

metals
- 5a -
MATRIX SPIKE SUMMARY

client:	<u>CDM Smith</u>	level:	<u>low</u>	sdg no.:	<u>Q2529</u>
contract:	<u>CAMP02</u>			lab code:	<u>ACE</u>
matrix:	<u>Solid</u>	sample id:	<u>Q2517-01</u>	client id:	<u>TP-14MS</u>
Percent Solids for Sample:	87.8	Spiked ID:	Q2517-01MS	Percent Solids for Spike Sample:	87.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.32		0.028		0.3	99		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2529
contract: CAMP02 **lab code:** ACE
matrix: Solid **sample id:** Q2517-01 **client id:** TP-14MSD
Percent Solids for Sample: 87.8 **Spiked ID:** Q2517-01MSD **Percent Solids for Spike Sample:** 87.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.32		0.028		0.3	98		CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2529
contract: CAMP02 **lab code:** ACE
matrix: Solid **sample id:** Q2529-06 **client id:** TP-102MS

Percent Solids for Sample: 95.6 **Spiked ID:** Q2529-06MS **Percent Solids for Spike Sample:** 95.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	3990		2060		98.2	1972		P
Antimony	mg/Kg	75 - 125	18.6		2.28	U	39.3	47	N	P
Arsenic	mg/Kg	75 - 125	35.1		2.65		39.3	83		P
Barium	mg/Kg	75 - 125	20.6		8.89		9.8	119		P
Beryllium	mg/Kg	75 - 125	8.63		0.36		9.8	84		P
Cadmium	mg/Kg	75 - 125	8.48		0.27	U	9.8	86		P
Calcium	mg/Kg	75 - 125	142		41.6	J	49.1	205	N	P
Chromium	mg/Kg	75 - 125	23.3		3.17		19.6	103		P
Cobalt	mg/Kg	75 - 125	10.8		1.54		9.8	94		P
Copper	mg/Kg	75 - 125	15.4		2.26		14.7	90		P
Iron	mg/Kg	75 - 125	11500		9030		150	1630		P
Lead	mg/Kg	75 - 125	44.6		2.41		49.1	86		P
Magnesium	mg/Kg	75 - 125	298		158		98.2	143	N	P
Manganese	mg/Kg	75 - 125	49.2		30.5		9.8	191	N	P
Nickel	mg/Kg	75 - 125	24.2		1.60	J	24.6	92		P
Potassium	mg/Kg	75 - 125	647		142		490	103		P
Selenium	mg/Kg	75 - 125	77.0		0.91	U	98.2	78		P
Silver	mg/Kg	75 - 125	3.22		0.46	U	3.7	87		P
Sodium	mg/Kg	75 - 125	406		210		150	131	N	P
Thallium	mg/Kg	75 - 125	86.7		1.83	U	98.2	88		P
Vanadium	mg/Kg	75 - 125	29.0		13.2		14.7	108		P
Zinc	mg/Kg	75 - 125	19.4		7.14		9.8	125		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>CDM Smith</u>	level: <u>low</u>	sdg no.: <u>Q2529</u>
contract: <u>CAMP02</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q2529-06</u>	client id: <u>TP-102MSD</u>

Percent Solids for Sample: 95.6	Spiked ID: Q2529-06MSD	Percent Solids for Spike Sample: 95.6
--	-------------------------------	--

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	3690		2060		91.0	1798		P
Antimony	mg/Kg	75 - 125	17.2		2.28	U	36.4	47	N	P
Arsenic	mg/Kg	75 - 125	32.7		2.65		36.4	83		P
Barium	mg/Kg	75 - 125	18.9		8.89		9.1	110		P
Beryllium	mg/Kg	75 - 125	8.09		0.36		9.1	85		P
Cadmium	mg/Kg	75 - 125	7.91		0.27	U	9.1	87		P
Calcium	mg/Kg	75 - 125	128		41.6	J	45.5	189	N	P
Chromium	mg/Kg	75 - 125	21.7		3.17		18.2	102		P
Cobalt	mg/Kg	75 - 125	9.97		1.54		9.1	93		P
Copper	mg/Kg	75 - 125	14.5		2.26		13.6	90		P
Iron	mg/Kg	75 - 125	10400		9030		140	989		P
Lead	mg/Kg	75 - 125	41.5		2.41		45.5	86		P
Magnesium	mg/Kg	75 - 125	274		158		91.0	127	N	P
Manganese	mg/Kg	75 - 125	45.3		30.5		9.1	163	N	P
Nickel	mg/Kg	75 - 125	22.5		1.60	J	22.7	92		P
Potassium	mg/Kg	75 - 125	591		142		450	100		P
Selenium	mg/Kg	75 - 125	71.3		0.91	U	91.0	78		P
Silver	mg/Kg	75 - 125	2.89		0.46	U	3.4	85		P
Sodium	mg/Kg	75 - 125	371		210		140	115		P
Thallium	mg/Kg	75 - 125	76.7		1.83	U	91.0	84		P
Vanadium	mg/Kg	75 - 125	26.7		13.2		13.6	99		P
Zinc	mg/Kg	75 - 125	17.9		7.14		9.1	118		P