

Re: Fw: Analytical for Perry

Jennifer.Steinberger@RingPower.com

Wed 9/18/2013 3:21 PM

To: Dave.Strickland@RingPower.com <Dave.Strickland@RingPower.com>;

Cc: Fenn, Stephany <Stephany.Fenn@dep.state.fl.us>;

 1 attachment

2013_09_18_15_14_54.pdf;

I have to send the Perry analytical in two separate emails due to the size.

Here is the first one.

(See attached file: 2013_09_18_15_14_54.pdf)

Dave Strickland---09/18/2013 02:52:54 PM---Dave Strickland/Jax/Ring Power/RPC

To: Jennifer Steinberger,

Dave Strickland/Jax/Ring Power/RPC
09/18/2013 02:52 PM
cc

Subject: Fw: Analyticals for Perry

FYI

----- Forwarded by Dave Strickland/Jax/Ring Power/RPC on 09/18/2013 02:52 PM -----

To: "Dave.Strickland@RingPower.com"
<Dave.Strickland@RingPower.com>

"Fenn, Stephany"
<Stephany.Fenn@dep.state.fl.us>

cc: "Padgett, Melissa A." <Melissa.A.Padgett@dep.state.fl.us>

Subject: RE: Analyticals for Perry

Hi Dave,

No I did not receive the analyticals for Perry. We also inspected the Lake City location, and would review those analyticals as well.

I will send you a summary of both inspections tomorrow. Thanks for your help!

Thanks,
Stephany

Please take a few minutes to share your comments on the service you received from the department by clicking on this link [DEP Customer Survey](#).

From: Dave.Strickland@RingPower.com [Dave.Strickland@RingPower.com]

Sent: Tuesday, September 17, 2013 4:08 PM

To: Fenn, Stephany

Subject: Analytics for Perry

Did you receive the package. It was so large we thought you may have a problem receiving it.

Analytical Report #: 17329

for

Ring Power Corporation

Project Manager: Dave Brimblecombe

Project Name: Pecan Row



07-JUL-08



NELAP Certification Number: E84880

1910 Harden Boulevard, Suite 101
Lakeland, Florida 33803-1829
Phone: (863) 686-4271
Fax: (863) 686-4389



07-JUL-08

Dave Brimblecombe
Ring Power Corporation
10421 Fernhill Drive

Riverview, FL 33569

Reference: LAKELAND Work Order No: 17329
Pecan Row
Project Location:
Project Ref No:
Lab Quote No:

Dear Dave Brimblecombe :

The attached Analytical and QC Summaries list the analytical results from the analyses performed on the samples received under the project name referenced above and identified with the Lakeland Laboratories Work Order numbered 17329.

All work recorded herein has been done in accordance with normal professional standards using accepted testing methodologies and QA/QC procedures. Lakeland Laboratories is limited in liability to the actual cost of the pertinent analysis done. Your samples will be retained by Lakeland Laboratories for a period of 30 days following receipt of the samples. After that time, they will be properly disposed of without further notice, unless there is a pre-arranged contractual arrangement. We reserve the right to return any unused samples, extracts or related solutions to you, if we consider it necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Lakeland Laboratories. This report will be filed for at least 3 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you.

We thank you for selecting Lakeland Laboratories Incorporated to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Sincerely,

Mark A. Alessandroni, PE
Technical Director

1910 Harden Boulevard, Suite 101
Lakeland, Florida 33803-1829
Phone: (863) 686-4271
Fax: (863) 686-4389



Certificate of Analysis Summary, 17329

Ring Power Corporation, Riverview, FL

Project Name: Pecan Row

Project Id:
Contact: Dave Brimblecombe
Project Location:

Date Received in Lab: Jun-26-08 09:53 am
Report Date: 07-JUL-08
Project Manager: Mark A. Alessandrone, PE

Analysis Requested	Lab Id: 17329-001 Field Id: Perry Depth: Matrix: SOIL Sampled: Jun-25-08 11:45	
PCBs by EPA 8082	Extracted: Jul-02-08 13:05 Analyzed: Jul-03-08 05:49 Units/RL: mg/kg PQL	
Aroclor-1016	U	0.6600
Aroclor-1221	U	0.6600
Aroclor-1232	U	0.6600
Aroclor-1242	U	0.6600
Aroclor-1248	U	0.6600
Aroclor-1254	U	0.6600
Aroclor-1260	U	0.6600
Percent Moisture	Extracted: Analyzed: Jun-30-08 14:50 Units/RL: % PQL	
Percent Moisture	24.2	
Total Metals by EPA 6010B	Extracted: Jun-30-08 11:59 Analyzed: Jun-30-08 16:18 Units/RL: mg/kg PQL	
Arsenic	1.07	0.528
Cadmium	0.918	0.026
Chromium	11.2	0.528
Lead	15.5	0.528
Total Organic Halides by EPA 9253	Extracted: Analyzed: Jul-01-08 13:49 Units/RL: mg/kg PQL	
Total Organic Halides	27.5	26.4

Certificate of Analysis Summary 17329

Ring Power Corporation, Riverview, FL

Project Name: Pecan Row

Project Id:
Contact: Dave Brimblecombe
Project Location:

Date Received in Lab: Jun-26-08 09:53 am
Report Date: 07-JUL-08
Project Manager: Mark A. Alessandroni, PE

Analysis Requested	Lab Id:	17329-001
	Field Id:	Perry
	Depth:	
	Matrix:	SOIL
	Sampled:	Jun-25-08 11:45
VOHs by EPA 8260	Extracted:	Jun-27-08 03:44
	Analyzed:	Jun-27-08 03:44
	Units/RL:	mg/kg PQL
Bromochloromethane	U	0.660
Bromodichloromethane	U	0.660
Bromoform	U	0.660
Bromomethane	U	0.660
Carbon Tetrachloride	U	0.660
Chlorobenzene	U	0.660
Chloroethane	U	0.660
2-Chloroethyl Vinyl Ether	U	0.660
Chloroform	U	0.660
Chloromethane	U	0.660
2-Chlorotoluene	U	0.660
4-Chlorotoluene	U	0.660
1,2-Dibromo-3-Chloropropane	U	0.660
Dibromochloromethane	U	0.660
1,2-Dibromoethane	U	0.660
Methylene bromide	U	0.660
1,2-Dichlorobenzene	U	0.660
1,3-Dichlorobenzene	U	0.660
p-Dichlorobenzene	U	0.660
Dichlorodifluoromethane	U	0.660
1,2-Dichloroethane	U	0.660
1,1-Dichloroethane	U	0.660
trans-1,2-dichloroethylene	U	0.660
cis-1,2-Dichloroethylene	U	0.660
1,1-Dichloroethylene	U	0.660
2,2-Dichloropropane	U	0.660
1,3-Dichloropropane	U	0.660
1,2-Dichloropropane	U	0.660
trans-1,3-dichloropropene	U	0.660
1,1-Dichloropropene	U	0.660
cis-1,3-Dichloropropene	U	0.660
Hexachlorobutadiene	U	0.660
Methylene Chloride	U	2.64
1,1,1,2-Tetrachloroethane	U	0.660



Certificate of Analysis Summary 17329

Ring Power Corporation, Riverview, FL

Project Name: Pecan Row

Project Id:

Date Received in Lab: Jun-26-08 09:53 am

Contact: Dave Brimblecombe

Report Date: 07-JUL-08

Project Location:

Project Manager: Mark A. Alessandroni, PE

Analysis Requested	Lab Id:	17329-001			
	Field Id:	Perry			
	Depth:				
	Matrix:	SOIL			
	Sampled:	Jun-25-08 11:45			
VOHs by EPA 8260	Extracted:	Jun-27-08 03:44			
	Analyzed:	Jun-27-08 03:44			
	Units/RL:	mg/kg	PQL		
		U	0.660		
1,1,2,2-Tetrachloroethane		U	0.660		
Tetrachloroethylene		U	0.660		
1,2,4-Trichlorobenzene		U	0.660		
1,2,3-Trichlorobenzene		U	0.660		
1,1,2-Trichloroethane		U	0.660		
1,1,1-Trichloroethane		U	0.660		
Trichloroethylene		U	0.660		
Trichlorofluoromethane		U	0.660		
1,2,3-Trichloropropane		U	0.660		
Vinyl Chloride		U	0.660		

Sample Id: Perry	Matrix: SOIL	% Moisture: 24.2
Lab Sample Id: 17329-001	Date Collected: Jun-25-08 11:45	Date Received: Jun-26-08 09:53
Sample Depth:		

Analytical Method: PCBs by EPA 8082

Prep Method: SW3550

Date Analyzed: Jul-03-08 05:49

Analyst: GARGAR

Date Prep: Jul-02-08 13:05

Tech: NOEESP

Seq Number: 64898

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Aroclor-1016	12674-11-2	U	0.6600	0.0205	mg/kg	U	1
Aroclor-1221	11104-28-2	U	0.6600	0.0834	mg/kg	U	1
Aroclor-1232	11141-16-5	U	0.6600	0.0302	mg/kg	U	1
Aroclor-1242	53469-21-9	U	0.6600	0.0205	mg/kg	U	1
Aroclor-1248	12672-29-6	U	0.6600	0.0261	mg/kg	U	1
Aroclor-1254	11097-69-1	U	0.6600	0.0372	mg/kg	U	1
Aroclor-1260	11096-82-5	U	0.6600	0.0222	mg/kg	U	1

Analytical Method: Total Metals by EPA 6010B

Prep Method: SW3050

Date Analyzed: Jun-30-08 16:18

Analyst: JAMCRA

Date Prep: Jun-30-08 11:59

Tech: SARMCK

Seq Number: 64864

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Arsenic	7440-38-2	1.07	0.528	0.293	mg/kg		1
Cadmium	7440-43-9	0.918	0.026	0.019	mg/kg		1
Chromium	7440-47-3	11.2	0.528	0.322	mg/kg		1
Lead	7439-92-1	15.5	0.528	0.285	mg/kg		1

Analytical Method: Total Organic Halides by EPA 9253

Prep Method:

Date Analyzed: Jul-01-08 13:49

Analyst: SARMCK

Date Prep:

Tech: SARMCK

Seq Number: 64875

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Total Organic Halides		27.5	26.4	10.4	mg/kg		1

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Version: 1.004



LAKELAND
LABORATORIES

Certificate of Analysis #: 17329

Ring Power Corporation, Riverview, FL
Pecan Row



Sample Id: Perry	Matrix: SOIL	% Moisture: 24.2
Lab Sample Id: 17329-001	Date Collected: Jun-25-08 11:45	Date Received: Jun-26-08 09:53
Sample Depth:		

Analytical Method: VOHs by EPA 8260

Prep Method: SW5035

Date Analyzed: Jun-27-08 03:44

Analyst: CARCOL

Date Prep: Jun-27-08 03:44

Tech: CARCOL

Seq Number: 64903

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Bromochloromethane	74-97-5	U	0.660	0.132	mg/kg	U	100
Bromodichloromethane	75-27-4	U	0.660	0.164	mg/kg	U	100
Bromoform	75-25-2	U	0.660	0.145	mg/kg	U	100
Bromomethane	74-83-9	U	0.660	0.276	mg/kg	U	100
Carbon Tetrachloride	56-23-5	U	0.660	0.533	mg/kg	U	100
Chlorobenzene	108-90-7	U	0.660	0.186	mg/kg	U	100
Chloroethane	75-00-3	U	0.660	0.329	mg/kg	U	100
2-Chloroethyl Vinyl Ether	110-75-8	U	0.660	0.132	mg/kg	U	100
Chloroform	67-66-3	U	0.660	0.528	mg/kg	U	100
Chloromethane	74-87-3	U	0.660	0.201	mg/kg	U	100
2-Chlorotoluene	95-49-8	U	0.660	0.211	mg/kg	U	100
4-Chlorotoluene	106-43-4	U	0.660	0.180	mg/kg	U	100
1,2-Dibromo-3-Chloropropane	96-12-8	U	0.660	0.528	mg/kg	U	100
Dibromochloromethane	124-48-1	U	0.660	0.189	mg/kg	U	100
1,2-Dibromoethane	106-93-4	U	0.660	0.239	mg/kg	U	100
Methylene bromide	74-95-3	U	0.660	0.255	mg/kg	U	100
1,2-Dichlorobenzene	95-50-1	U	0.660	0.190	mg/kg	U	100
1,3-Dichlorobenzene	541-73-1	U	0.660	0.176	mg/kg	U	100
p-Dichlorobenzene	106-46-7	U	0.660	0.180	mg/kg	U	100
Dichlorodifluoromethane	75-71-8	U	0.660	0.339	mg/kg	U	100
1,2-Dichloroethane	107-06-2	U	0.660	0.222	mg/kg	U	100
1,1-Dichloroethane	75-34-3	U	0.660	0.206	mg/kg	U	100
trans-1,2-dichloroethylene	156-60-5	U	0.660	0.209	mg/kg	U	100
cis-1,2-Dichloroethylene	156-59-2	U	0.660	0.223	mg/kg	U	100
1,1-Dichloroethylene	75-35-4	U	0.660	0.210	mg/kg	U	100
2,2-Dichloropropane	594-20-7	U	0.660	0.232	mg/kg	U	100
1,3-Dichloropropane	142-28-9	U	0.660	0.234	mg/kg	U	100
1,2-Dichloropropane	78-87-5	U	0.660	0.198	mg/kg	U	100
trans-1,3-dichloropropene	10061-02-6	U	0.660	0.193	mg/kg	U	100
1,1-Dichloropropene	563-58-6	U	0.660	0.193	mg/kg	U	100
cis-1,3-Dichloropropene	10061-01-5	U	0.660	0.187	mg/kg	U	100
Hexachlorobutadiene	87-68-3	U	0.660	0.269	mg/kg	U	100
Methylene Chloride	75-09-2	U	2.64	0.859	mg/kg	U	100
1,1,1,2-Tetrachloroethane	630-20-6	U	0.660	0.180	mg/kg	U	100
1,1,2,2-Tetrachloroethane	79-34-5	U	0.660	0.244	mg/kg	U	100
Tetrachloroethylene	127-18-4	U	0.660	0.203	mg/kg	U	100
1,2,4-Trichlorobenzene	120-82-1	U	0.660	0.168	mg/kg	U	100
1,2,3-Trichlorobenzene	87-61-6	U	0.660	0.191	mg/kg	U	100
1,1,2-Trichloroethane	79-00-5	U	0.660	0.271	mg/kg	U	100
1,1,1-Trichloroethane	71-55-6	U	0.660	0.198	mg/kg	U	100
Trichloroethylene	79-01-6	U	0.660	0.173	mg/kg	U	100
Trichlorofluoromethane	75-69-4	U	0.660	0.180	mg/kg	U	100
1,2,3-Trichloropropane	96-18-4	U	0.660	0.243	mg/kg	U	100
Vinyl Chloride	75-01-4	U	0.660	0.172	mg/kg	U	100

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Version: 1.004



Certificate of Analysis #: 17329



Ring Power Corporation, Riverview, FL
Pecan Row

Sample Id: Perry	Matrix: SOIL	% Moisture: 0.000
Lab Sample Id: 17329-001	Date Collected: Jun-25-08 11:45	Date Received: Jun-26-08 09:53
Sample Depth:		

Analytical Method: **Percent Moisture**

Prep Method:

Date Analyzed: **Jun-30-08 14:50**

Analyst: **SARMCK**

Date Prep:

Tech: **SARMCK**

Seq Number: **64859**

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Percent Moisture		24.2			%		1

Sample Id: Perry D	Matrix: SOIL	% Moisture: 24.2
Lab Sample Id: 17329-001 D	Date Collected: Jun-25-08 11:45	Date Received: Jun-26-08 09:53
Sample Depth:		

Analytical Method: **Total Organic Halides by EPA 9253**

Prep Method:

Date Analyzed: **Jul-01-08 13:51**

Analyst: **SARMCK**

Date Prep:

Tech: **SARMCK**

Seq Number: **64875**

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Total Organic Halides		27.7	26.4	10.4	mg/kg		1

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Version: 1.004



Certificate of Analysis #: 17329

Ring Power Corporation, Riverview, FL
Pecan Row



Sample Id: Perry S	Matrix: SOIL	% Moisture: 24.2
Lab Sample Id: 17329-001 S	Date Collected: Jun-25-08 11:45	Date Received: Jun-26-08 09:53
Sample Depth:		

Analytical Method: **PCBs by EPA 8082**

Prep Method: **SW3550**

Date Analyzed: **Jul-03-08 04:48**

Analyst: **GARGAR**

Date Prep: **Jul-02-08 13:05**

Tech: **NOEESP**

Seq Number: **64898**

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Aroclor-1016	12674-11-2	49	0.6600	0.0205	%		1
Aroclor-1260	11096-82-5	48	0.6600	0.0222	%		1

Analytical Method: **Total Organic Halides by EPA 9253**

Prep Method:

Date Analyzed: **Jul-01-08 13:53**

Analyst: **SARMCK**

Date Prep:

Tech: **SARMCK**

Seq Number: **64875**

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Total Organic Halides		113	26.4	10.4	%		1

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Version: 1.004



Certificate of Analysis #: 17329



Ring Power Corporation, Riverview, FL
Pecan Row

Sample Id: Perry S	Matrix: SOIL	% Moisture: 24.2
Lab Sample Id: 17329-001 S	Date Collected: Jun-25-08 11:45	Date Received: Jun-26-08 09:53
Sample Depth:		

Analytical Method: VOHs by EPA 8260

Prep Method: SW5035

Date Analyzed: Jun-27-08 04:14

Analyst: CARCOL

Date Prep: Jun-27-08 04:14

Tech: CARCOL

Seq Number: 64903

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Bromochloromethane	74-97-5	102	0.660	0.132	%		100
Bromodichloromethane	75-27-4	90	0.660	0.164	%		100
Bromoform	75-25-2	82	0.660	0.145	%		100
Bromomethane	74-83-9	49	0.660	0.276	%		100
Carbon Tetrachloride	56-23-5	86	0.660	0.533	%		100
Chlorobenzene	108-90-7	101	0.660	0.186	%		100
Chloroethane	75-00-3	32	0.660	0.329	%		100
2-Chloroethyl Vinyl Ether	110-75-8	93	0.660	0.132	%		100
Chloroform	67-66-3	96	0.660	0.528	%		100
Chloromethane	74-87-3	66	0.660	0.201	%		100
2-Chlorotoluene	95-49-8	93	0.660	0.211	%		100
4-Chlorotoluene	106-43-4	95	0.660	0.180	%		100
1,2-Dibromo-3-Chloropropane	96-12-8	88	0.660	0.528	%		100
Dibromochloromethane	124-48-1	87	0.660	0.189	%		100
1,2-Dibromoethane	106-93-4	96	0.660	0.239	%		100
Methylene bromide	74-95-3	95	0.660	0.255	%		100
1,2-Dichlorobenzene	95-50-1	101	0.660	0.190	%		100
1,3-Dichlorobenzene	541-73-1	100	0.660	0.176	%		100
p-Dichlorobenzene	106-46-7	100	0.660	0.180	%		100
Dichlorodifluoromethane	75-71-8	74	0.660	0.339	%		100
1,2-Dichloroethane	107-06-2	90	0.660	0.222	%		100
1,1-Dichloroethane	75-34-3	92	0.660	0.206	%		100
trans-1,2-dichloroethylene	156-60-5	97	0.660	0.209	%		100
cis-1,2-Dichloroethylene	156-59-2	98	0.660	0.223	%		100
1,1-Dichloroethylene	75-35-4	96	0.660	0.210	%		100
2,2-Dichloropropane	594-20-7	79	0.660	0.232	%		100
1,3-Dichloropropane	142-28-9	95	0.660	0.234	%		100
1,2-Dichloropropane	78-87-5	93	0.660	0.198	%		100
trans-1,3-dichloropropene	10061-02-6	89	0.660	0.193	%		100
1,1-Dichloropropene	563-58-6	95	0.660	0.193	%		100
cis-1,3-Dichloropropene	10061-01-5	89	0.660	0.187	%		100
Hexachlorobutadiene	87-68-3	129	0.660	0.269	%		100
Methylene Chloride	75-09-2	133	2.64	0.859	%		100
1,1,1,2-Tetrachloroethane	630-20-6	94	0.660	0.180	%		100
1,1,2,2-Tetrachloroethane	79-34-5	92	0.660	0.244	%		100
Tetrachloroethylene	127-18-4	103	0.660	0.203	%		100
1,2,4-Trichlorobenzene	120-82-1	101	0.660	0.168	%		100
1,2,3-Trichlorobenzene	87-61-6	104	0.660	0.191	%		100
1,1,2-Trichloroethane	79-00-5	95	0.660	0.271	%		100
1,1,1-Trichloroethane	71-55-6	93	0.660	0.198	%		100
Trichloroethylene	79-01-6	94	0.660	0.173	%		100
Trichlorofluoromethane	75-69-4	80	0.660	0.180	%		100
1,2,3-Trichloropropane	96-18-4	90	0.660	0.243	%		100
Vinyl Chloride	75-01-4	85	0.660	0.172	%		100

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Version: 1.004



Certificate of Analysis #: 17329

Ring Power Corporation, Riverview, FL
Pecan Row



Sample Id: Perry SD	Matrix: SOIL	% Moisture: 24.2
Lab Sample Id: 17329-001 SD	Date Collected: Jun-25-08 11:45	Date Received: Jun-26-08 09:53
Sample Depth:		

Analytical Method: PCBs by EPA 8082

Prep Method: SW3550

Date Analyzed: Jul-03-08 05:18

Analyst: GARGAR
Seq Number: 64898

Date Prep: Jul-02-08 13:05

Tech: NOEESP

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Aroclor-1016	12674-11-2	35	0.6600	0.0205	%		1
Aroclor-1260	11096-82-5	37	0.6600	0.0222	%		1

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Version: 1.004



Certificate of Analysis #: 17329



Ring Power Corporation, Riverview, FL
Pecan Row

Sample Id: Perry SD	Matrix: SOIL	% Moisture: 24.2
Lab Sample Id: 17329-001 SD	Date Collected: Jun-25-08 11:45	Date Received: Jun-26-08 09:53
Sample Depth:		

Analytical Method: VOHs by EPA 8260

Prep Method: SW5035

Date Analyzed: Jun-27-08 04:43

Analyst: CARCOL

Date Prep: Jun-27-08 04:43

Tech: CARCOL

Seq Number: 64903

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Bromochloromethane	74-97-5	102	0.660	0.132	%		100
Bromodichloromethane	75-27-4	90	0.660	0.164	%		100
Bromoform	75-25-2	83	0.660	0.145	%		100
Bromomethane	74-83-9	52	0.660	0.276	%		100
Carbon Tetrachloride	56-23-5	88	0.660	0.533	%		100
Chlorobenzene	108-90-7	101	0.660	0.186	%		100
Chloroethane	75-00-3	32	0.660	0.329	%		100
2-Chloroethyl Vinyl Ether	110-75-8	96	0.660	0.132	%		100
Chloroform	67-66-3	98	0.660	0.528	%		100
Chloromethane	74-87-3	67	0.660	0.201	%		100
2-Chlorotoluene	95-49-8	95	0.660	0.211	%		100
4-Chlorotoluene	106-43-4	96	0.660	0.180	%		100
1,2-Dibromo-3-Chloropropane	96-12-8	91	0.660	0.528	%		100
Dibromochloromethane	124-48-1	88	0.660	0.189	%		100
1,2-Dibromoethane	106-93-4	97	0.660	0.239	%		100
Methylene bromide	74-95-3	95	0.660	0.255	%		100
1,2-Dichlorobenzene	95-50-1	101	0.660	0.190	%		100
1,3-Dichlorobenzene	541-73-1	101	0.660	0.176	%		100
p-Dichlorobenzene	106-46-7	101	0.660	0.180	%		100
Dichlorodifluoromethane	75-71-8	75	0.660	0.339	%		100
1,2-Dichloroethane	107-06-2	90	0.660	0.222	%		100
1,1-Dichloroethane	75-34-3	93	0.660	0.206	%		100
trans-1,2-dichloroethylene	156-60-5	98	0.660	0.209	%		100
cis-1,2-Dichloroethylene	156-59-2	97	0.660	0.223	%		100
1,1-Dichloroethylene	75-35-4	99	0.660	0.210	%		100
2,2-Dichloropropane	594-20-7	80	0.660	0.232	%		100
1,3-Dichloropropane	142-28-9	95	0.660	0.234	%		100
1,2-Dichloropropane	78-87-5	92	0.660	0.198	%		100
trans-1,3-dichloropropene	10061-02-6	88	0.660	0.193	%		100
1,1-Dichloropropene	563-58-6	97	0.660	0.193	%		100
cis-1,3-Dichloropropene	10061-01-5	89	0.660	0.187	%		100
Hexachlorobutadiene	87-68-3	134	0.660	0.269	%		100
Methylene Chloride	75-09-2	134	2.64	0.859	%		100
1,1,1,2-Tetrachloroethane	630-20-6	95	0.660	0.180	%		100
1,1,2,2-Tetrachloroethane	79-34-5	95	0.660	0.244	%		100
Tetrachloroethylene	127-18-4	106	0.660	0.203	%		100
1,2,4-Trichlorobenzene	120-82-1	104	0.660	0.168	%		100
1,2,3-Trichlorobenzene	87-61-6	108	0.660	0.191	%		100
1,1,2-Trichloroethane	79-00-5	96	0.660	0.271	%		100
1,1,1-Trichloroethane	71-55-6	96	0.660	0.198	%		100
Trichloroethylene	79-01-6	95	0.660	0.173	%		100
Trichlorofluoromethane	75-69-4	82	0.660	0.180	%		100
1,2,3-Trichloropropane	96-18-4	92	0.660	0.243	%		100
Vinyl Chloride	75-01-4	89	0.660	0.172	%		100

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Version: 1.004



BS / BSD Recoveries



Project Name: Pecan Row

Report Date 07-JUL-08

Work Order #: 17329

Analyst: JAMCRA

Date Prepared: 06/30/2008

Project ID:

Date Analyzed: 06/30/2008

Lab Batch ID: 64864

Sample: 24507-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Total Metals by EPA 6010B	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	<0.222	25.0	25.5	102	25.0	25.5	102	0	75-125	25	
Cadmium	<0.014	25.0	26.0	104	25.0	26.0	104	0	75-125	25	
Chromium	<0.244	25.0	26.9	108	25.0	26.9	108	0	75-125	25	
Lead	<0.216	25.0	25.6	102	25.0	25.7	103	0	75-125	25	

Analyst: SARMCK

Date Prepared: 07/01/2008

Date Analyzed: 07/01/2008

Lab Batch ID: 64875

Sample: 64875-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Total Organic Halides by EPA 9253	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Total Organic Halides	<7.88	88.6	92.5	104	88.6	89.1	101	4	75-125	30	

Relative Percent Difference RPD = $200 * |(D-F)/(D+F)|$

Blank Spike Recovery [D] = $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes

Sample Id: CP3285 S	Matrix: SOIL	% Moisture: 7.03
Lab Sample Id: 17345-001 S	Date Collected: Jun-27-08 10:00	Date Received: Jun-30-08 10:05
Sample Depth:		

Analytical Method: Total Metals by EPA 6010B

Prep Method: SW3050

Date Analyzed: Jun-30-08 16:07

Analyst: JAMCRA

Date Prep: Jun-30-08 11:59

Tech: SARMCK

Seq Number: 64864

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Arsenic	7440-38-2	95	0.430	0.239	%		1
Cadmium	7440-43-9	99	0.022	0.015	%		1
Chromium	7440-47-3	102	0.430	0.262	%		1
Lead	7439-92-1	55	0.430	0.232	%		1

Sample Id: CP3285 SD	Matrix: SOIL	% Moisture: 7.03
Lab Sample Id: 17345-001 SD	Date Collected: Jun-27-08 10:00	Date Received: Jun-30-08 10:05
Sample Depth:		

Analytical Method: Total Metals by EPA 6010B

Prep Method: SW3050

Date Analyzed: Jun-30-08 16:10

Analyst: JAMCRA

Date Prep: Jun-30-08 11:59

Tech: SARMCK

Seq Number: 64864

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Arsenic	7440-38-2	92	0.430	0.239	%		1
Cadmium	7440-43-9	94	0.022	0.015	%		1
Chromium	7440-47-3	95	0.430	0.262	%		1
Lead	7439-92-1	37	0.430	0.232	%		1

Sample Id: 24507-1-BKS	Matrix: SOLID	% Moisture:
Lab Sample Id: 24507-1-BKS	Date Collected:	Date Received:
Sample Depth:		

Analytical Method: Total Metals by EPA 6010B

Prep Method: SW3050

Date Analyzed: Jun-30-08 16:13

Analyst: JAMCRA

Date Prep: Jun-30-08 11:59

Tech: SARMCK

Seq Number: 64864

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Arsenic	7440-38-2	102	0.400	0.222	%		1
Cadmium	7440-43-9	104	0.020	0.014	%		1
Chromium	7440-47-3	108	0.400	0.244	%		1
Lead	7439-92-1	102	0.400	0.216	%		1

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Version: 1.004



Certificate of Analysis #: 17329



Ring Power Corporation, Riverview, FL
Pecan Row

Sample Id: 24507-1-BLK	Matrix: SOLID	% Moisture:
Lab Sample Id: 24507-1-BLK	Date Collected:	Date Received:
Sample Depth:		

Analytical Method: Total Metals by EPA 6010B

Prep Method: SW3050

Date Analyzed: Jun-30-08 15:54

Analyst: JAMCRA

Date Prep: Jun-30-08 11:59

Tech: SARMCK

Seq Number: 64864

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Arsenic	7440-38-2	U	0.400	0.222	mg/kg	U	1
Cadmium	7440-43-9	U	0.020	0.014	mg/kg	U	1
Chromium	7440-47-3	U	0.400	0.244	mg/kg	U	1
Lead	7439-92-1	U	0.400	0.216	mg/kg	U	1

Sample Id: 24507-1-BSD	Matrix: SOLID	% Moisture:
Lab Sample Id: 24507-1-BSD	Date Collected:	Date Received:
Sample Depth:		

Analytical Method: Total Metals by EPA 6010B

Prep Method: SW3050

Date Analyzed: Jun-30-08 16:15

Analyst: JAMCRA

Date Prep: Jun-30-08 11:59

Tech: SARMCK

Seq Number: 64864

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Arsenic	7440-38-2	102	0.400	0.222	%		1
Cadmium	7440-43-9	104	0.020	0.014	%		1
Chromium	7440-47-3	108	0.400	0.244	%		1
Lead	7439-92-1	103	0.400	0.216	%		1

Sample Id: 24524-1-BKS	Matrix: SOLID	% Moisture:
Lab Sample Id: 24524-1-BKS	Date Collected:	Date Received:
Sample Depth:		

Analytical Method: PCBs by EPA 8082

Prep Method: SW3550

Date Analyzed: Jul-03-08 04:18

Analyst: GARGAR

Date Prep: Jul-02-08 13:05

Tech: NOEESP

Seq Number: 64898

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Aroclor-1016	12674-11-2	89	0.0500	0.0016	%		1
Aroclor-1260	11096-82-5	89	0.0500	0.0017	%		1

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Version: 1.004

2nd half of Perry Analytical Report

Jennifer.Steinberger@RingPower.com

Wed 9/18/2013 3:23 PM

To: Fenn, Stephany <Stephany.Fenn@dep.state.fl.us>;

Cc: Dave.Strickland@RingPower.com <Dave.Strickland@RingPower.com>;

 1 attachment

2013_09_18_15_16_42.pdf;

(See attached file: 2013_09_18_15_16_42.pdf)



Certificate of Analysis #: 17329



Ring Power Corporation, Riverview, FL
Pecan Row

Sample Id: 24524-1-BLK	Matrix: SOLID	% Moisture:
Lab Sample Id: 24524-1-BLK	Date Collected:	Date Received:
Sample Depth:		

Analytical Method: PCBs by EPA 8082

Prep Method: SW3550

Date Analyzed: Jul-03-08 03:47

Analyst: GARGAR

Date Prep: Jul-02-08 13:05

Tech: NOEESP

Seq Number: 64898

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Aroclor-1016	12674-11-2	U	0.0500	0.0016	mg/kg	U	1
Aroclor-1221	11104-28-2	U	0.0500	0.0063	mg/kg	U	1
Aroclor-1232	11141-16-5	U	0.0500	0.0023	mg/kg	U	1
Aroclor-1242	53469-21-9	U	0.0500	0.0016	mg/kg	U	1
Aroclor-1248	12672-29-6	U	0.0500	0.0020	mg/kg	U	1
Aroclor-1254	11097-69-1	U	0.0500	0.0028	mg/kg	U	1
Aroclor-1260	11096-82-5	U	0.0500	0.0017	mg/kg	U	1

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Version: 1.004

Sample Id: 24543-1-BKS	Matrix: SOLID	% Moisture:
Lab Sample Id: 24543-1-BKS	Date Collected:	Date Received:
Sample Depth:		

Analytical Method: VOHs by EPA 8260

Prep Method: SW5035

Date Analyzed: Jun-26-08 21:25

Analyst: CARCOL

Date Prep: Jun-26-08 21:25

Tech: CARCOL

Seq Number: 64903

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Bromochloromethane	74-97-5	95	0.005	0.001	%		1
Bromodichloromethane	75-27-4	88	0.005	0.001	%		1
Bromoform	75-25-2	85	0.005	0.001	%		1
Bromomethane	74-83-9	73	0.005	0.002	%		1
Carbon Tetrachloride	56-23-5	93	0.005	0.004	%		1
Chlorobenzene	108-90-7	93	0.005	0.001	%		1
Chloroethane	75-00-3	80	0.005	0.002	%		1
2-Chloroethyl Vinyl Ether	110-75-8	78	0.005	0.001	%		1
Chloroform	67-66-3	93	0.005	0.004	%		1
Chloromethane	74-87-3	68	0.005	0.002	%		1
2-Chlorotoluene	95-49-8	90	0.005	0.002	%		1
4-Chlorotoluene	106-43-4	90	0.005	0.001	%		1
1,2-Dibromo-3-Chloropropane	96-12-8	83	0.005	0.004	%		1
Dibromochloromethane	124-48-1	88	0.005	0.001	%		1
1,2-Dibromoethane	106-93-4	90	0.005	0.002	%		1
Methylene bromide	74-95-3	90	0.005	0.002	%		1
1,2-Dichlorobenzene	95-50-1	93	0.005	0.001	%		1
1,3-Dichlorobenzene	541-73-1	95	0.005	0.001	%		1
p-Dichlorobenzene	106-46-7	93	0.005	0.001	%		1
Dichlorodifluoromethane	75-71-8	78	0.005	0.003	%		1
1,2-Dichloroethane	107-06-2	90	0.005	0.002	%		1
1,1-Dichloroethane	75-34-3	90	0.005	0.002	%		1
trans-1,2-dichloroethylene	156-60-5	93	0.005	0.002	%		1
cis-1,2-Dichloroethylene	156-59-2	93	0.005	0.002	%		1
1,1-Dichloroethylene	75-35-4	95	0.005	0.002	%		1
2,2-Dichloropropane	594-20-7	95	0.005	0.002	%		1
1,3-Dichloropropane	142-28-9	88	0.005	0.002	%		1
1,2-Dichloropropane	78-87-5	88	0.005	0.002	%		1
trans-1,3-dichloropropene	10061-02-6	88	0.005	0.001	%		1
1,1-Dichloropropene	563-58-6	93	0.005	0.001	%		1
cis-1,3-Dichloropropene	10061-01-5	88	0.005	0.001	%		1
Hexachlorobutadiene	87-68-3	105	0.005	0.002	%		1
Methylene Chloride	75-09-2	123	0.020	0.007	%		1
1,1,1,2-Tetrachloroethane	630-20-6	93	0.005	0.001	%		1
1,1,2,2-Tetrachloroethane	79-34-5	88	0.005	0.002	%		1
Tetrachloroethylene	127-18-4	100	0.005	0.002	%		1
1,2,4-Trichlorobenzene	120-82-1	100	0.005	0.001	%		1
1,2,3-Trichlorobenzene	87-61-6	100	0.005	0.001	%		1
1,1,2-Trichloroethane	79-00-5	90	0.005	0.002	%		1
1,1,1-Trichloroethane	71-55-6	95	0.005	0.002	%		1
Trichloroethylene	79-01-6	90	0.005	0.001	%		1
Trichlorofluoromethane	75-69-4	85	0.005	0.001	%		1
1,2,3-Trichloropropane	96-18-4	85	0.005	0.002	%		1
Vinyl Chloride	75-01-4	78	0.005	0.001	%		1

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Version: 1.004



**LAKELAND
LABORATORIES**

Certificate of Analysis #: 17329

**Ring Power Corporation, Riverview, FL
Pecan Row**



Sample Id: 24543-1-BLK	Matrix: SOLID	% Moisture:
Lab Sample Id: 24543-1-BLK	Date Collected:	Date Received:
Sample Depth:		

Analytical Method: VOHs by EPA 8260

Prep Method: SW5035

Date Analyzed: Jun-26-08 20:56

Analyst: CARCOL

Date Prep: Jun-26-08 20:56

Tech: CARCOL

Seq Number: 64903

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Bromochloromethane	74-97-5	U	0.005	0.001	mg/kg	U	1
Bromodichloromethane	75-27-4	U	0.005	0.001	mg/kg	U	1
Bromoform	75-25-2	U	0.005	0.001	mg/kg	U	1
Bromomethane	74-83-9	U	0.005	0.002	mg/kg	U	1
Carbon Tetrachloride	56-23-5	U	0.005	0.004	mg/kg	U	1
Chlorobenzene	108-90-7	U	0.005	0.001	mg/kg	U	1
Chloroethane	75-00-3	U	0.005	0.002	mg/kg	U	1
2-Chloroethyl Vinyl Ether	110-75-8	U	0.005	0.001	mg/kg	U	1
Chloroform	67-66-3	U	0.005	0.004	mg/kg	U	1
Chloromethane	74-87-3	U	0.005	0.002	mg/kg	U	1
2-Chlorotoluene	95-49-8	U	0.005	0.002	mg/kg	U	1
4-Chlorotoluene	106-43-4	U	0.005	0.001	mg/kg	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	U	0.005	0.004	mg/kg	U	1
Dibromochloromethane	124-48-1	U	0.005	0.001	mg/kg	U	1
1,2-Dibromoethane	106-93-4	U	0.005	0.002	mg/kg	U	1
Methylene bromide	74-95-3	U	0.005	0.002	mg/kg	U	1
1,2-Dichlorobenzene	95-50-1	U	0.005	0.001	mg/kg	U	1
1,3-Dichlorobenzene	541-73-1	U	0.005	0.001	mg/kg	U	1
p-Dichlorobenzene	106-46-7	U	0.005	0.001	mg/kg	U	1
Dichlorodifluoromethane	75-71-8	U	0.005	0.003	mg/kg	U	1
1,2-Dichloroethane	107-06-2	U	0.005	0.002	mg/kg	U	1
1,1-Dichloroethane	75-34-3	U	0.005	0.002	mg/kg	U	1
trans-1,2-dichloroethylene	156-60-5	U	0.005	0.002	mg/kg	U	1
cis-1,2-Dichloroethylene	156-59-2	U	0.005	0.002	mg/kg	U	1
1,1-Dichloroethylene	75-35-4	U	0.005	0.002	mg/kg	U	1
2,2-Dichloropropane	594-20-7	U	0.005	0.002	mg/kg	U	1
1,3-Dichloropropane	142-28-9	U	0.005	0.002	mg/kg	U	1
1,2-Dichloropropane	78-87-5	U	0.005	0.002	mg/kg	U	1
trans-1,3-dichloropropene	10061-02-6	U	0.005	0.001	mg/kg	U	1
1,1-Dichloropropene	563-58-6	U	0.005	0.001	mg/kg	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.005	0.001	mg/kg	U	1
Hexachlorobutadiene	87-68-3	U	0.005	0.002	mg/kg	U	1
Methylene Chloride	75-09-2	U	0.020	0.007	mg/kg	U	1
1,1,1,2-Tetrachloroethane	630-20-6	U	0.005	0.001	mg/kg	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.005	0.002	mg/kg	U	1
Tetrachloroethylene	127-18-4	U	0.005	0.002	mg/kg	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.005	0.001	mg/kg	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.005	0.001	mg/kg	U	1
1,1,2-Trichloroethane	79-00-5	U	0.005	0.002	mg/kg	U	1
1,1,1-Trichloroethane	71-55-6	U	0.005	0.002	mg/kg	U	1
Trichloroethylene	79-01-6	U	0.005	0.001	mg/kg	U	1
Trichlorofluoromethane	75-69-4	U	0.005	0.001	mg/kg	U	1
1,2,3-Trichloropropane	96-18-4	U	0.005	0.002	mg/kg	U	1
Vinyl Chloride	75-01-4	U	0.005	0.001	mg/kg	U	1

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Version: 1.004



Certificate of Analysis #: 17329



Ring Power Corporation, Riverview, FL
Pecan Row

Sample Id: 64875-1-BKS	Matrix: SOLID	% Moisture:
Lab Sample Id: 64875-1-BKS	Date Collected:	Date Received:
Sample Depth:		

Analytical Method: Total Organic Halides by EPA 9253

Prep Method:

Date Analyzed: Jul-01-08 13:46

Analyst: SARMCK

Date Prep:

Tech: SARMCK

Seq Number: 64875

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Total Organic Halides		104	20.0	7.88	%		1

Sample Id: 64875-1-BLK	Matrix: SOLID	% Moisture:
Lab Sample Id: 64875-1-BLK	Date Collected:	Date Received:
Sample Depth:		

Analytical Method: Total Organic Halides by EPA 9253

Prep Method:

Date Analyzed: Jul-01-08 13:47

Analyst: SARMCK

Date Prep:

Tech: SARMCK

Seq Number: 64875

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Total Organic Halides		U	20.0	7.88	mg/kg	U	1

Sample Id: 64875-1-BSD	Matrix: SOLID	% Moisture:
Lab Sample Id: 64875-1-BSD	Date Collected:	Date Received:
Sample Depth:		

Analytical Method: Total Organic Halides by EPA 9253

Prep Method:

Date Analyzed: Jul-01-08 13:58

Analyst: SARMCK

Date Prep:

Tech: SARMCK

Seq Number: 64875

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Total Organic Halides		101	20.0	7.88	%		1

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Version: 1.004

[illegible]

ACCREDITED IN ACCORDANCE WITH
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Quality Control Sample Legend

Lakeland Labs Quality Control Sample Legend

This analytical report may include results for various quality assurance/quality control (QA/QC) samples prepared and analyzed as required within various sample preparation and analytical batches. In-house sample identification is based on the Lakeland Labs Work Order No. followed by the Work Order Item No. For example, the second item on Work Order No. 10000 would be assigned Lab Sample ID 10000-002. The QA/QC sample identifications are affixed with suffixes to differentiate them from the actual sample results.

For QA/QC samples generated in-house such as method blanks, blank spikes, blank spike duplicates, etc., the preparation or analytical batch number is used instead of the Work Order No. To assist the data reviewer, the following legend provides information on the various QA/QC samples and the suffixes used to denote them:

- BLK Method Blank. A method blank, also known as a laboratory control blank (LCB), is a sample of a matrix similar to the batch of associated samples (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses.
- BKS Blank Spike. A blank spike, also known as a calibration verification or laboratory control sample (LCS), is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes. It is generally used to establish intra-laboratory or analyst-specific precision and bias (accuracy) or to assess the performance of all or a portion of the measurement system. Successful analysis of the blank spike sample demonstrates an analytical system's ability to accurately measure target analyte concentrations.
- BSD Blank Spike Duplicate. A blank spike duplicate, also known as a laboratory control sample duplicate (LCSD), is a second blank spike sample, often bracketing a group of samples within a batch. Successful analysis of the blank spike duplicate sample demonstrates not only an analytical system's continuing ability to accurately measure target analyte concentrations, but also, when compared with the blank spike results, the system's precision.
- S Matrix Spike (MS). A matrix spike is a sample prepared by adding a known mass of target analyte(s) to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. Matrix spikes are used, for example, to determine the effect of the matrix on a method's recovery efficiency.
- SD Matrix Spike Duplicate (MSD). A matrix spike duplicate is a second replicate matrix spike prepared in the laboratory and analyzed to obtain a measure of the precision of the recovery for each analyte.
- D Matrix Duplicate (MD). A matrix duplicate is a second replicate matrix prepared in the laboratory and analyzed to obtain a measure of precision.

FLORIDA flagging criteria

Data were reviewed by the
Department Supervisor and QA Director

- A** Value reported is the mean (average) of two or more determinations.
- B** Results based upon colony counts outside the acceptable range.
- J** Estimated value; value not accurate. All results with a "J" qualifier require comment.
 - J1: Surrogate Recoveries exceed established QA/QC Limits
 - J2: No known QA/QC exists.
 - J3: Reported value failed to meet established QA/QC limits or the sample matrix interfered with the ability to make an accurate determination
 - J4: The data is questionable due to improper laboratory or field protocols
- Q** Sample held beyond the accepted holding time
- T** Value reported is less than the laboratory method detection limit. The value is reported for informational purposes, only and shall not be used in statistical analysis.
- U** Compound was analyzed for but not detected at the MDL Level.
- V** Analyte was detected in both the sample and the associated method blank.
- Y** Laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
- I** The reported value is between the laboratory MDL and the laboratory PQL.
- *** Not analyzed due to interference.
- R** Significant rain in the past 48 hours.
- !** Data deviates from historically established concentration ranges.

Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- F** RPD exceeded lab control limits.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

Form 2 - Surrogate Recoveries

Project Name: Pecan Row

Report Date: 07-JUL-08

Work Order #: 17329

Project ID:

Lab Batch #: 64898

Sample: 17329-001 / SMP

Batch: 1 Matrix: Solid

Units: ug/kg

SURROGATE RECOVERY STUDY					
PCBs by EPA 8082	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	120	333	36	45-122	J

Lab Batch #: 64898

Sample: 17329-001 S / MS

Batch: 1 Matrix: Solid

Units: ug/kg

SURROGATE RECOVERY STUDY					
PCBs by EPA 8082	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	126	333	38	45-122	J

Lab Batch #: 64898

Sample: 17329-001 SD / MSD

Batch: 1 Matrix: Solid

Units: ug/kg

SURROGATE RECOVERY STUDY					
PCBs by EPA 8082	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	104	333	31	45-122	J

Lab Batch #: 64898

Sample: 24524-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: ug/kg

SURROGATE RECOVERY STUDY					
PCBs by EPA 8082	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	24.64	33.30	74	45-122	

Lab Batch #: 64898

Sample: 24524-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: ug/kg

SURROGATE RECOVERY STUDY					
PCBs by EPA 8082	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
Decachlorobiphenyl	26.04	33.30	78	45-122	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Pecan Row

Report Date: 07-JUL-08

Work Order #: 17329

Project ID:

Lab Batch #: 64903

Sample: 17329-001 / SMP

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
VOHs by EPA 8260	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
Dibromofluoromethane	0.0494	0.0500	99	80-120	
1,2-Dichloroethane-D4	0.0468	0.0500	94	62-139	

Lab Batch #: 64903

Sample: 17329-001 S / MS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
VOHs by EPA 8260	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
Dibromofluoromethane	0.0501	0.0500	100	80-120	
1,2-Dichloroethane-D4	0.0471	0.0500	94	62-139	

Lab Batch #: 64903

Sample: 17329-001 SD / MSD

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
VOHs by EPA 8260	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
Dibromofluoromethane	0.0498	0.0500	100	80-120	
1,2-Dichloroethane-D4	0.0473	0.0500	95	62-139	

Lab Batch #: 64903

Sample: 24543-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
VOHs by EPA 8260	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
Dibromofluoromethane	0.0515	0.0500	103	80-120	
1,2-Dichloroethane-D4	0.0493	0.0500	99	62-139	

Lab Batch #: 64903

Sample: 24543-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
VOHs by EPA 8260	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
Dibromofluoromethane	0.0504	0.0500	101	80-120	
1,2-Dichloroethane-D4	0.0491	0.0500	98	62-139	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: Pecan Row

Report Date:

07-JUL-08

Work Order #: 17329

Project ID:

Lab Batch #: 64898

Sample: 24524-1-BKS

Matrix: Solid

Date Analyzed: 07/03/2008

Date Prepared: 07/02/2008

Analyst: GARGAR

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

PCBs by EPA 8082 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Aroclor-1016	<0.0016	0.1670	0.1484	89	35-101	
Aroclor-1260	<0.0017	0.1670	0.1482	89	33-111	

Blank Spike Recovery [D] = 100*[C]/[B]

All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: Pecan Row

Report Date:

07-JUL-08

Project ID:

Work Order #: 17329

Lab Batch #: 64903

Sample: 24543-1-BKS

Matrix: Solid

Date Analyzed: 06/26/2008

Date Prepared: 06/26/2008

Analyst: CARCOL

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

VOHs by EPA 8260 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Bromochloromethane	<0.001	0.040	0.038	95	73-125	
Bromodichloromethane	<0.001	0.040	0.035	88	75-125	
Bromoform	<0.001	0.040	0.034	85	75-125	
Bromomethane	<0.002	0.040	0.029	73	72-125	
Carbon Tetrachloride	<0.004	0.040	0.037	93	62-125	
Chlorobenzene	<0.001	0.040	0.037	93	60-133	
Chloromethane	<0.002	0.040	0.032	80	65-125	
2-Chloroethyl Vinyl Ether	<0.001	0.040	0.031	78	75-125	
Chloroform	<0.004	0.040	0.037	93	74-125	
Chloromethane	<0.002	0.040	0.027	68	75-125	J
2-Chlorotoluene	<0.002	0.040	0.036	90	73-125	
4-Chlorotoluene	<0.001	0.040	0.036	90	74-125	
1,2-Dibromo-3-Chloropropane	<0.004	0.040	0.033	83	59-125	
Dibromochloromethane	<0.001	0.040	0.035	88	73-125	
1,2-Dibromoethane	<0.002	0.040	0.036	90	73-125	
Methylene bromide	<0.002	0.040	0.036	90	69-127	
1,2-Dichlorobenzene	<0.001	0.040	0.037	93	75-125	
1,3-Dichlorobenzene	<0.001	0.040	0.038	95	75-125	
p-Dichlorobenzene	<0.001	0.040	0.037	93	75-125	
Dichlorodifluoromethane	<0.003	0.040	0.031	78	75-125	
1,2-Dichloroethane	<0.002	0.040	0.036	90	68-127	
1,1-Dichloroethane	<0.002	0.040	0.036	90	72-125	
trans-1,2-dichloroethylene	<0.002	0.040	0.037	93	75-125	
cis-1,2-Dichloroethylene	<0.002	0.040	0.037	93	75-125	
1,1-Dichloroethylene	<0.002	0.040	0.038	95	59-172	
2,2-Dichloropropane	<0.002	0.040	0.038	95	75-125	
1,3-Dichloropropane	<0.002	0.040	0.035	88	75-125	
1,2-Dichloropropane	<0.002	0.040	0.035	88	74-125	
trans-1,3-dichloropropene	<0.001	0.040	0.035	88	66-125	
1,1-Dichloropropene	<0.001	0.040	0.037	93	75-125	
cis-1,3-Dichloropropene	<0.001	0.040	0.035	88	74-125	
Hexachlorobutadiene	<0.002	0.040	0.042	105	75-125	
Methylene Chloride	<0.007	0.040	0.049	123	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]

All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: Pecan Row

Report Date:

07-JUL-08

Work Order #: 17329

Project ID:

Lab Batch #: 64903

Sample: 24543-1-BKS

Matrix: Solid

Date Analyzed: 06/26/2008

Date Prepared: 06/26/2008

Analyst: CARCOL

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

VOHs by EPA 8260 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,1,1,2-Tetrachloroethane	<0.001	0.040	0.037	93	72-125	
1,1,2,2-Tetrachloroethane	<0.002	0.040	0.035	88	74-125	
Tetrachloroethylene	<0.002	0.040	0.040	100	71-125	
1,2,4-Trichlorobenzene	<0.001	0.040	0.040	100	75-135	
1,2,3-Trichlorobenzene	<0.001	0.040	0.040	100	75-137	
1,1,2-Trichloroethane	<0.002	0.040	0.036	90	75-127	
1,1,1-Trichloroethane	<0.002	0.040	0.038	95	75-125	
Trichloroethylene	<0.001	0.040	0.036	90	62-137	
Trichlorofluoromethane	<0.001	0.040	0.034	85	67-125	
1,2,3-Trichloropropane	<0.002	0.040	0.034	85	75-125	
Vinyl Chloride	<0.001	0.040	0.031	78	46-134	

Blank Spike Recovery [D] = $100 \times [C]/[B]$

All results are based on MDL and validated for QC purposes.



Form 3 - MS Recoveries



Project Name: Pecan Row

Work Order #: 17329

Report Date: 07-JUL-08

Lab Batch #: 64875

Project ID:

Date Analyzed: 07/01/2008

Date Prepared: 07/01/2008

Analyst: SARMCK

QC- Sample ID: 17329-001 S

Batch #: 1

Matrix: Solid

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Total Organic Halides by EPA 9253	MATRIX / MATRIX SPIKE RECOVERY STUDY					
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
Total Organic Halides	27.5	264	327	113	75-125	

Matrix Spike Percent Recovery [D] = $100 \cdot (C-A)/B$
Relative Percent Difference [E] = $200 \cdot (C-A)/(C+B)$
All Results are based on MDL and Validated for QC Purposes



Form 3 - MS / MSD Recoveries



Project Name: Pecan Row

Report Date: 07-JUL-08

Work Order #: 17329

Project ID:

Lab Batch ID: 64898

QC-Sample ID: 17329-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 07/03/2008

Date Prepared: 07/02/2008

Analyst: GARGAR

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

PCBs by EPA 8082	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Aroclor-1016	<0.0205	2.204	1.071	49	2.204	0.7695	35	33	35-101	25	JF
Aroclor-1260	<0.0222	2.204	1.053	48	2.204	0.8263	37	26	33-111	25	JF

Lab Batch ID: 64864

QC-Sample ID: 17345-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 06/30/2008

Date Prepared: 06/30/2008

Analyst: JAMCRA

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Total Metals by EPA 6010B	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Arsenic	1.55	26.9	27.2	95	26.9	26.2	92	3	75-125	25	
Cadmium	0.333	26.9	27.0	99	26.9	25.6	94	5	75-125	25	
Chromium	6.55	26.9	33.9	102	26.9	32.0	95	7	75-125	25	
Lead	46.6	26.9	61.4	55	26.9	56.5	37	39	75-125	25	JF

Matrix Spike Percent Recovery [D] = $100 \times (C-A)/B$
Relative Percent Difference RPD = $200 \times (D-G)/(D+G)$

Matrix Spike Duplicate Percent Recovery [G] = $100 \times (F-A)/E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit



Form 3 - MS / MSD Recoveries



Project Name: Pecan Row

Report Date: 07-JUL-08

Work Order #: 17329

Project ID:

Lab Batch ID: 64903

QC- Sample ID: 17329-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 06/27/2008

Date Prepared: 06/27/2008

Analyst: CARCOL

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

VOHs by EPA 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Bromochloromethane	<0.132	5.28	5.36	102	5.28	5.36	102	0	73-125	25	
Bromodichloromethane	<0.164	5.28	4.75	90	5.28	4.75	90	0	75-125	25	
Bromoform	<0.145	5.28	4.35	82	5.28	4.40	83	1	75-125	25	
Bromomethane	<0.276	5.28	2.57	49	5.28	2.77	52	6	72-125	25	J
Carbon Tetrachloride	<0.533	5.28	4.55	86	5.28	4.66	88	2	62-125	25	
Chlorobenzene	<0.186	5.28	5.32	101	5.28	5.32	101	0	60-133	21	
Chloroethane	<0.329	5.28	1.68	32	5.28	1.71	32	0	65-125	25	J
2-Chloroethyl Vinyl Ether	<0.132	5.28	4.92	93	5.28	5.07	96	3	75-125	25	
Chloroform	<0.528	5.28	5.08	96	5.28	5.16	98	2	74-125	25	
Chloromethane	<0.201	5.28	3.50	66	5.28	3.55	67	2	75-125	25	J
2-Chlorotoluene	<0.211	5.28	4.92	93	5.28	5.03	95	2	73-125	25	
4-Chlorotoluene	<0.180	5.28	5.01	95	5.28	5.08	96	1	74-125	25	
1,2-Dibromo-3-Chloropropane	<0.528	5.28	4.67	88	5.28	4.82	91	3	59-125	28	
Dibromochloromethane	<0.189	5.28	4.60	87	5.28	4.63	88	1	73-125	25	
1,2-Dibromoethane	<0.239	5.28	5.07	96	5.28	5.11	97	1	73-125	25	
Methylene bromide	<0.255	5.28	5.00	95	5.28	4.99	95	0	69-127	23	
1,2-Dichlorobenzene	<0.190	5.28	5.32	101	5.28	5.35	101	0	75-125	25	
1,3-Dichlorobenzene	<0.176	5.28	5.28	100	5.28	5.35	101	1	75-125	25	
p-Dichlorobenzene	<0.180	5.28	5.29	100	5.28	5.33	101	1	75-125	25	
Dichlorodifluoromethane	<0.339	5.28	3.89	74	5.28	3.97	75	1	75-125	23	J
1,2-Dichloroethane	<0.222	5.28	4.75	90	5.28	4.73	90	0	68-127	25	
1,1-Dichloroethane	<0.206	5.28	4.88	92	5.28	4.92	93	1	72-125	25	
trans-1,2-dichloroethylene	<0.209	5.28	5.10	97	5.28	5.20	98	1	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit



Form 3 - MS / MSD Recoveries



Project Name: Pecan Row

Report Date: 07-JUL-08

Work Order #: 17329

Project ID:

Lab Batch ID: 64903

QC- Sample ID: 17329-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 06/27/2008

Date Prepared: 06/27/2008

Analyst: CARCOL

Reporting Units: mg/kg

VOHs by EPA 8260 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
cis-1,2-Dichloroethylene	<0.223	5.28	5.16	98	5.28	5.13	97	1	75-125	25	
1,1-Dichloroethylene	<0.210	5.28	5.08	96	5.28	5.23	99	3	59-172	22	
2,2-Dichloropropane	<0.232	5.28	4.18	79	5.28	4.22	80	1	75-125	25	
1,3-Dichloropropane	<0.234	5.28	5.04	95	5.28	5.00	95	0	75-125	25	
1,2-Dichloropropane	<0.198	5.28	4.91	93	5.28	4.87	92	1	74-125	25	
trans-1,3-dichloropropene	<0.193	5.28	4.68	89	5.28	4.62	88	1	66-125	25	
1,1-Dichloropropene	<0.193	5.28	5.01	95	5.28	5.10	97	2	75-125	25	
cis-1,3-Dichloropropene	<0.187	5.28	4.72	89	5.28	4.71	89	0	74-125	25	
Hexachlorobutadiene	<0.269	5.28	6.81	129	5.28	7.08	134	4	75-125	25	J
Methylene Chloride	<0.859	5.28	7.02	133	5.28	7.08	134	1	75-125	35	J
1,1,1,2-Tetrachloroethane	<0.180	5.28	4.98	94	5.28	5.02	95	1	72-125	25	
1,1,2,2-Tetrachloroethane	<0.244	5.28	4.86	92	5.28	5.01	95	3	74-125	31	
Tetrachloroethylene	<0.203	5.28	5.45	103	5.28	5.59	106	3	71-125	25	
1,2,4-Trichlorobenzene	<0.168	5.28	5.35	101	5.28	5.47	104	3	75-135	25	
1,2,3-Trichlorobenzene	<0.191	5.28	5.49	104	5.28	5.70	108	4	75-137	25	
1,1,2-Trichloroethane	<0.271	5.28	5.01	95	5.28	5.07	96	1	75-127	25	
1,1,1-Trichloroethane	<0.198	5.28	4.93	93	5.28	5.07	96	3	75-125	25	
Trichloroethylene	<0.173	5.28	4.95	94	5.28	5.02	95	1	62-137	24	
Trichlorofluoromethane	<0.180	5.28	4.24	80	5.28	4.33	82	2	67-125	25	
1,2,3-Trichloropropane	<0.243	5.28	4.76	90	5.28	4.84	92	2	75-125	25	
Vinyl Chloride	<0.172	5.28	4.51	85	5.28	4.68	89	5	46-134	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantization Limit

Sample Duplicate Recovery

Project Name: Pecan Row

Work Order #: 17329

Report Date: 07-JUL-08

Lab Batch #: 64875

Date Analyzed: 07/01/2008

Date Prepared: 07/01/2008

Project ID:

QC- Sample ID: 17329-001 D

Analyst: SARMCK

Reporting Units: mg/kg

Batch #: 1

Matrix: Solid

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Total Organic Halides by EPA 9253		Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD
Analyte					Flag
Total Organic Halides		27.5	27.7	1	30

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$
All Results are based on MDL and validated for QC purposes.