

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Viva Nova Inc</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2828</u>
Contract:	<u>VIVA01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2828-01</u>	Client ID:	<u>POWDERDUP</u>
Percent Solids for Sample:	99.4	Duplicate ID	Q2828-01DUP	Percent Solids for Spike Sample:	99.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	7750		7150		8		P
Antimony	mg/Kg	20	4.95		4.87		2		P
Arsenic	mg/Kg	20	5.28		5.00		5		P
Barium	mg/Kg	20	123		112		9		P
Beryllium	mg/Kg	20	0.95		0.88		7		P
Cadmium	mg/Kg	20	4.95		4.56		8		P
Calcium	mg/Kg	20	8670		8040		8		P
Chromium	mg/Kg	20	60.9		55.8		9		P
Cobalt	mg/Kg	20	40.3		36.8		9		P
Copper	mg/Kg	20	76.1		71.4		6		P
Iron	mg/Kg	20	12000		11000		9		P
Lead	mg/Kg	20	71.4		66.2		8		P
Magnesium	mg/Kg	20	1200		1120		7		P
Manganese	mg/Kg	20	207		192		8		P
Nickel	mg/Kg	20	143		131		9		P
Potassium	mg/Kg	20	309		285		8		P
Selenium	mg/Kg	20	0.51	J	0.58	J	14		P
Silver	mg/Kg	20	1.58		1.47		7		P
Sodium	mg/Kg	20	872		806		8		P
Thallium	mg/Kg	20	0.43	J	0.64	J	40		P
Vanadium	mg/Kg	20	31.8		29.6		7		P
Zinc	mg/Kg	20	240		222		8		P

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Client:	<u>Viva Nova Inc</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2828</u>
Contract:	<u>VIVA01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2828-01MS</u>	Client ID:	<u>POWDERMSD</u>
Percent Solids for Sample:	99.4	Duplicate ID	Q2828-01MSD	Percent Solids for Spike Sample:	99.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	9300		10600		13		P
Antimony	mg/Kg	20	12.2		10.5		15		P
Arsenic	mg/Kg	20	17.9		20.2		12		P
Barium	mg/Kg	20	117		120		3		P
Beryllium	mg/Kg	20	3.99		4.64		15		P
Cadmium	mg/Kg	20	12.5		13.8		10		P
Calcium	mg/Kg	20	10400		12400		18		P
Chromium	mg/Kg	20	62.4		76.4		20		P
Cobalt	mg/Kg	20	47.2		52.6		11		P
Copper	mg/Kg	20	80.6		84.2		4		P
Iron	mg/Kg	20	10200		12600		21	*	P
Lead	mg/Kg	20	110		116		5		P
Magnesium	mg/Kg	20	1470		1710		15		P
Manganese	mg/Kg	20	219		251		14		P
Nickel	mg/Kg	20	157		178		13		P
Potassium	mg/Kg	20	551		582		5		P
Selenium	mg/Kg	20	30.0		34.3		13		P
Silver	mg/Kg	20	3.22		3.45		7		P
Sodium	mg/Kg	20	1030		1050		2		P
Thallium	mg/Kg	20	67.0		75.0		11		P
Vanadium	mg/Kg	20	56.1		41.4		30	*	P
Zinc	mg/Kg	20	244		250		2		P

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Viva Nova Inc</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2828</u>
Contract:	<u>VIVA01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2831-01</u>	Client ID:	<u>VNJ-238DUP</u>
Percent Solids for Sample:	93.1	Duplicate ID	Q2831-01DUP	Percent Solids for Spike Sample:	93.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.037		0.040		8		CV

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Viva Nova Inc</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2828</u>
Contract:	<u>VIVA01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2831-01MS</u>	Client ID:	<u>VNJ-238MSD</u>
Percent Solids for Sample:	93.1	Duplicate ID	Q2831-01MSD	Percent Solids for Spike Sample:	93.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.29		0.30		2		CV