

metals
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MATRIX SPIKE SUMMARY

client: Vermont's Original, LLC **level:** low **sdg no.:** Q3101
contract: DAIR01 **lab code:** ACE
matrix: Solid **sample id:** Q3104-01 **client id:** SU-04-091525MS

Percent Solids for Sample: 94.7 **Spiked ID:** Q3104-01MS **Percent Solids for Spike Sample:** 94.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	6440		5130		92.2	1419		P
Antimony	mg/Kg	75 - 125	14.3		2.51	U	36.9	39	N	P
Arsenic	mg/Kg	75 - 125	30.5		2.25		36.9	76		P
Barium	mg/Kg	75 - 125	49.0		35.2		9.2	149	N	P
Beryllium	mg/Kg	75 - 125	6.84		0.40		9.2	70	N	P
Cadmium	mg/Kg	75 - 125	8.06		0.20	J	9.2	85		P
Calcium	mg/Kg	75 - 125	2430		2040		46.1	851		P
Chromium	mg/Kg	75 - 125	25.2		10.5		18.4	80		P
Cobalt	mg/Kg	75 - 125	15.1		5.96		9.2	99		P
Copper	mg/Kg	75 - 125	31.3		17.7		13.8	99		P
Iron	mg/Kg	75 - 125	13300		11600		140	1213		P
Lead	mg/Kg	75 - 125	73.7		24.5		46.1	107		P
Magnesium	mg/Kg	75 - 125	2300		1850		92.2	494		P
Manganese	mg/Kg	75 - 125	235		227		9.2	82		P
Mercury	mg/Kg	80 - 120	0.31		0.085		0.25	90		CV
Nickel	mg/Kg	75 - 125	32.2		10.5		23.1	94		P
Potassium	mg/Kg	75 - 125	944		437		460	110		P
Selenium	mg/Kg	75 - 125	68.5		1.01	U	92.2	74	N	P
Silver	mg/Kg	75 - 125	3.21		0.35	J	3.5	82		P
Sodium	mg/Kg	75 - 125	516		316		140	143	N	P
Thallium	mg/Kg	75 - 125	79.5		2.01	U	92.2	86		P
Vanadium	mg/Kg	75 - 125	34.0		21.3		13.8	92		P
Zinc	mg/Kg	75 - 125	44.8		33.2		9.2	126	N	P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Vermont's Original, LLC **level:** low **sdg no.:** Q3101
contract: DAIR01 **lab code:** ACE
matrix: Solid **sample id:** Q3104-01 **client id:** SU-04-091525MSD

Percent Solids for Sample: 94.7 **Spiked ID:** Q3104-01MSD **Percent Solids for Spike Sample:** 94.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5950		5130		93.4	877		P
Antimony	mg/Kg	75 - 125	15.4		2.51	U	37.4	41	N	P
Arsenic	mg/Kg	75 - 125	32.1		2.25		37.4	80		P
Barium	mg/Kg	75 - 125	42.1		35.2		9.3	74	N	P
Beryllium	mg/Kg	75 - 125	7.34		0.40		9.3	75		P
Cadmium	mg/Kg	75 - 125	8.50		0.20	J	9.3	89		P
Calcium	mg/Kg	75 - 125	2380		2040		46.7	725		P
Chromium	mg/Kg	75 - 125	27.7		10.5		18.7	92		P
Cobalt	mg/Kg	75 - 125	15.0		5.96		9.3	97		P
Copper	mg/Kg	75 - 125	29.6		17.7		14.0	85		P
Iron	mg/Kg	75 - 125	11700		11600		140	81		P
Lead	mg/Kg	75 - 125	65.8		24.5		46.7	88		P
Magnesium	mg/Kg	75 - 125	2060		1850		93.4	226		P
Manganese	mg/Kg	75 - 125	237		227		9.3	109		P
Mercury	mg/Kg	80 - 120	0.33		0.085		0.27	92		CV
Nickel	mg/Kg	75 - 125	32.2		10.5		23.4	93		P
Potassium	mg/Kg	75 - 125	862		437		470	90		P
Selenium	mg/Kg	75 - 125	72.7		1.01	U	93.4	78		P
Silver	mg/Kg	75 - 125	3.27		0.35	J	3.5	83		P
Sodium	mg/Kg	75 - 125	458		316		140	101		P
Thallium	mg/Kg	75 - 125	83.8		2.01	U	93.4	90		P
Vanadium	mg/Kg	75 - 125	32.7		21.3		14.0	82		P
Zinc	mg/Kg	75 - 125	40.5		33.2		9.3	79		P