

metals
- 5a -
MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2150
contract: CAMP02 **lab code:** CHEM **case no.:** Q2150 **sas no.:** Q2150
matrix: Solid **sample id:** Q2150-01 **client id:** TP-44MS
Percent Solids for Sample: 78.9 **Spiked ID:** Q2150-01MS **Percent Solids for Spike Sample:** 78.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.34		0.030		0.33	95		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2150
contract: CAMP02 **lab code:** CHEM **case no.:** Q2150 **sas no.:** Q2150
matrix: Solid **sample id:** Q2150-01 **client id:** TP-44MSD
Percent Solids for Sample: 78.9 **Spiked ID:** Q2150-01MSD **Percent Solids for Spike Sample:** 78.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.32		0.030		0.3	95		CV

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MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2150
contract: CAMP02 **lab code:** CHEM **case no.:** Q2150 **sas no.:** Q2150
matrix: Solid **sample id:** Q2152-01 **client id:** OK-02-05292025MS
Percent Solids for Sample: 88 **Spiked ID:** Q2152-01MS **Percent Solids for Spike Sample:** 88

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5510		5040		100	470		P
Antimony	mg/Kg	75 - 125	16.1		2.32	U	41.1	39	N	P
Arsenic	mg/Kg	75 - 125	35.7		1.71		41.1	83		P
Barium	mg/Kg	75 - 125	32.4		22.3		10.3	98		P
Beryllium	mg/Kg	75 - 125	8.10		0.43		10.3	74	N	P
Cadmium	mg/Kg	75 - 125	10.6		0.59		10.3	97		P
Calcium	mg/Kg	75 - 125	3330		4220		51.4	-1717		P
Chromium	mg/Kg	75 - 125	28.5		10.7		20.6	87		P
Cobalt	mg/Kg	75 - 125	18.4		8.33		10.3	97		P
Copper	mg/Kg	75 - 125	43.3		32.7		15.4	69	N	P
Iron	mg/Kg	75 - 125	12600		12500		150	78		P
Lead	mg/Kg	75 - 125	58.2		6.97		51.4	100		P
Magnesium	mg/Kg	75 - 125	3150		3070		100	76		P
Manganese	mg/Kg	75 - 125	175		150		10.3	246		P
Nickel	mg/Kg	75 - 125	41.4		13.2		25.7	109		P
Potassium	mg/Kg	75 - 125	1670		1290		510	74	N	P
Selenium	mg/Kg	75 - 125	78.5		0.93	U	100	78		P
Silver	mg/Kg	75 - 125	3.14		0.46	U	3.9	80		P
Sodium	mg/Kg	75 - 125	427		319		150	72	N	P
Thallium	mg/Kg	75 - 125	90.8		1.86	U	100	91		P
Vanadium	mg/Kg	75 - 125	35.5		23.8		15.4	76		P
Zinc	mg/Kg	75 - 125	33.6		23.6		10.3	97		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2150
contract: CAMP02 **lab code:** CHEM **case no.:** Q2150 **sas no.:** Q2150
matrix: Solid **sample id:** Q2152-01 **client id:** OK-02-05292025MSD
Percent Solids for Sample: 88 **Spiked ID:** Q2152-01MSD **Percent Solids for Spike Sample:** 88

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5690		5040		100	649		P
Antimony	mg/Kg	75 - 125	15.0		2.32	U	40.4	37	N	P
Arsenic	mg/Kg	75 - 125	34.9		1.71		40.4	82		P
Barium	mg/Kg	75 - 125	33.5		22.3		10.1	110		P
Beryllium	mg/Kg	75 - 125	8.49		0.43		10.1	80		P
Cadmium	mg/Kg	75 - 125	10.2		0.59		10.1	95		P
Calcium	mg/Kg	75 - 125	3990		4220		50.5	-454		P
Chromium	mg/Kg	75 - 125	31.2		10.7		20.2	101		P
Cobalt	mg/Kg	75 - 125	18.5		8.33		10.1	101		P
Copper	mg/Kg	75 - 125	45.7		32.7		15.2	86		P
Iron	mg/Kg	75 - 125	12800		12500		150	210		P
Lead	mg/Kg	75 - 125	54.4		6.97		50.5	94		P
Magnesium	mg/Kg	75 - 125	3460		3070		100	394		P
Manganese	mg/Kg	75 - 125	171		150		10.1	215		P
Nickel	mg/Kg	75 - 125	38.6		13.2		25.3	100		P
Potassium	mg/Kg	75 - 125	1900		1290		510	119		P
Selenium	mg/Kg	75 - 125	77.0		0.93	U	100	77		P
Silver	mg/Kg	75 - 125	3.06		0.46	U	3.8	80		P
Sodium	mg/Kg	75 - 125	449		319		150	86		P
Thallium	mg/Kg	75 - 125	88.9		1.86	U	100	89		P
Vanadium	mg/Kg	75 - 125	36.4		23.8		15.2	83		P
Zinc	mg/Kg	75 - 125	32.9		23.6		10.1	92		P