

Laboratory Results

Sample ID No.: SO-11
Sample Date: April 14, 2010
SampleType: Soil

Laboratory Analyses Performed:

Ammonia, Nitrogen and Nitrate
 Pesticides and Herbicides
 Hormones
 Veterinary Pharmaceuticals
 Wastewater Pharmaceuticals

Chemical	Result	Units	Laboratory Detection Limit
Nitrogen Compounds			
Ammonium-N	210	mg/Kg	0.4
Nitrate-N/Nitrite	245	mg/Kg	0.4
Total Nitrogen/Solid	3330	mg/Kg	100
Hormones			
11-Keto Testosterone	Not Detected	ug/Kg	0.1
17a-Hydroxyprogesterone	Not Detected	ug/Kg	0.1
17alpha-trenbolone	Not Detected	ug/Kg	0.1
17beta-estradiol	Not Detected	ug/Kg	0.1
17beta-trenbolone	Not Detected	ug/Kg	0.1
4-Androstenedione	Not Detected	ug/Kg	0.1
a-Estradiol	Not Detected	ug/Kg	0.1
Androstanedienedione	0.18	ug/Kg	0.1
Androsterone	Not Detected	ug/Kg	0.1
a-Zearalanol	Not Detected	ug/Kg	0.1
a-Zearalenol	Not Detected	ug/Kg	0.1
b-Zearalanol	Not Detected	ug/Kg	0.1
b-Zearalenol	Not Detected	ug/Kg	0.1
Epitestosterone	Not Detected	ug/Kg	0.1
Estriol	Not Detected	ug/Kg	0.1
Estrone	Not Detected	ug/Kg	0.1
Ethynyl Estradiol	Not Detected	ug/Kg	0.1
Melengesterol Acetate	Not Detected	ug/Kg	0.1
Progesterone	0.14	ug/Kg	0.1
Testosterone	Not Detected	ug/Kg	0.1
Pesticides/ Herbicides			
2,3,4,5-Tetrachlorophenol	Not Detected	ug/Kg	13
DACTHAL-DCPA	Not Detected	ug/Kg	13
Diazinon	Not Detected	ug/Kg	26
Dicamba	Not Detected	ug/Kg	13

Chemical	Result	Units	Laboratory Detection Limit
Dichlorprop	Not Detected	ug/Kg	13
Diclofop, Methyl	Not Detected	ug/Kg	13
Dinoseb	Not Detected	ug/Kg	13
Diuron	7.9 J	ug/Kg	13
Endosulfan I	Not Detected	ug/Kg	26
Endosulfan II	Not Detected	ug/Kg	26
Endosulfan Sulfate	Not Detected	ug/Kg	26
Fenhexamid	Not Detected	ug/Kg	26
Fenpropathrin	Not Detected	ug/Kg	26
Imidan	Not Detected	ug/Kg	26
Ioxynil	Not Detected	ug/Kg	13
Kresoxim-methyl	Not Detected	ug/Kg	26
MCPA	Not Detected	ug/Kg	13
MCPP	Not Detected	ug/Kg	13
Metribuzin	Not Detected	ug/Kg	26
Myclobutanil	2.7 J	ug/Kg	26
Oxyfluorfen	470	ug/Kg	26
Pendimethalin	2100	ug/Kg	26
Dichlorprop	Not Detected	ug/Kg	0.48
Diclofop, Methyl	Not Detected	ug/Kg	0.096
Dinoseb	Not Detected	ug/Kg	0.48
Diuron	Not Detected	ug/Kg	0.1
Endosulfan I	Not Detected	ug/Kg	0.1
Endosulfan II	Not Detected	ug/Kg	0.1
Endosulfan Sulfate	Not Detected	ug/Kg	0.1
Fenhexamid	Not Detected	ug/Kg	0.96
Fenpropathrin	Not Detected	ug/Kg	0.1
Imidan	Not Detected	ug/Kg	0.19
Ioxynil	Not Detected	ug/Kg	0.096
Kresoxim-methyl	Not Detected	ug/Kg	0.1
MCPA	Not Detected	ug/Kg	0.19
MCPP	Not Detected	ug/Kg	0.096
Metribuzin	Not Detected	ug/Kg	0.1
Myclobutanil	Not Detected	ug/Kg	0.1
Oxyfluorfen	Not Detected	ug/Kg	0.1
Pendimethalin	Not Detected	ug/Kg	0.1
Pentachlorophenol	Not Detected	ug/Kg	0.096
Picloram	Not Detected	ug/Kg	0.96
Propargite	Not Detected	ug/Kg	0.1
Silvex	Not Detected	ug/Kg	0.19
Simazine	1.6 J	ug/Kg	26
SURFLAN	Not Detected	ug/Kg	1.9
Terbacil	Not Detected	ug/Kg	1.9
Trichlorpyr	Not Detected	ug/Kg	0.096

Chemical	Result	Units	Laboratory Detection Limit
Triflumizole	Not Detected	ug/Kg	0.38
Trifluralin	Not Detected	ug/Kg	0.1
Veterinary Pharmaceuticals			
Chlortetracycline(total)	Not Detected	mg/Kg	0.5
Erythromycin	Not Detected	mg/Kg	0.5
Lincomycin	Not Detected	mg/Kg	0.5
Monensin	Not Detected	mg/Kg	0.5
Oxytetracycline	1.3	mg/Kg	0.5
Ractopamine	Not Detected	mg/Kg	0.5
Sulfachloropyridazine	Not Detected	mg/Kg	0.5
Sulfadimethoxine	Not Detected	mg/Kg	0.5
Sulfamerazine	Not Detected	mg/Kg	0.5
Sulfamethazine	Not Detected	mg/Kg	0.5
Sulfamethazole	Not Detected	mg/Kg	0.5
Sulfamethoxazole	Not Detected	mg/Kg	0.5
Sulfathiazole	Not Detected	mg/Kg	0.5
Tetracycline	Not Detected	mg/Kg	0.5
Tiamulin	Not Detected	mg/Kg	0.5
Tylosin	Not Detected	mg/Kg	0.5
Virginiamycin	Not Detected	mg/Kg	0.5
Wastewater Pharmaceuticals			
Acetaminophen	Not Detected	ug/Kg	100
Amphetamine	Not Detected	ug/Kg	50
Caffeine	Not Detected	ug/Kg	50
Carbamazepine	Not Detected	ug/Kg	50
Cotinine	Not Detected	ug/Kg	50
DEET	Not Detected	ug/Kg	50
Diphenhydramine	Not Detected	ug/Kg	50
Ibuprofen	Not Detected	ug/Kg	50
Methamphetamine	Not Detected	ug/Kg	50
Naproxen	Not Detected	ug/Kg	50
Paraxanthine	Not Detected	ug/Kg	50
Thiabendazole	Not Detected	ug/Kg	50
Triclosan	Not Detected	ug/Kg	50

Laboratory Results

Notes, Abbreviations and Units

Abbreviations

NR - Not Reported

Units

mg/Kg = milligrams per kilogram

ug/Kg = micrograms per kilogram

Data Qualifiers

J = The analyte was positively identified. The associated numerical value is an estimate.