

metals
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MATRIX SPIKE SUMMARY

client: Century Management Services, Inc **level:** low **sdg no.:** Q2666
contract: CENT03 **lab code:** ACE
matrix: Solid **sample id:** Q2649-01 **client id:** WC-1MS
Percent Solids for Sample: 89.3 **Spiked ID:** Q2649-01MS **Percent Solids for Spike Sample:** 89.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.26		0.014	U	0.3	88		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: Century Management Services, Inc **level:** low **sdg no.:** Q2666
contract: CENT03 **lab code:** ACE
matrix: Solid **sample id:** Q2649-01 **client id:** WC-1MSD
Percent Solids for Sample: 89.3 **Spiked ID:** Q2649-01MSD **Percent Solids for Spike Sample:** 89.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.25		0.014	U	0.28	91		CV

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MATRIX SPIKE SUMMARY

client: Century Management Services, Inc **level:** low **sdg no.:** Q2666
contract: CENT03 **lab code:** ACE
matrix: Solid **sample id:** Q2674-01 **client id:** TR-04-072225MS

Percent Solids for Sample: 98.6 **Spiked ID:** Q2674-01MS **Percent Solids for Spike Sample:** 98.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	1400		1280		88.2	133		P
Antimony	mg/Kg	75 - 125	25.6		2.08	U	35.3	72	N	P
Arsenic	mg/Kg	75 - 125	35.0		1.29		35.3	96		P
Barium	mg/Kg	75 - 125	13.4		3.90	J	8.8	107		P
Beryllium	mg/Kg	75 - 125	9.17		0.095	J	8.8	103		P
Cadmium	mg/Kg	75 - 125	8.54		0.25	U	8.8	97		P
Calcium	mg/Kg	75 - 125	1160		1070		44.1	203		P
Chromium	mg/Kg	75 - 125	21.6		3.87		17.6	101		P
Cobalt	mg/Kg	75 - 125	9.93		0.93	J	8.8	102		P
Copper	mg/Kg	75 - 125	17.7		3.45		13.2	108		P
Iron	mg/Kg	75 - 125	2850		2860		130	-6		P
Lead	mg/Kg	75 - 125	44.3		1.67		44.1	97		P
Magnesium	mg/Kg	75 - 125	589		747		88.2	-179		P
Manganese	mg/Kg	75 - 125	27.3		27.0		8.8	3	N	P
Nickel	mg/Kg	75 - 125	24.5		1.84		22.0	103		P
Potassium	mg/Kg	75 - 125	545		110		440	99		P
Selenium	mg/Kg	75 - 125	80.3		0.83	U	88.2	91		P
Silver	mg/Kg	75 - 125	3.43		0.12	J	3.3	101		P
Sodium	mg/Kg	75 - 125	169		38.2	J	130	101		P
Thallium	mg/Kg	75 - 125	77.9		1.66	U	88.2	88		P
Vanadium	mg/Kg	75 - 125	18.9		5.49		13.2	102		P
Zinc	mg/Kg	75 - 125	13.6		4.55		8.8	103		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Century Management Services, Inc</u>	level: <u>low</u>	sdg no.: <u>Q2666</u>
contract: <u>CENT03</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q2674-01</u>	client id: <u>TR-04-072225MSD</u>
Percent Solids for Sample: 98.6	Spiked ID: Q2674-01MSD	Percent Solids for Spike Sample: 98.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	1320		1280		92.2	40		P
Antimony	mg/Kg	75 - 125	28.5		2.08	U	36.9	77		P
Arsenic	mg/Kg	75 - 125	36.0		1.29		36.9	94		P
Barium	mg/Kg	75 - 125	14.4		3.90	J	9.2	114		P
Beryllium	mg/Kg	75 - 125	9.36		0.095	J	9.2	101		P
Cadmium	mg/Kg	75 - 125	8.78		0.25	U	9.2	95		P
Calcium	mg/Kg	75 - 125	1310		1070		46.1	531		P
Chromium	mg/Kg	75 - 125	21.6		3.87		18.4	97		P
Cobalt	mg/Kg	75 - 125	10.2		0.93	J	9.2	101		P
Copper	mg/Kg	75 - 125	18.2		3.45		13.8	107		P
Iron	mg/Kg	75 - 125	2680		2860		140	-129		P
Lead	mg/Kg	75 - 125	45.8		1.67		46.1	96		P
Magnesium	mg/Kg	75 - 125	737		747		92.2	-10		P
Manganese	mg/Kg	75 - 125	31.0		27.0		9.2	43	N	P
Nickel	mg/Kg	75 - 125	25.1		1.84		23.1	101		P
Potassium	mg/Kg	75 - 125	569		110		460	100		P
Selenium	mg/Kg	75 - 125	83.7		0.83	U	92.2	91		P
Silver	mg/Kg	75 - 125	3.60		0.12	J	3.5	99		P
Sodium	mg/Kg	75 - 125	178		38.2	J	140	100		P
Thallium	mg/Kg	75 - 125	83.3		1.66	U	92.2	90		P
Vanadium	mg/Kg	75 - 125	19.1		5.49		13.8	98		P
Zinc	mg/Kg	75 - 125	14.2		4.55		9.2	105		P