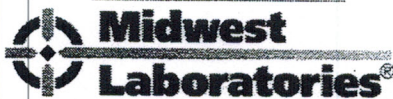


Report Number: 13-039-2067

VIEW YOUR SUBMITTAL FORM



Date Reported: Feb 08, 2013

Date Received: Feb 04, 2013

Date Sampled:

Reported to: SCHAFFER FISHERIES INC
 MIKE SCHAFFER
 PO BOX 399
 THOMSON IL 61285-

NUTRIENT ANALYSIS

Labnum	Sample ID	Analysis	Level Found	Units	Detection Limit	Method	Analyst	Date	Approved By	Date	QC Results
2093632	31	Fat (Acid Hydrolysis)	8.4	%	0.1	AOAC	msl	02/06/13	ems4	Feb 06, 2013	
		Ammoniacal Nitrogen (N)	0.136	%	0.001	AOAC 15TH 920.03	asl4	02/07/13	mjs5	Feb 08, 2013	
		Moisture	68.20	%	0.10	AOAC15E 950.01 100C	jsp2	02/06/13	mjs5	Feb 08, 2013	
		Nitrogen Total (N)	2.10	%	0.01	AOAC 993.13	mgn8	02/06/13	mjs5	Feb 08, 2013	
		Phosphate Total (P205)	2.13	%	0.10	AOAC 16E 957.02E/ICP	kr6	02/06/13	mjs5	Feb 08, 2013	
		Loss on Ignition (Organic Matter)	25.65	%	0.01	550C	jsp2	02/06/13	mjs5	Feb 08, 2013	
		Total Carbon	13.70	%	0.050	C ANALYZER	mgn8	02/06/13	mjs5	Feb 08, 2013	
		pH	3.2	S.U.		PH METER	alm0	02/06/13	mjs5	Feb 08, 2013	
		Nitrate Nitrogen (N)	n.d.	%	0.01	AOAC15ED955.04(C)	alm0	02/06/13	mjs5	Feb 08, 2013	
		Potassium	0.19	%	0.05	ICAP	kr6	02/05/13	mjs5	Feb 08, 2013	
		Phosphorus	0.93	%	0.05	ICAP	kr6	02/05/13	mjs5	Feb 08, 2013	
		Potash (K2O)	0.23	%	0.10	AOAC 16 ED 957.02E/ICP	kr6	02/06/13	mjs5	Feb 08, 2013	
		Sulfur	1.51	%	0.05	ICAP	kr6	02/05/13	mjs5	Feb 08, 2013	
		Calcium	1.52	%	0.01	ICAP	kr6	02/05/13	mjs5	Feb 08, 2013	
		Magnesium	0.06	%	0.01	ICAP	kr6	02/05/13	mjs5	Feb 08, 2013	
		Sodium	0.160	%	0.001	ICAP	kr6	02/05/13	mjs5	Feb 08, 2013	
		Iron (Fe)	372	ppm	50.0	ICAP	kr6	02/05/13	mjs5	Feb 08, 2013	
		Manganese	n.d.	ppm	20.0	ICAP	kr6	02/05/13	mjs5	Feb 08, 2013	
		Copper	n.d.	ppm	20.0	ICAP	kr6	02/05/13	mjs5	Feb 08, 2013	
		Carbon Nitrogen Ratio C/N	7			CALCULATED	mjs	02/04/13	auto	Feb 04, 2013	
		Boron (total)	31	ppm	20	ICAP	kr6	02/05/13	mjs5	Feb 08, 2013	
		Ash	6.15	%	0.10	AOAC 942.05	jsp2	02/06/13	mjs5	Feb 08, 2013	
		Chloride	0.12	%	0.01	USP XXVIII	acm2	02/05/13	mjs5	Feb 08, 2013	
		Mercury (total)	n.d.	mg/kg	0.05	EPA 7471	cjm	02/06/13	kkh9	Feb 07, 2013	
		Zinc (total)	21.9	mg/kg	1.0	EPA 6010	rrd	02/06/13	kkh9	Feb 07, 2013	
		Selenium (total)	n.d.	mg/kg	10.0	EPA 6010	rrd	02/06/13	kkh9	Feb 07, 2013	
		Lead (total)	n.d.	mg/kg	5.0	EPA 6010	rrd	02/06/13	kkh9	Feb 07, 2013	
		Nickel (total)	n.d.	mg/kg	1.0	EPA 6010	rrd	02/06/13	kkh9	Feb 07, 2013	
		Molybdenum (total)	n.d.	mg/kg	1.0	EPA 6010	rrd	02/06/13	kkh9	Feb 07, 2013	
		Cobalt (total)	n.d.	mg/kg	1.0	EPA 6010	rrd	02/06/13	kkh9	Feb 07, 2013	
		Cadmium (total)	n.d.	mg/kg	0.50	EPA 6010	rrd	02/06/13	kkh9	Feb 07, 2013	
		Arsenic (total)	n.d.	mg/kg	10.0	EPA 6010	rrd	02/06/13	kkh9	Feb 07, 2013	

Notes:
 n.d. - Not Detected.
 ICAP - Inductively Coupled Argon Plasma
 AOAC - Association of Official Analytical Chemists

Comments
Sample(s) was prepared for EPA 6010 analysis by EPA method 3050b. kkh9 2013-02-07 14:56:02