

metals
- 5a -
MATRIX SPIKE SUMMARY

client:	<u>CDM Smith</u>	level:	<u>low</u>	sdg no.:	<u>Q3266</u>
contract:	<u>CAMP02</u>			lab code:	<u>ACE</u>
matrix:	<u>Solid</u>	sample id:	<u>Q2409-05</u>	client id:	<u>COP-SOIL-PILEMS</u>
Percent Solids for Sample:	96.4	Spiked ID:	Q2409-05MS	Percent Solids for Spike Sample:	96.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.52		0.30		0.25	89		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>CDM Smith</u>	level:	<u>low</u>	sdg no.:	<u>Q3266</u>
contract:	<u>CAMP02</u>			lab code:	<u>ACE</u>
matrix:	<u>Solid</u>	sample id:	<u>Q2409-05</u>	client id:	<u>COP-SOIL-PILEMSD</u>
Percent Solids for Sample:	96.4	Spiked ID:	Q2409-05MSD	Percent Solids for Spike Sample:	96.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.56		0.30		0.26	101		CV

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client: <u>CDM Smith</u>	level: <u>low</u>	sdg no.: <u>Q3266</u>
contract: <u>CAMP02</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q3266-02</u>	client id: <u>ENV-4-6FTMS</u>
Percent Solids for Sample: 87	Spiked ID: Q3266-02MS	Percent Solids for Spike Sample: 87

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	14900		13900		95.8	1028		P
Antimony	mg/Kg	75 - 125	11.1		2.66	U	38.3	29	N	P
Arsenic	mg/Kg	75 - 125	37.7		8.06		38.3	78		P
Barium	mg/Kg	75 - 125	154		135		9.6	206		P
Beryllium	mg/Kg	75 - 125	8.83		1.43		9.6	77		P
Cadmium	mg/Kg	75 - 125	10.6		0.97		9.6	101		P
Calcium	mg/Kg	75 - 125	3220		3060		47.9	329		P
Chromium	mg/Kg	75 - 125	36.7		23.9		19.2	67	N	P
Cobalt	mg/Kg	75 - 125	27.7		17.4		9.6	107		P
Copper	mg/Kg	75 - 125	77.0		53.1		14.4	166	N	P
Iron	mg/Kg	75 - 125	29500		30600		140	-854		P
Lead	mg/Kg	75 - 125	87.7		46.3		47.9	87		P
Magnesium	mg/Kg	75 - 125	6820		6250		95.8	595		P
Manganese	mg/Kg	75 - 125	1220		1210		9.6	26		P
Nickel	mg/Kg	75 - 125	58.1		31.8		23.9	110		P
Potassium	mg/Kg	75 - 125	2390		1780		480	126	N	P
Selenium	mg/Kg	75 - 125	72.3		0.81	J	95.8	75		P
Silver	mg/Kg	75 - 125	4.03		1.01		3.6	84		P
Sodium	mg/Kg	75 - 125	216		86.8	J	140	92		P
Thallium	mg/Kg	75 - 125	84.5		2.13	U	95.8	88		P
Vanadium	mg/Kg	75 - 125	43.4		35.7		14.4	54	N	P
Zinc	mg/Kg	75 - 125	102		87.7		9.6	152		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>CDM Smith</u>	level: <u>low</u>	sdg no.: <u>Q3266</u>
contract: <u>CAMP02</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q3266-02</u>	client id: <u>ENV-4-6FTMSD</u>
Percent Solids for Sample: 87	Spiked ID: Q3266-02MSD	Percent Solids for Spike Sample: 87

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	15900		13900		97.0	2127		P
Antimony	mg/Kg	75 - 125	11.3		2.66	U	38.8	29	N	P
Arsenic	mg/Kg	75 - 125	39.3		8.06		38.8	80		P
Barium	mg/Kg	75 - 125	163		135		9.7	295		P
Beryllium	mg/Kg	75 - 125	9.15		1.43		9.7	80		P
Cadmium	mg/Kg	75 - 125	11.1		0.97		9.7	104		P
Calcium	mg/Kg	75 - 125	3410		3060		48.5	720		P
Chromium	mg/Kg	75 - 125	39.1		23.9		19.4	78		P
Cobalt	mg/Kg	75 - 125	29.9		17.4		9.7	129	N	P
Copper	mg/Kg	75 - 125	75.2		53.1		14.5	152	N	P
Iron	mg/Kg	75 - 125	31700		30600		150	730		P
Lead	mg/Kg	75 - 125	95.8		46.3		48.5	102		P
Magnesium	mg/Kg	75 - 125	7150		6250		97.0	927		P
Manganese	mg/Kg	75 - 125	1300		1210		9.7	941		P
Nickel	mg/Kg	75 - 125	62.2		31.8		24.2	126	N	P
Potassium	mg/Kg	75 - 125	2540		1780		480	157	N	P
Selenium	mg/Kg	75 - 125	74.5		0.81	J	97.0	76		P
Silver	mg/Kg	75 - 125	4.27		1.01		3.6	91		P
Sodium	mg/Kg	75 - 125	227		86.8	J	150	93		P
Thallium	mg/Kg	75 - 125	82.1		2.13	U	97.0	85		P
Vanadium	mg/Kg	75 - 125	46.6		35.7		14.5	75		P
Zinc	mg/Kg	75 - 125	111		87.7		9.7	237		P