.0		42.2		50.7	100		P
Magnesium	mg/Kg	78 - 115	4700		4040		100	655		P
Manganese	mg/Kg	84 - 114	198		168		10.1	296		P
Nickel	mg/Kg	83 - 113	56.5		29.0		25.4	108		P
Potassium	mg/Kg	81 - 116	1030		512		510	101		P
Selenium	mg/Kg	78 - 111	161		69.7		100	92		P
Silver	mg/Kg	82 - 112	7.22		3.68		3.8	93		P
Sodium	mg/Kg	83 - 118	1600		1370		150	151		P
Thallium	mg/Kg	83 - 111	185		81.5		100	104		P
Vanadium	mg/Kg	82 - 114	97.1		74.6		15.2	148		P
Zinc	mg/Kg	82 - 113	43.0		31.8		10.1	111		P