

metals
- 5a -
MATRIX SPIKE SUMMARY

client: BAPS North Bergen **level:** low **sdg no.:** P4822
contract: BAPS03 **lab code:** CHEM **case no.:** P4822 **sas no.:** P4822
matrix: Solid **sample id:** P4807-01 **client id:** TP-7MS
Percent Solids for Sample: 89.7 **Spiked ID:** P4807-01MS **Percent Solids for Spike Sample:** 89.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.25		0.014	U	0.28	89		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>BAPS North Bergen</u>	level:	<u>low</u>	sdg no.:	<u>P4822</u>		
contract:	<u>BAPS03</u>	lab code:	<u>CHEM</u>	case no.:	<u>P4822</u>	sas no.:	<u>P4822</u>
matrix:	<u>Solid</u>	sample id:	<u>P4807-01</u>	client id:	<u>TP-7MSD</u>		
Percent Solids for Sample:	89.7	Spiked ID:	<u>P4807-01MSD</u>	Percent Solids for Spike Sample:	89.7		

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.27		0.014	U	0.29	93		CV

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MATRIX SPIKE SUMMARY

client: <u>BAPS North Bergen</u>	level: <u>low</u>	sdg no.: <u>P4822</u>
contract: <u>BAPS03</u>	lab code: <u>CHEM</u>	case no.: <u>P4822</u> sas no.: <u>P4822</u>
matrix: <u>Solid</u>	sample id: <u>P4822-02</u>	client id: <u>SOIL-1MS</u>
Percent Solids for Sample: 92.4	Spiked ID: P4822-02MS	Percent Solids for Spike Sample: 92.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	7120		6920		95.4	209		P
Antimony	mg/Kg	75 - 125	28.6		2.33	U	38.1	75		P
Arsenic	mg/Kg	75 - 125	35.7		6.16		38.1	78		P
Barium	mg/Kg	75 - 125	50.8		42.0		9.5	93		P
Beryllium	mg/Kg	75 - 125	7.68		0.64		9.5	74	N	P
Cadmium	mg/Kg	75 - 125	10.5		1.72		9.5	92		P
Calcium	mg/Kg	75 - 125	2870		2800		47.7	142		P
Chromium	mg/Kg	75 - 125	30.7		16.6		19.1	74	N	P
Cobalt	mg/Kg	75 - 125	17.6		8.64		9.5	94		P
Copper	mg/Kg	75 - 125	36.5		26.0		14.3	73	N	P
Iron	mg/Kg	75 - 125	11800		11700		140	24		P
Lead	mg/Kg	75 - 125	115		73.4		47.7	88		P
Magnesium	mg/Kg	75 - 125	5030		4900		95.4	137		P
Manganese	mg/Kg	75 - 125	319		305		9.5	145		P
Nickel	mg/Kg	75 - 125	36.0		13.9		23.8	93		P
Potassium	mg/Kg	75 - 125	2870		2500		480	77		P
Selenium	mg/Kg	75 - 125	67.5		0.93	U	95.4	71	N	P
Silver	mg/Kg	75 - 125	3.17		0.42	J	3.6	76		P
Sodium	mg/Kg	75 - 125	252		140		140	80		P
Thallium	mg/Kg	75 - 125	80.9		1.87	U	95.4	85		P
Vanadium	mg/Kg	75 - 125	40.9		29.4		14.3	81		P
Zinc	mg/Kg	75 - 125	134		128		9.5	66		P

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MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>BAPS North Bergen</u>	level:	<u>low</u>	sdg no.:	<u>P4822</u>
contract:	<u>BAPS03</u>	lab code:	<u>CHEM</u>	case no.:	<u>P4822</u>
matrix:	<u>Solid</u>	sample id:	<u>P4822-02</u>	client id:	<u>SOIL-1MSD</u>
Percent Solids for Sample:	92.4	Spiked ID:	P4822-02MSD	Percent Solids for Spike Sample:	92.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	6720		6920		92.5	-210		P
Antimony	mg/Kg	75 - 125	27.9		2.33	U	37.0	75		P
Arsenic	mg/Kg	75 - 125	34.6		6.16		37.0	77		P
Barium	mg/Kg	75 - 125	47.9		42.0		9.3	63		P
Beryllium	mg/Kg	75 - 125	7.38		0.64		9.3	72	N	P
Cadmium	mg/Kg	75 - 125	10.1		1.72		9.3	90		P
Calcium	mg/Kg	75 - 125	2710		2800		46.3	-201		P
Chromium	mg/Kg	75 - 125	29.3		16.6		18.5	69	N	P
Cobalt	mg/Kg	75 - 125	16.9		8.64		9.3	89		P
Copper	mg/Kg	75 - 125	35.2		26.0		13.9	66	N	P
Iron	mg/Kg	75 - 125	11200		11700		140	-400		P
Lead	mg/Kg	75 - 125	111		73.4		46.3	81		P
Magnesium	mg/Kg	75 - 125	4770		4900		92.5	-144		P
Manganese	mg/Kg	75 - 125	300		305		9.3	-55		P
Nickel	mg/Kg	75 - 125	34.6		13.9		23.1	90		P
Potassium	mg/Kg	75 - 125	2730		2500		460	50		P
Selenium	mg/Kg	75 - 125	65.9		0.93	U	92.5	71	N	P
Silver	mg/Kg	75 - 125	3.06		0.42	J	3.5	75		P
Sodium	mg/Kg	75 - 125	239		140		140	71	N	P
Thallium	mg/Kg	75 - 125	78.4		1.87	U	92.5	85		P
Vanadium	mg/Kg	75 - 125	38.8		29.4		13.9	68	N	P
Zinc	mg/Kg	75 - 125	128		128		9.3	-2		P