

metals
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MATRIX SPIKE SUMMARY

client:	<u>Zuccaro Inc.</u>	level:	<u>low</u>	sdg no.:	<u>Q3032</u>
contract:	<u>ZUCC01</u>			lab code:	<u>ACE</u>
matrix:	<u>Solid</u>	sample id:	<u>Q3009-01</u>	client id:	<u>TR-04-090325MS</u>
Percent Solids for Sample:	96.8	Spiked ID:	Q3009-01MS	Percent Solids for Spike Sample:	96.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.22		0.013	U	0.27	81		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Zuccaro Inc.</u>	level:	<u>low</u>	sdg no.:	<u>Q3032</u>
contract:	<u>ZUCC01</u>			lab code:	<u>ACE</u>
matrix:	<u>Solid</u>	sample id:	<u>Q3009-01</u>	client id:	<u>TR-04-090325MSD</u>
Percent Solids for Sample:	96.8	Spiked ID:	Q3009-01MSD	Percent Solids for Spike Sample:	96.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.23		0.013	U	0.27	84		CV

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MATRIX SPIKE SUMMARY

client: Zuccaro Inc. **level:** low **sdg no.:** Q3032
contract: ZUCC01 **lab code:** ACE
matrix: Solid **sample id:** Q3032-04 **client id:** SOIL-PILE-2MS

Percent Solids for Sample: 83.2 **Spiked ID:** Q3032-04MS **Percent Solids for Spike Sample:** 83.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	7480		7000		100	475		P
Antimony	mg/Kg	75 - 125	14.3		2.59	U	40.7	35	N	P
Arsenic	mg/Kg	75 - 125	34.6		4.40		40.7	74	N	P
Barium	mg/Kg	75 - 125	54.6		37.5		10.2	168	N	P
Beryllium	mg/Kg	75 - 125	7.65		0.59		10.2	69	N	P
Cadmium	mg/Kg	75 - 125	10.4		0.62		10.2	96		P
Calcium	mg/Kg	75 - 125	2610		2570		50.9	87		P
Chromium	mg/Kg	75 - 125	28.4		12.8		20.4	77		P
Cobalt	mg/Kg	75 - 125	18.3		7.81		10.2	103		P
Copper	mg/Kg	75 - 125	38.7		20.8		15.3	117		P
Iron	mg/Kg	75 - 125	15700		16700		150	-662		P
Lead	mg/Kg	75 - 125	135		64.6		50.9	138	N	P
Magnesium	mg/Kg	75 - 125	2480		2120		100	362		P
Manganese	mg/Kg	75 - 125	177		211		10.2	-336		P
Nickel	mg/Kg	75 - 125	37.6		12.8		25.5	97		P
Potassium	mg/Kg	75 - 125	1000		552		510	88		P
Selenium	mg/Kg	75 - 125	71.8		1.04	U	100	72	N	P
Silver	mg/Kg	75 - 125	3.38		0.47	J	3.8	77		P
Sodium	mg/Kg	75 - 125	642		383		150	173	N	P
Thallium	mg/Kg	75 - 125	83.8		2.07	U	100	84		P
Vanadium	mg/Kg	75 - 125	37.8		24.3		15.3	88		P
Zinc	mg/Kg	75 - 125	108		72.2		10.2	352		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Zuccaro Inc. **level:** low **sdg no.:** Q3032
contract: ZUCC01 **lab code:** ACE
matrix: Solid **sample id:** Q3032-04 **client id:** SOIL-PILE-2MSD

Percent Solids for Sample: 83.2 **Spiked ID:** Q3032-04MSD **Percent Solids for Spike Sample:** 83.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	7930		7000		110	840		P
Antimony	mg/Kg	75 - 125	13.7		2.59	U	42.4	32	N	P
Arsenic	mg/Kg	75 - 125	35.5		4.40		42.4	73	N	P
Barium	mg/Kg	75 - 125	56.2		37.5		10.6	176	N	P
Beryllium	mg/Kg	75 - 125	7.67		0.59		10.6	67	N	P
Cadmium	mg/Kg	75 - 125	10.9		0.62		10.6	97		P
Calcium	mg/Kg	75 - 125	3060		2570		52.9	934		P
Chromium	mg/Kg	75 - 125	30.2		12.8		21.2	82		P
Cobalt	mg/Kg	75 - 125	19.4		7.81		10.6	109		P
Copper	mg/Kg	75 - 125	36.8		20.8		15.9	101		P
Iron	mg/Kg	75 - 125	18000		16700		160	812		P
Lead	mg/Kg	75 - 125	146		64.6		52.9	154	N	P
Magnesium	mg/Kg	75 - 125	2620		2120		110	451		P
Manganese	mg/Kg	75 - 125	241		211		10.6	284		P
Nickel	mg/Kg	75 - 125	40.5		12.8		26.5	104		P
Potassium	mg/Kg	75 - 125	1160		552		530	114		P
Selenium	mg/Kg	75 - 125	72.4		1.04	U	110	66	N	P
Silver	mg/Kg	75 - 125	3.57		0.47	J	4.0	78		P
Sodium	mg/Kg	75 - 125	589		383		160	129	N	P
Thallium	mg/Kg	75 - 125	84.7		2.07	U	110	77		P
Vanadium	mg/Kg	75 - 125	37.9		24.3		15.9	86		P
Zinc	mg/Kg	75 - 125	106		72.2		10.6	317		P