

metals
- 5a -
MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2176
contract: CAMP02 **lab code:** CHEM **case no.:** Q2176 **sas no.:** Q2176
matrix: Solid **sample id:** Q2176-08 **client id:** TP-65MS
Percent Solids for Sample: 87.3 **Spiked ID:** Q2176-08MS **Percent Solids for Spike Sample:** 87.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.27		0.011	J	0.3	87		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2176
contract: CAMP02 **lab code:** CHEM **case no.:** Q2176 **sas no.:** Q2176
matrix: Solid **sample id:** Q2176-08 **client id:** TP-65MSD
Percent Solids for Sample: 87.3 **Spiked ID:** Q2176-08MSD **Percent Solids for Spike Sample:** 87.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.29		0.011	J	0.29	95		CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2176
contract: CAMP02 **lab code:** CHEM **case no.:** Q2176 **sas no.:** Q2176
matrix: Solid **sample id:** Q2177-04 **client id:** B-187-SB02MS
Percent Solids for Sample: 62.8 **Spiked ID:** Q2177-04MS **Percent Solids for Spike Sample:** 62.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	7400		5970		140	1023		P
Antimony	mg/Kg	75 - 125	22.4		3.76	U	54.4	41	N	P
Arsenic	mg/Kg	75 - 125	53.0		1.00	J	54.4	96		P
Barium	mg/Kg	75 - 125	19.0		5.38	J	13.6	100		P
Beryllium	mg/Kg	75 - 125	13.9		0.29	J	13.6	100		P
Cadmium	mg/Kg	75 - 125	13.9		0.19	J	13.6	101		P
Calcium	mg/Kg	75 - 125	586		427		68.0	234		P
Chromium	mg/Kg	75 - 125	36.3		8.68		27.2	102		P
Cobalt	mg/Kg	75 - 125	17.8		3.45		13.6	105		P
Copper	mg/Kg	75 - 125	27.0		6.86		20.4	99		P
Iron	mg/Kg	75 - 125	10500		9960		200	266		P
Lead	mg/Kg	75 - 125	69.1		4.48		68.0	95		P
Magnesium	mg/Kg	75 - 125	1940		1580		140	254		P
Manganese	mg/Kg	75 - 125	82.6		65.9		13.6	123		P
Nickel	mg/Kg	75 - 125	43.6		8.35		34.0	104		P
Potassium	mg/Kg	75 - 125	979		356		680	92		P
Selenium	mg/Kg	75 - 125	125		1.50	U	140	89		P
Silver	mg/Kg	75 - 125	4.82		0.75	U	5.1	94		P
Sodium	mg/Kg	75 - 125	572		357		200	108		P
Thallium	mg/Kg	75 - 125	125		3.00	U	140	89		P
Vanadium	mg/Kg	75 - 125	30.8		9.88		20.4	103		P
Zinc	mg/Kg	75 - 125	35.5		19.9		13.6	115		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2176
contract: CAMP02 **lab code:** CHEM **case no.:** Q2176 **sas no.:** Q2176
matrix: Solid **sample id:** Q2177-04 **client id:** B-187-SB02MSD
Percent Solids for Sample: 62.8 **Spiked ID:** Q2177-04MSD **Percent Solids for Spike Sample:** 62.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	9640		5970		150	2448		P
Antimony	mg/Kg	75 - 125	21.9		3.76	U	58.4	38	N	P
Arsenic	mg/Kg	75 - 125	57.8		1.00	J	58.4	97		P
Barium	mg/Kg	75 - 125	23.7		5.38	J	14.6	126	N	P
Beryllium	mg/Kg	75 - 125	14.3		0.29	J	14.6	96		P
Cadmium	mg/Kg	75 - 125	15.0		0.19	J	14.6	102		P
Calcium	mg/Kg	75 - 125	868		427		73.0	604		P
Chromium	mg/Kg	75 - 125	41.4		8.68		29.2	112		P
Cobalt	mg/Kg	75 - 125	20.1		3.45		14.6	114		P
Copper	mg/Kg	75 - 125	31.2		6.86		21.9	111		P
Iron	mg/Kg	75 - 125	13600		9960		220	1676		P
Lead	mg/Kg	75 - 125	77.2		4.48		73.0	100		P
Magnesium	mg/Kg	75 - 125	2430		1580		150	565		P
Manganese	mg/Kg	75 - 125	98.2		65.9		14.6	221		P
Nickel	mg/Kg	75 - 125	49.4		8.35		36.5	113		P
Potassium	mg/Kg	75 - 125	1250		356		730	123		P
Selenium	mg/Kg	75 - 125	136		1.50	U	150	91		P
Silver	mg/Kg	75 - 125	5.46		0.75	U	5.5	99		P
Sodium	mg/Kg	75 - 125	789		357		220	196	N	P
Thallium	mg/Kg	75 - 125	136		3.00	U	150	91		P
Vanadium	mg/Kg	75 - 125	37.2		9.88		21.9	125		P
Zinc	mg/Kg	75 - 125	43.4		19.9		14.6	161	N	P