Arkansas Analytical Inc.

11701 I-30 Bldg 1, Ste 115 - Little Rock, AR 72209
501-455-3233 Fax 501-455-6118

30 August 2012

Jim Fleer
Oxford Environmental & Safety, Inc
14348 Nieman Rd.
Overland Park, KS 66221

RE: Arkwood Monthly Sampling

SDG Number: 1208285

Enclosed are the results of analyses for samples received by the laboratory on 25-Aug-12 11:30. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals	✔
Containers Correct	✔
COC/Labels Agree	✔
Preservation Confirmed	✔
Received On Ice	✔
Temperature on Receipt	4.0°C

Sincerely,

Norma James
President

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30 August 2012

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14348 Nieman Rd.
Overland Park, KS 66221
Project: Arkwood Monthly Sampling

Date Received: 25-Aug-12 11:30

ANALYTICAL RESULTS

Lab Number: **1208285-01**
Sample Name: **Mouth**
Date/Time Collected: **8/24/12 11:15**
Sample Matrix: **Water**

Semivolatiles	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Pentachlorophenol	ug/L	< 5.00		8/28/12 17:20	A208340	8270D
2,4,6-Tribromophenol [surr]	%	82.0		8/28/12 17:20	A208340	8270D
2-Fluorophenol [surr]	%	31.2		8/28/12 17:20	A208340	8270D
Phenol-d5 [surr]	%	18.5		8/28/12 17:20	A208340	8270D

ANALYTICAL RESULTS

Lab Number: **1208285-02RE1**
Sample Name: **Weir**
Date/Time Collected: **8/24/12 11:30**
Sample Matrix: **Water**

Semivolatiles	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Pentachlorophenol	ug/L	< 5.00		8/29/12 10:25	A208340	8270D
2,4,6-Tribromophenol [surr]	%	55.9		8/29/12 10:25	A208340	8270D
2-Fluorophenol [surr]	%	44.3		8/29/12 10:25	A208340	8270D
Phenol-d5 [surr]	%	26.6		8/29/12 10:25	A208340	8270D

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QUALITY CONTROL RESULTS

Semivolatiles - Quality Control
Analyzed: 28-Aug-12 15:54 By: LR

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A208340 - 3510C Modified										
Blank (A208340-BLK1)				Prepared & Analyzed: 28-Aug-12						
Pentachlorophenol	ND	5.00	ug/L							
Surrogate: 2,4,6-Tribromophenol	*33.5*		*"*	*40.0*		*83.7*	*19.3-113*			
Surrogate: 2-Fluorophenol	*18.5*		*"*	*40.0*		*46.1*	*13-75.4*			
Surrogate: Phenol-d5	*11.0*		*"*	*40.0*		*27.4*	*13.1-75.2*			
LCS (A208340-BS1)				Prepared & Analyzed: 28-Aug-12						
Pentachlorophenol	36.8	5.00	ug/L	40.0		92.0	48.5-124			
Surrogate: 2,4,6-Tribromophenol	*33.1*		*"*	*40.0*		*82.7*	*19.3-113*			
Surrogate: 2-Fluorophenol	*15.3*		*"*	*40.0*		*38.3*	*13-75.4*			
Surrogate: Phenol-d5	*11.4*		*"*	*40.0*		*28.4*	*13.1-75.2*			
LCS Dup (A208340-BSD1)				Prepared & Analyzed: 28-Aug-12						
Pentachlorophenol	36.3	5.00	ug/L	40.0		90.8	48.5-124	1.32	25	
Surrogate: 2,4,6-Tribromophenol	*35.1*		*"*	*40.0*		*87.7*	*19.3-113*			
Surrogate: 2-Fluorophenol	*15.9*		*"*	*40.0*		*39.8*	*13-75.4*			
Surrogate: Phenol-d5	*12.5*		*"*	*40.0*		*31.3*	*13.1-75.2*			
Matrix Spike (A208340-MS1)		**Source: 1208285-01**		Prepared & Analyzed: 28-Aug-12						
Pentachlorophenol	34.4	5.00	ug/L	40.0	ND	85.9	29.2-146			
Surrogate: 2,4,6-Tribromophenol	*36.8*		*"*	*40.0*		*92.1*	*19.3-113*			
Surrogate: 2-Fluorophenol	*14.0*		*"*	*40.0*		*35.1*	*13-75.4*			
Surrogate: Phenol-d5	*11.0*		*"*	*40.0*		*27.6*	*13.1-75.2*			

All Analysis performed according to EPA approved methodology when available:
SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods, 20th Edition.
Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Reviewed by: Norma James

Norma James
President

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30 August 2012

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Date Received: 25-Aug-12 11:30

CHAIN OF CUSTODY FORM(S)

Arkansas Analytical Inc.

11701 Interstate 30, Bldg. 1, Ste. 115
Little Rock, AR 72209
PHONE: 501-455-3233
FAX: 501-455-6118

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION	Project Description	Turnaround Time	Preservation Codes:	
Oxford Environmental & Safety, Inc.	Arkwood Monthly Sampling	24 Hour	1. Cool, 4 Degrees Centigrade	4. Thiosulfate for Dechlorination
14348 Nieman Rd.		48 Hour	2. Sulfuric Acid (H_2SO_4), pH < 2	5. Hydrochloric Acid(HCl)
Overland Park KS 66221	Reporting Information	72 Hour	3. Nitric Acid (HNO_3), pH < 2	6. Sodium Hydroxide (NaOH), pH > 12
	Telephone: 913-706-3422	Routine (5 Day)		
Attn: Jim Fleer	Email: jfleer@oxfordeands.com	Preservative Code: 1		
		Bottle Type: GA		

Sampler(s) Signature: John Fleer

Sampler(s) Printed: James Fleer

Field Number	SAMPLE COLLECTION Date/s	Time/s	Grab	Comp	Number of Bottles	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION	Pentachlorophenol (8270D)	Arkansas Analytical Work Order Number: 1208285
	8/24/2012	11:15	X		1	Water	Mouth	X	01
	8/24/2012	11:30	X		1	Water	Weir	X	02

TEST PARAMETERS

Bottle Type Code: G = Glass; P = Plastic; V = Septum; A = Amber

1. Relinquished by: (Signature)	Date/Time	2. Received by: (Signature)
John Fleer	8/24/2012 12:45 pm	fedex
3. Relinquished by: (Signature)	Date/Time	4. Received by lab: (Signature)
fedex	8/25/12 11:30 A	Norma James

SAMPLE CONDITION UPON RECEIPT IN LAB		
1. CUSTODY SEALS:	✓ Yes	___ No
2. CONTAINERS CORRECT:	___ Yes	___ No
3. COC/LABELS AGREE:	___ Yes	___ No
4. PRESERVATION CONFIRMED:	___ Yes	___ No
5. RECEIVED ON ICE:	___ Yes	___ No
6. TEMPERATURE ON RECEIPT:	4°C	
FOR COMPLETION BY LAB ONLY		

REMARKS / SAMPLE COMMENTS

MS/MSD Collected from: Mouth
O_3 Power: 50%
O_3 Conc.: 37.1 g/Nm³
Residual O_3: 3.45 ppm
Flowrate: 13.75

Revision 1
12/1/10

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