15-182-4048

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REPORT OF ANALYSIS

ENP INC PO BOX 618 MENDOTA IL 61342 For: (26756) ENP INC FERTILIZER ANALYSIS

	Level Found		Reportin	ng	Analyst-	Verified-
Analysis	As Received	Units	Limit	Method	Date	Date
Sample ID: HORT AMERICAS HYDR	OPONIC FERT 9-7-37 Lab	Number: 241	5591	Date Sampled: 2015-06-24		
Arsenic (total)	n.d.	mg/kg	5.0	EPA 6010 *	trh1-2015/06/29	bab2-2015/07/01
Cadmium (total)	n.d.	mg/kg	0.50	EPA 6010 *	trh1-2015/06/29	bab2-2015/07/01
Chromium (total)	n.d.	mg/kg	1.00	EPA 6010 *	trh1-2015/06/29	bab2-2015/07/01
Cobalt (total)	1.76	mg/kg	1.00	EPA 6010 *	trh1-2015/06/29	bab2-2015/07/01
Copper (total)	213	mg/kg	1.0	EPA 6010 *	trh1-2015/06/29	bab2-2015/07/01
Mercury (total)	n.d.	mg/kg	0.05	EPA 7471 *	ccm2-2015/06/30	bab2-2015/07/01
Molybdenum (total)	202	mg/kg	1.0	EPA 6010 *	trh1-2015/06/29	bab2-2015/07/01
Nickel (total)	n.d.	mg/kg	1.0	EPA 6010 *	trh1-2015/06/29	bab2-2015/07/01
Lead (total)	n.d.	mg/kg	5.0	EPA 6010 *	trh1-2015/06/29	bab2-2015/07/01
Selenium (total)	n.d.	mg/kg	10.0	EPA 6010 *	trh1-2015/06/29	bab2-2015/07/01
Zinc (total)	1587	mg/kg	2.0	EPA 6010 *	trh1-2015/06/29	bab2-2015/07/01

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ENP INC PO BOX 618 MENDOTA IL 61342 For: (26756) ENP INC FERTILIZER ANALYSIS

	Level Found	Reporting		Analyst-	Verified-	
Analysis	As Received	Units	Limit	Method	Date	Date

Sample(s) was prepared for EPA 6010 analysis by EPA 3050b.

All results are reported on an AS RECEIVED basis., n.d. = not detected, ppm = parts per million, ppm = mg/kg

For questions please contact:

Rob Ferris

Account Manager

rob.ferris@midwestlabs.com (402)829-9871

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REPORT OF ANALYSIS

ENP INC PO BOX 618 MENDOTA IL 61342 For: (26756) ENP INC FERTILIZER ANALYSIS

Detailed Method Description(s)

ME 042

Analysis follows MWL ME 042 which is based on EPA 6010b, Inductively Coupled Plasma (ICP).

A light emission technique where prepared samples are injected into a high energy plasma that forces the elements in the injected sample to emit light energies which are proportional to the level of minerals and metals present. The light is then detected and correlated to the levels of minerals and metals in the original sample.

ME 067

Samples are analyzed for mercury using MWL ME 067 which is based upon EPA 7471, cold vapor atomic absorption (CVAA).

Samples are prepared via MWL ME 037 that uses a series of digestion steps involving hot mineral acids and oxidizers so as to destroy organic matter and solubilize mercury. The mercury is reduced by use of stannous chloride to elemental mercury that is then aerated to the light path of a mercury light of an atomic absorption spectrometer (AAS). The absorption of the mercury light at 253.7 nm is then correlated to the level of mercury present in the original sample.