

DADE CITY (352) 511-4274  
LAND O' LAKES (813) 996-7341  
NEW PORT RICHEY (727) 847-8145

UTILITIES SERVICES BRANCH  
PUB. WKS./UTILITIES BLDG. S-213  
7530 LITTLE ROAD  
NEW PORT RICHEY, FL 34654

07 Nov 2012

Mr. John Morris  
Environmental Specialist III  
Waste Management Section  
Florida Department of  
Environmental Protection  
13051 N. Telecom Pkwy.  
Temple Terrace, FL 33637

RE: Pasco County Resource Recovery  
WACs FAC ID: 45799  
Semester II, 2012

Dear Mr. Morris

This submittal is for the Semester II, 2012 groundwater and leachate monitoring at the Pasco County Resource Recovery site which includes the West Pasco Class I and Class III landfills. Included in this submittal are the following:

1. Summary of exceedences.
2. Ground water contour maps
3. Chain of Custody Forms
4. Water levels, water elevation table.
5. Field sampling reports
6. Laboratory and Field EDDs
7. Laboratory error logs
8. Ground Water Monitoring Report Certification

A hard copy of these results and supporting documentation have been submitted under separate cover.

If you have any questions please feel free to contact me.

Sincerely,

Candia E. Mulhern  
Laboratory Manager

Enc.: 1

cc: Aamode Sonawane, CDM, Westshore Center Suite 875, 1715 North Westshore BLvd., Tampa, FL 33607  
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director  
John Power, Solid Waste Facility Manager

**PASCO COUNTY RESOURCE RECOVERY LF  
EXCEEDED ANALYTES - SEMESTER I 2012  
Jul-Dec 2012**

<b>WELL #</b>	<b>SAMPLE DATE</b>	<b>ANALYTE</b>	<b>RESULT</b>	<b>UNITS</b>	<b>RESAMPLE</b>	<b>RESULT</b>	<b>UNITS</b>
2MW-2	21-Aug-12	pH	5.61	std units	No	---	---
2MW-17S	21-Aug-12	pH	6.44	std units	No	---	---
2MW-18D	16-Aug-12	Iron	494	ug/L	No	---	---
4MW-21	5-Sep-12	Iron	808	ug/L	No	---	---
		pH	5.96	std units			
2MW-27S	29-Aug-12	Iron	4600	ug/L	No	---	---
		Arsenic	11	ug/L	No	---	---



1715 North Westshore Boulevard, Suite 875  
Tampa, Florida 33607  
tel: +1 813 281-2900  
fax: +1 813 288-8787  
cdmsmith.com

October 18, 2012

Ms. Candia Mulhern  
Utility Services Branch  
Environmental Laboratory  
8864 Government Drive  
New Port Richey, Florida 34654

Subject: Groundwater Contour Maps, Year 2012, Quarter III  
West Pasco Class I & West Pasco Class III Landfills  
Pasco County, Florida  
Class I Landfill Site Certification No: PA87-23  
Class I Landfill WACS No: SWD/51/45799  
Class III Landfill Permit No: 26254-001-SO/T3  
Class III Landfill WACS No: SWD/51/45920

Dear Ms. Mulhern:

Six signed and sealed copies of the groundwater elevation contour maps for the West Pasco Class I & West Pasco Class III Landfills (Resource Recovery Facility) are attached. These maps were prepared based upon water level data received from you for the Year 2012, Quarter III monitoring event. The table of water level data you provided is attached. An e-mail with an electronic file containing this letter, the contour maps, and the tabulated data you provided has also been sent to you.

If you have any questions or concerns, please do not hesitate to call me at (813)-281-2900.

Sincerely,

David R. Rojas, P.G.  
Environmental Scientist  
CDM Smith, Inc.

Attachments:

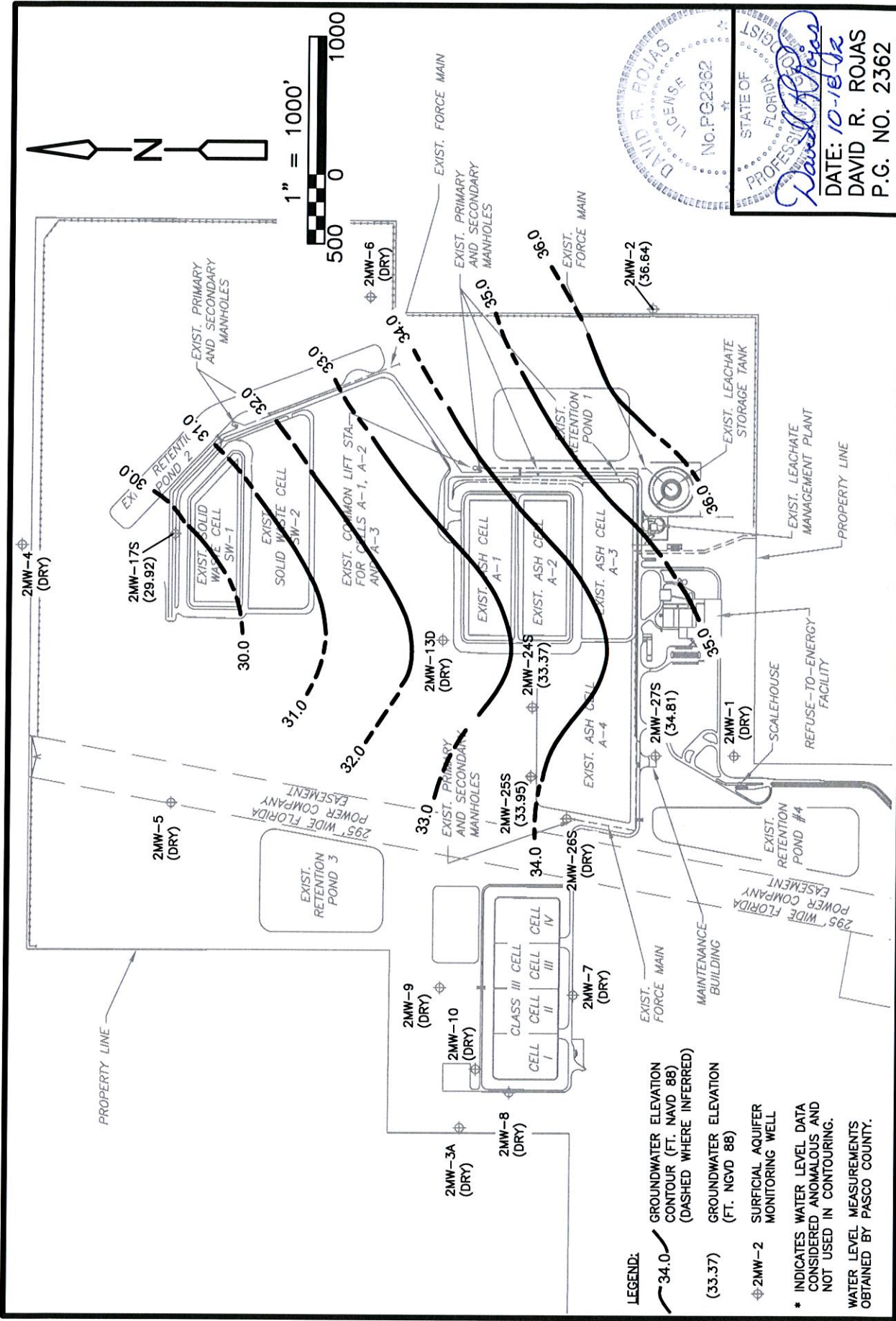
Resource Recovery Facility Floridan Aquifer Groundwater Contour Map (6 copies)  
Resource Recovery Facility Surficial Aquifer Groundwater Contour Map (6 copies)  
Tabulated Water Level Data for Resource Recovery Facility (1 copy)

cc: John Power, Pasco County Resource Recovery Facility w/1 set of attachments  
Aamod S. Sonawane, CDM Smith w/1 set of attachments



USER: nunesd  
DATE: Oct 17, 2012 10:34am

PW:\\dcpwpp1\\PW\_XM1\\Documents\\6104\\75568\\03 Reports and Studies\\09 CADD Figures and Graphics\\3rd QTR 2012\\FIG B.dwg  
© 2012 CDM SMITH ALL RIGHTS RESERVED.  
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.



**CDM  
Smith**

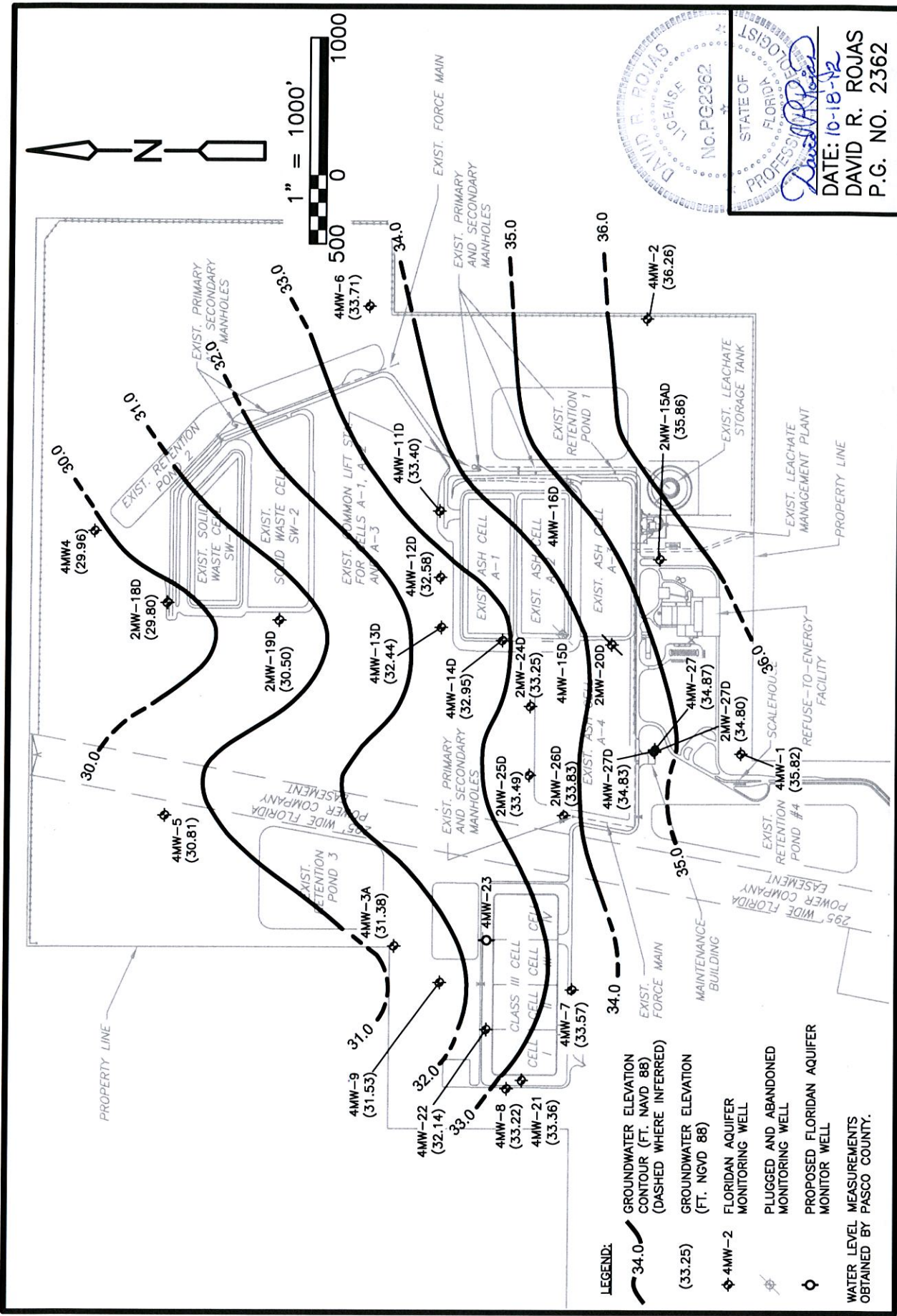
Surficial Aquifer Groundwater Contour Map - August 14, 2012  
Third Quarter, 2012  
West Pasco Resource Recovery Facility

DAVID R. ROJAS  
LICENSE  
No. PG2362  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
DATE: 10-18-12  
DAVID R. ROJAS  
P.G. NO. 2362



USER: nunesal  
DATE: Oct 18, 2012 11:13am

pw:\docwop1\PW\_XM1\Documents\610475568\03 Reports and Studies\09 CADD Figures and Graphics\3rd QTR 2012\FIG C.dwg  
© 2012 CDM SMITH ALL RIGHTS RESERVED.  
REUSE OF DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.



**CDM  
Smith**

Floridan Aquifer Groundwater Contour Map - August 14, 2012  
Third Quarter, 2012  
West Pasco Resource Recovery Facility



# RESOURCE RECOVERY

## WATER LEVEL 2012 QUARTER-III

WELL I.D.	DATE DAY- MONTH	SAMPLE TIME 24hr.	T.O.P. ELEVATION	STATIC H2O LEVEL	N.G.V.D.	WELL I.D.	DATE DAY- MONTH	SAMPLE TIME 24hr.	T.O.P. ELEVATION	STATIC H2O LEVEL	N.G.V.D.
2MW1	Aug 14	0900	49.95	DRY	DRY	2MW-13D	Aug 14	1130	52.39	DRY	DRY
4MW1	Aug 14	0905	50.34	14.52	35.82	4MW-13D	Aug 14	1120	54.04	21.60	32.44
2MW2	Aug 14	0930	56.41	19.77	36.64	4MW-14D	Aug 14	1140	52.00	19.05	32.95
4MW2	Aug 14	0935	56.11	19.85	36.26	2MW-15D	Aug 14	0920	54.71	18.85	35.86
2MW3A	Aug 14	1450	50.01	DRY	DRY	2MW-17S	Aug 14	1035	53.42	23.50	29.92
4MW3A	Aug 14	1440	52.92	21.54	31.38	2MW-18D	Aug 14	1040	52.75	22.95	29.80
2MW4	Aug 14	1015	54.77	DRY	DRY	2MW-19D	Aug 14	1050	52.25	21.75	30.50
4MW4	Aug 14	1025	50.81	20.85	29.96	4MW 21	Aug 14	1330	51.46	18.10	33.36
2MW5	Aug 14	1420	49.17	DRY	DRY	4MW 22	Aug 14	1255	53.44	21.30	32.14
4MW5	Aug 14	1425	49.06	18.25	30.81	2MW-24S	Aug 14	1150	50.37	17.00	33.37
2MW6	Aug 14	0950	56.11	DRY	DRY	2MW-24D	Aug 14	1200	50.55	17.30	33.25
4MW6	Aug 14	0955	55.95	22.24	33.71	2MW-25S	Aug 14	1210	47.84	13.89	33.95
2MW7	Aug 14	1340	52.75	DRY	DRY	2MW-25D	Aug 14	1215	47.87	14.38	33.49
4MW7	Aug 14	1345	52.62	19.05	33.57	2MW-26S	Aug 14	1220	54.16	DRY	DRY
2MW8	Aug 14	1315	51.97	DRY	DRY	2MW-26D	Aug 14	1225	54.13	20.30	33.83
4MW8	Aug 14	1320	51.87	18.65	33.22	2MW-27S	Aug 14	1350	50.44	15.63	34.81
2MW9	Aug 14	1240	52.29	DRY	DRY	2MW-27D	Aug 14	1355	50.32	15.52	34.80
4MW9	Aug 14	1245	52.78	21.25	31.53	4MW-27	Aug 14	1400	49.60	14.73	34.87
2MW10	Aug 14	1305	52.63	DRY	DRY	4MW-27D	Aug 14	1405	49.28	14.45	34.83
4MW-11D	Aug 14	1105	65.00	31.60	33.40						
4MW-12D	Aug 14	1110	55.03	22.45	32.58						

NOTES:



SAL Project No. 1210120

1210120

Chain of Custody.xls  
Rev.Date 11/19/01

# SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. 1210181

Client Name		Pasco Co Utilities		Contact / Phone:		Candia Mulhern 727-847-8902							
Project Name / Location				Appendix I Analyses									
45799 / Resource Recovery													
Matrix Codes:				PARAMETER / CONTAINER DESCRIPTION									
DW-Drinking Water WW-Wastewater SW-Surface Water SL-Sludge SO-Soil GW-Groundwater SA-Saline Water O-Other R-Reagent Water													
SAL Use Only	Sample Description	Date	Time	Matrix	Composite	Grab	250 mL P, HNO3 * Ag, As, Ba, Be, Cd, Cr, Co, Cu, Ni, Pb, Sb, Se, Ti, V, Zn	40 mL Vials, HCl 8260 App. I Volatiles	40 mL Vials, Cool 8011 Organics ** (DBCP, EDB only)				No. of Containers (Total per each location)
01	4MW-21	9/5/12	1232	GW	X	X	1	3	3				7
02	Trip Blank	8/6/12	1430	R	X			1					21
03	4MW-22	9/5/12	1337	GW	X	X	1	3	3				7
04	Trip Blank			R	X			1					1
05	2MW-26D	9/5/12	1457	GW	X	X	1	3	3				7
06	Trip Blank			R	X			1					1
Containers Prepared / Relinquished: <u>9/7/12</u> Received: <u>9/5/12</u> Date/Time: <u>0900</u> Seal Intact? <u>Y</u> N <u>NA</u> Instructions / Remarks: <u>Sent to S.A.L.</u>													
Relinquished: <u>9/7/12</u> Date/Time: <u>1530</u> Received: <u>9/5/12</u> Date/Time: <u>1530</u> Samples intact upon arrival? <u>Y</u> N <u>NA</u> Received on ice? Temp. <u>0.2</u> <u>Y</u> N <u>NA</u> Proper preservatives indicated? <u>Y</u> N <u>NA</u> Rec'd within holding time? <u>Y</u> N <u>NA</u> Volatiles rec'd w/out headspace? <u>Y</u> N <u>NA</u> Proper containers used? <u>Y</u> N <u>NA</u>													
Relinquished: <u>9/6/12</u> Date/Time: <u>1235</u> Received: <u>9/5/12</u> Date/Time: <u>1235</u>													
Relinquished: <u>9/6/12</u> Date/Time: <u>1330</u> Received: <u>9/5/12</u> Date/Time: <u>1330</u>													
Relinquished: <u>9/6/12</u> Date/Time: <u>0500</u> Received: <u>9/5/12</u> Date/Time: <u>0900</u>													





10 BAYVIEW BOUL. EVARD, O. OSMAH, FL 34677 813-855-1844 fax 813-855-2218

1209/42

Contact / Phone:  
Candia Mulhern 727-847-8902

Contact / Phone:  
Candia Mulhern 727- 847-8902

## Appendix II Analyses

## Appendix II Analyses

2000

[illegible]

PARAMETER / CONTAINER DESCRIPTION				

Matrix Codes:  
 DW-Drinking Water WW-Wastewater  
 SW-Surface Water SL-Sludge SO-Soil  
 GW-Groundwater SA-Saline Water O-Other  
 R-Reagent Water

[illegible]

## Chain of Custody





# SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. 1209790

Client Name

Pasco Co Utilities

Contact / Phone:  
Candia Mulhern 727-847-8902

Project Name / Location

45799 Resource Recovery

Appendix I Analyses

Samples: (Signature)

*W. J. Paul*

## PARAMETER / CONTAINER DESCRIPTION

Matrix Codes:  
DW-Drinking Water WW-Wastewater  
SW-Surface Water SL-Sludge SO-Soil  
GW-Groundwater SA-Saline Water O-Other  
R-Reagent Water

SAL Use Only	Sample Description	Date	Time	Matrix	Composite	Grab	250 mL P, HNO3 * Ag, As, Ba, Be, Cd, Cr, Co, Cu, Ni, Pb, Sb, Se, Ti, V, Zn	40 mL Vials, HCl 8260 App.I Volatiles	40 mL Vials, Cool 8011 Organics ** ( DBCP, EDB only)	No. of Containers (Total per each location)
01	4444-13D	8/28/12	0945	GW	X	X	1	3	3	7
02	Trip Blank	8/6/12	1430	R	X	X	1	1	1	21
03	4444-8	8/28/12	1104	GW	X	X	1	3	3	7
04	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
05	4444-7	8/28/12	1416	GW	X	X	1	3	3	7
06	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
07	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
08	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
09	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
10	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
11	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
12	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
13	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
14	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
15	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
16	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
17	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
18	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
19	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
20	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
21	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
22	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
23	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
24	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
25	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
26	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
27	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
28	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
29	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
30	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
31	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
32	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
33	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
34	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
35	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
36	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
37	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
38	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
39	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
40	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
41	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
42	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
43	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
44	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
45	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
46	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
47	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
48	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
49	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
50	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
51	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
52	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
53	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
54	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
55	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
56	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
57	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
58	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
59	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
60	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
61	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
62	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
63	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
64	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
65	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
66	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
67	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
68	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
69	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
70	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
71	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
72	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
73	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
74	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
75	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
76	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
77	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
78	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
79	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
80	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
81	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
82	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
83	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
84	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
85	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
86	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
87	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
88	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
89	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
90	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
91	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
92	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
93	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
94	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
95	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
96	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
97	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
98	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
99	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7
100	TRIP BLANK	8/28/12	1416	GW	X	X	1	3	3	7



SAL Project No. 1209463

1209463

**Contact / Phone:**  
Candia Mulhern 727-847-8902

45799 / Resource Recovery Appendix | Analyses

Child Name

DW-Drinking Water WW-Wastewater  
SW-Surface Water SL-Sludge SO-Soil  
GW-Groundwater SA-Saline Water O-Other  
R-Reagent Water

[illegible]

110 BAYVIEW BOULEVARD, OLD SMAR, FL 34677 813-855-1844 fax 813-855-2216

1209465

Pasco Co Utilities

**Contact / Phone:**  
Candia Mulhern 727-847-8902

45799 / Reserve Recovery Appendix I Analyses

Calipielis. (original)

[illegible]

Matrix Codes:  
 DW-Drinking Water WW-Wastewater  
 SW-Surface Water SL-Sludge SO-Soil  
 GW-Groundwater SA-Saline Water O-Other  
 R-Reagent Water

[illegible]Chain of Custody.xls  
Rev.Date 11/19/01

## Chain of Custody



# SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. 1204312

Client Name

Pasco Co Utilities

Contact / Phone:  
Candice Mulhern 727-847-8902

Project Name / Location 45799

Appendix I Analyses

Resource Recovery  
Samplers: (Signature) Wipfel mae

Matrix Codes:  
DW-Drinking Water WW-Wastewater  
SW-Surface Water SL-Sludge SO-Soil  
GW-Groundwater SA-Saline Water O-Other  
R-Reagent Water

## PARAMETER / CONTAINER DESCRIPTION

Matrix Codes: DW-Drinking Water WW-Wastewater SW-Surface Water SL-Sludge SO-Soil GW-Groundwater SA-Saline Water O-Other R-Reagent Water																
SAL Use Only	Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	250 mL P, HNO3 * Ag, As, Ba, Be, Cd, Cr, Co, Cu, Ni, Pb, Sb, Se, Ti, V, Zn	40 mL Vials, HCl 8260 App.I Volatiles	40 mL Vials, Cool 8011Organics ** ( DBCP, EDB only)						No. of Containers (Total per each location)
	01	4 MW-4	08/16/12	1042	GW	X	X	1	3	3						7
	02	Trip Blank	8/16/12	1430	R	X			1							21
	03	2 MW-18 D	8/16/12	1151	GW	X	X	1	3	3						7
	04	Trip Blank			R	X			1							1
	05	2 MW-19 D	8/16/12	1300	GW	X	X	1	3	3						7
	06	Trip Blank			R	X			1							1
	07	Trip Blank	8/16/12	1527	GW	X	X	1	3	3						7
	08	4 MW-5	8/16/12		R	X			1							1
	09	Trip Blank														
	</															

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. 120931

Pasco Co Utilities

**Contact / Phone:**  
Candia Mulhern 727-847-8902

45799 / Resource Recovery Appendix I Analyses

**Samplers: (Signature)**

[illegible]

Matrix Codes:  
 DW-Drinking Water WW-Wastewater  
 SW-Surface Water SL-Sludge SO-Soil  
 GW-Groundwater SA-Saline Water O-Other  
 R-Reagent Water

[illegible]



## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME: RESOURCE RECOVERY		SITE LOCATION: HAYS ROAD	
WELL NO.		SAMPLE ID: 2MW1	DATE: August 15, 2012
PURGING DATA			
WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	STATIC DEPTH TO WATER (feet)
2			BP
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY			
TWD: 17	STATIC WATER: 0	GALLONS/FOOT: 0	1 WELL VOLUME= 0
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME			
PUMP VOL (GAL):	TUBING CAP.(GAL)	TUBING LENGTH-ft:	FLOW CELLVOL.
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:
			0.00
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)
0	0.00	0.00	0.00
		0.00	0.00
845		0.00	0.00
***WATER LEVEL IS BELOW TOP OF PUMP.			
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88			
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016			
SAMPLING DATA			
SAMPLED BY (PRINT): Wilfred Martfeld	Wilfred Martfeld		STARTED: ENDED: 845
PUMP OR TUBING IN WELL (feet):	SAMPLE PUMP FLOW RATE (ML/MIN.):	TUBING MATERIAL CODE: T	
FIELD DECONTAMINATION: NO	FIELD FILTERED: NO	FILTER SIZE (UM):	DUPLICATE NO
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION	
SAMPLE ID CODE: # CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED
2MW1 0	PE	250	NONE
2MW1 0	PE	250	H2SO4
2MW1 0	PE	200	HNO3
2MW1 0	PE	500	HNO3
2MW1 0	CG	40	HCL
2MW1 0	CG	40	NONE
2MW1			
REMARKS WELL IS DRY.			
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER			
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump			
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump,SM=Straw Method(Tube Gravity Drain),VT=Vacuum Trap; O=Other(Specify)			
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.			
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)			
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)			

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		WEST PASCO CLASS III LF		SITE LOCATION:		HAYS ROAD					
WELL NO.:				SAMPLE ID:		2MW10		DATE:		August 21, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
										BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		15.00		STATIC WATER:		0		GALLONS/ FOOT:		0	
								1 WELL VOLUME=		0	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
								FLOW CELLVOL.			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				PURGING INITIATED AT:		PURGING ENDED AT:	
										TOTAL VOLUME PURGED (GALLONS):	
										0.00	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0	0.00	0.00									
		0.00	0.00								
1045		0.00	0.00								
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		WILFRED MARTFELD		Wilfred Martfeld		STARTED:				ENDED: 1045	
PUMP OR TUBING IN WELL (feet):				SAMPLE PUMP FLOW RATE (ML/MIN.):				TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		NO		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE DATE SERIES		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH					
2MW10	0	PE	250	NONE	NONE	N/A	CL,TDS,COLOR				BP
2MW10	0	PE	250	H2SO4	1	<2	NH3,NO3				BP
2MW10	0	PE	250	HNO3	1	<2	FE,HG,NA				BP
2MW10	0	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)		N/A		BP
2MW10	0	CG	40	NONE	NONE	N/A	APP.I (8011)		N/A		BP
2MW10	0	CG	40	HCL	NONE	<2	APP.I (8260)		N/A		BP
2MW10	0	CG	40	NONE	NONE	N/A	TRIP BLANK				O
REMARKS WELL IS DRY.											
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) Optionally, +/- 0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											



## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME: RESOURCE RECOVERY		SITE LOCATION: HAYS ROAD	
WELL NO.		SAMPLE ID: 2MW13D	DATE: August 28, 2012
PURGING DATA			
WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	STATIC DEPTH TO WATER (feet)
2			0
PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY			
TWD: 18	STATIC WATER: 0	GALLONS/FOOT: 0	1 WELL VOLUME= 0
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME			
PUMP VOL (GAL):	TUBING CAP.(GAL)	TUBING LENGTH-ft:	FLOW CELLVOL.
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:
TOTAL VOLUME PURGED (GALLONS): 0.00			
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)
0	0.00	0.00	0.00
		0.00	0.00
846		0.00	0.00
***WATER LEVEL IS BELOW TOP OF PUMP.			
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88			
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016			
SAMPLING DATA			
SAMPLED BY (PRINT): Wilfred Martfeld	Wilfred Martfeld		STARTED: ENDED: 846
PUMP OR TUBING IN WELL (feet):	SAMPLE PUMP FLOW RATE (ML/MIN.):	TUBING MATERIAL CODE: T	
FIELD DECONTAMINATION: NO	FIELD FILTERED: NO	FILTER SIZE (UM):	DUPLICATE NO
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION	
SAMPLE ID CODE: # CONTAINERS MATERIAL CODE VOLUME (ML) PRESERVATIVE USED ml ADDED FINAL PH	INTENDED ANALYSIS and/or METHOD		EQUIP. CODE:
2MW13D 0 PE 250 NONE NONE N/A	CL,TDS,SO4,TURB.		BP
2MW13D 0 PE 250 H2SO4 1 <2	NH3,NO3		BP
2MW13D 0 PE 200 HNO3 1 <2	FE,HG,NA		BP
2MW13D 0 PE 500 HNO3 NONE <2	APP.I ICP METALS		BP
2MW13D 0 CG 40 HCL NONE <2	APP.I 8260		BP
2MW13D 0 CG 40 NONE NONE N/A	APP.I 8011		BP
2MW13D			
REMARKS WELL IS DRY.			
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER			
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump			
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump,SM=Straw Method(Tube Gravity Drain),VT=Vacuum Trap; O=Other(Specify)			
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.			
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)			
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)			

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		RESOURCE RECOVERY		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		2MW15DA		DATE:		September 4, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
2								18.85		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		44		STATIC WATER:		18.85		GALLONS/FOOT:		0.16	
								1 WELL VOLUME=		4.024	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				FLOW CELLVOL.		1 EQ. VOL. PURGE:	
						0920		0940		10.05	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)7.4 3	COLOR (describe)	ODOR (describe)
0940	4.02	4.02	0.21	18.90	7.65	27.51	295	1.24	27.6	CLOUDY	NONE
0950	2.01	6.03	0.21	18.90	7.71	27.54	291	1.16	20.4	CLOUDY	NONE
1000	2.01	8.04	0.21	18.90	7.74	27.56	289	1.12	17.5	CLOUDY	NONE
1010	2.01	10.05	0.21	18.90	7.76	27.55	288	1.09	13.2	CLOUDY	NONE
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		Wilfred Martfeld		<i>Wilfred Martfeld</i>				STARTED:		ENDED: 1010	
PUMP OR TUBING IN WELL (feet):				SAMPLE PUMP FLOW RATE (ML/MIN.):		800		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		YES		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE DATE SERIES		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH					
2MW15DA	1	PE	250	NONE	NONE	N/A	CL,TDS		8/14/12 02		BP
2MW15DA	1	PE	250	H2SO4	1	<2	NH3,NO3		8/15/12 04		BP
2MW15DA	1	PE	250	HNO3	1	<2	FE,HG,NA		8/15/12 06		BP
2MW15DA	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS				BP
2MW15DA	3	CG	40	HCL	NONE	<2	APP.I 8260				BP
2MW15DA	3	CG	40	NONE	NONE	N/A	APP.I 8011				BP
2MW15DA	1	CG	40	HCL	NONE	<2	TRIP BLANK				O
REMARKS		NGVD=35.86									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											



## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		RESOURCE RECOVERY		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		2MW17S		DATE:		August 21, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
2								23.50		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		38		STATIC WATER:		23.50		GALLONS/ FOOT:		0.16	
								1 WELL VOLUME=		2.32	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
								FLOW CELLVOL.		1 EQ. VOL. PURGE:	
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				PURGING INITIATED AT:		PURGING ENDED AT:	
								0930		1005	
										4.64	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1005	2.32	2.32	0.07	23.80	6.38	26.97	201	1.18	4.6	CLEAR	NONE
1022	1.16	3.48	0.07	23.80	6.41	26.98	199	1.21	2.9	CLEAR	NONE
1039	1.16	4.64	0.07	23.80	6.44	27.01	196	1.23	0.0	CLEAR	NONE
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		Wilfred Martfeld				<i>Wilfred Martfeld</i>		STARTED:		ENDED: 1039	
PUMP OR TUBING IN WELL (feet):		34.7-37.7		SAMPLE PUMP FLOW RATE (ML/MIN.):		250		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		YES		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE DATE SERIES		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH					
2MW17S	1	PE	250	NONE	NONE	N/A	CL,TDS		8/14/12 02		BP
2MW17S	1	PE	250	H2SO4	1	<2	NH3,NO3		8/15/12 04		BP
2MW17S	1	PE	250	HNO3	1	<2	FE,HG,NA		8/15/12 06		BP
2MW17S	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS				BP
2MW17S	3	CG	40	HCL	NONE	<2	APP.I 8260				BP
2MW17S	3	CG	40	NONE	NONE	N/A	APP.I 8011				BP
2MW17S	1	CG	40	HCL	NONE	<2	TRIP BLANK				O
REMARKS		NGVD=29.92									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW18D	DATE:	August 16, 2012

## PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				22.98	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	40	STATIC WATER:	22.98	GALLONS/FOOT:	0.16	1 WELL VOLUME=	2.7232
------	----	---------------	-------	---------------	------	----------------	--------

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	
-----------------	--	------------------	--	-------------------	--	---------------	--	-------------------	--

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
--	------------------------------	-----------------------	-------------------	--------------------------------

		1100	1117	8.16
--	--	------	------	------

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1117	2.72	2.72	0.16	23.10	7.59	25.94	432	1.20	12.7	CLEAR	NONE
1134	2.72	5.44	0.16	23.10	7.60	26.00	435	1.18	10.6	CLEAR	NONE
1151	2.72	8.16	0.16	23.10	7.62	26.03	438	1.13	8.4	CLEAR	NONE

\*\*\*WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016

## SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	<i>Wilfred Martfeld</i>	STARTED:		ENDED:	1151
---------------------	------------------	-------------------------	----------	--	--------	------

PUMP OR TUBING IN WELL (feet):	38.9-41.9	SAMPLE PUMP FLOW RATE (ML/MIN.):	600	TUBING MATERIAL CODE:	T
--------------------------------	-----------	----------------------------------	-----	-----------------------	---

FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO
------------------------	----	-----------------	----	-------------------	--	-----------	----

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH	and/or METHOD	DATE	SERIES	

2MW18D	1	PE	250	NONE	NONE	N/A	CL,TDS	8/1/12	02	BP
2MW18D	1	PE	250	H2SO4	1	<2	NH3,NO3	7/5/12	01	BP
2MW18D	1	PE	250	HNO3	1	<2	FE,HG,NA	7/12/12	05	BP
2MW18D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW18D	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW18D	3	CG	40	NONE	NONE	N/A	APP.I 8011			BP
2MW18D	1	CG	40	HCL	NONE	<2	TRIP BLANK			O

REMARKS	NGVD=29.77
---------	------------

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER

SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump

EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

+/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater) Turbidity: all readings <20 NTU; optionally +/- 5NTU or +/- 10% (whichever is greater)

pH:



## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		RESOURCE RECOVERY		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		2MW19D		DATE:		August 16, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
2								21.74		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		55		STATIC WATER:		21.74		GALLONS/ FOOT:		0.16	
								1 WELL VOLUME=		5.3216	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				FLOW CELLVOL.		1 EQ. VOL. PURGE:	
						1200		1240		7.98	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTU)	COLOR (describe)	ODOR (describe)
1240	5.32	5.32	0.13	21.90	7.41	26.72	431	1.15	4.0	CLEAR	NONE
1250	1.33	6.65	0.13	21.90	7.43	26.76	434	1.10	2.9	CLEAR	NONE
1300	1.33	7.98	0.13	21.90	7.45	26.81	438	1.06	1.7	CLEAR	NONE
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		Wilfred Martfeld		<i>Wilfred Martfeld</i>				STARTED:		ENDED:	
PUMP OR TUBING IN WELL (feet):		43.0-46.0		SAMPLE PUMP FLOW RATE (ML/MIN.):		500		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		NO		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE	
										NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
SAMPLE ID CODE: # CONTAINERS		MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES		
2MW19D		1	PE	250	NONE	NONE	N/A	CL,TDS	8/1/11	02	BP
2MW19D		1	PE	250	H2SO4	1	<2	NH3,NO3	8/1/11	02	BP
2MW19D		1	PE	250	HNO3	1	<2	FE,HG,NA	8/5/11	01	BP
2MW19D		1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW19D		3	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW19D		3	CG	40	NONE	NONE	N/A	APP.I 8011			BP
2MW19D		1	CG	40	HCL	NONE	<2	TRIP BLANK			O
REMARKS		NGVD=30.51									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		RESOURCE RECOVERY		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		2MW2		DATE:		August 21, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
2								19.80		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		36		STATIC WATER:		19.80		GALLONS/ FOOT:		0.16	
								1 WELL VOLUME=		2.592	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
								FLOW CELLVOL.		1 EQ. VOL. PURGE:	
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):		TUBING DEPTH IN WELL (FEET):		PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (GALLONS):			
				1300		1339		5.18			
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1339	2.59	2.59	0.07	20.20	5.51	25.86	71	3.26	15.2	CLOUDY	NONE
1348	0.65	3.24	0.07	20.20	5.54	25.87	72	3.24	11.3	CLOUDY	NONE
1357	0.65	3.89	0.07	20.20	5.58	25.89	73	3.20	10.5	CLOUDY	NONE
1406	0.65	4.53	0.07	20.20	5.60	25.91	74	3.19	6.6	CLEAR	NONE
1415	0.65	5.18	0.07	20.20	5.61	25.92	74	3.13	4.7	CLEAR	NONE
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		Wilfred Martfeld		Signature: <i>Wilfred Martfeld</i>				ENDED:		1415	
PUMP OR TUBING IN WELL (feet):		34.9-37.9		SAMPLE PUMP FLOW RATE (ML/MIN.):		250		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		NO		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE	
										NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES		
2MW2	1	PE	250	NONE	NONE	N/A	CL,TDS	8/14/12	02	BP	
2MW2	1	PE	250	H2SO4	1	<2	NH3,NO3	8/14/12	02	BP	
2MW2	1	PE	250	HNO3	2	<2	FE,HG,NA	8/15/12	06	BP	
2MW2	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS				BP
2MW2	3	CG	40	HCL	NONE	<2	APP.I 8260				BP
2MW2	3	CG	40	NONE	NONE	N/A	APP.I 8011				BP
2MW2	1	CG	40	HCL	NONE	<2	TRIP BLANK				O
REMARKS		NGVD=36.61									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater) Turbidity: all readings <20 NTU; optionally +/- 5NTU or +/- 10% (whichever is greater)											

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME: RESOURCE RECOVERY		SITE LOCATION: HAYS ROAD	
WELL NO.		SAMPLE ID: 2MW20D	DATE: March 17, 2010
PURGING DATA			
WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	STATIC DEPTH TO WATER (feet)
2			23.74
PURGE PUMP TYPE OR BAILER: B			
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY			
TWD: 52	STATIC WATER: 23.74	GALLONS/FOOT: 0.16	1 WELL VOLUME= 4.5216
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME			
PUMP VOL (GAL):	TUBING CAP.(GAL)	TUBING LENGTH-ft:	FLOW CELLVOL.
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:
			0.00
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)
	4.52	4.52	0.32
	1.23	5.75	0.32
1120	1.23	6.98	0.32
***WATER LEVEL IS BELOW TOP OF PUMP.			
WELL CAPACITY ( Gallons Per Foot): 0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88			
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016			
SAMPLING DATA			
SAMPLED BY (PRINT): Wilfred Martfeld	STARTED:		ENDED: 0
PUMP OR TUBING IN WELL (feet): 34.7-37.7	SAMPLE PUMP FLOW RATE (ML/MIN.): 1200	TUBING MATERIAL CODE: T	
FIELD DECONTAMINATION: NO	FIELD FILTERED: NO	FILTER SIZE (UM):	DUPLICATE NO
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION	
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)
2MW20D	1	PE	250
2MW20D	1	PE	250
2MW20D	1	PE	250
2MW20D	1	PE	250
2MW20D	4	CG	40
2MW20D	2	CG	40
2MW20D			
REMARKS	NGVD=29.70		
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER			
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump			
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)			
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.			
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)			
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)			



## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		RESOURCE RECOVERY		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		2MW24D		DATE:		September 4, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
2								17.31		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		44.00		STATIC WATER:		17.31		GALLONS/ FOOT:		0.16	
								1 WELL VOLUME=		4.2704	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				FLOW CELLVOL		1 EQ. VOL. PURGE:	
						1120		1134		6.41	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1134	4.27	4.27	0.32	17.40	7.70	28.90	489	0.79	5.7	CLEAR	NONE
1137	1.07	5.34	0.32	17.40	7.71	28.91	491	0.65	4.9	CLEAR	NONE
1140	1.07	6.41	0.32	17.40	7.75	28.93	493	0.56	4.3	CLEAR	NONE
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		Wilfred Martfeld		SAMPLED BY (SIGNATURE):		Wilfred Martfeld		D:		ENDED: 1140	
PUMP OR TUBING IN WELL (feet):		43.0-46.0		SAMPLE PUMP FLOW RATE (ML/MIN.):		1200		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		YES		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE DATE SERIES		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH					
2MW24D	1	PE	250	NONE	NONE	N/A	CL,TDS		8/15/12 04		BP
2MW24D	1	PE	250	H2SO4	1	<2	NH3,NO3		8/14/12 02		BP
2MW24D	1	PE	250	HNO3	1	<2	FE,HG,NA		8/15/12 06		BP
2MW24D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS				BP
2MW24D	3	CG	40	HCL	NONE	<2	APP.I 8260				BP
2MW24D	3	CG	40	NONE	NONE	N/A	APP.I 8011				O
2MW24D	1	CG	40	HCL	NONE	<2	TRIP BLANK				
REMARKS		NGVD=29.99									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		RESOURCE RECOVERY		SITE LOCATION:		HAYS ROAD					
WELL NO.:				SAMPLE ID:		2MW24S		DATE:		September 4, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
2								17.01		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		26.00		STATIC WATER:		17.01		GALLONS/ FOOT:		0.16	
								1 WELL VOLUME=		1.4384	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				FLOW CELLVOL.		1 EQ. VOL. PURGE:	
						1020		1115		1.44	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1115	1.44	1.44	0.03								
	0.00	1.44	0.03								
1115	0.00	1.44	0.03								
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		Wilfred Martfeld		<i>Wilfred Martfeld</i>		STARTED:				ENDED: 1115	
PUMP OR TUBING IN WELL (feet):		43.0-46.0		SAMPLE PUMP FLOW RATE (ML/MIN.):		100		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		YES		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES		
2MW24S	0	PE	250	NONE	NONE	N/A	CL,TDS	8/19/11	06	BP	
2MW24S	0	PE	250	H2SO4	1	<2	NH3,NO3	8/19/11	06	BP	
2MW24S	0	PE	250	HNO3	1	<2	FE,HG,NA	8/19/11	05	BP	
2MW24S	0	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP	
2MW24S	0	CG	40	HCL	NONE	<2	APP.I 8260			BP	
2MW24S	0	CG	40	NONE	NONE	N/A	APP.I 8011			BP	
REMARKS		INSUFFICIENT FLOW FOR SAMPLING. WELL RAN DRY.									
NGVD=11.89											
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater) Turbidity: all readings <20 NTU; optionally +/- 5NTU or +/- 10% (whichever is greater)											

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		RESOURCE RECOVERY		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		2MW25D		DATE:		September 4, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
2								14.40		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		32		STATIC WATER:		14.40		GALLONS/ FOOT:		0.16	
								1 WELL VOLUME=		2.816	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				FLOW CELLVOL.		1 EQ. VOL. PURGE:	
						1300		1343		8.46	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1343	2.82	2.82	0.07	15.00	7.14	28.95	598	1.64	115.0	CLOUDY	NONE
1403	1.41	4.23	0.07	15.00	7.28	28.91	605	1.10	26.1	CLOUDY	NONE
1423	1.41	5.64	0.07	15.00	7.38	29.04	608	0.96	14.2	CLEAR	NONE
1443	1.41	7.05	0.07	15.00	7.40	29.06	610	0.88	8.6	CLEAR	NONE
1503	1.41	8.46	0.07	15.00	7.44	29.10	615	0.74	4.3	CLEAR	NONE
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		Wilfred Martfeld		Wilfred Martfeld				STARTED:		ENDED:	
PUMP OR TUBING IN WELL (feet):		43.0-46.0		SAMPLE PUMP FLOW RATE (ML/MIN.):		250		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		YES		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE	
										NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH			DATE	SERIES	
2MW25D	1	PE	250	NONE	NONE	N/A	CL,TDS		8/14/12	02	BP
2MW25D	1	PE	250	H2SO4	1	<2	NH3,NO3		8/14/12	02	BP
2MW25D	1	PE	250	HNO3	1	<2	FE,HG,NA		8/15/12	06	BP
2MW25D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS				BP
2MW25D	3	CG	40	HCL	NONE	<2	APP.I 8260				BP
2MW25D	3	CG	40	NONE	NONE	N/A	APP.I 8011				BP
2MW25D	1	CG	40	HCL	NONE	<2	TRIP BLANK				O
REMARKS		NGVD=20.93									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											



## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		RESOURCE RECOVERY		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		2MW25S		DATE:		September 4, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
2								13.92		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		14.5		STATIC WATER:		13.92		GALLONS/ FOOT:		0.16	
								1 WELL VOLUME=		0.0928	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
								FLOW CELLVOL.			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				PURGING INITIATED AT:		PURGING ENDED AT:	
										TOTAL VOLUME PURGED (GALLONS):	
										0.09	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
	0.09	0.09	0.29								
	0.00	0.09	0.29								
1220	0.00	0.09	0.29								
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		Wilfred Martfeld		Wilfred Martfeld		STARTED:				ENDED: 1220	
PUMP OR TUBING IN WELL (feet):		43.0-46.0		SAMPLE PUMP FLOW RATE (ML/MIN.):		1100		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		NO		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH			DATE	SERIES	
2MW25S	0	PE	250	NONE	NONE	N/A	CL,TDS				BP
2MW25S	0	PE	250	H2SO4	1	<2	NH3,NO3				BP
2MW25S	0	PE	250	HNO3	1	<2	FE,HG,NA				BP
2MW25S	0	PE	250	HNO3	NONE	<2	APP.I ICP METALS				BP
2MW25S	0	CG	40	HCL	NONE	<2	APP.I 8260				BP
2MW25S	0	CG	40	NONE	NONE	N/A	APP.I 8011				BP
REMARKS		NGVD=3.48 IFS									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING: APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain)VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
+/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		RESOURCE RECOVERY		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		2MW26D		DATE:		September 5, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
2								20.32		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		55		STATIC WATER:		20.32		GALLONS/FOOT:		0.16	
								1 WELL VOLUME=		5.5488	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				FLOW CELLVOL.		1 EQ. VOL. PURGE:	
						1410		1433		16.32	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1433	5.55	5.55	0.24	20.50	7.58	26.99	530	1.10	0.0	CLEAR	NONE
1445	2.78	8.32	0.24	20.50	7.56	27.01	531	1.06	0.0	CLEAR	NONE
1457	8.00	16.32	0.24	20.50	7.66	27.05	534	0.86	0.0	CLEAR	NONE
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		Wilfred Martfeld		SAMPLED BY (SIGNATURE):		Wilfred Martfeld		STARTED:		ENDED: 1457	
PUMP OR TUBING IN WELL (feet):		43.0-46.0		SAMPLE PUMP FLOW RATE (ML/MIN.):		900		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		NO		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH			DATE	SERIES	
2MW26D	1	PE	250	NONE	NONE	N/A	CL,TDS		8/14/12	02	BP
2MW26D	1	PE	250	H2SO4	1	<2	NH3,NO3		8/14/12	02	BP
2MW26D	1	PE	250	HNO3	1	<2	FE,HG,NA		8/12/11	02	BP
2MW26D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS				BP
2MW26D	3	CG	40	HCL	NONE	<2	APP.I 8260				BP
2MW26D	3	CG	40	NONE	NONE	N/A	APP.I 8011				BP
2MW26D	1	CG	40	HCL	NONE	<2	TRIP BLANK				O
REMARKS		NGVD=34.68									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		RESOURCE RECOVERY		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		2MW26S		DATE:		August 24, 2011	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
2								DRY		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		55		STATIC WATER:		55		GALLONS/ FOOT:		0.16	
								1 WELL VOLUME=		0	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
								FLOW CELLVOL.			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				PURGING INITIATED AT:		PURGING ENDED AT:	
										TOTAL VOLUME PURGED (GALLONS):	
										0.00	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
	0.00	0.00	0.29								
	0.00	0.00	0.29								
1225	0.00	0.00	0.29								
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		Wilfred Martfeld		<i>Wilfred Martfeld</i>		STARTED:				ENDED: 1225	
PUMP OR TUBING IN WELL (feet):		43.0-46.0		SAMPLE PUMP FLOW RATE (ML/MIN.):		1100		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		NO		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE DATE SERIES		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH					
2MW26S	0	PE	250	NONE	NONE	N/A	CL,TDS				BP
2MW26S	0	PE	250	H2SO4	1	<2	NH3,NO3				BP
2MW26S	0	PE	250	HNO3	1	<2	FE,HG,NA				BP
2MW26S	0	PE	250	HNO3	NONE	<2	APP.I ICP METALS				BP
2MW26S	0	CG	40	HCL	NONE	<2	APP.I 8260				
2MW26S	0	CG	40	NONE	NONE	N/A	APP.I 8011				
REMARKS		NGVD=DRY DRY									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING: APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											



## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		RESOURCE RECOVERY		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		2MW27D		DATE:		August 29, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
2								15.54		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		42		STATIC WATER:		15.54		GALLONS/FOOT:		0.16	
								1 WELL VOLUME=		4.2336	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				FLOW CELLVOL.		1 EQ. VOL. PURGE:	
						1400		1427		6.35	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1427	4.23	4.23	0.16	15.60	7.80	26.54	688	0.59	0.0	CLEAR	NONE
1434	1.06	5.29	0.16	15.60	7.81	25.55	690	0.46	0.0	CLEAR	NONE
1441	1.06	6.35	0.16	15.60	7.83	26.56	691	0.33	0.0	CLEAR	NONE
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		Wilfred Martfeld		<i>Wilfred Martfeld</i>				STARTED:		ENDED:	
PUMP OR TUBING IN WELL (feet):		43.0-46.0		SAMPLE PUMP FLOW RATE (ML/MIN.):		600		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		YES		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH			DATE	SERIES	
2MW27D	1	PE	250	NONE	NONE	N/A	CL,TDS		8/14/12	02	BP
2MW27D	1	PE	250	H2SO4	1	<2	NH3,NO3		8/15/12	04	BP
2MW27D	1	PE	250	HNO3	1	<2	FE,HG,NA		8/14/12	04	BP
2MW27D	3	CG	40	HCL	NONE	<2	8260				BP
2MW27D	3	CG	40	NONE	NONE	N/A	8011				BP
2MW27D	1	PE	500	HNO3	NONE	<2	APP I METALS				BP
2MW27D	1	CG	40	HCL	NONE	<2	TRIP BLANK				O
REMARKS		NGVD=34.78									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally +/- 5NTU or +/- 10% (whichever is greater)											

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		RESOURCE RECOVERY		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		2MW27S		DATE:		August 29, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
2								15.56		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		18.00		STATIC WATER:		15.56		GALLONS/ FOOT:		0.16	
								1 WELL VOLUME=		0.3904	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				FLOW CELLVOL.		1 EQ. VOL. PURGE:	
						1514		1529		0.39	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1529	0.39	0.39	0.03	15.80							
	0.00	0.39	0.03	15.80							
1529	0.00	0.39	0.03	15.80	7.09	26.75	669	0.55	0.0	CLEAR	NONE
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		Wilfred Martfeld		Wilfred Martfeld				STARTED:		ENDED: 1529	
PUMP OR TUBING IN WELL (feet):		43.0-46.0		SAMPLE PUMP FLOW RATE (ML/MIN.):		100		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		NO		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE DATE SERIES		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH					
2MW27S	1	PE	250	NONE	NONE	N/A	CL,TDS,TURB.		8/14/12	02	BP
2MW27S	1	PE	250	H2SO4	1	<2	NH3,NO3		8/14/12	02	BP
2MW27S	1	PE	250	HNO3	1	<2	FE,HG,NA		8/14/12	04	BP
2MW27S	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS				BP
2MW27S	3	CG	40	HCL	NONE	<2	APP.I 8260				BP
2MW27S	3	CG	40	NONE	NONE	N/A	APP.I 8011				BP
2MW27S	1	CG	40	HCL	NONE	<2	TRIP BLANK				O
REMARKS		NGVD=34.79									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		WEST PASCO CLASS III LF		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		2MW3		DATE:		August 28, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
										BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		12.00		STATIC WATER:		0		GALLONS/ FOOT:		0	
								1 WELL VOLUME=		0	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
								FLOW CELLVOL.			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				PURGING INITIATED AT:		PURGING ENDED AT:	
										TOTAL VOLUME PURGED (GALLONS):	
										0.00	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0000	0.00	0.00									
		0.00	0.00								
1443		0.00	0.00								
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		WILFRED MARTFELD		Wilfred Martfeld		STARTED:				ENDED: 1443	
PUMP OR TUBING IN WELL (feet):				SAMPLE PUMP FLOW RATE (ML/MIN.):				TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		NO		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE DATE SERIES		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH					
2MW3	0	PE	250	NONE	NONE	N/A	CL,TDS,COLOR				BP
2MW3	0	PE	250	H2SO4	1	<2	NH3,NO3				BP
2MW3	0	PE	250	HNO3	1	<2	FE,HG,NA				BP
2MW3	0	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)		N/A	N/A	BP
2MW3	0	CG	40	NONE	NONE	N/A	APP.I (8011)		N/A	N/A	BP
2MW3	0	CG	40	HCL	NONE	<2	APP.I (8260)		N/A	N/A	BP
2MW3	0	CG	40	NONE	NONE	N/A	TRIP BLANK				O
REMARKS WELL IS DRY.											
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) Optionally, +/- 0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											



## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME: RESOURCE RECOVERY		SITE LOCATION: HAYS ROAD	
WELL NO.		SAMPLE ID: 2MW4	DATE: August 16, 2012
PURGING DATA			
WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	STATIC DEPTH TO WATER (feet)
2			BP
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY			
TWD: 21	STATIC WATER: 0	GALLONS/FOOT: 0	1 WELL VOLUME= 0
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME			
PUMP VOL (GAL):	TUBING CAP.(GAL)	TUBING LENGTH-ft:	FLOW CELLVOL.
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:
			0.00
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)
0000	0.00	0.00	0.00
		0.00	0.00
0930		0.00	0.00
***WATER LEVEL IS BELOW TOP OF PUMP.			
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88			
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016			
SAMPLING DATA			
SAMPLED BY (PRINT): Wilfred Martfeld	Wilfred Martfeld		STARTED: ENDED: 930
PUMP OR TUBING IN WELL (feet):	SAMPLE PUMP FLOW RATE (ML/MIN.):	TUBING MATERIAL CODE: T	
FIELD DECONTAMINATION: NO	FIELD FILTERED: NO	FILTER SIZE (UM):	DUPLICATE NO
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION	
SAMPLE ID CODE: # CONTAINERS MATERIAL CODE VOLUME (ML)	PRESERVATIVE USED ml ADDED FINAL PH	INTENDED ANALYSIS and/or METHOD EQUIP. CODE:	
2MW4 0 PE 250	NONE NONE N/A	TDS,SO4,TURB. BP	
2MW4 0 PE 125	NONE NONE N/A	CL BP	
2MW4 0 PE 250	H2SO4 1 <2	NH3,NO3 BP	
2MW4 0 PE 200	HNO3 1 <2	FE,HG,NA BP	
2MW4 0 PE 500	HNO3 NONE <2	APP.I ICP METALS BP	
2MW4 0 CG 40	HCL NONE <2	APP.I 8260 BP	
2MW4 0 CG 40	NONE NONE N/A	APP.I 8011 BP	
REMARKS WELL IS DRY.			
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER			
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump			
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump,SM=Straw Method(Tube Gravity Drain),VT=Vacuum Trap; O=Other(Specify)			
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.			
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)			
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)			

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		RESOURCE RECOVERY		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		2MW5		DATE:		August 16, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
2								0		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		11.00		STATIC WATER:		0		GALLONS/FOOT:		0	
								1 WELL VOLUME=		0	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
								FLOW CELLVOL.			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				PURGING INITIATED AT:		PURGING ENDED AT:	
										TOTAL VOLUME PURGED (GALLONS):	
										0.00	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0000	0.00	0.00	0.00								
		0.00	0.00								
1305		0.00	0.00								
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		Wilfred Martfeld		SAMPLED BY (SIGNATURE):		Wilfred Martfeld		STARTED:		ENDED: 1305	
PUMP OR TUBING IN WELL (feet):				SAMPLE PUMP FLOW RATE (ML/MIN.):				TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		NO		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD				EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH					
2MW5	0	PE	250	NONE	NONE	N/A	TDS,SO4,TURB.				BP
2MW5	0	PE	125	NONE	NONE	N/A	CL				BP
2MW5	0	PE	250	H2SO4	1	<2	NH3,NO3				BP
2MW5	0	PE	200	HNO3	1	<2	FE,HG,NA				BP
2MW5	0	PE	500	HNO3	NONE	<2	APP.I ICP METALS				BP
2MW5	0	CG	40	HCL	NONE	<2	APP.I 8260				BP
2MW5	0	CG	40	NONE	NONE	N/A	APP.I 8011				BP
REMARKS: WELL IS DRY											
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2)											
optionally, +/-0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME: RESOURCE RECOVERY		SITE LOCATION: HAYS ROAD	
WELL NO.		SAMPLE ID: 2MW6	DATE: August 15, 2012
PURGING DATA			
WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	STATIC DEPTH TO WATER (feet)
2			BP
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY			
TWD: 25	STATIC WATER: 0	GALLONS/FOOT: 0	1 WELL VOLUME= 0
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME			
PUMP VOL (GAL):		TUBING CAP.(GAL)	TUBING LENGTH-ft:
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:
			0.00
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)
0	0.00	0.00	0.00
		0.00	0.00
1300		0.00	0.00
***WATER LEVEL IS BELOW TOP OF PUMP.			
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88			
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016			
SAMPLING DATA			
SAMPLED BY (PRINT): Wilfred Martfeld	Wilfred Martfeld		STARTED: ENDED: 1300
PUMP OR TUBING IN WELL (feet):	SAMPLE PUMP FLOW RATE (ML/MIN.):	TUBING MATERIAL CODE: T	
FIELD DECONTAMINATION: NO	FIELD FILTERED: NO	FILTER SIZE (UM):	DUPLICATE NO
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION	
SAMPLE ID CODE: # CONTAINERS MATERIAL CODE VOLUME (ML)	PRESERVATIVE USED ml ADDED FINAL PH	INTENDED ANALYSIS and/or METHOD EQUIP. CODE:	
2MW6 0 PE 250	NONE NONE N/A	CL,TDS,SO4,TURB. BP	
2MW6 0 PE 250	H2SO4 1 <2	NH3,NO3 BP	
2MW6 0 PE 200	HNO3 1 <2	FE,HG,NA BP	
2MW6 0 PE 500	HNO3 NONE <2	APP.I ICP METALS BP	
2MW6 0 CG 40	HCL NONE <2	APP.I 8260 BP	
2MW6 0 CG 40	NONE NONE N/A	APP.I 8011 BP	
2MW6			
REMARKS WELL IS DRY.			
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER			
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump			
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump,SM=Straw Method(Tube Gravity Drain),VT=Vacuum Trap; O=Other(Specify)			
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.			
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)			
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)			

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		WEST PASCO CLASS III LF		SITE LOCATION:		HAYS ROAD					
WELL NO.:				SAMPLE ID:		2MW7		DATE:		August 21, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
										BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		15.00		STATIC WATER:		0		GALLONS/ FOOT:		0	
								1 WELL VOLUME=		0	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
								FLOW CELLVOL.			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				PURGING INITIATED AT:		PURGING ENDED AT:	
										TOTAL VOLUME PURGED (GALLONS):	
										0.00	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0	0.00	0.00									
		0.00	0.00								
1230		0.00	0.00								
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		WILFRED MARTFELD		Wilfred Martfeld		STARTED:				ENDED: 1230	
PUMP OR TUBING IN WELL (feet):				SAMPLE PUMP FLOW RATE (ML/MIN.):				TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		NO		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE DATE SERIES		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH					
2MW7	0	PE	250	NONE	NONE	N/A	CL,TDS,COLOR				BP
2MW7	0	PE	250	H2SO4	1	<2	NH3,NO3				BP
2MW7	0	PE	250	HNO3	1	<2	FE,HG,NA				BP
2MW7	0	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)		N/A	N/A	BP
2MW7	0	CG	40	NONE	NONE	N/A	APP.I (8011)		N/A	N/A	BP
2MW7	0	CG	40	HCL	NONE	<2	APP.I (8260)		N/A	N/A	BP
2MW7	0	CG	40	NONE	NONE	N/A	TRIP BLANK				O
REMARKS WELL IS DRY. TWD=15.04											
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) Optionally, +/- 0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											



## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		WEST PASCO CLASS III LF		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		2MW8		DATE:		August 21, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
										BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		18.00		STATIC WATER:		0		GALLONS/ FOOT:		0	
								1 WELL VOLUME=		0	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
								FLOW CELLVOL.			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				PURGING INITIATED AT:		PURGING ENDED AT:	
										TOTAL VOLUME PURGED (GALLONS):	
										0.00	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0000	0.00	0.00									
		0.00	0.00								
1220		0.00	0.00								
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		WILFRED MARTFELD		Wilfred Martfeld				STARTED:		ENDED:	
PUMP OR TUBING IN WELL (feet):				SAMPLE PUMP FLOW RATE (ML/MIN.):				TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		NO		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE	
										NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES		
2MW8	0	PE	250	NONE	NONE	N/A	CL,TDS,COLOR			BP	
2MW8	0	PE	250	H2SO4	1	<2	NH3,NO3			BP	
2MW8	0	PE	250	HNO3	1	<2	FE,HG,NA			BP	
2MW8	0	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP	
2MW8	0	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP	
2MW8	0	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP	
2MW8	0	CG	40	NONE	NONE	N/A	TRIP BLANK			O	
REMARKS WELL IS DRY.											
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) Optionally, +/- 0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											

PURGING DATA	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

**WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY**

**EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME**

				0.00
--	--	--	--	------

\*\*\*WATER LEVEL IS BELOW TOP OF PUMP.

**TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016**

SAMPLING DATA									
---------------	--	--	--	--	--	--	--	--	--

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	

REMARKS	WELL IS DRY.
---------	--------------

SAMPLING/PURGING **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump  
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

+/- 0.2 units **Temperature:** +/- 0.2 C **Specific Conductance:** +/-5% **Dissolved Oxygen:** all readings <= 20% saturation (see Table FS 2200-2) Optionally, +/- 0.2mg/L or +/-10%(whichever is greater)**Turbidity:** all readings <20 NTU; optionally +/- 5NTU or +/- 10% (whichever is greater)

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		RESOURCE RECOVERY		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		4MW1		DATE:		August 15, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
4								14.55		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		42		STATIC WATER:		14.55		GALLONS/ FOOT:		0.65	
								1 WELL VOLUME=		17.8425	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
								FLOW CELLVOL.		1 EQ. VOL. PURGE:	
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):		TUBING DEPTH IN WELL (FEET):		PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (GALLONS):			
				0900		0957		26.76			
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0957	17.84	17.84	0.32	14.55	6.68	25.27	754	0.78	2.2	CLEAR	NONE
1011	4.46	22.30	0.32	14.55	6.76	25.38	753	0.82	1.2	CLEAR	NONE
1025	4.46	26.76	0.32	14.55	6.88	25.57	758	0.80	0.9	CLEAR	NONE
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		Wilfred Martfeld		Signature: <i>Wilfred Martfeld</i>				ENDED:		1025	
PUMP OR TUBING IN WELL (feet):				SAMPLE PUMP FLOW RATE (ML/MIN.):		1200		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		NO		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE	
										NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES		
4MW1	1	PE	250	NONE	NONE	N/A	CL,TDS	8/1/12	02	BP	
4MW1	1	PE	250	H2SO4	1	<2	NH3,NO3	8/1/12	02	BP	
4MW1	1	PE	250	HNO3	1	<2	FE,HG,NA	6/5/12	04	BP	
4MW1	1	PE	500	HNO3	NONE	<2	APP.I ICP METALS				BP
4MW1	3	CG	40	HCL	NONE	<2	APP.I 8260				BP
4MW1	3	CG	40	NONE	NONE	N/A	APP.I 8011				BP
4MW1	1	CG	40	HCL	NONE	<2	TRIP BLANK				O
REMARKS		NGVD=35.79									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater) Turbidity: all readings <20 NTU; optionally +/- 5NTU or +/- 10% (whichever is greater)											

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME: RESOURCE RECOVERY		SITE LOCATION: HAYS ROAD	
WELL NO.		SAMPLE ID: 4MW2	DATE: August 15, 2012
PURGING DATA			
WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	STATIC DEPTH TO WATER (feet)
4			19.89
PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY			
TWD: 69	STATIC WATER: 19.89	GALLONS/FOOT: 0.65	1 WELL VOLUME= 31.9215
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME			
PUMP VOL (GAL):	TUBING CAP.(GAL)	TUBING LENGTH-ft:	FLOW CELLVOL.
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:
		1051	1207
TOTAL VOLUME PURGED (GALLONS): 47.88			
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)
1207	31.92	31.92	0.42
1226	7.98	39.90	0.42
1245	7.98	47.88	0.42
***WATER LEVEL IS BELOW TOP OF PUMP.			
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88			
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016			
SAMPLING DATA			
SAMPLED BY (PRINT): Wilfred Martfeld	Wilfred Martfeld		STARTED: ENDED: 1245
PUMP OR TUBING IN WELL (feet):	SAMPLE PUMP FLOW RATE (ML/MIN.): 1600	TUBING MATERIAL CODE: T	
FIELD DECONTAMINATION: NO	FIELD FILTERED: NO	FILTER SIZE (UM):	DUPLICATE: NO
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION	
SAMPLE ID CODE: # CONTAINERS	MATERIAL CODE VOLUME (ML)	PRESERVATIVE USED ml ADDED	FINAL PH
4MW2 1	PE 250	NONE NONE	N/A
4MW2 1	PE 250	H2SO4 1	<2
4MW2 1	PE 250	HNO3 1	<2
4MW2 1	PE 250	HNO3 NONE	<2
4MW2 3	CG 40	HCL NONE	<2
4MW2 3	CG 40	NONE NONE	N/A
HAYS ROAD 1	CG 40	HCL NONE	<2
REMARKS	NGVD=36.22		
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER			
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump			
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)			
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.			
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)			
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)			



## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		WEST PASCO CLASS III LF		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		4MW3A		DATE:		August 28, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
4								21.57		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		44.00		STATIC WATER:		21.57		GALLONS/ FOOT:		0.65	
								1 WELL VOLUME=		14.5795	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				FLOW CELLVOL.		1 EQ. VOL. PURGE:	
						1410		1449		0.00	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1455				WATER LEVEL ONLY							
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		WILFRED MARTFELD		Wilfred Martfeld		STARTED:				ENDED: 1455	
PUMP OR TUBING IN WELL (feet):				SAMPLE PUMP FLOW RATE (ML/MIN.):		1200		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		NO		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES		
4MW3A	0	PE	250	NONE	NONE	N/A	CL,TDS	N/A	N/A	BP	
4MW3A	0	PE	250	H2SO4	1	<2	NH3,NO3	N/A	N/A	BP	
4MW3A	0	PE	250	HNO3	1	<2	FE,HG,NA	N/A	N/A	BP	
4MW3A	0	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP	
4MW3A	0	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP	
4MW3A	0	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP	
4MW3A											
REMARKS		NGVD=31.35 WATER LEVEL ONLY									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) Optionally, +/- 0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		RESOURCE RECOVERY		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		4MW11D		DATE:		August 20, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
4								31.60		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		52		STATIC WATER:		31.60		GALLONS/ FOOT:		0.65	
								1 WELL VOLUME=		13.26	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
								FLOW CELLVOL.		1 EQ. VOL. PURGE:	
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):		TUBING DEPTH IN WELL (FEET):		PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (GALLONS):			
				0900		0950		26.52			
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTU)	COLOR (describe)	ODOR (describe)
0950	13.26	13.26	0.26	31.60	7.60	25.44	301	1.88	16.8	CLOUDY	NONE
1003	3.32	16.58	0.26	31.60	7.65	25.47	298	1.86	13.1	CLOUDY	NONE
1016	3.32	19.89	0.26	31.60	7.71	25.51	297	1.84	8.9	CLEAR	NONE
1029	3.32	23.21	0.26	31.60	7.74	25.54	295	1.81	5.9	CLEAR	NONE
1042	3.32	26.52	0.26	31.60	7.77	25.56	296	1.78	3.4	CLEAR	NONE
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		Wilfred Martfeld		<i>Wilfred Martfeld</i>				STARTED:		ENDED: 1042	
PUMP OR TUBING IN WELL (feet):				SAMPLE PUMP FLOW RATE (ML/MIN.):		1000		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		NO		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS		BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH	and/or METHOD	DATE	SERIES		
4MW11D	1	PE	250	NONE	NONE	N/A	CL,TDS	8/15/12	04	BP	
4MW11D	1	PE	250	H2SO4	1	<2	NH3,NO3	8/15/12	04	BP	
4MW11D	1	PE	250	HNO3	2	<2	FE,HG,NA	8/15/12	06	BP	
4MW11D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP	
4MW11D	3	CG	40	HCL	NONE	<2	APP.I 8260			BP	
4MW11D	3	CG	40	NONE	NONE	N/A	APP.I 8011			BP	
4MW11D	1	CG	40	HCL	NONE	<2	TRIP BLANK			O	
REMARKS		NGVD=33.40									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		RESOURCE RECOVERY		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		4MW12D		DATE:		August 20, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
4								22.48		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		55.00		STATIC WATER:		22.48		GALLONS/ FOOT:		0.65	
								1 WELL VOLUME=		21.138	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				FLOW CELLVOL.		1 EQ. VOL. PURGE:	
						1100		1207		31.71	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1207	21.14	21.14	0.32	22.48	7.54	26.84	406	0.60	0.0	CLEAR	NONE
1224	5.29	26.42	0.32	22.48	7.51	26.88	410	0.56	0.0	CLEAR	NONE
1241	5.29	31.71	0.32	22.48	7.49	26.91	411	0.52	0.0	CLEAR	NONE
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		Wilfred Martfeld		Wilfred Martfeld				STARTED:		ENDED:	
PUMP OR TUBING IN WELL (feet):				SAMPLE PUMP FLOW RATE (ML/MIN.):		1200		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		NO		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH			DATE	SERIES	
4MW12D	1	PE	250	NONE	NONE	N/A	CL,TDS		8/15/12	04	BP
4MW12D	1	PE	250	H2SO4	1	<2	NH3,NO3		8/15/12	04	BP
4MW12D	1	PE	250	HNO3	1	<2	FE,HG,NA		8/15/12	06	BP
4MW12D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS				BP
4MW12D	3	CG	40	HCL	NONE	<2	APP.I 8260				BP
4MW12D	3	CG	40	NONE	NONE	N/A	APP.I 8011				BP
4MW12D	1	CG	40	HCL	NONE	<2	TRIP BLANK				O
REMARKS		NGVD=32.55									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH:											
+/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2)											
optionally, +/-0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		RESOURCE RECOVERY		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		4MW13D		DATE:		August 28, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
2								21.62		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		36		STATIC WATER:		21.62		GALLONS/ FOOT:		0.16	
								1 WELL VOLUME=		2.3008	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				FLOW CELLVOL.		1 EQ. VOL. PURGE:	
						0900		0915		6.90	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0915	2.30	2.30	0.16	21.62	7.68	26.39	421	0.89	3.9	CLEAR	NONE
0930	2.30	4.60	0.16	21.62	7.71	26.41	422	0.78	2.2	CLEAR	NONE
0945	2.30	6.90	0.16	21.62	7.72	26.43	422	0.63	1.7	CLEAR	NONE
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		Wilfred Martfeld		<i>Wilfred Martfeld</i>				STARTED:		ENDED: 0945	
PUMP OR TUBING IN WELL (feet):		35.1-38.1		SAMPLE PUMP FLOW RATE (ML/MIN.):		600		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		NO		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH			DATE	SERIES	
4MW13D	1	PE	250	NONE	NONE	N/A	CL,TDS		8/14/12	02	BP
4MW13D	1	PE	250	H2SO4	1	<2	NH3,NO3		8/14/12	02	BP
4MW13D	1	PE	250	HNO3	1	<2	FE,HG,NA		8/15/12	06	BP
4MW13D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS				BP
4MW13D	3	CG	40	HCL	NONE	<2	APP.I 8260				BP
4MW13D	3	CG	40	NONE	NONE	N/A	APP.I 8011				BP
4MW13D	1	CG	40	HCL	NONE	<2	TRIP BLANK				O
REMARKS		NGVD=32.42									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											



## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		RESOURCE RECOVERY		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		4MW14D		DATE:		August 20, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
4								19.08		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		50		STATIC WATER:		19.08		GALLONS/ FOOT:		0.65	
								1 WELL VOLUME=		20.098	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				FLOW CELLVOL.		1 EQ. VOL. PURGE:	
						1304		1420		30.15	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1420	20.10	20.10	0.26	19.10	7.72	26.78	391	1.12	0.0	CLEAR	NONE
1439	5.03	25.12	0.26	19.10	7.78	26.80	392	1.05	0.0	CLEAR	NONE
1458	5.03	30.15	0.26	19.10	7.81	26.81	394	0.92	0.0	CLEAR	NONE
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		Wilfred Martfeld		SAMPLED BY (SIGNATURE):		Wilfred Martfeld		STARTED:		ENDED: 1458	
PUMP OR TUBING IN WELL (feet):				SAMPLE PUMP FLOW RATE (ML/MIN.):		1000		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		NO		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE DATE SERIES		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH					
4MW14D	1	PE	250	NONE	NONE	N/A	CL,TDS		8/15/12 04		BP
4MW14D	1	PE	250	H2SO4	1	<2	NH3,NO3		8/15/12 04		BP
4MW14D	1	PE	250	HNO3	1	<2	FE,HG,NA		8/15/12 06		BP
4MW14D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS				BP
4MW14D	3	CG	40	HCL	NONE	<2	APP.I 8260				BP
4MW14D	3	CG	40	NONE	NONE	N/A	APP.I 8011				BP
4MW14D	1	CG	40	HCL	NONE	<2	TRIP BLANK				O
REMARKS		NGVD=32.92									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF			SITE LOCATION:	HAYS ROAD (28°22'22.17"/82°34'14.48")							
WELL NO.:				SAMPLE ID:	4MW21	DATE:	September 5, 2012					
PURGING DATA												
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft			STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:			
2				24.2			39.2		18.12		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY												
TWD:	39.70	STATIC WATER:	18.12	GALLONS/FOOT:	0.16	1 WELL VOLUME=		3.4528				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME												
PUMP VOL (GAL):				TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:		
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):			FINAL PUMP OR TUBING DEPTH IN WELL (FEET):		PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (GALLONS):			
					1200		1222		5.18			
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)	
1222	3.45	3.45	0.16	18.30	5.91	27.85	159	1.28	5.1	CLEAR	NONE	
1227	0.86	4.32	0.16	18.30	5.94	27.86	157	1.31	2.9	CLEAR	NONE	
1232	0.86	5.18	0.16	18.30	5.96	27.88	156	1.34	1.6	CLEAR	NONE	
***WATER LEVEL IS BELOW TOP OF PUMP.												
WELL CAPACITY ( Gallons Per Foot): 0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016												
SAMPLING DATA												
SAMPLED BY (PRINT):		WILFRED MARTFELD			Wilfred Martfeld			STARTED:		ENDED:	1232	
PUMP OR TUBING IN WELL (feet):				SAMPLE PUMP FLOW RATE (ML/MIN.):		600		TUBING MATERIAL CODE:		T		
FIELD DECONTAMINATION:		YES			NO		FILTER SIZE (UM):			DUPLICATE	NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:		
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES			
4MW21	1	PE	250	NONE	NONE	N/A	CL,TDS	8/23/12	07	BP		
4MW21	1	PE	250	H2SO4	20DROPS	<2	NH3,NO3	8/15/12	04	BP		
4MW21	2	PE	125	HNO3	10DR0DS	<2	FE,HG,NA	N/A	N/A	BP		
4MW21	1	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP		
4MW21	3	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP		
4MW21	3	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP		
4MW21	1	CG	40	HCL	NONE	<2	TRIP BLANK				O	
REMARKS	NGVD=33.34											
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER												
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump RFPF=Reverse Flow												
EQUIPMENT CODES: Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)												
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C. 2. Stabilization												
Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3) pH: +/- 0.2 units Temperature: +/- 0.2 C												
Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) Optionally, +/-0.2mg/L or +/-10%(whichever is greater) Turbidity: all readings <20 NTU; optionally +/- 5NTU or +/- 10% (whichever is greater)												

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		WEST PASCO CLASS III LF		SITE LOCATION:		HAYS ROAD (28°22'24.97"/82°34'10.05")					
WELL NO.				SAMPLE ID:		4MW22		DATE:		September 5, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:			
2				30.3		45.3		21.31		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		45.80		STATIC WATER:		21.31		GALLONS/ FOOT:		0.16	
								1 WELL VOLUME=		3.9184	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
								FLOW CELLVOL.			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				PURGING INITIATED AT:		PURGING ENDED AT:	
								1300		1325	
										5.88	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1325	3.92	3.92	0.16	21.50	7.60	27.76	408	0.69	0.0	CLEAR	NONE
1331	0.98	4.90	0.16	21.50	7.61	27.77	405	0.67	0.0	CLEAR	NONE
1337	0.98	5.88	0.16	21.50	7.62	27.79	402	0.58	0.0	CLEAR	NONE
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		WILFRED MARTFELD		Wilfred Martfeld		STARTED:				ENDED: 1337	
PUMP OR TUBING IN WELL (feet):				SAMPLE PUMP FLOW RATE (ML/MIN.):		600		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		YES		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES		
4MW22	1	PE	250	NONE	NONE	N/A	CL,TDS	8/14/12	02	BP	
4MW22	1	PE	250	H2SO4	20DROPS	<2	NH3,NO3	8/30/12	04	BP	
4MW22	1	PE	250	HNO3	20DROPS	<2	FE,HG,NA	8/14/12	04	BP	
4MW22	1	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP	
4MW22	3	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP	
4MW22	3	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP	
4MW22	1	CG	40	HCL	NONE	<2	TRIP BLANK			O	
REMARKS		NGVD= 32.13									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) Optionally, +/-0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		RESOURCE RECOVERY		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		4MW27		DATE:		August 29, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
4								14.75		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		77		STATIC WATER:		14.75		GALLONS/ FOOT:		0.65	
								1 WELL VOLUME=		40.4625	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				FLOW CELLVOL.		1 EQ. VOL. PURGE:	
						1145		1310		60.69	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1310	40.46	40.46	0.47	14.80	7.75	25.49	679	0.52	0.0	CLEAR	NONE
1332	10.12	50.58	0.47	14.80	7.77	25.51	678	0.49	0.0	CLEAR	NONE
1354	10.12	60.69	0.47	14.80	7.81	25.52	675	0.33	0.0	CLEAR	NONE
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		Wilfred Martfeld		<i>Wilfred Martfeld</i>		STARTED:				ENDED: 1354	
PUMP OR TUBING IN WELL (feet):				SAMPLE PUMP FLOW RATE (ML/MIN.):		1800		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		YES		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES		
4MW27	1	PE	250	NONE	NONE	N/A	CL,TDS.	8/14/12	02	BP	
4MW27	1	PE	250	H2SO4	1	<2	NH3,NO3	8/15/12	05	BP	
4MW27	1	PE	250	HNO3	1	<2	FE,HG,NA	8/15/12	06	BP	
4MW27	3	CG	40	HCL	NONE	<2	8260			BP	
4MW27	3	CG	40	NONE	NONE	N/A	8011			BP	
4MW27	1	PE	500	HNO3	NONE	<2	APP. I METALS			BP	
4MW27	1	CG	40	HCL	NONE	<2	TRIP BLANK			O	
REMARKS		NGVD=34.85									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING: APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											



## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		RESOURCE RECOVERY		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		4MW4		DATE:		August 16, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
4								20.9		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		42.00		STATIC WATER:		20.9		GALLONS/FOOT:		0.65	
								1 WELL VOLUME=		13.715	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				FLOW CELLVOL.		1 EQ. VOL. PURGE:	
						0930		1022		20.58	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1022	13.72	13.72	0.26	20.90	7.54	25.81	381	1.24	0.0	CLEAR	NONE
1034	3.43	17.15	0.26	20.90	7.57	25.98	382	1.22	0.0	CLEAR	NONE
1047	3.43	20.58	0.26	20.90	7.61	26.00	384	1.21	0.0	CLEAR	NONE
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		Wilfred Martfeld		Wilfred Martfeld				STARTED:		ENDED:	
PUMP OR TUBING IN WELL (feet):				SAMPLE PUMP FLOW RATE (ML/MIN.):		1000		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		NO		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE	
										NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH			DATE	SERIES	
4MW4	1	PE	250	NONE	NONE	N/A	CL,TDS.		8/1/11	02	BP
4MW4	1	PE	250	H2SO4	1	<2	NH3,NO3		8/1/11	02	BP
4MW4	1	PE	250	HNO3	1	<2	FE,HG,NA		7/11/11	04	BP
4MW4	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS				BP
4MW4	3	CG	40	HCL	NONE	<2	APP.I 8260				BP
4MW4	3	CG	40	NONE	NONE	N/A	APP.I 8011				BP
4MW4	1	CG	40	HCL	NONE	<2	TRIP BLANK				O
REMARKS		NGVD=29.91									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH:											
+/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2)											
optionally, +/-0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		RESOURCE RECOVERY		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		4MW5		DATE:		August 16, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
4								18.28		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		77.00		STATIC WATER:		18.28		GALLONS/ FOOT:		0.65	
								1 WELL VOLUME=		38.168	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				FLOW CELLVOL.		1 EQ. VOL. PURGE:	
						1310		1441		57.25	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1441	38.17	38.17	0.42	18.30	7.51	25.74	532	1.79	0.0	CLEAR	NONE
1504	9.54	47.71	0.42	18.30	7.56	27.78	530	1.77	0.0	CLEAR	NONE
1527	9.54	57.25	0.42	18.30	7.59	25.75	535	1.73	0.0	CLEAR	NONE
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		Wilfred Martfeld		SAMPLED BY (SIGNATURE):		Wilfred Martfeld		STARTED:		ENDED: 1527	
PUMP OR TUBING IN WELL (feet):				SAMPLE PUMP FLOW RATE (ML/MIN.):		1600		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		NO		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE DATE SERIES		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH					
4MW5	1	PE	250	NONE	NONE	N/A	CL,TDS		8/1/12		02 BP
4MW5	1	PE	250	H2SO4	1	<2	NH3,NO3		7/5/12		01 BP
4MW5	1	PE	250	HNO3	1	<2	FE,HG,NA		7/12/12		05 BP
4MW5	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS				BP
4MW5	3	CG	40	HCL	NONE	<2	APP.I 8260				BP
4MW5	3	CG	40	NONE	NONE	N/A	APP.I 8011				BP
4MW5	1	CG	40	HCL	NONE	<2	TRIP BLANK				O
REMARKS		NGVD=30.78 D.O. HISTORICALLY HIGH									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		RESOURCE RECOVERY		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		4MW6		DATE:		August 15, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
4								22.23		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		107.00		STATIC WATER:		22.23		GALLONS/ FOOT:		0.65	
								1 WELL VOLUME=		55.1005	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				FLOW CELLVOL.		1 EQ. VOL. PURGE:	
						1300		1415		82.65	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTU)	COLOR (describe)	ODOR (describe)
1415	55.10	55.10	0.74	22.23	8.31	26.08	130	3.74	0.0	CLEAR	NONE
1434	13.78	68.88	0.74	22.23	8.32	26.10	131	3.77	0.0	CLEAR	NONE
1453	13.78	82.65	0.74	22.23	8.35	26.16	132	3.79	0.0	CLEAR	NONE
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		Wilfred Martfeld		Wilfred Martfeld				STARTED:		ENDED:	
PUMP OR TUBING IN WELL (feet):				SAMPLE PUMP FLOW RATE (ML/MIN.):		2800		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		NO		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH			DATE	SERIES	
4MW6	1	PE	250	NONE	NONE	N/A	CL,TDS		7/23/12	01	BP
4MW6	1	PE	250	H2SO4	1	<2	NH3,NO3		7/31/12	08	BP
4MW6	1	PE	250	HNO3	1	<2	FE,HG,NA		7/23/12	06	BP
4MW6	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS				BP
4MW6	3	CG	40	HCL	NONE	<2	APP.I 8260				BP
4MW6	3	CG	40	NONE	NONE	N/A	APP.I 8011				BP
4MW6	1	CG	40	HCL	NONE	<2	TRIP BLANK				O
REMARKS		NGVD=33.70 D.O. HISTORICALLY HIGH.									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH:											
+/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2)											
optionally, +/-0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		WEST PASCO CLASS III LF		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		4MW7		DATE:		August 28, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
4								19.09		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		50.00		STATIC WATER:		19.09		GALLONS/ FOOT:		0.65	
								1 WELL VOLUME=		20.0915	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				FLOW CELLVOL.		1 EQ. VOL. PURGE:	
						1240		1344		30.14	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1344	20.09	20.09	0.32	19.10	7.64	25.64	391	1.11	0.0	CLEAR	NONE
1400	5.02	25.11	0.32	19.10	7.57	25.66	397	1.08	0.0	CLEAR	NONE
1416	5.02	30.14	0.32	19.10	7.56	25.74	403	0.90	0.0	CLEAR	NONE
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		WILFRED MARTFELD		Wilfred Martfeld		STARTED:				ENDED: 1416	
PUMP OR TUBING IN WELL (feet):				SAMPLE PUMP FLOW RATE (ML/MIN.):		1200		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		NO		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES		
4MW7	1	PE	250	NONE	NONE	N/A	CL,TDS	8/14/12	02	BP	
4MW7	1	PE	250	H2SO4	1	<2	NH3,NO3	8/14/12	02	BP	
4MW7	1	PE	250	HNO3	1	<2	FE,HG,NA	8/14/12	04	BP	
4MW7	1	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP	
4MW7	3	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP	
4MW7	3	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP	
4MW7	1	CG	40	HCL	NONE	<2	TRIP BLANK				O
REMARKS		NGVD=33.53									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) Optionally, +/- 0.2mg/L or +/- 10%(whichever is greater)Turbidity: all readings <20 NTU; optionally +/- 5NTU or +/- 10% (whichever is greater)											

## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		WEST PASCO CLASS III LF		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		4MW8		DATE:		August 28, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
4								18.68		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		41.00		STATIC WATER:		18.68		GALLONS/ FOOT:		0.65	
								1 WELL VOLUME=		14.508	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				FLOW CELLVOL.		1 EQ. VOL. PURGE:	
						1011		1046		21.76	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1046	14.51	14.51	0.42	18.68	7.57	24.36	334	0.64	0.0	CLEAR	NONE
1055	3.63	18.14	0.42	18.68	7.58	24.40	336	0.58	0.0	CLEAR	NONE
1104	3.63	21.76	0.42	18.68	7.61	24.41	338	0.50	0.0	CLEAR	NONE
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		WILFRED MARTFELD		Wilfred Martfeld				STARTED:		ENDED:	
PUMP OR TUBING IN WELL (feet):				SAMPLE PUMP FLOW RATE (ML/MIN.):		1600		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		NO		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES		
4MW8	1	PE	250	NONE	NONE	N/A	CL,TDS	8/14/12	02	BP	
4MW8	1	PE	250	H2SO4	0.5	<2	NH3,NO3	8/14/12	02	BP	
4MW8	1	PE	250	HNO3	0.5	<2	FE,HG,NA	8/14/12	04	BP	
4MW8	1	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP	
4MW8	3	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP	
4MW8	3	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP	
4MW8	1	CG	40	HCL	NONE	<2	TRIP BLANK				
REMARKS		NGVD=33.19									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) Optionally, +/- 0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)											



## GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:		WEST PASCO CLASS III LF		SITE LOCATION:		HAYS ROAD					
WELL NO.				SAMPLE ID:		4MW9		DATE:		August 21, 2012	
PURGING DATA											
WELL DIAMETER(INCHES)		TUBING DIAMETER(INCHES)		WELL SCREEN INTERVAL DEPTH: ft to ft				STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER:	
4								21.26		BP	
WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY											
TWD:		51.00		STATIC WATER:		21.26		GALLONS/ FOOT:		0.65	
								1 WELL VOLUME=		19.331	
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
PUMP VOL (GAL):				TUBING CAP.(GAL)				TUBING LENGTH-ft:			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				FLOW CELLVOL.		1 EQ. VOL. PURGE:	
						1100		1146		29.00	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (ft)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L )	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1146	19.33	19.33	0.42	21.26	7.64	25.16	370	0.84	0.0	CLEAR	NONE
1158	4.83	24.16	0.42	21.26	7.67	25.18	371	0.81	0.0	CLEAR	NONE
1210	4.83	29.00	0.42	21.26	7.69	25.21	372	0.73	0.0	CLEAR	NONE
***WATER LEVEL IS BELOW TOP OF PUMP.											
WELL CAPACITY ( Gallons Per Foot):0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016											
SAMPLING DATA											
SAMPLED BY (PRINT):		WILFRED MARTFELD		SAMPLED BY (SIGNATURE):		Wilfred Martfeld		STARTED:		ENDED: 1210	
PUMP OR TUBING IN WELL (feet):				SAMPLE PUMP FLOW RATE (ML/MIN.):		1600		TUBING MATERIAL CODE:		T	
FIELD DECONTAMINATION:		NO		FIELD FILTERED:		NO		FILTER SIZE (UM):		DUPLICATE NO	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES		
4MW9	1	PE	250	NONE	NONE	N/A	CL,TDS	8/15/12	04	BP	
4MW9	1	PE	250	H2SO4	1	<2	NH3,NO3	8/15/12	04	BP	
4MW9	1	PE	250	HNO3	1	<2	FE,HG,NA	8/15/12	06	BP	
4MW9	1	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP	
4MW9	3	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP	
4MW9	3	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP	
4MW9	1	CG	40	HCL	NONE	<2	TRIP BLANK				
REMARKS		NGVD=31.52									
MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER											
SAMPLING/PURGING APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump											
EQUIPMENT CODES: RFPP=Reverse Flow Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)											
NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.											
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)											
pH: +/- 0.2 units Temperature: +/- 0.2 C Specific Conductance: +/-5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2) Optionally, +/- 0.2mg/L or +/-10%(whichever is greater)Turbidity: all readings <20 NTU; optionally +/- 5NTU or +/- 10% (whichever is greater)											

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209313**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		4MW-1 2386						
Matrix		Groundwater						
SAL Sample Number		1209313-01						
Date/Time Collected		08/16/12 10:25						
Collected by		Client						
Date/Time Received		08/17/12 13:30						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<b><u>Volatile Organic Compounds</u></b>								
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/17/12 20:15	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		08/17/12 20:15	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 20:15	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 20:15	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:15	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:15	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/17/12 20:15	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/17/12 20:15	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:15	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:15	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 20:15	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 20:15	JRW
Chloroform	ug/L	0.9	EPA 8260	0.8	0.2		08/17/12 20:15	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 20:15	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 20:15	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:15	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 20:15	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:15	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		08/17/12 20:15	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:15	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 20:15	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:15	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/17/12 20:15	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:15	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:15	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:15	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 20:15	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		08/17/12 20:15	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		08/17/12 20:15	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:15	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:15	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		08/17/12 20:15	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		08/17/12 20:15	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:15	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:15	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 20:15	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209313**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>4MW-1 2386</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1209313-01</b>
Date/Time Collected	<b>08/16/12 10:25</b>
Collected by	<b>Client</b>
Date/Time Received	<b>08/17/12 13:30</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/17/12 20:15	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:15	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:15	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:15	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:15	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/17/12 20:15	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 20:15	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		08/17/12 20:15	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		08/17/12 20:15	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:15	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 20:15	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	08/30/12 12:43	09/01/12 20:18	BTJ
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	08/30/12 12:43	09/01/12 20:18	BTJ

### Metals

Antimony	ug/L	0.071 U	EPA 6020	0.50	0.071	08/23/12 16:00	08/23/12 17:29	AWS
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	08/22/12 09:00	08/23/12 09:16	AWS
Barium	ug/L	28	EPA 6020	0.50	0.18	08/22/12 09:00	08/23/12 09:16	AWS
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	08/23/12 08:00	08/23/12 16:36	VWC
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	08/22/12 09:00	08/23/12 09:16	AWS
Chromium	ug/L	0.67 I	EPA 6020	5.0	0.35	08/22/12 09:00	08/23/12 09:16	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	08/23/12 08:00	08/23/12 16:36	VWC
Copper	ug/L	0.58	EPA 6020	0.50	0.13	08/22/12 09:00	08/23/12 09:16	AWS
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	08/22/12 09:00	08/23/12 09:16	AWS
Nickel	ug/L	9.9	EPA 6020	5.0	0.46	08/22/12 09:00	08/23/12 09:16	AWS
Selenium	ug/L	1.8 I	EPA 6020	5.0	0.93	08/23/12 16:00	08/23/12 17:29	AWS
Silver	ug/L	1.1 U	EPA 6010	20	1.1	08/23/12 08:00	08/23/12 16:36	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	08/22/12 09:00	08/23/12 09:16	AWS
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	08/23/12 08:00	08/23/12 16:36	VWC
Zinc	ug/L	1.6 I	EPA 6020	5.0	0.88	08/22/12 09:00	08/23/12 09:16	AWS

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209313**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		4MW-2 2387						
Matrix		Groundwater						
SAL Sample Number		1209313-02						
Date/Time Collected		08/16/12 12:45						
Collected by		Wilfred Martfeld						
Date/Time Received		08/17/12 13:30						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<u><b>Volatile Organic Compounds</b></u>								
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/17/12 20:48	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		08/17/12 20:48	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 20:48	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 20:48	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:48	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:48	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/17/12 20:48	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/17/12 20:48	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:48	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:48	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 20:48	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 20:48	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:48	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 20:48	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 20:48	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:48	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 20:48	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:48	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		08/17/12 20:48	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:48	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 20:48	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:48	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/17/12 20:48	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:48	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:48	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:48	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 20:48	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		08/17/12 20:48	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		08/17/12 20:48	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:48	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:48	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		08/17/12 20:48	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		08/17/12 20:48	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:48	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:48	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 20:48	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209313**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>4MW-2 2387</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1209313-02</b>
Date/Time Collected	<b>08/16/12 12:45</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>08/17/12 13:30</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/17/12 20:48	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:48	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:48	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:48	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:48	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/17/12 20:48	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 20:48	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		08/17/12 20:48	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		08/17/12 20:48	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 20:48	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 20:48	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0052 U	EPA 8011	0.021	0.0052	08/30/12 12:43	09/01/12 20:40	BTJ
1,2-Dibromoethane	ug/L	0.0052 U	EPA 8011	0.021	0.0052	08/30/12 12:43	09/01/12 20:40	BTJ

### Metals

Antimony	ug/L	0.071 U	EPA 6020	0.50	0.071	08/23/12 16:00	08/23/12 17:37	AWS
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	08/22/12 09:00	08/23/12 09:23	AWS
Barium	ug/L	5.7	EPA 6020	0.50	0.18	08/22/12 09:00	08/23/12 09:23	AWS
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	08/23/12 08:00	08/23/12 16:54	VWC
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	08/22/12 09:00	08/23/12 09:23	AWS
Chromium	ug/L	0.85 I	EPA 6020	5.0	0.35	08/22/12 09:00	08/23/12 09:23	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	08/23/12 08:00	08/23/12 16:54	VWC
Copper	ug/L	0.16 I	EPA 6020	0.50	0.13	08/22/12 09:00	08/23/12 09:23	AWS
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	08/22/12 09:00	08/23/12 09:23	AWS
Nickel	ug/L	1.9 I	EPA 6020	5.0	0.46	08/22/12 09:00	08/23/12 09:23	AWS
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	08/23/12 16:00	08/23/12 17:37	AWS
Silver	ug/L	1.1 U	EPA 6010	20	1.1	08/23/12 08:00	08/23/12 16:54	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	08/22/12 09:00	08/23/12 09:23	AWS
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	08/23/12 08:00	08/23/12 16:54	VWC
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	08/22/12 09:00	08/23/12 09:23	AWS



**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209313**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		4MW-6 2390						
Matrix		Groundwater						
SAL Sample Number		1209313-03						
Date/Time Collected		08/16/12 14:53						
Collected by		Wilfred Martfeld						
Date/Time Received		08/17/12 13:30						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<u><b>Volatile Organic Compounds</b></u>								
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/17/12 21:21	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		08/17/12 21:21	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 21:21	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 21:21	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 21:21	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 21:21	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/17/12 21:21	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/17/12 21:21	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 21:21	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 21:21	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 21:21	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 21:21	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 21:21	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 21:21	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 21:21	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 21:21	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 21:21	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 21:21	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		08/17/12 21:21	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 21:21	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 21:21	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 21:21	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/17/12 21:21	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 21:21	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 21:21	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 21:21	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 21:21	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		08/17/12 21:21	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		08/17/12 21:21	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 21:21	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 21:21	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		08/17/12 21:21	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		08/17/12 21:21	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 21:21	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 21:21	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 21:21	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209313**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>4MW-6 2390</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1209313-03</b>
Date/Time Collected	<b>08/16/12 14:53</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>08/17/12 13:30</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/17/12 21:21	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 21:21	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 21:21	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 21:21	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 21:21	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/17/12 21:21	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 21:21	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		08/17/12 21:21	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		08/17/12 21:21	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 21:21	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 21:21	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	08/30/12 12:43	09/01/12 21:01	BTJ
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	08/30/12 12:43	09/01/12 21:01	BTJ

### Metals

Antimony	ug/L	0.071 U	EPA 6020	0.50	0.071	08/23/12 16:00	08/23/12 17:39	AWS
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	08/22/12 09:00	08/23/12 09:29	AWS
Barium	ug/L	3.8	EPA 6020	0.50	0.18	08/22/12 09:00	08/23/12 09:29	AWS
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	08/23/12 08:00	08/23/12 16:58	VWC
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	08/22/12 09:00	08/23/12 09:29	AWS
Chromium	ug/L	2.1 I	EPA 6020	5.0	0.35	08/22/12 09:00	08/23/12 09:29	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	08/23/12 08:00	08/23/12 16:58	VWC
Copper	ug/L	0.55	EPA 6020	0.50	0.13	08/22/12 09:00	08/23/12 09:29	AWS
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	08/22/12 09:00	08/23/12 09:29	AWS
Nickel	ug/L	2.3 I	EPA 6020	5.0	0.46	08/22/12 09:00	08/23/12 09:29	AWS
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	08/23/12 16:00	08/23/12 17:39	AWS
Silver	ug/L	1.1 U	EPA 6010	20	1.1	08/23/12 08:00	08/23/12 16:58	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	08/22/12 09:00	08/23/12 09:29	AWS
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	08/23/12 08:00	08/23/12 16:58	VWC
Zinc	ug/L	15	EPA 6020	5.0	0.88	08/22/12 09:00	08/23/12 09:29	AWS

Pasco County Environmental Laboratory  
8864 Government Drive  
New Port Richey, FL 34654

September 4, 2012  
Work Order: 1209313

## \* Qualifiers, Notes and Definitions

---

Results followed by a "U" indicate that the sample was analyzed but the compound was not detected. Results followed by "I" indicate that the reported value is between the laboratory method detection limits and the laboratory practical quantitation limit.

A statement of estimated uncertainty of test results is available upon request.

For methods marked with \*\*, all QC criteria have been met for this method which is equivalent to a SAL certified method.

Test results in this report meet all the requirements of the NELAC standards. Any applicable qualifiers are shown below.  
Questions regarding this report should be directed to Client Services at 813-855-1844.

A handwritten signature in black ink, appearing to read "Francis I. Daniels", is located in the bottom right corner of the page.

SAL Project No. 1209317

—

[illegible]

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 19, 2012**  
**Work Order: 1210120**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		2MW-15DA 19766						
Matrix		Groundwater						
SAL Sample Number		1210120-01						
Date/Time Collected		09/04/12 10:10						
Collected by		Wilfred Martfeld						
Date/Time Received		09/05/12 13:55						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<u><b>Volatile Organic Compounds</b></u>								
Acetone	ug/L	4.0	EPA 8260	4.0	2.0		09/05/12 21:19	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		09/05/12 21:19	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 21:19	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 21:19	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 21:19	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 21:19	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/05/12 21:19	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		09/05/12 21:19	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 21:19	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 21:19	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 21:19	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 21:19	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 21:19	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 21:19	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 21:19	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 21:19	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 21:19	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 21:19	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		09/05/12 21:19	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 21:19	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 21:19	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 21:19	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/05/12 21:19	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 21:19	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 21:19	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 21:19	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 21:19	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		09/05/12 21:19	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		09/05/12 21:19	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 21:19	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 21:19	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		09/05/12 21:19	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		09/05/12 21:19	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 21:19	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 21:19	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 21:19	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 19, 2012**  
**Work Order: 1210120**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>2MW-15DA 19766</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1210120-01</b>
Date/Time Collected	<b>09/04/12 10:10</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>09/05/12 13:55</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/05/12 21:19	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 21:19	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 21:19	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 21:19	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 21:19	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/05/12 21:19	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 21:19	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		09/05/12 21:19	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		09/05/12 21:19	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 21:19	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 21:19	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	09/12/12 16:11	09/13/12 00:21	BTJ
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	09/12/12 16:11	09/13/12 00:21	BTJ

### Metals

Antimony	ug/L	0.15 I	EPA 6020	0.50	0.071	09/13/12 12:35	09/13/12 14:08	VWC
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	09/12/12 09:31	09/13/12 00:07	AWS
Barium	ug/L	11	EPA 6020	0.50	0.18	09/12/12 09:31	09/13/12 00:07	VWC
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	09/06/12 10:39	09/12/12 12:13	VWC
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	09/12/12 09:31	09/13/12 00:07	AWS
Chromium	ug/L	0.89 I	EPA 6020	5.0	0.35	09/12/12 09:31	09/13/12 00:07	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	09/06/12 10:39	09/12/12 12:13	VWC
Copper	ug/L	0.32 I	EPA 6020	0.50	0.13	09/12/12 09:31	09/13/12 00:07	AWS
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	09/12/12 09:31	09/13/12 00:07	AWS
Nickel	ug/L	2.3 I	EPA 6020	5.0	0.46	09/12/12 09:31	09/13/12 00:07	AWS
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	09/13/12 12:35	09/13/12 14:08	VWC
Silver	ug/L	1.1 U	EPA 6010	20	1.1	09/06/12 10:39	09/13/12 15:25	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	09/12/12 09:31	09/13/12 00:07	AWS
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	09/06/12 10:39	09/12/12 12:13	VWC
Zinc	ug/L	7.3	EPA 6020	5.0	0.88	09/12/12 09:31	09/13/12 00:07	VWC



**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 19, 2012**  
**Work Order: 1210120**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		2MW-24D 23444						
Matrix		Groundwater						
SAL Sample Number		1210120-02						
Date/Time Collected		09/04/12 11:40						
Collected by		Wilfred Martfeld						
Date/Time Received		09/05/12 13:55						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<u>Volatile Organic Compounds</u>								
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		09/05/12 22:24	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		09/05/12 22:24	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 22:24	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 22:24	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:24	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:24	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/05/12 22:24	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		09/05/12 22:24	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:24	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:24	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 22:24	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 22:24	JRW
Chloroform	ug/L	0.3 I	EPA 8260	0.8	0.2		09/05/12 22:24	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 22:24	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 22:24	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:24	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 22:24	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:24	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		09/05/12 22:24	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:24	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 22:24	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:24	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/05/12 22:24	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:24	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:24	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:24	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 22:24	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		09/05/12 22:24	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		09/05/12 22:24	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:24	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:24	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		09/05/12 22:24	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		09/05/12 22:24	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:24	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:24	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 22:24	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 19, 2012**  
**Work Order: 1210120**

## Laboratory Report

**Project Name PASCO COUNTY RESOURCE RECOVERY**

Sample Description **2MW-24D 23444**  
 Matrix **Groundwater**  
 SAL Sample Number **1210120-02**  
 Date/Time Collected **09/04/12 11:40**  
 Collected by **Wilfred Martfeld**  
 Date/Time Received **09/05/12 13:55**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/05/12 22:24	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:24	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:24	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:24	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:24	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/05/12 22:24	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 22:24	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		09/05/12 22:24	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		09/05/12 22:24	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:24	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 22:24	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	09/12/12 16:11	09/13/12 01:26	BTJ
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	09/12/12 16:11	09/13/12 01:26	BTJ

### Metals

Antimony	ug/L	0.19 I	EPA 6020	0.50	0.071	09/13/12 12:35	09/13/12 14:17	VWC
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	09/12/12 09:31	09/13/12 00:26	AWS
Barium	ug/L	14	EPA 6020	0.50	0.18	09/12/12 09:31	09/13/12 00:26	VWC
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	09/06/12 10:39	09/12/12 12:23	VWC
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	09/12/12 09:31	09/13/12 00:26	AWS
Chromium	ug/L	1.0 I	EPA 6020	5.0	0.35	09/12/12 09:31	09/13/12 00:26	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	09/06/12 10:39	09/12/12 12:23	VWC
Copper	ug/L	0.26 I	EPA 6020	0.50	0.13	09/12/12 09:31	09/13/12 00:26	AWS
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	09/12/12 09:31	09/13/12 00:26	AWS
Nickel	ug/L	3.9 I	EPA 6020	5.0	0.46	09/12/12 09:31	09/13/12 00:26	AWS
Selenium	ug/L	1.6 I	EPA 6020	5.0	0.93	09/13/12 12:35	09/13/12 14:17	VWC
Silver	ug/L	1.1 U	EPA 6010	20	1.1	09/06/12 10:39	09/12/12 12:23	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	09/12/12 09:31	09/13/12 00:26	AWS
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	09/06/12 10:39	09/12/12 12:23	VWC
Zinc	ug/L	2.4 I	EPA 6020	5.0	0.88	09/12/12 09:31	09/13/12 00:26	VWC

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 19, 2012**  
**Work Order: 1210120**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		2MW-25D 23446						
Matrix		Groundwater						
SAL Sample Number		1210120-03						
Date/Time Collected		09/04/12 15:03						
Collected by		Wilfred Martfeld						
Date/Time Received		09/05/12 13:55						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<u>Volatile Organic Compounds</u>								
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		09/05/12 22:57	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		09/05/12 22:57	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 22:57	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 22:57	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:57	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:57	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/05/12 22:57	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		09/05/12 22:57	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:57	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:57	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 22:57	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 22:57	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:57	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 22:57	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 22:57	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:57	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 22:57	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:57	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		09/05/12 22:57	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:57	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 22:57	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:57	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/05/12 22:57	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:57	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:57	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:57	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 22:57	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		09/05/12 22:57	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		09/05/12 22:57	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:57	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:57	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		09/05/12 22:57	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		09/05/12 22:57	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:57	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:57	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 22:57	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 19, 2012**  
**Work Order: 1210120**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description	2MW-25D 23446							
Matrix	Groundwater							
SAL Sample Number	1210120-03							
Date/Time Collected	09/04/12 15:03							
Collected by	Wilfred Martfeld							
Date/Time Received	09/05/12 13:55							
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/05/12 22:57	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:57	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:57	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:57	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:57	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/05/12 22:57	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 22:57	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		09/05/12 22:57	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		09/05/12 22:57	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 22:57	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 22:57	JRW
<b><u>Pesticide Analyses</u></b>								
1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	09/12/12 16:11	09/13/12 01:47	BTJ
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	09/12/12 16:11	09/13/12 01:47	BTJ
<b><u>Metals</u></b>								
Antimony	ug/L	0.14 I	EPA 6020	0.50	0.071	09/13/12 12:35	09/13/12 14:20	VWC
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	09/12/12 09:31	09/13/12 00:33	AWS
Barium	ug/L	24	EPA 6020	0.50	0.18	09/12/12 09:31	09/13/12 00:33	VWC
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	09/06/12 10:39	09/12/12 12:26	VWC
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	09/12/12 09:31	09/13/12 00:33	AWS
Chromium	ug/L	0.76 I	EPA 6020	5.0	0.35	09/12/12 09:31	09/13/12 00:33	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	09/06/12 10:39	09/12/12 12:26	VWC
Copper	ug/L	0.64	EPA 6020	0.50	0.13	09/12/12 09:31	09/13/12 00:33	AWS
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	09/12/12 09:31	09/13/12 00:33	AWS
Nickel	ug/L	6.0	EPA 6020	5.0	0.46	09/12/12 09:31	09/13/12 00:33	AWS
Selenium	ug/L	1.5 I	EPA 6020	5.0	0.93	09/13/12 12:35	09/13/12 14:20	VWC
Silver	ug/L	1.1 U	EPA 6010	20	1.1	09/06/12 10:39	09/12/12 12:26	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	09/12/12 09:31	09/13/12 00:33	AWS
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	09/06/12 10:39	09/12/12 12:26	VWC
Zinc	ug/L	3.4 I	EPA 6020	5.0	0.88	09/12/12 09:31	09/13/12 00:33	VWC

Pasco County Environmental Laboratory  
8864 Government Drive  
New Port Richey, FL 34654

September 19, 2012  
Work Order: 1210120

## \* Qualifiers, Notes and Definitions

---

Results followed by a "U" indicate that the sample was analyzed but the compound was not detected. Results followed by "I" indicate that the reported value is between the laboratory method detection limits and the laboratory practical quantitation limit.

A statement of estimated uncertainty of test results is available upon request.

For methods marked with \*\*, all QC criteria have been met for this method which is equivalent to a SAL certified method.

Test results in this report meet all the requirements of the NELAC standards. Any applicable qualifiers are shown below.  
Questions regarding this report should be directed to Client Services at 813-855-1844.

A handwritten signature in black ink, appearing to read "Francis I. Daniels", is located in the bottom right corner of the page.

SAL Project No. 1210120

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

Chain of Custody.xls  
Rev.Date 11/19/01

## Chain of Custody



**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209465**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		2MW-17S 19758						
Matrix		Groundwater						
SAL Sample Number		1209465-01						
Date/Time Collected		08/21/12 10:39						
Collected by		Wilfred Martfeld						
Date/Time Received		08/22/12 14:30						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<u>Volatile Organic Compounds</u>								
Acetone	ug/L	3.8 I	EPA 8260	4.0	2.0		08/23/12 18:51	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		08/23/12 18:51	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 18:51	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 18:51	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:51	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:51	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/23/12 18:51	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/23/12 18:51	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:51	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:51	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 18:51	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/23/12 18:51	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:51	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/23/12 18:51	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 18:51	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:51	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 18:51	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:51	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		08/23/12 18:51	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:51	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 18:51	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:51	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/23/12 18:51	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:51	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:51	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:51	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 18:51	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		08/23/12 18:51	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		08/23/12 18:51	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:51	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:51	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		08/23/12 18:51	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		08/23/12 18:51	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:51	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:51	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 18:51	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209465**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>2MW-17S 19758</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1209465-01</b>
Date/Time Collected	<b>08/21/12 10:39</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>08/22/12 14:30</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/23/12 18:51	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:51	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:51	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:51	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:51	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/23/12 18:51	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		08/23/12 18:51	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		08/23/12 18:51	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		08/23/12 18:51	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:51	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 18:51	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	08/30/12 12:43	09/01/12 22:28	BTJ
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	08/30/12 12:43	09/01/12 22:28	BTJ

### Metals

Antimony	ug/L	0.19 I	EPA 6020	0.50	0.071	08/28/12 10:12	08/28/12 12:33	AWS
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	08/24/12 09:01	08/24/12 17:55	AWS
Barium	ug/L	8.1	EPA 6020	0.50	0.18	08/24/12 09:01	08/24/12 17:55	AWS
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	08/24/12 08:48	08/29/12 16:24	VWC
Cadmium	ug/L	0.37 I	EPA 6020	0.50	0.27	08/24/12 09:01	08/24/12 17:55	AWS
Chromium	ug/L	1.1 I	EPA 6020	5.0	0.35	08/24/12 09:01	08/24/12 17:55	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	08/24/12 08:48	08/29/12 16:24	VWC
Copper	ug/L	0.41 I	EPA 6020	0.50	0.13	08/24/12 09:01	08/24/12 17:55	AWS
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	08/24/12 09:01	08/24/12 17:55	AWS
Nickel	ug/L	1.5 I	EPA 6020	5.0	0.46	08/24/12 09:01	08/24/12 17:55	AWS
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	08/28/12 10:12	08/28/12 12:33	AWS
Silver	ug/L	1.1 U	EPA 6010	20	1.1	08/24/12 08:48	08/29/12 16:24	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	08/24/12 09:01	08/24/12 17:55	AWS
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	08/24/12 08:48	08/29/12 16:24	VWC
Zinc	ug/L	5.0	EPA 6020	5.0	0.88	08/24/12 09:01	08/24/12 17:55	AWS

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209465**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		4MW-9 2342						
Matrix		Groundwater						
SAL Sample Number		1209465-02						
Date/Time Collected		08/21/12 12:10						
Collected by		Wilfred Martfeld						
Date/Time Received		08/22/12 14:30						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<b><u>Volatile Organic Compounds</u></b>								
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/23/12 19:27	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		08/23/12 19:27	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 19:27	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 19:27	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 19:27	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 19:27	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/23/12 19:27	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/23/12 19:27	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 19:27	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 19:27	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 19:27	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/23/12 19:27	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 19:27	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/23/12 19:27	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 19:27	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 19:27	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 19:27	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 19:27	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		08/23/12 19:27	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 19:27	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 19:27	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 19:27	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/23/12 19:27	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 19:27	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 19:27	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 19:27	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 19:27	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		08/23/12 19:27	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		08/23/12 19:27	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 19:27	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 19:27	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		08/23/12 19:27	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		08/23/12 19:27	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 19:27	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 19:27	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 19:27	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209465**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>4MW-9 2342</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1209465-02</b>
Date/Time Collected	<b>08/21/12 12:10</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>08/22/12 14:30</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/23/12 19:27	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 19:27	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 19:27	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 19:27	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 19:27	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/23/12 19:27	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		08/23/12 19:27	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		08/23/12 19:27	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		08/23/12 19:27	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 19:27	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 19:27	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0055 U	EPA 8011	0.022	0.0055	08/30/12 12:43	09/01/12 22:50	BTJ
1,2-Dibromoethane	ug/L	0.0055 U	EPA 8011	0.022	0.0055	08/30/12 12:43	09/01/12 22:50	BTJ

### Metals

Antimony	ug/L	0.099 I	EPA 6020	0.50	0.071	08/28/12 10:12	08/28/12 12:42	AWS
Arsenic	ug/L	0.94 I	EPA 6020	5.0	0.93	08/24/12 09:01	08/24/12 18:14	AWS
Barium	ug/L	7.3	EPA 6020	0.50	0.18	08/24/12 09:01	08/24/12 18:14	AWS
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	08/24/12 08:48	08/29/12 16:27	VWC
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	08/24/12 09:01	08/24/12 18:14	AWS
Chromium	ug/L	0.80 I	EPA 6020	5.0	0.35	08/24/12 09:01	08/24/12 18:14	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	08/24/12 08:48	08/29/12 16:27	VWC
Copper	ug/L	0.13 U	EPA 6020	0.50	0.13	08/24/12 09:01	08/24/12 18:14	AWS
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	08/24/12 09:01	08/24/12 18:14	AWS
Nickel	ug/L	3.5 I	EPA 6020	5.0	0.46	08/24/12 09:01	08/24/12 18:14	AWS
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	08/28/12 10:12	08/28/12 12:42	AWS
Silver	ug/L	1.1 U	EPA 6010	20	1.1	08/24/12 08:48	08/29/12 16:27	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	08/24/12 09:01	08/24/12 18:14	AWS
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	08/24/12 08:48	08/29/12 16:27	VWC
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	08/24/12 09:01	08/24/12 18:14	AWS

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209465**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		2MW-2 2382						
Matrix		Groundwater						
SAL Sample Number		1209465-03						
Date/Time Collected		08/21/12 14:15						
Collected by		Wilfred Martfeld						
Date/Time Received		08/22/12 14:30						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<u><b>Volatile Organic Compounds</b></u>								
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/23/12 20:31	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		08/23/12 20:31	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 20:31	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 20:31	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 20:31	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 20:31	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/23/12 20:31	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/23/12 20:31	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 20:31	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 20:31	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 20:31	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/23/12 20:31	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 20:31	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/23/12 20:31	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 20:31	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 20:31	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 20:31	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 20:31	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		08/23/12 20:31	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 20:31	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 20:31	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 20:31	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/23/12 20:31	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 20:31	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 20:31	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 20:31	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 20:31	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		08/23/12 20:31	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		08/23/12 20:31	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 20:31	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 20:31	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		08/23/12 20:31	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		08/23/12 20:31	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 20:31	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 20:31	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 20:31	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209465**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>2MW-2 2382</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1209465-03</b>
Date/Time Collected	<b>08/21/12 14:15</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>08/22/12 14:30</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/23/12 20:31	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 20:31	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 20:31	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 20:31	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 20:31	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/23/12 20:31	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		08/23/12 20:31	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		08/23/12 20:31	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		08/23/12 20:31	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 20:31	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 20:31	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	08/30/12 12:43	09/01/12 23:11	BTJ
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	08/30/12 12:43	09/01/12 23:11	BTJ

### Metals

Antimony	ug/L	0.071 U	EPA 6020	0.50	0.071	08/28/12 10:12	08/28/12 12:45	AWS
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	08/24/12 09:01	08/24/12 18:21	AWS
Barium	ug/L	43	EPA 6020	0.50	0.18	08/24/12 09:01	08/24/12 18:21	AWS
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	08/24/12 08:48	08/29/12 16:31	VWC
Cadmium	ug/L	0.28 I	EPA 6020	0.50	0.27	08/24/12 09:01	08/24/12 18:21	AWS
Chromium	ug/L	0.92 I	EPA 6020	5.0	0.35	08/24/12 09:01	08/24/12 18:21	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	08/24/12 08:48	08/29/12 16:31	VWC
Copper	ug/L	3.1	EPA 6020	0.50	0.13	08/24/12 09:01	08/24/12 18:21	AWS
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	08/24/12 09:01	08/24/12 18:21	AWS
Nickel	ug/L	0.46 U	EPA 6020	5.0	0.46	08/24/12 09:01	08/24/12 18:21	AWS
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	08/28/12 10:12	08/28/12 12:45	AWS
Silver	ug/L	1.1 U	EPA 6010	20	1.1	08/24/12 08:48	08/29/12 16:31	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	08/24/12 09:01	08/24/12 18:21	AWS
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	08/24/12 08:48	08/29/12 16:31	VWC
Zinc	ug/L	5.1	EPA 6020	5.0	0.88	08/24/12 09:01	08/24/12 18:21	AWS



Pasco County Environmental Laboratory  
8864 Government Drive  
New Port Richey, FL 34654

September 4, 2012  
Work Order: 1209465

## \* Qualifiers, Notes and Definitions

---

Results followed by a "U" indicate that the sample was analyzed but the compound was not detected. Results followed by "I" indicate that the reported value is between the laboratory method detection limits and the laboratory practical quantitation limit.

A statement of estimated uncertainty of test results is available upon request.

For methods marked with \*\*, all QC criteria have been met for this method which is equivalent to a SAL certified method.

Test results in this report meet all the requirements of the NELAC standards. Any applicable qualifiers are shown below.  
Questions regarding this report should be directed to Client Services at 813-855-1844.

**SOUTHERN ANALYTICAL LABORATORIES, INC.**

1108AVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. 1209465

[illegible]Chain of Custody.xls  
Rev. Date 11/19/01

## Chain of Custody

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209312**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		4MW-4 2388						
Matrix		Groundwater						
SAL Sample Number		1209312-01						
Date/Time Collected		08/16/12 10:47						
Collected by		Wilfred Martfeld						
Date/Time Received		08/17/12 14:17						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<u>Volatile Organic Compounds</u>								
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/17/12 18:38	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		08/17/12 18:38	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 18:38	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 18:38	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:38	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:38	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/17/12 18:38	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/17/12 18:38	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:38	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:38	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 18:38	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 18:38	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:38	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 18:38	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 18:38	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:38	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 18:38	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:38	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		08/17/12 18:38	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:38	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 18:38	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:38	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/17/12 18:38	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:38	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:38	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:38	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 18:38	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		08/17/12 18:38	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		08/17/12 18:38	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:38	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:38	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		08/17/12 18:38	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		08/17/12 18:38	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:38	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:38	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 18:38	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209312**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description	4MW-4 2388							
Matrix	Groundwater							
SAL Sample Number	1209312-01							
Date/Time Collected	08/16/12 10:47							
Collected by	Wilfred Martfeld							
Date/Time Received	08/17/12 14:17							
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/17/12 18:38	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:38	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:38	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:38	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:38	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/17/12 18:38	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 18:38	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		08/17/12 18:38	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		08/17/12 18:38	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:38	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 18:38	JRW
<b><u>Pesticide Analyses</u></b>								
1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	08/30/12 12:43	09/01/12 18:06	BTJ
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	08/30/12 12:43	09/01/12 18:06	BTJ
<b><u>Metals</u></b>								
Antimony	ug/L	0.071 U	EPA 6020	0.50	0.071	08/23/12 16:00	08/23/12 17:11	AWS
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	08/22/12 09:00	08/22/12 19:23	AWS
Barium	ug/L	7.8	EPA 6020	0.50	0.18	08/22/12 09:00	08/22/12 19:23	AWS
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	08/23/12 08:00	08/23/12 15:48	VWC
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	08/22/12 09:00	08/22/12 19:23	AWS
Chromium	ug/L	0.90 I	EPA 6020	5.0	0.35	08/22/12 09:00	08/22/12 19:23	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	08/23/12 08:00	08/23/12 15:48	VWC
Copper	ug/L	0.48 I	EPA 6020	0.50	0.13	08/22/12 09:00	08/22/12 19:23	AWS
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	08/22/12 09:00	08/22/12 19:23	AWS
Nickel	ug/L	4.5 I	EPA 6020	5.0	0.46	08/22/12 09:00	08/22/12 19:23	AWS
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	08/23/12 16:00	08/23/12 17:11	AWS
Silver	ug/L	1.1 U	EPA 6010	20	1.1	08/23/12 08:00	08/23/12 15:48	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	08/22/12 09:00	08/22/12 19:23	AWS
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	08/23/12 08:00	08/23/12 15:48	VWC
Zinc	ug/L	1.1 I	EPA 6020	5.0	0.88	08/22/12 09:00	08/22/12 19:23	AWS

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209312**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		2MW-18D 19759						
Matrix		Groundwater						
SAL Sample Number		1209312-02						
Date/Time Collected		08/16/12 11:51						
Collected by		Wilfred Martfeld						
Date/Time Received		08/17/12 14:17						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<u><b>Volatile Organic Compounds</b></u>								
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/17/12 18:05	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		08/17/12 18:05	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 18:05	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 18:05	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:05	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:05	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/17/12 18:05	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/17/12 18:05	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:05	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:05	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 18:05	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 18:05	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:05	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 18:05	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 18:05	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:05	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 18:05	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:05	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		08/17/12 18:05	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:05	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 18:05	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:05	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/17/12 18:05	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:05	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:05	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:05	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 18:05	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		08/17/12 18:05	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		08/17/12 18:05	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:05	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:05	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		08/17/12 18:05	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		08/17/12 18:05	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:05	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:05	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 18:05	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209312**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>2MW-18D 19759</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1209312-02</b>
Date/Time Collected	<b>08/16/12 11:51</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>08/17/12 14:17</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/17/12 18:05	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:05	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:05	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:05	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:05	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/17/12 18:05	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 18:05	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		08/17/12 18:05	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		08/17/12 18:05	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 18:05	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 18:05	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	08/30/12 12:43	09/01/12 18:28	BTJ
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	08/30/12 12:43	09/01/12 18:28	BTJ

### Metals

Antimony	ug/L	0.071 U	EPA 6020	0.50	0.071	08/23/12 16:00	08/23/12 17:20	AWS
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	08/22/12 09:00	08/23/12 08:57	AWS
Barium	ug/L	9.2	EPA 6020	0.50	0.18	08/22/12 09:00	08/23/12 08:57	AWS
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	08/23/12 08:00	08/23/12 15:58	VWC
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	08/22/12 09:00	08/23/12 08:57	AWS
Chromium	ug/L	1.6 I	EPA 6020	5.0	0.35	08/22/12 09:00	08/23/12 08:57	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	08/23/12 08:00	08/23/12 15:58	VWC
Copper	ug/L	0.86	EPA 6020	0.50	0.13	08/22/12 09:00	08/23/12 08:57	AWS
Lead	ug/L	0.59	EPA 6020	0.50	0.25	08/22/12 09:00	08/23/12 08:57	AWS
Nickel	ug/L	5.2	EPA 6020	5.0	0.46	08/22/12 09:00	08/23/12 08:57	AWS
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	08/23/12 16:00	08/23/12 17:20	AWS
Silver	ug/L	1.1 U	EPA 6010	20	1.1	08/23/12 08:00	08/23/12 15:58	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	08/22/12 09:00	08/23/12 08:57	AWS
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	08/23/12 08:00	08/23/12 15:58	VWC
Zinc	ug/L	5.4	EPA 6020	5.0	0.88	08/22/12 09:00	08/23/12 08:57	AWS



**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209312**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		2MW-19D 19764						
Matrix		Groundwater						
SAL Sample Number		1209312-03						
Date/Time Collected		08/16/12 13:00						
Collected by		Wilfred Martfeld						
Date/Time Received		08/17/12 14:17						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<u><b>Volatile Organic Compounds</b></u>								
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/17/12 19:10	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		08/17/12 19:10	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 19:10	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 19:10	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:10	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:10	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/17/12 19:10	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/17/12 19:10	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:10	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:10	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 19:10	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 19:10	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:10	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 19:10	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 19:10	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:10	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 19:10	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:10	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		08/17/12 19:10	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:10	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 19:10	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:10	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/17/12 19:10	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:10	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:10	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:10	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 19:10	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		08/17/12 19:10	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		08/17/12 19:10	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:10	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:10	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		08/17/12 19:10	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		08/17/12 19:10	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:10	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:10	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 19:10	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209312**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>2MW-19D 19764</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1209312-03</b>
Date/Time Collected	<b>08/16/12 13:00</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>08/17/12 14:17</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/17/12 19:10	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:10	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:10	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:10	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:10	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/17/12 19:10	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 19:10	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		08/17/12 19:10	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		08/17/12 19:10	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:10	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 19:10	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	08/30/12 12:43	09/01/12 18:50	BTJ
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	08/30/12 12:43	09/01/12 18:50	BTJ

### Metals

Antimony	ug/L	0.071 U	EPA 6020	0.50	0.071	08/23/12 16:00	08/23/12 17:23	AWS
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	08/22/12 09:00	08/23/12 09:04	AWS
Barium	ug/L	9.4	EPA 6020	0.50	0.18	08/22/12 09:00	08/23/12 09:04	AWS
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	08/23/12 08:00	08/23/12 16:29	VWC
Cadmium	ug/L	0.36 I	EPA 6020	0.50	0.27	08/22/12 09:00	08/23/12 09:04	AWS
Chromium	ug/L	0.68 I	EPA 6020	5.0	0.35	08/22/12 09:00	08/23/12 09:04	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	08/23/12 08:00	08/23/12 16:29	VWC
Copper	ug/L	1.1	EPA 6020	0.50	0.13	08/22/12 09:00	08/23/12 09:04	AWS
Lead	ug/L	0.35 I	EPA 6020	0.50	0.25	08/22/12 09:00	08/23/12 09:04	AWS
Nickel	ug/L	5.1	EPA 6020	5.0	0.46	08/22/12 09:00	08/23/12 09:04	AWS
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	08/23/12 16:00	08/23/12 17:23	AWS
Silver	ug/L	1.1 U	EPA 6010	20	1.1	08/23/12 08:00	08/23/12 16:29	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	08/22/12 09:00	08/23/12 09:04	AWS
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	08/23/12 08:00	08/23/12 16:29	VWC
Zinc	ug/L	1.8 I	EPA 6020	5.0	0.88	08/22/12 09:00	08/23/12 09:04	AWS

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209312**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		4MW-5 2389						
Matrix		Groundwater						
SAL Sample Number		1209312-04						
Date/Time Collected		08/16/12 15:27						
Collected by		Wilfred Martfeld						
Date/Time Received		08/17/12 14:17						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<u><b>Volatile Organic Compounds</b></u>								
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/17/12 19:43	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		08/17/12 19:43	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 19:43	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 19:43	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:43	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:43	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/17/12 19:43	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/17/12 19:43	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:43	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:43	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 19:43	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 19:43	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:43	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 19:43	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 19:43	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:43	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 19:43	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:43	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		08/17/12 19:43	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:43	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 19:43	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:43	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/17/12 19:43	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:43	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:43	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:43	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 19:43	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		08/17/12 19:43	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		08/17/12 19:43	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:43	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:43	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		08/17/12 19:43	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		08/17/12 19:43	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:43	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:43	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 19:43	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209312**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>4MW-5 2389</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1209312-04</b>
Date/Time Collected	<b>08/16/12 15:27</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>08/17/12 14:17</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/17/12 19:43	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:43	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:43	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:43	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:43	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/17/12 19:43	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 19:43	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		08/17/12 19:43	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		08/17/12 19:43	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 19:43	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 19:43	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0056 U	EPA 8011	0.022	0.0056	08/30/12 12:43	09/01/12 19:56	BTJ
1,2-Dibromoethane	ug/L	0.0056 U	EPA 8011	0.022	0.0056	08/30/12 12:43	09/01/12 19:56	BTJ

### Metals

Antimony	ug/L	0.071 U	EPA 6020	0.50	0.071	08/23/12 16:00	08/23/12 17:26	AWS
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	08/22/12 09:00	08/23/12 09:10	AWS
Barium	ug/L	9.6	EPA 6020	0.50	0.18	08/22/12 09:00	08/23/12 09:10	AWS
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	08/23/12 08:00	08/23/12 16:32	VWC
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	08/22/12 09:00	08/23/12 09:10	AWS
Chromium	ug/L	1.4 I	EPA 6020	5.0	0.35	08/22/12 09:00	08/23/12 09:10	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	08/23/12 08:00	08/23/12 16:32	VWC
Copper	ug/L	0.44 I	EPA 6020	0.50	0.13	08/22/12 09:00	08/23/12 09:10	AWS
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	08/22/12 09:00	08/23/12 09:10	AWS
Nickel	ug/L	5.6	EPA 6020	5.0	0.46	08/22/12 09:00	08/23/12 09:10	AWS
Selenium	ug/L	1.3 I	EPA 6020	5.0	0.93	08/23/12 16:00	08/23/12 17:26	AWS
Silver	ug/L	1.1 U	EPA 6010	20	1.1	08/23/12 08:00	08/23/12 16:32	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	08/22/12 09:00	08/23/12 09:10	AWS
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	08/23/12 08:00	08/23/12 16:32	VWC
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	08/22/12 09:00	08/23/12 09:10	AWS

Pasco County Environmental Laboratory  
8864 Government Drive  
New Port Richey, FL 34654

September 4, 2012  
Work Order: 1209312

## \* Qualifiers, Notes and Definitions

---

Results followed by a "U" indicate that the sample was analyzed but the compound was not detected. Results followed by "I" indicate that the reported value is between the laboratory method detection limits and the laboratory practical quantitation limit.

A statement of estimated uncertainty of test results is available upon request.

For methods marked with \*\*, all QC criteria have been met for this method which is equivalent to a SAL certified method.

Test results in this report meet all the requirements of the NELAC standards. Any applicable qualifiers are shown below.  
Questions regarding this report should be directed to Client Services at 813-855-1844.

A handwritten signature in black ink, appearing to read "Francis I. Daniels".

SAL Project No.

## Chain of Custody



**Pasco County Environmental Laboratory**

**8864 Government Drive**

**New Port Richey, FL 34654**

**September 19, 2012**

**Work Order: 1210181**

## Laboratory Report

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

Sample Description	<b>4MW-21 23065</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1210181-01</b>
Date/Time Collected	<b>09/05/12 12:32</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>09/06/12 13:30</b>

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<b><u>Volatile Organic Compounds</u></b>								
Acetone	ug/L	2.7 I	EPA 8260	4.0	2.0		09/12/12 12:58	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		09/12/12 12:58	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 12:58	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 12:58	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 12:58	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 12:58	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/12/12 12:58	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		09/12/12 12:58	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 12:58	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 12:58	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 12:58	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/12/12 12:58	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 12:58	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/12/12 12:58	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 12:58	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 12:58	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 12:58	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 12:58	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		09/12/12 12:58	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 12:58	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 12:58	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 12:58	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/12/12 12:58	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 12:58	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 12:58	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 12:58	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 12:58	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		09/12/12 12:58	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		09/12/12 12:58	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 12:58	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 12:58	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		09/12/12 12:58	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		09/12/12 12:58	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 12:58	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 12:58	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 12:58	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 19, 2012**  
**Work Order: 1210181**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>4MW-21 23065</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1210181-01</b>
Date/Time Collected	<b>09/05/12 12:32</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>09/06/12 13:30</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/12/12 12:58	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 12:58	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 12:58	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 12:58	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 12:58	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/12/12 12:58	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		09/12/12 12:58	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		09/12/12 12:58	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		09/12/12 12:58	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 12:58	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 12:58	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	09/12/12 16:11	09/13/12 02:09	BTJ
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	09/12/12 16:11	09/13/12 02:09	BTJ

### Metals

Antimony	ug/L	0.071 U	EPA 6020	0.50	0.071	09/13/12 12:35	09/13/12 14:39	VWC
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	09/12/12 09:54	09/13/12 02:33	AWS
Barium	ug/L	10	EPA 6020	0.50	0.18	09/12/12 09:54	09/13/12 02:33	VWC
Beryllium	ug/L	0.20 I	EPA 6010	1.0	0.096	09/10/12 15:31	09/13/12 17:54	VWC
Cadmium	ug/L	1.4	EPA 6020	0.50	0.27	09/12/12 09:54	09/13/12 02:33	AWS
Chromium	ug/L	1.2 I	EPA 6020	5.0	0.35	09/12/12 09:54	09/13/12 02:33	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	09/10/12 15:31	09/13/12 17:54	VWC
Copper	ug/L	0.43 I	EPA 6020	0.50	0.13	09/12/12 09:54	09/13/12 02:33	AWS
Lead	ug/L	0.40 I	EPA 6020	0.50	0.25	09/12/12 09:54	09/13/12 02:33	AWS
Nickel	ug/L	1.9 I	EPA 6020	5.0	0.46	09/12/12 09:54	09/13/12 02:33	AWS
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	09/13/12 12:35	09/13/12 14:39	VWC
Silver	ug/L	1.5 I	EPA 6010	20	1.1	09/10/12 15:31	09/13/12 17:54	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	09/12/12 09:54	09/13/12 02:33	AWS
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	09/10/12 15:31	09/13/12 17:54	VWC
Zinc	ug/L	11	EPA 6020	5.0	0.88	09/12/12 09:54	09/13/12 02:33	VWC

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 19, 2012**  
**Work Order: 1210181**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		4MW-22 23066						
Matrix		Groundwater						
SAL Sample Number		1210181-02						
Date/Time Collected		09/05/12 13:37						
Collected by		Wilfred Martfeld						
Date/Time Received		09/06/12 13:30						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<u><b>Volatile Organic Compounds</b></u>								
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		09/12/12 13:31	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		09/12/12 13:31	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 13:31	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 13:31	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 13:31	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 13:31	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/12/12 13:31	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		09/12/12 13:31	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 13:31	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 13:31	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 13:31	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/12/12 13:31	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 13:31	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/12/12 13:31	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 13:31	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 13:31	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 13:31	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 13:31	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		09/12/12 13:31	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 13:31	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 13:31	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 13:31	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/12/12 13:31	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 13:31	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 13:31	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 13:31	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 13:31	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		09/12/12 13:31	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		09/12/12 13:31	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 13:31	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 13:31	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		09/12/12 13:31	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		09/12/12 13:31	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 13:31	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 13:31	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 13:31	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 19, 2012**  
**Work Order: 1210181**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>4MW-22 23066</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1210181-02</b>
Date/Time Collected	<b>09/05/12 13:37</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>09/06/12 13:30</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/12/12 13:31	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 13:31	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 13:31	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 13:31	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 13:31	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/12/12 13:31	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		09/12/12 13:31	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		09/12/12 13:31	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		09/12/12 13:31	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 13:31	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 13:31	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0052 U	EPA 8011	0.021	0.0052	09/12/12 16:11	09/13/12 02:31	BTJ
1,2-Dibromoethane	ug/L	0.0052 U	EPA 8011	0.021	0.0052	09/12/12 16:11	09/13/12 02:31	BTJ

### Metals

Antimony	ug/L	0.071 U	EPA 6020	0.50	0.071	09/13/12 12:35	09/13/12 14:47	VWC
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	09/12/12 09:54	09/13/12 02:52	AWS
Barium	ug/L	11	EPA 6020	0.50	0.18	09/12/12 09:54	09/13/12 02:52	VWC
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	09/10/12 15:31	09/13/12 17:58	VWC
Cadmium	ug/L	0.27 I	EPA 6020	0.50	0.27	09/12/12 09:54	09/13/12 02:52	AWS
Chromium	ug/L	0.81 I	EPA 6020	5.0	0.35	09/12/12 09:54	09/13/12 02:52	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	09/10/12 15:31	09/13/12 17:58	VWC
Copper	ug/L	0.45 I	EPA 6020	0.50	0.13	09/12/12 09:54	09/13/12 02:52	AWS
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	09/12/12 09:54	09/13/12 02:52	AWS
Nickel	ug/L	3.4 I	EPA 6020	5.0	0.46	09/12/12 09:54	09/13/12 02:52	AWS
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	09/13/12 12:35	09/13/12 14:47	VWC
Silver	ug/L	2.9 I	EPA 6010	20	1.1	09/10/12 15:31	09/13/12 17:58	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	09/12/12 09:54	09/13/12 02:52	AWS
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	09/10/12 15:31	09/13/12 17:58	VWC
Zinc	ug/L	2.9 I	EPA 6020	5.0	0.88	09/12/12 09:54	09/13/12 02:52	VWC

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 19, 2012**  
**Work Order: 1210181**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		2MW-26D 23448						
Matrix		Groundwater						
SAL Sample Number		1210181-03						
Date/Time Collected		09/05/12 14:57						
Collected by		Wilfred Martfeld						
Date/Time Received		09/06/12 13:30						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<u><b>Volatile Organic Compounds</b></u>								
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		09/12/12 14:04	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		09/12/12 14:04	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 14:04	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 14:04	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 14:04	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 14:04	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/12/12 14:04	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		09/12/12 14:04	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 14:04	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 14:04	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 14:04	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/12/12 14:04	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 14:04	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/12/12 14:04	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 14:04	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 14:04	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 14:04	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 14:04	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		09/12/12 14:04	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 14:04	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 14:04	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 14:04	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/12/12 14:04	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 14:04	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 14:04	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 14:04	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 14:04	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		09/12/12 14:04	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		09/12/12 14:04	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 14:04	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 14:04	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		09/12/12 14:04	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		09/12/12 14:04	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 14:04	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 14:04	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 14:04	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 19, 2012**  
**Work Order: 1210181**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>2MW-26D 23448</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1210181-03</b>
Date/Time Collected	<b>09/05/12 14:57</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>09/06/12 13:30</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/12/12 14:04	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 14:04	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 14:04	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 14:04	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 14:04	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/12/12 14:04	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		09/12/12 14:04	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		09/12/12 14:04	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		09/12/12 14:04	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		09/12/12 14:04	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		09/12/12 14:04	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	09/12/12 16:11	09/13/12 07:36	BTJ
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	09/12/12 16:11	09/13/12 07:36	BTJ

### Metals

Antimony	ug/L	0.071 U	EPA 6020	0.50	0.071	09/13/12 12:35	09/13/12 14:50	VWC
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	09/12/12 09:54	09/13/12 02:58	AWS
Barium	ug/L	17	EPA 6020	0.50	0.18	09/12/12 09:54	09/13/12 02:58	VWC
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	09/10/12 15:31	09/13/12 18:01	VWC
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	09/12/12 09:54	09/13/12 02:58	AWS
Chromium	ug/L	1.0 I	EPA 6020	5.0	0.35	09/12/12 09:54	09/13/12 02:58	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	09/10/12 15:31	09/13/12 18:01	VWC
Copper	ug/L	0.30 I	EPA 6020	0.50	0.13	09/12/12 09:54	09/13/12 02:58	AWS
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	09/12/12 09:54	09/13/12 02:58	AWS
Nickel	ug/L	4.1 I	EPA 6020	5.0	0.46	09/12/12 09:54	09/13/12 02:58	AWS
Selenium	ug/L	1.9 I	EPA 6020	5.0	0.93	09/13/12 12:35	09/13/12 14:50	VWC
Silver	ug/L	1.1 U	EPA 6010	20	1.1	09/10/12 15:31	09/13/12 18:01	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	09/12/12 09:54	09/13/12 02:58	AWS
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	09/10/12 15:31	09/13/12 18:01	VWC
Zinc	ug/L	1.8 I	EPA 6020	5.0	0.88	09/12/12 09:54	09/13/12 02:58	VWC



**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 19, 2012**  
**Work Order: 1210181**

## **\* Qualifiers, Notes and Definitions**

---

Results followed by a "U" indicate that the sample was analyzed but the compound was not detected. Results followed by "I" indicate that the reported value is between the laboratory method detection limits and the laboratory practical quantitation limit.

A statement of estimated uncertainty of test results is available upon request.

For methods marked with \*\*, all QC criteria have been met for this method which is equivalent to a SAL certified method.

Test results in this report meet all the requirements of the NELAC standards. Any applicable qualifiers are shown below.  
Questions regarding this report should be directed to Client Services at 813-855-1844.

A handwritten signature in black ink, appearing to read "Francis I. Daniels", is located in the bottom right corner of the page.

SAL Project No. 210181

1108AYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

[illegible]Chain of Custody.xls  
Rev.Date 11/19/01

## Chain of Custody

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209463**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		4MW-11D 2510						
Matrix		Groundwater						
SAL Sample Number		1209463-01						
Date/Time Collected		08/20/12 10:42						
Collected by		Wilfred Martfeld						
Date/Time Received		08/22/12 14:30						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<u>Volatile Organic Compounds</u>								
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/23/12 17:16	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		08/23/12 17:16	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 17:16	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 17:16	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:16	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:16	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/23/12 17:16	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/23/12 17:16	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:16	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:16	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 17:16	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/23/12 17:16	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:16	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/23/12 17:16	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 17:16	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:16	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 17:16	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:16	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		08/23/12 17:16	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:16	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 17:16	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:16	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/23/12 17:16	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:16	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:16	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:16	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 17:16	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		08/23/12 17:16	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		08/23/12 17:16	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:16	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:16	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		08/23/12 17:16	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		08/23/12 17:16	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:16	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:16	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 17:16	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209463**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>4MW-11D 2510</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1209463-01</b>
Date/Time Collected	<b>08/20/12 10:42</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>08/22/12 14:30</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/23/12 17:16	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:16	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:16	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:16	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:16	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/23/12 17:16	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		08/23/12 17:16	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		08/23/12 17:16	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		08/23/12 17:16	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:16	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 17:16	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	08/30/12 12:43	09/01/12 21:23	BTJ
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	08/30/12 12:43	09/01/12 21:23	BTJ

### Metals

Antimony	ug/L	0.071 U	EPA 6020	0.50	0.071	08/28/12 10:12	08/28/12 12:14	AWS
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	08/24/12 09:01	08/24/12 17:23	AWS
Barium	ug/L	5.3	EPA 6020	0.50	0.18	08/24/12 09:01	08/24/12 17:23	AWS
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	08/24/12 08:48	08/29/12 16:16	VWC
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	08/24/12 09:01	08/24/12 17:23	AWS
Chromium	ug/L	0.97 I	EPA 6020	5.0	0.35	08/24/12 09:01	08/24/12 17:23	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	08/24/12 08:48	08/29/12 16:16	VWC
Copper	ug/L	0.13 U	EPA 6020	0.50	0.13	08/24/12 09:01	08/24/12 17:23	AWS
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	08/24/12 09:01	08/24/12 17:23	AWS
Nickel	ug/L	2.7 I	EPA 6020	5.0	0.46	08/24/12 09:01	08/24/12 17:23	AWS
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	08/28/12 10:12	08/28/12 12:14	AWS
Silver	ug/L	1.1 U	EPA 6010	20	1.1	08/24/12 08:48	08/29/12 16:16	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	08/24/12 09:01	08/24/12 17:23	AWS
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	08/24/12 08:48	08/29/12 16:16	VWC
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	08/24/12 09:01	08/24/12 17:23	AWS

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209463**

## Laboratory Report

**Project Name PASCO COUNTY RESOURCE RECOVERY**

Sample Description **4MW-12D 2511**  
 Matrix **Groundwater**  
 SAL Sample Number **1209463-02**  
 Date/Time Collected **08/20/12 12:41**  
 Collected by **Wilfred Martfeld**  
 Date/Time Received **08/22/12 14:30**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<b><u>Volatile Organic Compounds</u></b>								
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/23/12 17:48	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		08/23/12 17:48	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 17:48	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 17:48	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:48	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:48	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/23/12 17:48	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/23/12 17:48	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:48	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:48	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 17:48	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/23/12 17:48	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:48	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/23/12 17:48	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 17:48	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:48	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 17:48	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:48	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		08/23/12 17:48	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:48	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 17:48	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:48	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/23/12 17:48	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:48	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:48	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:48	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 17:48	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		08/23/12 17:48	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		08/23/12 17:48	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:48	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:48	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		08/23/12 17:48	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		08/23/12 17:48	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:48	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:48	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 17:48	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209463**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>4MW-12D 2511</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1209463-02</b>
Date/Time Collected	<b>08/20/12 12:41</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>08/22/12 14:30</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/23/12 17:48	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:48	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:48	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:48	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:48	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/23/12 17:48	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		08/23/12 17:48	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		08/23/12 17:48	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		08/23/12 17:48	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 17:48	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 17:48	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	08/30/12 12:43	09/01/12 21:45	BTJ
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	08/30/12 12:43	09/01/12 21:45	BTJ

### Metals

Antimony	ug/L	0.12 I	EPA 6020	0.50	0.071	08/28/12 10:12	08/28/12 12:23	AWS
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	08/24/12 09:01	08/24/12 17:42	AWS
Barium	ug/L	7.2	EPA 6020	0.50	0.18	08/24/12 09:01	08/24/12 17:42	AWS
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	08/24/12 08:48	08/29/12 14:49	VWC
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	08/24/12 09:01	08/24/12 17:42	AWS
Chromium	ug/L	0.80 I	EPA 6020	5.0	0.35	08/24/12 09:01	08/24/12 17:42	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	08/24/12 08:48	08/29/12 14:49	VWC
Copper	ug/L	0.13 U	EPA 6020	0.50	0.13	08/24/12 09:01	08/24/12 17:42	AWS
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	08/24/12 09:01	08/24/12 17:42	AWS
Nickel	ug/L	3.7 I	EPA 6020	5.0	0.46	08/24/12 09:01	08/24/12 17:42	AWS
Selenium	ug/L	1.1 I	EPA 6020	5.0	0.93	08/28/12 10:12	08/28/12 12:23	AWS
Silver	ug/L	1.1 U	EPA 6010	20	1.1	08/24/12 08:48	08/29/12 14:49	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	08/24/12 09:01	08/24/12 17:42	AWS
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	08/24/12 08:48	08/29/12 14:49	VWC
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	08/24/12 09:01	08/24/12 17:42	AWS



**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209463**

## Laboratory Report

**Project Name PASCO COUNTY RESOURCE RECOVERY**

Sample Description **4MW-14D 2512**  
 Matrix **Groundwater**  
 SAL Sample Number **1209463-03**  
 Date/Time Collected **08/20/12 14:58**  
 Collected by **Wilfred Martfeld**  
 Date/Time Received **08/22/12 14:30**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<b><u>Volatile Organic Compounds</u></b>								
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/23/12 18:20	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		08/23/12 18:20	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 18:20	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 18:20	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:20	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:20	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/23/12 18:20	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/23/12 18:20	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:20	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:20	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 18:20	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/23/12 18:20	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:20	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/23/12 18:20	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 18:20	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:20	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 18:20	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:20	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		08/23/12 18:20	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:20	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 18:20	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:20	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/23/12 18:20	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:20	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:20	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:20	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 18:20	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		08/23/12 18:20	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		08/23/12 18:20	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:20	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:20	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		08/23/12 18:20	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		08/23/12 18:20	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:20	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:20	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 18:20	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 4, 2012**  
**Work Order: 1209463**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>4MW-14D 2512</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1209463-03</b>
Date/Time Collected	<b>08/20/12 14:58</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>08/22/12 14:30</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/23/12 18:20	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:20	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:20	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:20	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:20	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/23/12 18:20	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		08/23/12 18:20	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		08/23/12 18:20	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		08/23/12 18:20	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		08/23/12 18:20	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		08/23/12 18:20	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	08/30/12 12:43	09/01/12 22:06	BTJ
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	08/30/12 12:43	09/01/12 22:06	BTJ

### Metals

Antimony	ug/L	0.071 U	EPA 6020	0.50	0.071	08/28/12 10:12	08/28/12 12:25	AWS
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	08/24/12 09:01	08/24/12 17:49	AWS
Barium	ug/L	9.5	EPA 6020	0.50	0.18	08/24/12 09:01	08/24/12 17:49	AWS
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	08/24/12 08:48	08/29/12 16:20	VWC
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	08/24/12 09:01	08/24/12 17:49	AWS
Chromium	ug/L	1.3 I	EPA 6020	5.0	0.35	08/24/12 09:01	08/24/12 17:49	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	08/24/12 08:48	08/29/12 16:20	VWC
Copper	ug/L	0.20 I	EPA 6020	0.50	0.13	08/24/12 09:01	08/24/12 17:49	AWS
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	08/24/12 09:01	08/24/12 17:49	AWS
Nickel	ug/L	4.0 I	EPA 6020	5.0	0.46	08/24/12 09:01	08/24/12 17:49	AWS
Selenium	ug/L	1.5 I	EPA 6020	5.0	0.93	08/28/12 10:12	08/28/12 12:25	AWS
Silver	ug/L	1.1 U	EPA 6010	20	1.1	08/24/12 08:48	08/29/12 16:20	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	08/24/12 09:01	08/24/12 17:49	AWS
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	08/24/12 08:48	08/29/12 16:20	VWC
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	08/24/12 09:01	08/24/12 17:49	AWS

Pasco County Environmental Laboratory  
8864 Government Drive  
New Port Richey, FL 34654

September 4, 2012  
Work Order: 1209463

## \* Qualifiers, Notes and Definitions

---

Results followed by a "U" indicate that the sample was analyzed but the compound was not detected. Results followed by "I" indicate that the reported value is between the laboratory method detection limits and the laboratory practical quantitation limit.

A statement of estimated uncertainty of test results is available upon request.

For methods marked with \*\*, all QC criteria have been met for this method which is equivalent to a SAL certified method.

Test results in this report meet all the requirements of the NELAC standards. Any applicable qualifiers are shown below.  
Questions regarding this report should be directed to Client Services at 813-855-1844.

SAL Project No. 1209463

SAL Project No. 1209463

SAL Project No. 1209463

## Chain of Custody

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 14, 2012**  
**Work Order: 1209790**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		4MW-13D 19214						
Matrix		Groundwater						
SAL Sample Number		1209790-01						
Date/Time Collected		08/28/12 09:45						
Collected by		Wilfred Martfeld						
Date/Time Received		08/29/12 13:35						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<u><b>Volatile Organic Compounds</b></u>								
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		09/05/12 17:30	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		09/05/12 17:30	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 17:30	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 17:30	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 17:30	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 17:30	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/05/12 17:30	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		09/05/12 17:30	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 17:30	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 17:30	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 17:30	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 17:30	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 17:30	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 17:30	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 17:30	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 17:30	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 17:30	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 17:30	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		09/05/12 17:30	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 17:30	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 17:30	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 17:30	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/05/12 17:30	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 17:30	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 17:30	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 17:30	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 17:30	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		09/05/12 17:30	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		09/05/12 17:30	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 17:30	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 17:30	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		09/05/12 17:30	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		09/05/12 17:30	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 17:30	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 17:30	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 17:30	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 14, 2012**  
**Work Order: 1209790**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>4MW-13D 19214</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1209790-01</b>
Date/Time Collected	<b>08/28/12 09:45</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>08/29/12 13:35</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/05/12 17:30	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 17:30	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 17:30	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 17:30	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 17:30	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/05/12 17:30	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 17:30	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		09/05/12 17:30	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		09/05/12 17:30	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 17:30	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 17:30	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	08/30/12 12:43	09/02/12 00:38	BTJ
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	08/30/12 12:43	09/02/12 00:38	BTJ

### Metals

Antimony	ug/L	0.091 I	EPA 6020	0.50	0.071	09/04/12 15:36	09/05/12 11:36	AWS
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	08/30/12 12:43	08/31/12 19:57	AWS
Barium	ug/L	7.3	EPA 6020	0.50	0.18	08/30/12 12:43	08/31/12 19:57	AWS
Beryllium	ug/L	0.27 I	EPA 6010	1.0	0.096	08/30/12 12:31	08/31/12 18:33	VWC
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	08/30/12 12:43	08/31/12 19:57	AWS
Chromium	ug/L	0.35 U	EPA 6020	5.0	0.35	08/30/12 12:43	08/31/12 19:57	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	08/30/12 12:31	08/31/12 18:33	VWC
Copper	ug/L	0.13 U	EPA 6020	0.50	0.13	08/30/12 12:43	08/31/12 19:57	AWS
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	08/30/12 12:43	08/31/12 19:57	AWS
Nickel	ug/L	2.5 I	EPA 6020	5.0	0.46	08/30/12 12:43	08/31/12 19:57	AWS
Selenium	ug/L	2.9 I	EPA 6020	5.0	0.93	09/04/12 15:36	09/05/12 11:36	AWS
Silver	ug/L	5.6 I	EPA 6010	20	1.1	08/30/12 12:31	08/31/12 18:33	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	08/30/12 12:43	08/31/12 19:57	AWS
Vanadium	ug/L	8.6 I	EPA 6010	10	7.8	08/30/12 12:31	08/31/12 18:33	VWC
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	08/30/12 12:43	08/31/12 19:57	AWS

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 14, 2012**  
**Work Order: 1209790**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>4MW-8 2341</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1209790-02</b>
Date/Time Collected	<b>08/28/12 11:04</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>08/29/12 13:35</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<b><u>Volatile Organic Compounds</u></b>								
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		09/05/12 18:03	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		09/05/12 18:03	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 18:03	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 18:03	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:03	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:03	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/05/12 18:03	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		09/05/12 18:03	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:03	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:03	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 18:03	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 18:03	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:03	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 18:03	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 18:03	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:03	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 18:03	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:03	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		09/05/12 18:03	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:03	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 18:03	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:03	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/05/12 18:03	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:03	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:03	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:03	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 18:03	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		09/05/12 18:03	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		09/05/12 18:03	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:03	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:03	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		09/05/12 18:03	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		09/05/12 18:03	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:03	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:03	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 18:03	JRW

---



**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 14, 2012**  
**Work Order: 1209790**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>4MW-8 2341</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1209790-02</b>
Date/Time Collected	<b>08/28/12 11:04</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>08/29/12 13:35</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/05/12 18:03	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:03	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:03	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:03	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:03	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/05/12 18:03	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 18:03	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		09/05/12 18:03	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		09/05/12 18:03	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:03	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 18:03	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	08/30/12 12:43	09/02/12 00:59	BTJ
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	08/30/12 12:43	09/02/12 00:59	BTJ

### Metals

Antimony	ug/L	0.16 I	EPA 6020	0.50	0.071	09/04/12 15:36	09/05/12 11:44	AWS
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	08/30/12 12:43	08/31/12 20:04	AWS
Barium	ug/L	6.4	EPA 6020	0.50	0.18	08/30/12 12:43	08/31/12 20:04	AWS
Beryllium	ug/L	0.26 I	EPA 6010	1.0	0.096	08/30/12 12:31	08/31/12 18:49	VWC
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	08/30/12 12:43	08/31/12 20:04	AWS
Chromium	ug/L	0.35 U	EPA 6020	5.0	0.35	08/30/12 12:43	08/31/12 20:04	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	08/30/12 12:31	08/31/12 18:49	VWC
Copper	ug/L	0.13 U	EPA 6020	0.50	0.13	08/30/12 12:43	08/31/12 20:04	AWS
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	08/30/12 12:43	08/31/12 20:04	AWS
Nickel	ug/L	2.0 I	EPA 6020	5.0	0.46	08/30/12 12:43	08/31/12 20:04	AWS
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	09/04/12 15:36	09/05/12 11:44	AWS
Silver	ug/L	2.6 I	EPA 6010	20	1.1	08/30/12 12:31	08/31/12 18:49	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	08/30/12 12:43	08/31/12 20:04	AWS
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	08/30/12 12:31	08/31/12 18:49	VWC
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	08/30/12 12:43	08/31/12 20:04	AWS

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 14, 2012**  
**Work Order: 1209790**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>4MW-7 2340</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1209790-03</b>
Date/Time Collected	<b>08/28/12 14:16</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>08/29/12 13:35</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<b><u>Volatile Organic Compounds</u></b>								
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		09/05/12 18:36	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		09/05/12 18:36	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 18:36	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 18:36	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:36	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:36	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/05/12 18:36	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		09/05/12 18:36	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:36	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:36	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 18:36	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 18:36	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:36	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 18:36	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 18:36	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:36	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 18:36	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:36	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		09/05/12 18:36	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:36	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 18:36	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:36	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/05/12 18:36	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:36	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:36	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:36	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 18:36	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		09/05/12 18:36	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		09/05/12 18:36	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:36	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:36	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		09/05/12 18:36	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		09/05/12 18:36	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:36	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:36	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 18:36	JRW

---

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 14, 2012**  
**Work Order: 1209790**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>4MW-7 2340</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1209790-03</b>
Date/Time Collected	<b>08/28/12 14:16</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>08/29/12 13:35</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/05/12 18:36	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:36	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:36	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:36	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:36	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/05/12 18:36	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 18:36	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		09/05/12 18:36	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		09/05/12 18:36	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 18:36	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 18:36	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	08/30/12 12:43	09/02/12 01:21	BTJ
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	08/30/12 12:43	09/02/12 01:21	BTJ

### Metals

Antimony	ug/L	0.073 I	EPA 6020	0.50	0.071	09/04/12 15:36	09/05/12 11:47	AWS
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	08/30/12 12:43	08/31/12 20:10	AWS
Barium	ug/L	8.5	EPA 6020	0.50	0.18	08/30/12 12:43	08/31/12 20:10	AWS
Beryllium	ug/L	0.23 I	EPA 6010	1.0	0.096	08/30/12 12:31	08/31/12 18:53	VWC
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	08/30/12 12:43	08/31/12 20:10	AWS
Chromium	ug/L	0.49 I	EPA 6020	5.0	0.35	08/30/12 12:43	08/31/12 20:10	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	08/30/12 12:31	08/31/12 18:53	VWC
Copper	ug/L	0.14 I	EPA 6020	0.50	0.13	08/30/12 12:43	08/31/12 20:10	AWS
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	08/30/12 12:43	08/31/12 20:10	AWS
Nickel	ug/L	2.6 I	EPA 6020	5.0	0.46	08/30/12 12:43	08/31/12 20:10	AWS
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	09/04/12 15:36	09/05/12 11:47	AWS
Silver	ug/L	4.1 I	EPA 6010	20	1.1	08/30/12 12:31	08/31/12 18:53	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	08/30/12 12:43	08/31/12 20:10	AWS
Vanadium	ug/L	9.1 I	EPA 6010	10	7.8	08/30/12 12:31	08/31/12 18:53	VWC
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	08/30/12 12:43	08/31/12 20:10	AWS

Pasco County Environmental Laboratory  
8864 Government Drive  
New Port Richey, FL 34654

September 14, 2012  
Work Order: 1209790

## \* Qualifiers, Notes and Definitions

---

Results followed by a "U" indicate that the sample was analyzed but the compound was not detected. Results followed by "I" indicate that the reported value is between the laboratory method detection limits and the laboratory practical quantitation limit.

A statement of estimated uncertainty of test results is available upon request.

For methods marked with \*\*, all QC criteria have been met for this method which is equivalent to a SAL certified method.

Test results in this report meet all the requirements of the NELAC standards. Any applicable qualifiers are shown below. Questions regarding this report should be directed to Client Services at 813-855-1844.

J0 Surrogate recovery was outside control limits.



110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. 1209790

Chain of Custody.xls  
Rev.Date 11/19/01

## Chain of Custody

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 18, 2012**  
**Work Order: 1209911**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>4MW-27D 23452</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1209911-01</b>
Date/Time Collected	<b>08/29/12 11:40</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>08/31/12 10:45</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<b><u>Volatile Organic Compounds</u></b>								
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		09/05/12 19:09	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		09/05/12 19:09	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 19:09	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 19:09	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:09	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:09	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/05/12 19:09	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		09/05/12 19:09	JRW
Carbon disulfide	ug/L	0.2 I	EPA 8260	0.8	0.2		09/05/12 19:09	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:09	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 19:09	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 19:09	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:09	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 19:09	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 19:09	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:09	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 19:09	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:09	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		09/05/12 19:09	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:09	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 19:09	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:09	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/05/12 19:09	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:09	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:09	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:09	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 19:09	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		09/05/12 19:09	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		09/05/12 19:09	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:09	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:09	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		09/05/12 19:09	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		09/05/12 19:09	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:09	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:09	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 19:09	JRW

---

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 18, 2012**  
**Work Order: 1209911**

## Laboratory Report

**Project Name PASCO COUNTY RESOURCE RECOVERY**

Sample Description **4MW-27D 23452**  
 Matrix **Groundwater**  
 SAL Sample Number **1209911-01**  
 Date/Time Collected **08/29/12 11:40**  
 Collected by **Wilfred Martfeld**  
 Date/Time Received **08/31/12 10:45**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/05/12 19:09	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:09	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:09	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:09	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:09	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/05/12 19:09	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 19:09	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		09/05/12 19:09	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		09/05/12 19:09	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:09	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 19:09	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	09/12/12 16:11	09/12/12 22:54	BTJ
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	09/12/12 16:11	09/12/12 22:54	BTJ

### Metals

Antimony	ug/L	0.095 I	EPA 6020	0.50	0.071	09/12/12 10:47	09/12/12 12:41	AWS
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	09/05/12 12:23	09/10/12 18:30	AWS
Barium	ug/L	8.9	EPA 6020	0.50	0.18	09/05/12 12:23	09/10/12 18:30	AWS
Beryllium	ug/L	0.38 I	EPA 6010	1.0	0.096	09/06/12 10:27	09/10/12 22:08	VWC
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	09/05/12 12:23	09/10/12 18:30	AWS
Chromium	ug/L	0.83 I	EPA 6020	5.0	0.35	09/05/12 12:23	09/10/12 18:30	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	09/06/12 10:27	09/10/12 22:08	VWC
Copper	ug/L	0.13 U	EPA 6020	0.50	0.13	09/05/12 12:23	09/10/12 18:30	AWS
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	09/05/12 12:23	09/10/12 18:30	AWS
Nickel	ug/L	1.9 I	EPA 6020	5.0	0.46	09/05/12 12:23	09/10/12 18:30	AWS
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	09/12/12 10:47	09/12/12 12:41	AWS
Silver	ug/L	6.0 I	EPA 6010	20	1.1	09/06/12 10:27	09/10/12 22:08	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	09/05/12 12:23	09/10/12 18:30	AWS
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	09/06/12 10:27	09/10/12 22:08	VWC
Zinc	ug/L	6.3	EPA 6020	5.0	0.88	09/05/12 12:23	09/10/12 18:30	AWS



**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 18, 2012**  
**Work Order: 1209911**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		4MW-27 23451						
Matrix		Groundwater						
SAL Sample Number		1209911-02						
Date/Time Collected		08/29/12 13:54						
Collected by		Wilfred Martfeld						
Date/Time Received		08/31/12 10:45						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<u><b>Volatile Organic Compounds</b></u>								
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		09/05/12 19:41	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		09/05/12 19:41	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 19:41	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 19:41	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:41	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:41	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/05/12 19:41	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		09/05/12 19:41	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:41	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:41	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 19:41	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 19:41	JRW
Chloroform	ug/L	0.2 I	EPA 8260	0.8	0.2		09/05/12 19:41	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 19:41	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 19:41	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:41	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 19:41	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:41	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		09/05/12 19:41	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:41	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 19:41	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:41	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/05/12 19:41	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:41	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:41	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:41	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 19:41	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		09/05/12 19:41	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		09/05/12 19:41	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:41	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:41	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		09/05/12 19:41	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		09/05/12 19:41	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:41	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:41	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 19:41	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 18, 2012**  
**Work Order: 1209911**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>4MW-27 23451</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1209911-02</b>
Date/Time Collected	<b>08/29/12 13:54</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>08/31/12 10:45</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/05/12 19:41	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:41	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:41	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:41	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:41	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/05/12 19:41	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 19:41	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		09/05/12 19:41	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		09/05/12 19:41	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 19:41	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 19:41	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	09/12/12 16:11	09/12/12 23:16	BTJ
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	09/12/12 16:11	09/12/12 23:16	BTJ

### Metals

Antimony	ug/L	0.14 I	EPA 6020	0.50	0.071	09/12/12 10:47	09/12/12 12:49	AWS
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	09/05/12 12:23	09/10/12 18:50	AWS
Barium	ug/L	27	EPA 6020	0.50	0.18	09/05/12 12:23	09/10/12 18:50	AWS
Beryllium	ug/L	0.17 I	EPA 6010	1.0	0.096	09/06/12 10:27	09/10/12 22:12	VWC
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	09/05/12 12:23	09/10/12 18:50	AWS
Chromium	ug/L	0.96 I	EPA 6020	5.0	0.35	09/05/12 12:23	09/10/12 18:50	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	09/06/12 10:27	09/10/12 22:12	VWC
Copper	ug/L	0.51	EPA 6020	0.50	0.13	09/05/12 12:23	09/10/12 18:50	AWS
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	09/05/12 12:23	09/10/12 18:50	AWS
Nickel	ug/L	6.8	EPA 6020	5.0	0.46	09/05/12 12:23	09/10/12 18:50	AWS
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	09/12/12 10:47	09/12/12 12:49	AWS
Silver	ug/L	3.7 I	EPA 6010	20	1.1	09/06/12 10:27	09/10/12 22:12	VWC
Thallium	ug/L	0.44 I	EPA 6020	0.50	0.24	09/05/12 12:23	09/10/12 18:50	AWS
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	09/06/12 10:27	09/10/12 22:12	VWC
Zinc	ug/L	2.4 I	EPA 6020	5.0	0.88	09/05/12 12:23	09/10/12 18:50	AWS

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 18, 2012**  
**Work Order: 1209911**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		2MW-27D 23450						
Matrix		Groundwater						
SAL Sample Number		1209911-03						
Date/Time Collected		08/29/12 14:41						
Collected by		Wilfred Martfeld						
Date/Time Received		08/31/12 10:45						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<u><b>Volatile Organic Compounds</b></u>								
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		09/05/12 20:14	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		09/05/12 20:14	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 20:14	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 20:14	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:14	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:14	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/05/12 20:14	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		09/05/12 20:14	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:14	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:14	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 20:14	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 20:14	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:14	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 20:14	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 20:14	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:14	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 20:14	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:14	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		09/05/12 20:14	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:14	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 20:14	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:14	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/05/12 20:14	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:14	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:14	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:14	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 20:14	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		09/05/12 20:14	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		09/05/12 20:14	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:14	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:14	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		09/05/12 20:14	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		09/05/12 20:14	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:14	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:14	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 20:14	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 18, 2012**  
**Work Order: 1209911**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>2MW-27D 23450</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1209911-03</b>
Date/Time Collected	<b>08/29/12 14:41</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>08/31/12 10:45</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/05/12 20:14	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:14	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:14	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:14	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:14	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/05/12 20:14	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 20:14	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		09/05/12 20:14	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		09/05/12 20:14	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:14	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 20:14	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	09/12/12 16:11	09/12/12 23:38	BTJ
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	09/12/12 16:11	09/12/12 23:38	BTJ

### Metals

Antimony	ug/L	0.082 I	EPA 6020	0.50	0.071	09/12/12 10:47	09/12/12 12:52	AWS
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	09/05/12 12:23	09/10/12 18:56	AWS
Barium	ug/L	21	EPA 6020	0.50	0.18	09/05/12 12:23	09/10/12 18:56	AWS
Beryllium	ug/L	0.22 I	EPA 6010	1.0	0.096	09/06/12 10:27	09/10/12 22:15	VWC
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	09/05/12 12:23	09/10/12 18:56	AWS
Chromium	ug/L	0.90 I	EPA 6020	5.0	0.35	09/05/12 12:23	09/10/12 18:56	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	09/06/12 10:27	09/10/12 22:15	VWC
Copper	ug/L	0.58	EPA 6020	0.50	0.13	09/05/12 12:23	09/10/12 18:56	AWS
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	09/05/12 12:23	09/10/12 18:56	AWS
Nickel	ug/L	6.8	EPA 6020	5.0	0.46	09/05/12 12:23	09/10/12 18:56	AWS
Selenium	ug/L	1.0 I	EPA 6020	5.0	0.93	09/12/12 10:47	09/12/12 12:52	AWS
Silver	ug/L	2.7 I	EPA 6010	20	1.1	09/06/12 10:27	09/10/12 22:15	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	09/05/12 12:23	09/10/12 18:56	AWS
Vanadium	ug/L	23	EPA 6010	10	7.8	09/06/12 10:27	09/10/12 22:15	VWC
Zinc	ug/L	1.7 I	EPA 6020	5.0	0.88	09/05/12 12:23	09/10/12 18:56	AWS

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 18, 2012**  
**Work Order: 1209911**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		2MW-27S 23449						
Matrix		Groundwater						
SAL Sample Number		1209911-04						
Date/Time Collected		08/29/12 15:29						
Collected by		Wilfred Martfeld						
Date/Time Received		08/31/12 10:45						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<u>Volatile Organic Compounds</u>								
Acetone	ug/L	17	EPA 8260	4.0	2.0		09/05/12 20:47	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		09/05/12 20:47	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 20:47	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 20:47	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:47	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:47	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/05/12 20:47	JRW
2-Butanone	ug/L	52	EPA 8260	4.0	2.0		09/05/12 20:47	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:47	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:47	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 20:47	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 20:47	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:47	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 20:47	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 20:47	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:47	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 20:47	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:47	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		09/05/12 20:47	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:47	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 20:47	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:47	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/05/12 20:47	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:47	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:47	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:47	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 20:47	JRW
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		09/05/12 20:47	JRW
2-Hexanone	ug/L	19	EPA 8260	4.0	2.1		09/05/12 20:47	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:47	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:47	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		09/05/12 20:47	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		09/05/12 20:47	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:47	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:47	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 20:47	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 18, 2012**  
**Work Order: 1209911**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>2MW-27S 23449</b>
Matrix	<b>Groundwater</b>
SAL Sample Number	<b>1209911-04</b>
Date/Time Collected	<b>08/29/12 15:29</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>08/31/12 10:45</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		09/05/12 20:47	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:47	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:47	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:47	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:47	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		09/05/12 20:47	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		09/05/12 20:47	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		09/05/12 20:47	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		09/05/12 20:47	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		09/05/12 20:47	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		09/05/12 20:47	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0052 U	EPA 8011	0.021	0.0052	09/12/12 16:11	09/12/12 23:59	BTJ
1,2-Dibromoethane	ug/L	0.0052 U	EPA 8011	0.021	0.0052	09/12/12 16:11	09/12/12 23:59	BTJ

### Metals

Antimony	ug/L	0.071 U	EPA 6020	0.50	0.071	09/12/12 10:47	09/12/12 12:55	AWS
Arsenic	ug/L	11	EPA 6020	5.0	0.93	09/05/12 12:23	09/10/12 19:02	AWS
Barium	ug/L	40	EPA 6020	0.50	0.18	09/05/12 12:23	09/10/12 19:02	AWS
Beryllium	ug/L	0.36 I	EPA 6010	1.0	0.096	09/06/12 10:27	09/10/12 22:19	VWC
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	09/05/12 12:23	09/10/12 19:02	AWS
Chromium	ug/L	0.83 I	EPA 6020	5.0	0.35	09/05/12 12:23	09/10/12 19:02	AWS
Cobalt	ug/L	10 U	EPA 6010	100	10	09/06/12 10:27	09/10/12 22:19	VWC
Copper	ug/L	0.38 I	EPA 6020	0.50	0.13	09/05/12 12:23	09/10/12 19:02	AWS
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	09/05/12 12:23	09/10/12 19:02	AWS
Nickel	ug/L	6.6	EPA 6020	5.0	0.46	09/05/12 12:23	09/10/12 19:02	AWS
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	09/12/12 10:47	09/12/12 12:55	AWS
Silver	ug/L	4.8 I	EPA 6010	20	1.1	09/06/12 10:27	09/10/12 22:19	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	09/05/12 12:23	09/10/12 19:02	AWS
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	09/06/12 10:27	09/10/12 22:19	VWC
Zinc	ug/L	3.6 I	EPA 6020	5.0	0.88	09/05/12 12:23	09/10/12 19:02	AWS

Pasco County Environmental Laboratory  
8864 Government Drive  
New Port Richey, FL 34654

September 18, 2012  
Work Order: 1209911

## \* Qualifiers, Notes and Definitions

---

Results followed by a "U" indicate that the sample was analyzed but the compound was not detected. Results followed by "I" indicate that the reported value is between the laboratory method detection limits and the laboratory practical quantitation limit.

A statement of estimated uncertainty of test results is available upon request.

For methods marked with \*\*, all QC criteria have been met for this method which is equivalent to a SAL certified method.

Test results in this report meet all the requirements of the NELAC standards. Any applicable qualifiers are shown below. Questions regarding this report should be directed to Client Services at 813-855-1844.

J0 Surrogate recovery was outside control limits.

A handwritten signature in black ink, appearing to read "Francis I. Daniels".



**SOUTHERN ANALYTICAL LABORATORIES, INC.**  
110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

**SAL Project No.**

12099111

[illegible]Chain of Custody.xls  
Rev Date 11/19/01

## Chain of Custody

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 12, 2012**  
**Work Order: 1209142**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		SW-1 PRIMARY 2456						
Matrix		Other aqueous						
SAL Sample Number		1209142-01						
Date/Time Collected		08/13/12 11:00						
Collected by		Wilfred Martfeld						
Date/Time Received		08/15/12 14:00						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<u>Volatile Organic Compounds</u>								
Acetone	ug/L	31	EPA 8260	4.0	2.0		08/17/12 14:38	JRW
Acetonitrile	ug/L	2.1 U	EPA 8260	4.0	2.1		08/17/12 14:38	JRW
Acrolein	ug/L	1.2 U	EPA 8260	4.0	1.2		08/17/12 14:38	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		08/17/12 14:38	JRW
Allyl chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
Benzene	ug/L	2.3	EPA 8260	0.8	0.1		08/17/12 14:38	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 14:38	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/17/12 14:38	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/17/12 14:38	JRW
Carbon disulfide	ug/L	0.3 I	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
Chlorobenzene	ug/L	1.9	EPA 8260	0.8	0.1		08/17/12 14:38	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 14:38	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 14:38	JRW
Chloroprene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 14:38	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 14:38	JRW
1,3-Dichlorobenzene	ug/L	0.07 U	EPA 8260	0.8	0.07		08/17/12 14:38	JRW
1,4-Dichlorobenzene	ug/L	1.7	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		08/17/12 14:38	JRW
Dichlorodifluoromethane	ug/L	0.5 U	EPA 8260	1.6	0.5		08/17/12 14:38	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 14:38	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/17/12 14:38	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
1,3-Dichloropropane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 14:38	JRW
2,2-Dichloropropane	ug/L	0.3 U	EPA 8260	0.8	0.3		08/17/12 14:38	JRW
1,1-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 14:38	JRW

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 12, 2012**  
**Work Order: 1209142**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>SW-1 PRIMARY 2456</b>
Matrix	<b>Other aqueous</b>
SAL Sample Number	<b>1209142-01</b>
Date/Time Collected	<b>08/13/12 11:00</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>08/15/12 14:00</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Ethylbenzene	ug/L	0.5 I	EPA 8260	0.8	0.08		08/17/12 14:38	JRW
Ethyl Methacrylate	ug/L	0.3 U	EPA 8260	0.8	0.3		08/17/12 14:38	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		08/17/12 14:38	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
Isobutyl alcohol	ug/L	14 U	EPA 8260	20	14		08/17/12 14:38	JRW
Methacrylonitrile	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
Methyl methacrylate	ug/L	0.3 U	EPA 8260	0.8	0.3		08/17/12 14:38	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		08/17/12 14:38	JRW
Propionitrile	ug/L	2.2 U	EPA 8260	4.0	2.2		08/17/12 14:38	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		08/17/12 14:38	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 14:38	JRW
Toluene	ug/L	0.3 I	EPA 8260	0.8	0.09		08/17/12 14:38	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/17/12 14:38	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 14:38	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		08/17/12 14:38	JRW
Xylene-m,p	ug/L	1.5 I	EPA 8260	1.6	0.2		08/17/12 14:38	JRW
Xylene-o	ug/L	1.0	EPA 8260	0.8	0.2		08/17/12 14:38	JRW
Xylenes- Total	ug/L	2.5	EPA 8260	0.8	0.1		08/17/12 14:38	JRW

### Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0057 U	EPA 8011	0.023	0.0057	08/16/12 15:19	08/17/12 06:13	BTJ
1,2-Dibromoethane	ug/L	0.0057 U	EPA 8011	0.023	0.0057	08/16/12 15:19	08/17/12 06:13	BTJ

### OrganoChlorine Pesticides

Aldrin	ug/L	0.005 U	EPA 8081	0.043	0.005	08/20/12 13:26	08/30/12 08:13	JKS
alpha-BHC	ug/L	0.009 U	EPA 8081	0.043	0.009	08/20/12 13:26	08/30/12 08:13	JKS
beta-BHC	ug/L	0.008 U	EPA 8081	0.043	0.008	08/20/12 13:26	08/30/12 08:13	JKS
delta-BHC	ug/L	0.006 U	EPA 8081	0.043	0.006	08/20/12 13:26	08/30/12 08:13	JKS
gamma-BHC	ug/L	0.009 U	EPA 8081	0.043	0.009	08/20/12 13:26	08/30/12 08:13	JKS
Chlordane	ug/L	0.054 U	EPA 8081	0.11	0.054	08/20/12 13:26	08/30/12 08:13	JKS
4,4'-DDD	ug/L	0.011 U	EPA 8081	0.043	0.011	08/20/12 13:26	08/30/12 08:13	JKS

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 12, 2012**  
**Work Order: 1209142**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		SW-1 PRIMARY 2456						
Matrix		Other aqueous						
SAL Sample Number		1209142-01						
Date/Time Collected		08/13/12 11:00						
Collected by		Wilfred Martfeld						
Date/Time Received		08/15/12 14:00						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
4,4'-DDE	ug/L	0.008 U	EPA 8081	0.043	0.008	08/20/12 13:26	08/30/12 08:13	JKS
4,4'-DDT	ug/L	0.010 U	EPA 8081	0.043	0.010	08/20/12 13:26	08/30/12 08:13	JKS
Dieldrin	ug/L	0.010 U	EPA 8081	0.043	0.010	08/20/12 13:26	08/30/12 08:13	JKS
Endosulfan I	ug/L	0.010 U	EPA 8081	0.043	0.010	08/20/12 13:26	08/30/12 08:13	JKS
Endosulfan II	ug/L	0.009 U	EPA 8081	0.043	0.009	08/20/12 13:26	08/30/12 08:13	JKS
Endosulfan sulfate	ug/L	0.010 U	EPA 8081	0.043	0.010	08/20/12 13:26	08/30/12 08:13	JKS
Endrin	ug/L	0.011 U	EPA 8081	0.043	0.011	08/20/12 13:26	08/30/12 08:13	JKS
Endrin Aldehyde	ug/L	0.011 U	EPA 8081	0.043	0.011	08/20/12 13:26	08/30/12 08:13	JKS
Endrin ketone	ug/L	0.006 U	EPA 8081	0.043	0.006	08/20/12 13:26	08/30/12 08:13	JKS
Heptachlor	ug/L	0.008 U	EPA 8081	0.043	0.008	08/20/12 13:26	08/30/12 08:13	JKS
Heptachlor epoxide	ug/L	0.010 U	EPA 8081	0.043	0.010	08/20/12 13:26	08/30/12 08:13	JKS
Methoxychlor	ug/L	0.051 U	EPA 8081	0.17	0.051	08/20/12 13:26	08/30/12 08:13	JKS
Toxaphene	ug/L	0.14 U	EPA 8081	0.54	0.14	08/20/12 13:26	08/30/12 08:13	JKS
Chlorinated Herbicides								
2,4-D	ug/L	0.36 U	EPA 8321	0.56	0.36	08/19/12 12:37	09/04/12 03:29	JKS
2,4,5-T	ug/L	0.28 U	EPA 8321	0.56	0.28	08/19/12 12:37	09/04/12 03:29	JKS
2,4,5-TP	ug/L	0.16 U	EPA 8321	0.56	0.16	08/19/12 12:37	09/04/12 03:29	JKS
Dinoseb	ug/L	0.41 U	EPA 8321	0.56	0.41	08/19/12 12:37	09/04/12 03:29	JKS
Polychlorinated Biphenyls (PCBs)								
PCB-1016	ug/L	0.071 U	EPA 8082	0.216	0.071	08/20/12 14:12	09/02/12 14:44	JKS
PCB-1221	ug/L	0.076 U	EPA 8082	0.216	0.076	08/20/12 14:12	09/02/12 14:44	JKS
PCB-1232	ug/L	0.076 U	EPA 8082	0.216	0.076	08/20/12 14:12	09/02/12 14:44	JKS
PCB-1242	ug/L	0.071 U	EPA 8082	0.216	0.071	08/20/12 14:12	09/02/12 14:44	JKS
PCB-1248	ug/L	0.076 U	EPA 8082	0.216	0.076	08/20/12 14:12	09/02/12 14:44	JKS
PCB-1254	ug/L	0.076 U	EPA 8082	0.216	0.076	08/20/12 14:12	09/02/12 14:44	JKS
PCB-1260	ug/L	0.069 U	EPA 8082	0.216	0.069	08/20/12 14:12	09/02/12 14:44	JKS
Base/Neutral and Acid Extractable Organic Compounds								
Acenaphthene	ug/L	0.020 U	EPA 8270	0.022	0.020	08/17/12 10:51	08/28/12 03:43	BTJ
Acenaphthylene	ug/L	0.003 U	EPA 8270	0.022	0.003	08/17/12 10:51	08/28/12 03:43	BTJ
Anthracene	ug/L	0.037	EPA 8270	0.022	0.005	08/17/12 10:51	08/28/12 03:43	BTJ
Benzo(a)anthracene	ug/L	0.002 U	EPA 8270	0.022	0.002	08/17/12 10:51	08/28/12 03:43	BTJ
Benzo(b)fluoranthene	ug/L	0.003 U	EPA 8270	0.022	0.003	08/17/12 10:51	08/28/12 03:43	BTJ
Benzo(k)fluoranthene	ug/L	0.003 U	EPA 8270	0.022	0.003	08/17/12 10:51	08/28/12 03:43	BTJ
Benzo(g,h,i)perylene	ug/L	0.010 U	EPA 8270	0.022	0.010	08/17/12 10:51	08/28/12 03:43	BTJ
Benzo(a)pyrene	ug/L	0.004 U	EPA 8270	0.022	0.004	08/17/12 10:51	08/28/12 03:43	BTJ
1,2,4,5-Tetrachlorobenzene	ug/L	0.04 U	EPA 8270**	0.5	0.04	08/17/12 10:51	08/31/12 10:35	BTJ

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 12, 2012**  
**Work Order: 1209142**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY							
Sample Description		SW-1 PRIMARY 2456							
Matrix		Other aqueous							
SAL Sample Number		1209142-01							
Date/Time Collected		08/13/12 11:00							
Collected by		Wilfred Martfeld							
Date/Time Received		08/15/12 14:00							
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By	
1,2,4-Trichlorobenzene	ug/L	0.05 U	EPA 8270**	0.5	0.05	08/17/12 10:51	08/31/12 10:35	BTJ	
1,3-Dinitrobenzene	ug/L	0.07 U	EPA 8270**	0.5	0.07	08/17/12 10:51	08/31/12 10:35	BTJ	
1,4-Naphthoquinone	ug/L	0.3 U	EPA 8270**	2	0.3	08/17/12 10:51	08/31/12 10:35	BTJ	
1,4-Phenylenediamine	ug/L	0.3 U	EPA 8270**	5	0.3	08/17/12 10:51	08/31/12 10:35	BTJ	
1-Naphthylamine	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 10:35	BTJ	
2,3,4,6-Tetrachlorophenol	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 10:35	BTJ	
2,4,5-Trichlorophenol	ug/L	0.04 U	EPA 8270**	0.5	0.04	08/17/12 10:51	08/31/12 10:35	BTJ	
2,4,6-Trichlorophenol	ug/L	0.06 U	EPA 8270	0.5	0.06	08/17/12 10:51	08/31/12 10:35	BTJ	
2,4-Dichlorophenol	ug/L	0.06 U	EPA 8270	0.5	0.06	08/17/12 10:51	08/31/12 10:35	BTJ	
2,4-Dimethylphenol	ug/L	0.5 U	EPA 8270	2	0.5	08/17/12 10:51	08/31/12 10:35	BTJ	
2,4-Dinitrophenol	ug/L	2 U	EPA 8270	5	2	08/17/12 10:51	08/31/12 10:35	BTJ	
2,4-Dinitrotoluene	ug/L	0.05 U	EPA 8270**	0.5	0.05	08/17/12 10:51	08/31/12 10:35	BTJ	
2,6-Dinitrotoluene	ug/L	0.08 U	EPA 8270	0.5	0.08	08/17/12 10:51	08/31/12 10:35	BTJ	
2-Acetylaminofluorene	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 10:35	BTJ	
2-Chloronaphthalene	ug/L	0.04 U	EPA 8270	0.5	0.04	08/17/12 10:51	08/31/12 10:35	BTJ	
2-Chlorophenol	ug/L	0.06 U	EPA 8270	0.5	0.06	08/17/12 10:51	08/31/12 10:35	BTJ	
2-Methylphenol	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 10:35	BTJ	
2,6-Dichlorophenol	ug/L	0.07 U	EPA 8270**	0.5	0.07	08/17/12 10:51	08/31/12 10:35	BTJ	
2-Naphthylamine	ug/L	0.2 U	EPA 8270**	0.5	0.2	08/17/12 10:51	08/31/12 10:35	BTJ	
2-Nitroaniline	ug/L	0.04 U	EPA 8270**	0.5	0.04	08/17/12 10:51	08/31/12 10:35	BTJ	
1,3,5-Trinitrobenzene	ug/L	0.2 U	EPA 8270**	2	0.2	08/17/12 10:51	08/31/12 10:35	BTJ	
2-Nitrophenol	ug/L	0.07 U	EPA 8270	0.5	0.07	08/17/12 10:51	08/31/12 10:35	BTJ	
o-Toluidine	ug/L	3	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 10:35	BTJ	
3,3-Dichlorobenzidine	ug/L	0.3 U	EPA 8270	0.5	0.3	08/17/12 10:51	08/31/12 10:35	BTJ	
3,3'-Dimethylbenzidine	ug/L	0.3 U	EPA 8270**	2	0.3	08/17/12 10:51	08/31/12 10:35	BTJ	
3/4-Methylphenol	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 10:35	BTJ	
3-Methylcholanthrene	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 10:35	BTJ	
3-Nitroaniline	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 10:35	BTJ	
4,6-Dinitro-2-methylphenol	ug/L	0.2 U	EPA 8270	2	0.2	08/17/12 10:51	08/31/12 10:35	BTJ	
4-Aminobiphenyl	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 10:35	BTJ	
4-Bromophenyl phenyl ether	ug/L	0.1 U	EPA 8270	0.5	0.1	08/17/12 10:51	08/31/12 10:35	BTJ	
4-Chloro-3-methylphenol	ug/L	0.05 U	EPA 8270	0.5	0.05	08/17/12 10:51	08/31/12 10:35	BTJ	
4-Chloroaniline	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 10:35	BTJ	
4-Chlorophenyl phenyl ether	ug/L	0.07 U	EPA 8270	0.5	0.07	08/17/12 10:51	08/31/12 10:35	BTJ	
4-Nitroaniline	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 10:35	BTJ	
4-Nitrophenol	ug/L	0.1 U	EPA 8270	2	0.1	08/17/12 10:51	08/31/12 10:35	BTJ	
5-Nitro-o-toluidine	ug/L	0.04 U	EPA 8270**	0.5	0.04	08/17/12 10:51	08/31/12 10:35	BTJ	

Pasco County Environmental Laboratory  
 8864 Government Drive  
 New Port Richey, FL 34654

September 12, 2012  
 Work Order: 1209142

### Laboratory Report

#### Project Name PASCO COUNTY RESOURCE RECOVERY

Sample Description **SW-1 PRIMARY 2456**  
 Matrix **Other aqueous**  
 SAL Sample Number **1209142-01**  
 Date/Time Collected **08/13/12 11:00**  
 Collected by **Wilfred Martfeld**  
 Date/Time Received **08/15/12 14:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
7,12-Dimethylbenz(a)anthracene	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 10:35	BTJ
Acetophenone	ug/L	0.4 I,V	EPA 8270**	0.5	0.05	08/17/12 10:51	08/31/12 10:35	BTJ
Benzyl alcohol	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 10:35	BTJ
Bis(2-chloroethoxy)methane	ug/L	0.07 U	EPA 8270	0.5	0.07	08/17/12 10:51	08/31/12 10:35	BTJ
Bis(2-chloroethyl)ether	ug/L	0.07 U	EPA 8270	0.5	0.07	08/17/12 10:51	08/31/12 10:35	BTJ
Bis(2-chloroisopropyl) ether	ug/L	0.06 U	EPA 8270	0.5	0.06	08/17/12 10:51	08/31/12 10:35	BTJ
Bis(2-ethylhexyl)phthalate	ug/L	13	EPA 8270	2	0.6	08/17/12 10:51	08/31/12 10:35	BTJ
Butyl benzyl phthalate	ug/L	0.1 U	EPA 8270	0.5	0.1	08/17/12 10:51	08/31/12 10:35	BTJ
Chlorobenzilate	ug/L	0.2 U	EPA 8270**	2	0.2	08/17/12 10:51	08/31/12 10:35	BTJ
Diallate	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 10:35	BTJ
Dibenzofuran	ug/L	0.04 U	EPA 8270**	0.5	0.04	08/17/12 10:51	08/31/12 10:35	BTJ
Chrysene	ug/L	0.004 U	EPA 8270	0.022	0.004	08/17/12 10:51	08/28/12 03:43	BTJ
Diethyl phthalate	ug/L	0.7	EPA 8270	0.5	0.1	08/17/12 10:51	08/31/12 10:35	BTJ
Dimethoate	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 10:35	BTJ
Dimethylphthalate	ug/L	2	EPA 8270	2	0.2	08/17/12 10:51	08/31/12 10:35	BTJ
Di-n-butyl phthalate	ug/L	2 V	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 10:35	BTJ
Di-n-octylphthalate	ug/L	0.1 U	EPA 8270	0.5	0.1	08/17/12 10:51	08/31/12 10:35	BTJ
Diphenylamine	ug/L	0.09 U	EPA 8270**	0.5	0.09	08/17/12 10:51	08/31/12 10:35	BTJ
Disulfoton	ug/L	0.04 U	EPA 8270**	0.5	0.04	08/17/12 10:51	08/31/12 10:35	BTJ
Ethyl Methanesulfonate	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 10:35	BTJ
Famphur	ug/L	0.09 U	EPA 8270**	0.5	0.09	08/17/12 10:51	08/31/12 10:35	BTJ
Hexachlorobenzene	ug/L	0.08 U	EPA 8270	0.5	0.08	08/17/12 10:51	08/31/12 10:35	BTJ
Hexachlorobutadiene	ug/L	0.05 U	EPA 8270	0.5	0.05	08/17/12 10:51	08/31/12 10:35	BTJ
Hexachlorocyclopentadiene	ug/L	0.05 U	EPA 8270	0.5	0.05	08/17/12 10:51	08/31/12 10:35	BTJ
Hexachloroethane	ug/L	0.08 U	EPA 8270	0.5	0.08	08/17/12 10:51	08/31/12 10:35	BTJ
Hexachloropropene	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 10:35	BTJ
Isodrin	ug/L	0.07 U	EPA 8270**	0.5	0.07	08/17/12 10:51	08/31/12 10:35	BTJ
Isophorone	ug/L	0.05 U	EPA 8270	0.5	0.05	08/17/12 10:51	08/31/12 10:35	BTJ
Isosafrole	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 10:35	BTJ
Kepone	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 10:35	BTJ
Methapyrilene	ug/L	0.8 U	EPA 8270**	2	0.8	08/17/12 10:51	08/31/12 10:35	BTJ
Methyl Methanesulfonate	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 10:35	BTJ
Nitrobenzene	ug/L	0.08 U	EPA 8270	0.5	0.08	08/17/12 10:51	08/31/12 10:35	BTJ
N-Nitrosodibutylamine	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 10:35	BTJ
N-Nitrosodiethylamine	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 10:35	BTJ
N-Nitrosodimethylamine	ug/L	0.09 U	EPA 8270	0.5	0.09	08/17/12 10:51	08/31/12 10:35	BTJ
N-Nitrosodi-n-propylamine	ug/L	0.07 U,J4	EPA 8270**	0.5	0.07	08/17/12 10:51	08/31/12 10:35	BTJ



**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 12, 2012**  
**Work Order: 1209142**

## Laboratory Report

---

<b>Project Name</b>	<b>PASCO COUNTY RESOURCE RECOVERY</b>
---------------------	---------------------------------------

---

Sample Description	<b>SW-1 PRIMARY 2456</b>
Matrix	<b>Other aqueous</b>
SAL Sample Number	<b>1209142-01</b>
Date/Time Collected	<b>08/13/12 11:00</b>
Collected by	<b>Wilfred Martfeld</b>
Date/Time Received	<b>08/15/12 14:00</b>

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
N-Nitrosodiphenylamine	ug/L	0.2 U	EPA 8270	0.5	0.2	08/17/12 10:51	08/31/12 10:35	BTJ
N-Nitrosomethylethylamine	ug/L	0.2 U	EPA 8270**	0.5	0.2	08/17/12 10:51	08/31/12 10:35	BTJ
N-Nitrosopiperidine	ug/L	0.09 U	EPA 8270**	0.5	0.09	08/17/12 10:51	08/31/12 10:35	BTJ
N-Nitrosopyrrolidine	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 10:35	BTJ
O,O,O-Triethyl phosphorothioate	ug/L	0.09 U	EPA 8270**	0.5	0.09	08/17/12 10:51	08/31/12 10:35	BTJ
Parathion	ug/L	0.09 U	EPA 8270**	0.5	0.09	08/17/12 10:51	08/31/12 10:35	BTJ
Parathion,methyl	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 10:35	BTJ
p-Dimethylaminoazobenzene	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 10:35	BTJ
Pentachlorobenzene	ug/L	0.07 U	EPA 8270**	0.5	0.07	08/17/12 10:51	08/31/12 10:35	BTJ
Pentachloronitrobenzene	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 10:35	BTJ
Pentachlorophenol	ug/L	0.4 U	EPA 8270	2	0.4	08/17/12 10:51	08/31/12 10:35	BTJ
Dibenzo(a,h)anthracene	ug/L	0.010 U	EPA 8270	0.022	0.010	08/17/12 10:51	08/28/12 03:43	BTJ
Phenacetin	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 10:35	BTJ
Phenol	ug/L	0.5	EPA 8270	0.5	0.05	08/17/12 10:51	08/31/12 10:35	BTJ
Phentermine	ug/L	3 U	EPA 8270**	11	3	08/17/12 10:51	08/31/12 10:35	BTJ
Phorate	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 10:35	BTJ
Pronamide	ug/L	0.07 U	EPA 8270**	0.5	0.07	08/17/12 10:51	08/31/12 10:35	BTJ
Safrole	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 10:35	BTJ
Thionazin	ug/L	0.09 U	EPA 8270**	0.5	0.09	08/17/12 10:51	08/31/12 10:35	BTJ
Fluoranthene	ug/L	0.012 I	EPA 8270	0.022	0.002	08/17/12 10:51	08/28/12 03:43	BTJ
Fluorene	ug/L	0.004 U	EPA 8270	0.022	0.004	08/17/12 10:51	08/28/12 03:43	BTJ
Indeno(1,2,3-cd)pyrene	ug/L	0.007 U	EPA 8270	0.022	0.007	08/17/12 10:51	08/28/12 03:43	BTJ
1-Methylnaphthalene	ug/L	0.37	EPA 8270**	0.022	0.003	08/17/12 10:51	08/28/12 03:43	BTJ
2-Methylnaphthalene	ug/L	0.65	EPA 8270	0.022	0.005	08/17/12 10:51	08/28/12 03:43	BTJ
Naphthalene	ug/L	2.9	EPA 8270	0.022	0.013	08/17/12 10:51	08/28/12 03:43	BTJ
Phenanthrene	ug/L	0.032	EPA 8270	0.022	0.002	08/17/12 10:51	08/28/12 03:43	BTJ
Pyrene	ug/L	0.016 I	EPA 8270	0.022	0.002	08/17/12 10:51	08/28/12 03:43	BTJ

### Inorganics

Cyanide	mg/L	0.0054 U	SM 4500CN-E	0.020	0.0054	08/17/12 10:15	08/17/12 12:45	CDB
Phenolics	mg/L	0.24	EPA 420.1	0.080	0.0050	08/20/12 09:02	08/20/12 16:40	CDB
Sulfide	mg/L	1.3	SM 4500SF	0.40	0.10	08/20/12 10:05	08/20/12 14:05	MEJ

### Metals

Antimony	ug/L	0.51	EPA 6020	0.50	0.071	08/17/12 08:00	08/22/12 11:57	VWC
Arsenic	ug/L	8.7	EPA 6020	5.0	0.93	08/17/12 09:44	08/17/12 17:00	VWC
Barium	ug/L	53	EPA 6020	0.50	0.18	08/17/12 09:44	08/17/12 17:00	VWC
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	08/20/12 10:55	08/21/12 16:24	VWC



**Pasco County Environmental Laboratory****8864 Government Drive****New Port Richey, FL 34654****September 12, 2012****Work Order: 1209142****Laboratory Report****Project Name PASCO COUNTY RESOURCE RECOVERY**

Sample Description **SW-1 PRIMARY 2456**  
Matrix **Other aqueous**  
SAL Sample Number **1209142-01**  
Date/Time Collected **08/13/12 11:00**  
Collected by **Wilfred Martfeld**  
Date/Time Received **08/15/12 14:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	08/17/12 09:44	08/17/12 17:00	VWC
Chromium	ug/L	9.4	EPA 6020	5.0	0.35	08/17/12 09:44	08/17/12 17:00	VWC
Cobalt	ug/L	12 I	EPA 6010	100	10	08/20/12 10:55	08/21/12 16:24	VWC
Copper	ug/L	0.83	EPA 6020	0.50	0.13	08/17/12 09:44	08/17/12 17:00	VWC
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	08/17/12 09:44	08/17/12 17:00	VWC
Mercury	mg/L	0.00010 U	EPA 7470	0.00050	0.00010	08/17/12 11:44	08/17/12 16:20	VWC
Nickel	ug/L	37	EPA 6020	5.0	0.46	08/17/12 09:44	08/17/12 17:00	VWC
Selenium	ug/L	12	EPA 6020	5.0	0.93	08/17/12 08:00	08/17/12 17:00	VWC
Silver	mg/L	0.000069 U	EPA 6020	0.00050	0.000069	08/17/12 09:44	08/17/12 17:00	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	08/17/12 09:44	08/17/12 17:00	VWC
Tin	mg/L	0.10 U	EPA 6010	0.50	0.10	08/20/12 10:55	08/21/12 16:24	VWC
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	08/20/12 10:55	08/21/12 16:24	VWC
Zinc	ug/L	3.3 I	EPA 6020	5.0	0.88	08/17/12 09:44	08/17/12 17:00	VWC

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 12, 2012**  
**Work Order: 1209142**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		SW-1 SECONDARY 2457						
Matrix		Other aqueous						
SAL Sample Number		1209142-02						
Date/Time Collected		08/13/12 12:00						
Collected by		Wilfred Martfeld						
Date/Time Received		08/15/12 14:00						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
<b><u>Volatile Organic Compounds</u></b>								
Acetone	ug/L	15	EPA 8260	4.0	2.0		08/17/12 15:11	JRW
Acetonitrile	ug/L	2.1 U	EPA 8260	4.0	2.1		08/17/12 15:11	JRW
Acrolein	ug/L	1.2 U	EPA 8260	4.0	1.2		08/17/12 15:11	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		08/17/12 15:11	JRW
Allyl chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
Benzene	ug/L	0.6 I	EPA 8260	0.8	0.1		08/17/12 15:11	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 15:11	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/17/12 15:11	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/17/12 15:11	JRW
Carbon disulfide	ug/L	0.2 I	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
Chlorobenzene	ug/L	0.2 I	EPA 8260	0.8	0.1		08/17/12 15:11	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 15:11	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 15:11	JRW
Chloroprene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 15:11	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 15:11	JRW
1,3-Dichlorobenzene	ug/L	0.07 U	EPA 8260	0.8	0.07		08/17/12 15:11	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		08/17/12 15:11	JRW
Dichlorodifluoromethane	ug/L	0.5 U	EPA 8260	1.6	0.5		08/17/12 15:11	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 15:11	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/17/12 15:11	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
1,3-Dichloropropane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 15:11	JRW
2,2-Dichloropropane	ug/L	0.3 U	EPA 8260	0.8	0.3		08/17/12 15:11	JRW
1,1-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 15:11	JRW

Pasco County Environmental Laboratory

8864 Government Drive

New Port Richey, FL 34654

September 12, 2012

Work Order: 1209142

## Laboratory Report

## Project Name PASCO COUNTY RESOURCE RECOVERY

Sample Description SW-1 SECONDARY 2457  
 Matrix Other aqueous  
 SAL Sample Number 1209142-02  
 Date/Time Collected 08/13/12 12:00  
 Collected by Wilfred Martfeld  
 Date/Time Received 08/15/12 14:00

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Ethylbenzene	ug/L	0.09 I	EPA 8260	0.8	0.08		08/17/12 15:11	JRW
Ethyl Methacrylate	ug/L	0.3 U	EPA 8260	0.8	0.3		08/17/12 15:11	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		08/17/12 15:11	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
Isobutyl alcohol	ug/L	14 U	EPA 8260	20	14		08/17/12 15:11	JRW
Methacrylonitrile	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
Methyl methacrylate	ug/L	0.3 U	EPA 8260	0.8	0.3		08/17/12 15:11	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		08/17/12 15:11	JRW
Propionitrile	ug/L	2.2 U	EPA 8260	4.0	2.2		08/17/12 15:11	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		08/17/12 15:11	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 15:11	JRW
Toluene	ug/L	0.2 I	EPA 8260	0.8	0.09		08/17/12 15:11	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/17/12 15:11	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 15:11	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		08/17/12 15:11	JRW
Xylene-m,p	ug/L	0.4 I	EPA 8260	1.6	0.2		08/17/12 15:11	JRW
Xylene-o	ug/L	0.4 I	EPA 8260	0.8	0.2		08/17/12 15:11	JRW
Xylenes- Total	ug/L	0.8	EPA 8260	0.8	0.1		08/17/12 15:11	JRW

**Pesticide Analyses**

1,2-Dibromo-3-chloropropane	ug/L	0.0058 U	EPA 8011	0.023	0.0058	08/16/12 15:19	08/17/12 06:57	BTJ
1,2-Dibromoethane	ug/L	0.0058 U	EPA 8011	0.023	0.0058	08/16/12 15:19	08/17/12 06:57	BTJ

**OrganoChlorine Pesticides**

Aldrin	ug/L	0.005 U	EPA 8081	0.043	0.005	08/20/12 13:26	08/30/12 08:39	JKS
alpha-BHC	ug/L	0.009 U	EPA 8081	0.043	0.009	08/20/12 13:26	08/30/12 08:39	JKS
beta-BHC	ug/L	0.008 U	EPA 8081	0.043	0.008	08/20/12 13:26	08/30/12 08:39	JKS
delta-BHC	ug/L	0.006 U	EPA 8081	0.043	0.006	08/20/12 13:26	08/30/12 08:39	JKS
gamma-BHC	ug/L	0.009 U	EPA 8081	0.043	0.009	08/20/12 13:26	08/30/12 08:39	JKS
Chlordane	ug/L	0.053 U	EPA 8081	0.11	0.053	08/20/12 13:26	08/30/12 08:39	JKS
4,4'-DDD	ug/L	0.010 U	EPA 8081	0.043	0.010	08/20/12 13:26	08/30/12 08:39	JKS

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 12, 2012**  
**Work Order: 1209142**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		SW-1 SECONDARY 2457						
Matrix		Other aqueous						
SAL Sample Number		1209142-02						
Date/Time Collected		08/13/12 12:00						
Collected by		Wilfred Martfeld						
Date/Time Received		08/15/12 14:00						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
4,4'-DDE	ug/L	0.007 U	EPA 8081	0.043	0.007	08/20/12 13:26	08/30/12 08:39	JKS
4,4'-DDT	ug/L	0.010 U	EPA 8081	0.043	0.010	08/20/12 13:26	08/30/12 08:39	JKS
Dieldrin	ug/L	0.010 U	EPA 8081	0.043	0.010	08/20/12 13:26	08/30/12 08:39	JKS
Endosulfan I	ug/L	0.010 U	EPA 8081	0.043	0.010	08/20/12 13:26	08/30/12 08:39	JKS
Endosulfan II	ug/L	0.009 U	EPA 8081	0.043	0.009	08/20/12 13:26	08/30/12 08:39	JKS
Endosulfan sulfate	ug/L	0.010 U	EPA 8081	0.043	0.010	08/20/12 13:26	08/30/12 08:39	JKS
Endrin	ug/L	0.011 U	EPA 8081	0.043	0.011	08/20/12 13:26	08/30/12 08:39	JKS
Endrin Aldehyde	ug/L	0.010 U	EPA 8081	0.043	0.010	08/20/12 13:26	08/30/12 08:39	JKS
Endrin ketone	ug/L	0.006 U	EPA 8081	0.043	0.006	08/20/12 13:26	08/30/12 08:39	JKS
Heptachlor	ug/L	0.008 U	EPA 8081	0.043	0.008	08/20/12 13:26	08/30/12 08:39	JKS
Heptachlor epoxide	ug/L	0.010 U	EPA 8081	0.043	0.010	08/20/12 13:26	08/30/12 08:39	JKS
Methoxychlor	ug/L	0.050 U	EPA 8081	0.17	0.050	08/20/12 13:26	08/30/12 08:39	JKS
Toxaphene	ug/L	0.14 U	EPA 8081	0.53	0.14	08/20/12 13:26	08/30/12 08:39	JKS
<b><u>Chlorinated Herbicides</u></b>								
2,4-D	ug/L	0.34 U	EPA 8321	0.53	0.34	08/19/12 12:37	09/04/12 04:15	JKS
2,4,5-T	ug/L	0.26 U	EPA 8321	0.53	0.26	08/19/12 12:37	09/04/12 04:15	JKS
2,4,5-TP	ug/L	0.15 U	EPA 8321	0.53	0.15	08/19/12 12:37	09/04/12 04:15	JKS
Dinoseb	ug/L	0.39 U	EPA 8321	0.53	0.39	08/19/12 12:37	09/04/12 04:15	JKS
<b><u>Polychlorinated Biphenyls (PCBs)</u></b>								
PCB-1016	ug/L	0.070 U	EPA 8082	0.213	0.070	08/20/12 14:12	09/02/12 15:09	JKS
PCB-1221	ug/L	0.074 U	EPA 8082	0.213	0.074	08/20/12 14:12	09/02/12 15:09	JKS
PCB-1232	ug/L	0.074 U	EPA 8082	0.213	0.074	08/20/12 14:12	09/02/12 15:09	JKS
PCB-1242	ug/L	0.070 U	EPA 8082	0.213	0.070	08/20/12 14:12	09/02/12 15:09	JKS
PCB-1248	ug/L	0.074 U	EPA 8082	0.213	0.074	08/20/12 14:12	09/02/12 15:09	JKS
PCB-1254	ug/L	0.074 U	EPA 8082	0.213	0.074	08/20/12 14:12	09/02/12 15:09	JKS
PCB-1260	ug/L	0.068 U	EPA 8082	0.213	0.068	08/20/12 14:12	09/02/12 15:09	JKS
<b><u>Base/Neutral and Acid Extractable Organic Compounds</u></b>								
Acenaphthene	ug/L	0.020 U	EPA 8270	0.021	0.020	08/17/12 10:51	08/28/12 04:13	BTJ
Acenaphthylene	ug/L	0.003 U	EPA 8270	0.021	0.003	08/17/12 10:51	08/28/12 04:13	BTJ
Anthracene	ug/L	0.033	EPA 8270	0.021	0.004	08/17/12 10:51	08/28/12 04:13	BTJ
Benzo(a)anthracene	ug/L	0.002 U	EPA 8270	0.021	0.002	08/17/12 10:51	08/28/12 04:13	BTJ
Benzo(b)fluoranthene	ug/L	0.003 U	EPA 8270	0.021	0.003	08/17/12 10:51	08/28/12 04:13	BTJ
Benzo(k)fluoranthene	ug/L	0.003 U	EPA 8270	0.021	0.003	08/17/12 10:51	08/28/12 04:13	BTJ
Benzo(g,h,i)perylene	ug/L	0.010 U	EPA 8270	0.021	0.010	08/17/12 10:51	08/28/12 04:13	BTJ
Benzo(a)pyrene	ug/L	0.003 U	EPA 8270	0.021	0.003	08/17/12 10:51	08/28/12 04:13	BTJ
1,2,4,5-Tetrachlorobenzene	ug/L	0.04 U	EPA 8270**	0.5	0.04	08/17/12 10:51	08/31/12 11:06	BTJ

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 12, 2012**  
**Work Order: 1209142**

## Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		SW-1 SECONDARY 2457						
Matrix		Other aqueous						
SAL Sample Number		1209142-02						
Date/Time Collected		08/13/12 12:00						
Collected by		Wilfred Martfeld						
Date/Time Received		08/15/12 14:00						
Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
1,2,4-Trichlorobenzene	ug/L	0.05 U	EPA 8270**	0.5	0.05	08/17/12 10:51	08/31/12 11:06	BTJ
1,3-Dinitrobenzene	ug/L	0.07 U	EPA 8270**	0.5	0.07	08/17/12 10:51	08/31/12 11:06	BTJ
1,4-Naphthoquinone	ug/L	0.3 U	EPA 8270**	2	0.3	08/17/12 10:51	08/31/12 11:06	BTJ
1,4-Phenylenediamine	ug/L	0.3 U	EPA 8270**	5	0.3	08/17/12 10:51	08/31/12 11:06	BTJ
1-Naphthylamine	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:06	BTJ
2,3,4,6-Tetrachlorophenol	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:06	BTJ
2,4,5-Trichlorophenol	ug/L	0.04 U	EPA 8270**	0.5	0.04	08/17/12 10:51	08/31/12 11:06	BTJ
2,4,6-Trichlorophenol	ug/L	0.05 U	EPA 8270	0.5	0.05	08/17/12 10:51	08/31/12 11:06	BTJ
2,4-Dichlorophenol	ug/L	0.06 U	EPA 8270	0.5	0.06	08/17/12 10:51	08/31/12 11:06	BTJ
2,4-Dimethylphenol	ug/L	0.5 U	EPA 8270	2	0.5	08/17/12 10:51	08/31/12 11:06	BTJ
2,4-Dinitrophenol	ug/L	2 U	EPA 8270	5	2	08/17/12 10:51	08/31/12 11:06	BTJ
2,4-Dinitrotoluene	ug/L	0.05 U	EPA 8270**	0.5	0.05	08/17/12 10:51	08/31/12 11:06	BTJ
2,6-Dinitrotoluene	ug/L	0.08 U	EPA 8270	0.5	0.08	08/17/12 10:51	08/31/12 11:06	BTJ
2-Acetylaminofluorene	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 11:06	BTJ
2-Chloronaphthalene	ug/L	0.04 U	EPA 8270	0.5	0.04	08/17/12 10:51	08/31/12 11:06	BTJ
2-Chlorophenol	ug/L	0.06 U	EPA 8270	0.5	0.06	08/17/12 10:51	08/31/12 11:06	BTJ
2-Methylphenol	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:06	BTJ
2,6-Dichlorophenol	ug/L	0.07 U	EPA 8270**	0.5	0.07	08/17/12 10:51	08/31/12 11:06	BTJ
2-Naphthylamine	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:06	BTJ
2-Nitroaniline	ug/L	0.04 U	EPA 8270**	0.5	0.04	08/17/12 10:51	08/31/12 11:06	BTJ
1,3,5-Trinitrobenzene	ug/L	0.2 U	EPA 8270**	2	0.2	08/17/12 10:51	08/31/12 11:06	BTJ
2-Nitrophenol	ug/L	0.06 U	EPA 8270	0.5	0.06	08/17/12 10:51	08/31/12 11:06	BTJ
o-Toluidine	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:06	BTJ
3,3-Dichlorobenzidine	ug/L	0.3 U	EPA 8270	0.5	0.3	08/17/12 10:51	08/31/12 11:06	BTJ
3,3'-Dimethylbenzidine	ug/L	0.3 U	EPA 8270**	2	0.3	08/17/12 10:51	08/31/12 11:06	BTJ
3/4-Methylphenol	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:06	BTJ
3-Methylcholanthrene	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 11:06	BTJ
3-Nitroaniline	ug/L	0.09 U	EPA 8270**	0.5	0.09	08/17/12 10:51	08/31/12 11:06	BTJ
4,6-Dinitro-2-methylphenol	ug/L	0.2 U	EPA 8270	2	0.2	08/17/12 10:51	08/31/12 11:06	BTJ
4-Aminobiphenyl	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:06	BTJ
4-Bromophenyl phenyl ether	ug/L	0.1 U	EPA 8270	0.5	0.1	08/17/12 10:51	08/31/12 11:06	BTJ
4-Chloro-3-methylphenol	ug/L	0.05 U	EPA 8270	0.5	0.05	08/17/12 10:51	08/31/12 11:06	BTJ
4-Chloroaniline	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:06	BTJ
4-Chlorophenyl phenyl ether	ug/L	0.07 U	EPA 8270	0.5	0.07	08/17/12 10:51	08/31/12 11:06	BTJ
4-Nitroaniline	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:06	BTJ
4-Nitrophenol	ug/L	0.1 U	EPA 8270	2	0.1	08/17/12 10:51	08/31/12 11:06	BTJ
5-Nitro-o-toluidine	ug/L	0.04 U	EPA 8270**	0.5	0.04	08/17/12 10:51	08/31/12 11:06	BTJ

**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 12, 2012**  
**Work Order: 1209142**

## Laboratory Report

**Project Name PASCO COUNTY RESOURCE RECOVERY**

Sample Description **SW-1 SECONDARY 2457**  
 Matrix **Other aqueous**  
 SAL Sample Number **1209142-02**  
 Date/Time Collected **08/13/12 12:00**  
 Collected by **Wilfred Martfeld**  
 Date/Time Received **08/15/12 14:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
7,12-Dimethylbenz(a)anthracene	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 11:06	BTJ
Acetophenone	ug/L	0.3 I,V	EPA 8270**	0.5	0.05	08/17/12 10:51	08/31/12 11:06	BTJ
Benzyl alcohol	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:06	BTJ
Bis(2-chloroethoxy)methane	ug/L	0.07 U	EPA 8270	0.5	0.07	08/17/12 10:51	08/31/12 11:06	BTJ
Bis(2-chloroethyl)ether	ug/L	0.07 U	EPA 8270	0.5	0.07	08/17/12 10:51	08/31/12 11:06	BTJ
Bis(2-chloroisopropyl) ether	ug/L	0.06 U	EPA 8270	0.5	0.06	08/17/12 10:51	08/31/12 11:06	BTJ
Bis(2-ethylhexyl)phthalate	ug/L	9	EPA 8270	2	0.6	08/17/12 10:51	08/31/12 11:06	BTJ
Butyl benzyl phthalate	ug/L	0.1 U	EPA 8270	0.5	0.1	08/17/12 10:51	08/31/12 11:06	BTJ
Chlorobenzilate	ug/L	0.2 U	EPA 8270**	2	0.2	08/17/12 10:51	08/31/12 11:06	BTJ
Diallate	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 11:06	BTJ
Dibenzofuran	ug/L	0.04 U	EPA 8270**	0.5	0.04	08/17/12 10:51	08/31/12 11:06	BTJ
Chrysene	ug/L	0.004 U	EPA 8270	0.021	0.004	08/17/12 10:51	08/28/12 04:13	BTJ
Diethyl phthalate	ug/L	1	EPA 8270	0.5	0.1	08/17/12 10:51	08/31/12 11:06	BTJ
Dimethoate	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 11:06	BTJ
Dimethylphthalate	ug/L	3	EPA 8270	2	0.2	08/17/12 10:51	08/31/12 11:06	BTJ
Di-n-butyl phthalate	ug/L	3 V	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:06	BTJ
Di-n-octylphthalate	ug/L	0.1 U	EPA 8270	0.5	0.1	08/17/12 10:51	08/31/12 11:06	BTJ
Diphenylamine	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 11:06	BTJ
Disulfoton	ug/L	0.04 U	EPA 8270**	0.5	0.04	08/17/12 10:51	08/31/12 11:06	BTJ
Ethyl Methanesulfonate	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 11:06	BTJ
Famphur	ug/L	0.09 U	EPA 8270**	0.5	0.09	08/17/12 10:51	08/31/12 11:06	BTJ
Hexachlorobenzene	ug/L	0.08 U	EPA 8270	0.5	0.08	08/17/12 10:51	08/31/12 11:06	BTJ
Hexachlorobutadiene	ug/L	0.05 U	EPA 8270	0.5	0.05	08/17/12 10:51	08/31/12 11:06	BTJ
Hexachlorocyclopentadiene	ug/L	0.05 U	EPA 8270	0.5	0.05	08/17/12 10:51	08/31/12 11:06	BTJ
Hexachloroethane	ug/L	0.08 U	EPA 8270	0.5	0.08	08/17/12 10:51	08/31/12 11:06	BTJ
Hexachloropropene	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 11:06	BTJ
Isodrin	ug/L	0.07 U	EPA 8270**	0.5	0.07	08/17/12 10:51	08/31/12 11:06	BTJ
Isophorone	ug/L	0.05 U	EPA 8270	0.5	0.05	08/17/12 10:51	08/31/12 11:06	BTJ
Isosafrole	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 11:06	BTJ
Kepone	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 11:06	BTJ
Methapyrilene	ug/L	0.8 U	EPA 8270**	2	0.8	08/17/12 10:51	08/31/12 11:06	BTJ
Methyl Methanesulfonate	ug/L	0.05 U	EPA 8270**	0.5	0.05	08/17/12 10:51	08/31/12 11:06	BTJ
Nitrobenzene	ug/L	0.08 U	EPA 8270	0.5	0.08	08/17/12 10:51	08/31/12 11:06	BTJ
N-Nitrosodibutylamine	ug/L	0.05 U	EPA 8270**	0.5	0.05	08/17/12 10:51	08/31/12 11:06	BTJ
N-Nitrosodiethylamine	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 11:06	BTJ
N-Nitrosodimethylamine	ug/L	0.09 U	EPA 8270	0.5	0.09	08/17/12 10:51	08/31/12 11:06	BTJ
N-Nitrosodi-n-propylamine	ug/L	0.07 U,J4	EPA 8270**	0.5	0.07	08/17/12 10:51	08/31/12 11:06	BTJ



**Pasco County Environmental Laboratory**  
**8864 Government Drive**  
**New Port Richey, FL 34654**

**September 12, 2012**  
**Work Order: 1209142**

## Laboratory Report

---

**Project Name** **PASCO COUNTY RESOURCE RECOVERY**

---

Sample Description **SW-1 SECONDARY 2457**  
 Matrix **Other aqueous**  
 SAL Sample Number **1209142-02**  
 Date/Time Collected **08/13/12 12:00**  
 Collected by **Wilfred Martfeld**  
 Date/Time Received **08/15/12 14:00**

---

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
N-Nitrosodiphenylamine	ug/L	0.2 U	EPA 8270	0.5	0.2	08/17/12 10:51	08/31/12 11:06	BTJ
N-Nitrosomethylethylamine	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:06	BTJ
N-Nitrosopiperidine	ug/L	0.09 U	EPA 8270**	0.5	0.09	08/17/12 10:51	08/31/12 11:06	BTJ
N-Nitrosopyrrolidine	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:06	BTJ
O,O,O-Triethyl phosphorothioate	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 11:06	BTJ
Parathion	ug/L	0.09 U	EPA 8270**	0.5	0.09	08/17/12 10:51	08/31/12 11:06	BTJ
Parathion,methyl	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 11:06	BTJ
p-Dimethylaminoazobenzene	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 11:06	BTJ
Pentachlorobenzene	ug/L	0.07 U	EPA 8270**	0.5	0.07	08/17/12 10:51	08/31/12 11:06	BTJ
Pentachloronitrobenzene	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 11:06	BTJ
Pentachlorophenol	ug/L	0.3 U	EPA 8270	2	0.3	08/17/12 10:51	08/31/12 11:06	BTJ
Dibenzo(a,h)anthracene	ug/L	0.009 U	EPA 8270	0.021	0.009	08/17/12 10:51	08/28/12 04:13	BTJ
Phenacetin	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:06	BTJ
Phenol	ug/L	0.3 I	EPA 8270	0.5	0.05	08/17/12 10:51	08/31/12 11:06	BTJ
Phentermine	ug/L	3 U	EPA 8270**	11	3	08/17/12 10:51	08/31/12 11:06	BTJ
Phorate	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 11:06	BTJ
Pronamide	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 11:06	BTJ
Safrole	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 11:06	BTJ
Thionazin	ug/L	0.09 U	EPA 8270**	0.5	0.09	08/17/12 10:51	08/31/12 11:06	BTJ
Fluoranthene	ug/L	0.002 U	EPA 8270	0.021	0.002	08/17/12 10:51	08/28/12 04:13	BTJ
Fluorene	ug/L	0.003 U	EPA 8270	0.021	0.003	08/17/12 10:51	08/28/12 04:13	BTJ
Indeno(1,2,3-cd)pyrene	ug/L	0.007 U	EPA 8270	0.021	0.007	08/17/12 10:51	08/28/12 04:13	BTJ
1-Methylnaphthalene	ug/L	0.24	EPA 8270**	0.021	0.003	08/17/12 10:51	08/28/12 04:13	BTJ
2-Methylnaphthalene	ug/L	0.51	EPA 8270	0.021	0.005	08/17/12 10:51	08/28/12 04:13	BTJ
Naphthalene	ug/L	0.94	EPA 8270	0.021	0.013	08/17/12 10:51	08/28/12 04:13	BTJ
Phenanthrene	ug/L	0.002 U	EPA 8270	0.021	0.002	08/17/12 10:51	08/28/12 04:13	BTJ
Pyrene	ug/L	0.013 I	EPA 8270	0.021	0.002	08/17/12 10:51	08/28/12 04:13	BTJ

**Inorganics**

Cyanide	mg/L	0.0054 U	SM 4500CN-E	0.020	0.0054	08/17/12 10:15	08/17/12 12:45	CDB
Phenolics	mg/L	0.11	EPA 420.1	0.080	0.0050	08/20/12 09:02	08/20/12 16:40	CDB
Sulfide	mg/L	0.71	SM 4500SF	0.40	0.10	08/20/12 10:05	08/20/12 14:05	MEJ

**Metals**

Antimony	ug/L	0.22 I	EPA 6020	0.50	0.071	08/17/12 08:00	08/22/12 12:00	VWC
Arsenic	ug/L	8.1	EPA 6020	5.0	0.93	08/17/12 09:44	08/17/12 17:07	VWC
Barium	ug/L	25	EPA 6020	0.50	0.18	08/17/12 09:44	08/17/12 17:07	VWC
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	08/20/12 10:55	08/21/12 16:41	VWC



**Pasco County Environmental Laboratory****8864 Government Drive****New Port Richey, FL 34654****September 12, 2012****Work Order: 1209142****Laboratory Report****Project Name PASCO COUNTY RESOURCE RECOVERY**Sample Description **SW-1 SECONDARY 2457**Matrix **Other aqueous**SAL Sample Number **1209142-02**Date/Time Collected **08/13/12 12:00**Collected by **Wilfred Martfeld**Date/Time Received **08/15/12 14:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	08/17/12 09:44	08/17/12 17:07	VWC
Chromium	ug/L	4.1 I	EPA 6020	5.0	0.35	08/17/12 09:44	08/17/12 17:07	VWC
Cobalt	ug/L	10 U	EPA 6010	100	10	08/20/12 10:55	08/21/12 16:41	VWC
Copper	ug/L	0.52	EPA 6020	0.50	0.13	08/17/12 09:44	08/17/12 17:07	VWC
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	08/17/12 09:44	08/17/12 17:07	VWC
Mercury	mg/L	0.00010 U	EPA 7470	0.00050	0.00010	08/17/12 11:44	08/17/12 16:24	VWC
Nickel	ug/L	18	EPA 6020	5.0	0.46	08/17/12 09:44	08/17/12 17:07	VWC
Selenium	ug/L	20	EPA 6020	5.0	0.93	08/17/12 08:00	08/17/12 17:07	VWC
Silver	mg/L	0.000069 U	EPA 6020	0.00050	0.000069	08/17/12 09:44	08/17/12 17:07	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	08/17/12 09:44	08/17/12 17:07	VWC
Tin	mg/L	0.10 U	EPA 6010	0.50	0.10	08/20/12 10:55	08/21/12 16:41	VWC
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	08/20/12 10:55	08/21/12 16:41	VWC
Zinc	ug/L	2.1 I	EPA 6020	5.0	0.88	08/17/12 09:44	08/17/12 17:07	VWC

Pasco County Environmental Laboratory  
8864 Government Drive  
New Port Richey, FL 34654

September 12, 2012  
Work Order: 1209142

## \* Qualifiers, Notes and Definitions

---

Results followed by a "U" indicate that the sample was analyzed but the compound was not detected. Results followed by "I" indicate that the reported value is between the laboratory method detection limits and the laboratory practical quantitation limit.

A statement of estimated uncertainty of test results is available upon request.

For methods marked with \*\*, all QC criteria have been met for this method which is equivalent to a SAL certified method.

Test results in this report meet all the requirements of the NELAC standards. Any applicable qualifiers are shown below. Questions regarding this report should be directed to Client Services at 813-855-1844.

- V Analyte was detected in both the sample and the associated method blank.
- J6 The sample matrix interfered with the ability to make any accurate determination.
- J4 Quality control sample(s) associated with this sample did not meet established criteria.
- J0 Surrogate recovery was outside control limits.

A handwritten signature in black ink, appearing to read "Francis I. Daniels".

## SAL Project No.

1209142

Chain of Custody.xls  
Rev. Date 11/19/01

## Chain of Custody

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Date: 11/7/2012

SAMPLE NUMBER	AB84178	SAMPLE ID	SW-1 PRIMARY TANK @ RESREC	SAMPLE MATRIX	AQU
DATE SAMPLED	8/13/2012			TIME SAMPLED	11:00
DATE RECEIVED	8/13/2012	SAMPLER	WMM	RECEIVED BY	AC
TIME RECEIVED	15:40	DELIVERED BY	WMM	SAMPLE TYPE	PP

ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	DET. LIMIT
Conductivity Field	FDEP FT 12	8/13/2012	11:00	WM	4220	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/13/2012	11:00	WM	1.6	D	mg/L	0.1
pH Field	FDEP FT 11	8/13/2012	11:00	WM	7.25	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/13/2012	11:00	WM	28.66	D	Deg C	0.00
Iron (Fe)	EPA 200.7	8/28/2012	10:20	TER	9750		ug/L	2
Mercury (Hg)	SM 3112 B	8/29/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	8/28/2012	10:20	TER	354		mg/L	0.06
Ammonia (N)	SM 4500-N	8/17/2012	7:30	IF	305		mg/L	0.04
Nitrate (N)	SM 4500-N	8/15/2012	8:00	IF	0.02	U	mg/L	0.02
Color by Observation	Observation	8/13/2012	11:00	WM	ORANGE	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	8/15/2012	14:30	KS	1974		mg/L	9.89
Alkalinity	SM 2320 B	8/23/2012	16:00	AS	1890		mg/L	0.62

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER	AB84178	SAMPLE ID	SW-1 PRIMARY TANK @ RESREC	SAMPLE MATRIX	AQU
DATE SAMPLED	8/13/2012			TIME SAMPLED	11:00
DATE RECEIVED	8/13/2012	SAMPLER	WMM	RECEIVED BY	AC
TIME RECEIVED	15:40	DELIVERED BY	WMM	SAMPLE TYPE	PP

ANALYSIS	ANALYSIS						DET. LIMIT	
	METHOD	DATE	TIME	BY	RESULT	QUAL		UNIT
Chloride	SM 4500-CI-	8/21/2012	9:00	AS	386	XC	mg/L	0.48

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS  
NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Date: 11/7/2012

SAMPLE NUMBER	AB84179	SAMPLE ID	SW-1 SECONDARY TANK @ RESREC	SAMPLE MATRIX	AQU
DATE SAMPLED	8/13/2012			TIME SAMPLED	12:00
DATE RECEIVED	8/13/2012	SAMPLER	WMM	RECEIVED BY	AC
TIME RECEIVED	15:40	DELIVERED BY	WMM	SAMPLE TYPE	PP

ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	DET. LIMIT
Conductivity Field	FDEP FT 12	8/13/2012	12:00	WM	3200	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/13/2012	12:00	WM	0.72	D	mg/L	0.1
pH Field	FDEP FT 11	8/13/2012	12:00	WM	7.70	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/13/2012	12:00	WM	29.40	D	Deg C	0.00
Iron (Fe)	EPA 200.7	8/28/2012	10:20	TER	3500		ug/L	2
Mercury (Hg)	SM 3112 B	8/29/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	8/28/2012	10:20	TER	253		mg/L	0.06
Ammonia (N)	SM 4500-N	8/17/2012	7:30	IF	165		mg/L	0.04
Nitrate (N)	SM 4500-N	8/15/2012	8:00	IF	0.87		mg/L	0.02
Color by Observation	Observation	8/13/2012	12:00	WM	ORANGE	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	8/15/2012	14:30	KS	1564		mg/L	9.89
Alkalinity	SM 2320 B	8/23/2012	16:00	AS	1076		mg/L	0.62

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER	AB84179	SAMPLE ID	SW-1 SECONDARY TANK @ RESREC	SAMPLE MATRIX	AQU
DATE SAMPLED	8/13/2012			TIME SAMPLED	12:00
DATE RECEIVED	8/13/2012	SAMPLER	WMM	RECEIVED BY	AC
TIME RECEIVED	15:40	DELIVERED BY	WMM	SAMPLE TYPE	PP

ANALYSIS	ANALYSIS							DET. LIMIT
	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	
Chloride	SM 4500-CI-	8/21/2012	9:00	AS	460	XC	mg/L	0.48

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**



**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84261 SAMPLE ID A-1 PRIMARY  
DATE SAMPLED 8/14/2012  
DATE RECEIVED 8/14/2012 SAMPLER WMM  
TIME RECEIVED 15:30 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 10:30  
RECEIVED BY AC  
SAMPLE TYPE  
PP

ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	DET. LIMIT
Conductivity Field	FDEP FT 12	8/14/2012	10:30	WM	3310	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/14/2012	10:30	WM	2.46	D	mg/L	0.1
pH Field	FDEP FT 11	8/14/2012	10:30	WM	7.59	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/14/2012	10:30	WM	28.47	D	Deg C	0.00
Iron (Fe)	EPA 200.7	8/28/2012	10:20	TER	26.5		ug/L	2
Mercury (Hg)	SM 3112 B	8/29/2012	10:30	TER	0.03	I	ug/L	0.03
Sodium (Na)	EPA 200.7	8/28/2012	10:20	TER	294		mg/L	0.06
Ammonia (N)	SM 4500-N	8/17/2012	7:30	IF	0.04	U	mg/L	0.04
Nitrate (N)	SM 4500-N	8/15/2012	8:00	IF	2.47		mg/L	0.02
Color by Observation	Observation	8/14/2012	10:30	WM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	8/15/2012	14:30	KS	2542		mg/L	9.89
Alkalinity	SM 2320 B	8/23/2012	16:00	AS	94.6		mg/L	0.62

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84261 SAMPLE ID A-1 PRIMARY  
DATE SAMPLED 8/14/2012  
DATE RECEIVED 8/14/2012 SAMPLER WMM  
TIME RECEIVED 15:30 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 10:30  
RECEIVED BY AC  
SAMPLE TYPE  
PP

		ANALYSIS							DET. LIMIT
ANALYSIS		METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	
Chloride		SM 4500-Cl-	8/21/2012	9:00	AS	868	XC	mg/L	0.48

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS  
NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84262 SAMPLE ID A-1 SECONDARY  
DATE SAMPLED 8/14/2012  
DATE RECEIVED 8/14/2012 SAMPLER WMM  
TIME RECEIVED 15:30 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 11:30  
RECEIVED BY AC  
SAMPLE TYPE  
PP

ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	DET. LIMIT
Conductivity Field	FDEP FT 12	8/14/2012	11:30	WM	6400	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/14/2012	11:30	WM	3.11	D	mg/L	0.1
pH Field	FDEP FT 11	8/14/2012	11:30	WM	7.59	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/14/2012	11:30	WM	29.00	D	Deg C	0.00
Iron (Fe)	EPA 200.7	8/28/2012	10:20	TER	8.0	I	ug/L	2
Mercury (Hg)	SM 3112 B	8/29/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	8/28/2012	10:20	TER	516		mg/L	0.06
Ammonia (N)	SM 4500-N	8/17/2012	7:30	IF	0.04	U	mg/L	0.04
Nitrate (N)	SM 4500-N	8/15/2012	8:00	IF	1.20		mg/L	0.02
Color by Observation	Observation	8/14/2012	11:30	WM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	8/15/2012	14:30	KS	4212		mg/L	9.89
Alkalinity	SM 2320 B	8/23/2012	16:00	AS	156		mg/L	0.62

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84262 SAMPLE ID A-1 SECONDARY  
DATE SAMPLED 8/14/2012  
DATE RECEIVED 8/14/2012 SAMPLER WMM  
TIME RECEIVED 15:30 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 11:30  
RECEIVED BY AC  
SAMPLE TYPE  
PP

ANALYSIS	ANALYSIS							DET. LIMIT
	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	
Chloride	SM 4500-CI-	8/21/2012	9:00	AS	2193	XC	mg/L	0.48

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS  
NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84331 SAMPLE ID 4MW1 @ RESREC  
DATE SAMPLED 8/15/2012  
DATE RECEIVED 8/15/2012 SAMPLER WMM  
TIME RECEIVED 16:00 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 10:25  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS								DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	LIMIT
Conductivity Field	FDEP FT 12	8/15/2012	10:25	WM	758	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/15/2012	10:25	WM	0.80	D	mg/L	0.1
pH Field	FDEP FT 11	8/15/2012	10:25	WM	6.88	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/15/2012	10:25	WM	25.57	D	Deg C	0.00
Turbidity Field	FDEP FT 16	8/15/2012	10:25	WM	0.9	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	8/15/2012	10:25	WM	35.79	D	Ft.	0
Iron (Fe)	EPA 200.7	8/28/2012	10:20	TER	64.7		ug/L	2
Mercury (Hg)	SM 3112 B	8/29/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	8/28/2012	10:20	TER	53.6		mg/L	0.06
Ammonia (N)	SM 4500-N	8/17/2012	7:30	IF	0.04	U	mg/L	0.04
Nitrate (N)	SM 4500-N	8/17/2012	7:30	IF	1.62		mg/L	0.02
Color by Observation	Observation	8/15/2012	10:25	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84331 SAMPLE ID 4MW1 @ RESREC  
DATE SAMPLED 8/15/2012  
DATE RECEIVED 8/15/2012 SAMPLER WMM  
TIME RECEIVED 16:00 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 10:25  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS	ANALYSIS					RESULT	QUAL	UNIT	DET. LIMIT
	METHOD	DATE	TIME	BY					
Total Dissolved Solids	SM 2540 C	8/17/2012	15:30	KS		564		mg/L	9.89
Chloride	EPA 300.0	8/23/2012	8:30	AS		135		mg/L	0.08

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84332 SAMPLE ID 4MW2 @ RESREC  
DATE SAMPLED 8/15/2012  
DATE RECEIVED 8/15/2012 SAMPLER WMM  
TIME RECEIVED 16:00 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 12:45  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS								DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	LIMIT
Conductivity Field	FDEP FT 12	8/15/2012	12:45	WM	176	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/15/2012	12:45	WM	1.11	D	mg/L	0.1
pH Field	FDEP FT 11	8/15/2012	12:45	WM	8.02	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/15/2012	12:45	WM	25.25	D	Deg C	0.00
Turbidity Field	FDEP FT 16	8/15/2012	12:45	WM	1.1	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	8/15/2012	12:45	WM	36.22	D	Ft.	0
Iron (Fe)	EPA 200.7	8/28/2012	10:20	TER	4.2	I	ug/L	2
Mercury (Hg)	SM 3112 B	8/30/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	8/28/2012	10:20	TER	2.73		mg/L	0.06
Ammonia (N)	SM 4500-N	8/17/2012	7:30	IF	0.04	U	mg/L	0.04
Nitrate (N)	SM 4500-N	8/17/2012	7:30	IF	1.16		mg/L	0.02
Color by Observation	Observation	8/15/2012	12:45	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**



**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84332 SAMPLE ID 4MW2 @ RESREC  
DATE SAMPLED 8/15/2012  
DATE RECEIVED 8/15/2012 SAMPLER WMM  
TIME RECEIVED 16:00 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 12:45  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS	ANALYSIS					RESULT	QUAL	UNIT	DET. LIMIT
	METHOD	DATE	TIME	BY					
Total Dissolved Solids	SM 2540 C	8/17/2012	15:30	KS		118		mg/L	9.89
Chloride	EPA 300.0	8/23/2012	8:30	AS		5.72		mg/L	0.08

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84333 SAMPLE ID 4MW6 @ RESREC  
DATE SAMPLED 8/15/2012  
DATE RECEIVED 8/15/2012 SAMPLER WMM  
TIME RECEIVED 16:00 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 14:53  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS								DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	LIMIT
Conductivity Field	FDEP FT 12	8/15/2012	14:53	WM	132	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/15/2012	14:53	WM	3.79	D	mg/L	0.1
pH Field	FDEP FT 11	8/15/2012	14:53	WM	8.35	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/15/2012	14:53	WM	26.16	D	Deg C	0.00
Turbidity Field	FDEP FT 16	8/15/2012	14:53	WM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	8/15/2012	14:53	WM	33.70	D	Ft.	0
Iron (Fe)	EPA 200.7	8/28/2012	10:20	TER	4.5	I	ug/L	2
Mercury (Hg)	SM 3112 B	8/30/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	8/28/2012	10:20	TER	2.55		mg/L	0.06
Ammonia (N)	SM 4500-N	8/17/2012	7:30	IF	0.04	U	mg/L	0.04
Nitrate (N)	SM 4500-N	8/17/2012	7:30	IF	0.61		mg/L	0.02
Color by Observation	Observation	8/15/2012	14:53	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84333 SAMPLE ID 4MW6 @ RESREC  
DATE SAMPLED 8/15/2012  
DATE RECEIVED 8/15/2012 SAMPLER WMM  
TIME RECEIVED 16:00 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 14:53  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS								DET. LIMIT
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	
Total Dissolved Solids	SM 2540 C	8/17/2012	15:30	KS	86		mg/L	9.89
Chloride	EPA 300.0	8/23/2012	8:30	AS	4.61		mg/L	0.08

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84375 SAMPLE ID 2MW18D @ RESREC  
DATE SAMPLED 8/16/2012  
DATE RECEIVED 8/16/2012 SAMPLER WMM  
TIME RECEIVED 16:00 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 11:51  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS								DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	LIMIT
Conductivity Field	FDEP FT 12	8/16/2012	11:51	WM	438	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/16/2012	11:51	WM	1.13	D	mg/L	0.1
pH Field	FDEP FT 11	8/16/2012	11:51	WM	7.62	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/16/2012	11:51	WM	26.03	D	Deg C	0.00
Turbidity Field	FDEP FT 16	8/16/2012	11:51	WM	8.4	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	8/16/2012	11:51	WM	29.77	D	Ft.	0
Iron (Fe)	EPA 200.7	8/28/2012	10:20	TER	494		ug/L	2
Mercury (Hg)	SM 3112 B	8/30/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	8/28/2012	10:20	TER	11.4		mg/L	0.06
Ammonia (N)	SM 4500-N	8/17/2012	7:30	IF	0.04	U	mg/L	0.04
Nitrate (N)	SM 4500-N	8/17/2012	7:30	IF	0.69		mg/L	0.02
Color by Observation	Observation	8/16/2012	11:51	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84375 SAMPLE ID 2MW18D @ RESREC  
DATE SAMPLED 8/16/2012  
DATE RECEIVED 8/16/2012 SAMPLER WMM  
TIME RECEIVED 16:00 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 11:51  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS								DET. LIMIT
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	
Total Dissolved Solids	SM 2540 C	8/17/2012	15:30	KS	324		mg/L	9.89
Chloride	EPA 300.0	8/23/2012	8:30	AS	41.7		mg/L	0.08

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84376 SAMPLE ID 2MW19D @ RESREC  
DATE SAMPLED 8/16/2012  
DATE RECEIVED 8/16/2012 SAMPLER WMM  
TIME RECEIVED 16:00 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 13:00  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS								DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	LIMIT
Conductivity Field	FDEP FT 12	8/16/2012	13:00	WM	438	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/16/2012	13:00	WM	1.06	D	mg/L	0.1
pH Field	FDEP FT 11	8/16/2012	13:00	WM	7.45	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/16/2012	13:00	WM	26.81	D	Deg C	0.00
Turbidity Field	FDEP FT 16	8/16/2012	13:00	WM	1.7	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	8/16/2012	13:00	WM	30.51	D	Ft.	0
Iron (Fe)	EPA 200.7	8/28/2012	10:20	TER	139		ug/L	2
Mercury (Hg)	SM 3112 B	8/30/2012	10:30	TER	0.04	I	ug/L	0.03
Sodium (Na)	EPA 200.7	8/28/2012	10:20	TER	7.03		mg/L	0.06
Ammonia (N)	SM 4500-N	8/17/2012	7:30	IF	0.04	U	mg/L	0.04
Nitrate (N)	SM 4500-N	8/17/2012	7:30	IF	0.02	U	mg/L	0.02
Color by Observation	Observation	8/16/2012	13:00	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84376 SAMPLE ID 2MW19D @ RESREC  
DATE SAMPLED 8/16/2012  
DATE RECEIVED 8/16/2012 SAMPLER WMM  
TIME RECEIVED 16:00 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 13:00  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS	ANALYSIS					RESULT	QUAL	UNIT	DET. LIMIT
	METHOD	DATE	TIME	BY					
Total Dissolved Solids	SM 2540 C	8/17/2012	15:30	KS		282		mg/L	9.89
Chloride	EPA 300.0	8/23/2012	8:30	AS		18.9		mg/L	0.08

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**



**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84377 SAMPLE ID 4MW4 @ RESREC  
DATE SAMPLED 8/16/2012  
DATE RECEIVED 8/16/2012 SAMPLER WMM  
TIME RECEIVED 16:00 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 10:47  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS								DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	LIMIT
Conductivity Field	FDEP FT 12	8/16/2012	10:47	WM	384	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/16/2012	10:47	WM	1.21	D	mg/L	0.1
pH Field	FDEP FT 11	8/16/2012	10:47	WM	7.61	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/16/2012	10:47	WM	26.00	D	Deg C	0.00
Turbidity Field	FDEP FT 16	8/16/2012	10:47	WM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	8/16/2012	10:47	WM	29.91	D	Ft.	0
Iron (Fe)	EPA 200.7	8/28/2012	10:20	TER	8.5	I	ug/L	2
Mercury (Hg)	SM 3112 B	8/30/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	8/28/2012	10:20	TER	5.14		mg/L	0.06
Ammonia (N)	SM 4500-N	8/17/2012	7:30	IF	0.04	U	mg/L	0.04
Nitrate (N)	SM 4500-N	8/17/2012	7:30	IF	0.24		mg/L	0.02
Color by Observation	Observation	8/16/2012	10:47	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84377 SAMPLE ID 4MW4 @ RESREC  
DATE SAMPLED 8/16/2012  
DATE RECEIVED 8/16/2012 SAMPLER WMM  
TIME RECEIVED 16:00 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 10:47  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS	ANALYSIS					RESULT	QUAL	UNIT	DET. LIMIT
	METHOD	DATE	TIME	BY					
Total Dissolved Solids	SM 2540 C	8/17/2012	15:30	KS		268		mg/L	9.89
Chloride	EPA 300.0	8/23/2012	8:30	AS		18.9		mg/L	0.08

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84378 SAMPLE ID 4MW5 @ RESREC  
DATE SAMPLED 8/16/2012  
DATE RECEIVED 8/16/2012 SAMPLER WMM  
TIME RECEIVED 16:00 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 15:27  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS								DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	LIMIT
Conductivity Field	FDEP FT 12	8/16/2012	15:27	WM	535	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/16/2012	15:27	WM	1.73	D	mg/L	0.1
pH Field	FDEP FT 11	8/16/2012	15:27	WM	7.59	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/16/2012	15:27	WM	25.75	D	Deg C	0.00
Turbidity Field	FDEP FT 16	8/16/2012	15:27	WM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	8/16/2012	15:27	WM	30.78	D	Ft.	0
Iron (Fe)	EPA 200.7	8/28/2012	10:20	TER	12.6		ug/L	2
Mercury (Hg)	SM 3112 B	8/30/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	8/28/2012	10:20	TER	25.1		mg/L	0.06
Ammonia (N)	SM 4500-N	8/17/2012	7:30	IF	0.04	U	mg/L	0.04
Nitrate (N)	SM 4500-N	8/17/2012	7:30	IF	0.80		mg/L	0.02
Color by Observation	Observation	8/16/2012	15:27	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84378 SAMPLE ID 4MW5 @ RESREC  
DATE SAMPLED 8/16/2012  
DATE RECEIVED 8/16/2012 SAMPLER WMM  
TIME RECEIVED 16:00 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 15:27  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS	ANALYSIS					RESULT	QUAL	UNIT	DET. LIMIT
	METHOD	DATE	TIME	BY					
Total Dissolved Solids	SM 2540 C	8/17/2012	15:30	KS	426		mg/L	9.89	
Chloride	EPA 300.0	8/23/2012	8:30	AS	79.6		mg/L	0.08	

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84469 SAMPLE ID 4MW11D @ RESREC  
DATE SAMPLED 8/20/2012  
DATE RECEIVED 8/20/2012 SAMPLER WMM  
TIME RECEIVED 15:30 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 10:42  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS								DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	LIMIT
Conductivity Field	FDEP FT 12	8/20/2012	10:42	WM	296	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/20/2012	10:42	WM	1.78	D	mg/L	0.1
pH Field	FDEP FT 11	8/20/2012	10:42	WM	7.77	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/20/2012	10:42	WM	25.56	D	Deg C	0.00
Turbidity Field	FDEP FT 16	8/20/2012	10:42	WM	3.4	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	8/20/2012	10:42	WM	33.40	D	Ft.	0
Iron (Fe)	EPA 200.7	8/28/2012	10:20	TER	20.9		ug/L	2
Mercury (Hg)	SM 3112 B	8/30/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	8/28/2012	10:20	TER	3.97		mg/L	0.06
Ammonia (N)	SM 4500-N	8/24/2012	7:30	IF	0.04	U	mg/L	0.04
Nitrate (N)	SM 4500-N	8/22/2012	8:00	IF	0.89		mg/L	0.02
Color by Observation	Observation	8/20/2012	10:42	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84469 SAMPLE ID 4MW11D @ RESREC  
DATE SAMPLED 8/20/2012  
DATE RECEIVED 8/20/2012 SAMPLER WMM  
TIME RECEIVED 15:30 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 10:42  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	DET. LIMIT
Total Dissolved Solids	SM 2540 C	8/24/2012	11:00	KS	188	Q	mg/L	9.89
Chloride	EPA 300.0	8/23/2012	8:30	AS	11.7		mg/L	0.08

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84470 SAMPLE ID 4MW12D @ RESREC  
DATE SAMPLED 8/20/2012  
DATE RECEIVED 8/20/2012 SAMPLER WMM  
TIME RECEIVED 15:30 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 12:41  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS								DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	LIMIT
Conductivity Field	FDEP FT 12	8/20/2012	12:41	WM	411	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/20/2012	12:41	WM	0.52	D	mg/L	0.1
pH Field	FDEP FT 11	8/20/2012	12:41	WM	7.49	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/20/2012	12:41	WM	26.91	D	Deg C	0.00
Turbidity Field	FDEP FT 16	8/20/2012	12:41	WM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	8/20/2012	12:41	WM	32.55	D	Ft.	0
Iron (Fe)	EPA 200.7	8/28/2012	10:20	TER	2.8	I	ug/L	2
Mercury (Hg)	SM 3112 B	8/30/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	8/28/2012	10:20	TER	5.90		mg/L	0.06
Ammonia (N)	SM 4500-N	8/24/2012	7:30	IF	0.11	I	mg/L	0.04
Nitrate (N)	SM 4500-N	8/22/2012	8:00	IF	0.36		mg/L	0.02
Color by Observation	Observation	8/20/2012	12:41	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**



**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84470 SAMPLE ID 4MW12D @ RESREC  
DATE SAMPLED 8/20/2012  
DATE RECEIVED 8/20/2012 SAMPLER WMM  
TIME RECEIVED 15:30 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 12:41  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS	ANALYSIS					RESULT	QUAL	UNIT	DET. LIMIT
	METHOD	DATE	TIME	BY					
Total Dissolved Solids	SM 2540 C	8/24/2012	11:00	KS		268		mg/L	9.89
Chloride	EPA 300.0	8/23/2012	8:30	AS		20.0		mg/L	0.08

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84471 SAMPLE ID 4MW14D @ RESREC  
DATE SAMPLED 8/20/2012  
DATE RECEIVED 8/20/2012 SAMPLER WMM  
TIME RECEIVED 15:30 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 14:58  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	DET. LIMIT
Conductivity Field	FDEP FT 12	8/20/2012	14:58	WM	394	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/20/2012	14:58	WM	0.92	D	mg/L	0.1
pH Field	FDEP FT 11	8/20/2012	14:58	WM	7.81	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/20/2012	14:58	WM	26.81	D	Deg C	0.00
Turbidity Field	FDEP FT 16	8/20/2012	14:58	WM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	8/20/2012	14:58	WM	32.92	D	Ft.	0
Iron (Fe)	EPA 200.7	8/28/2012	10:20	TER	62.8		ug/L	2
Mercury (Hg)	SM 3112 B	8/30/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	8/28/2012	10:20	TER	12.5		mg/L	0.06
Ammonia (N)	SM 4500-N	8/24/2012	7:30	IF	0.04	U	mg/L	0.04
Nitrate (N)	SM 4500-N	8/22/2012	8:00	IF	0.74		mg/L	0.02
Color by Observation	Observation	8/20/2012	14:58	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84471 SAMPLE ID 4MW14D @ RESREC  
DATE SAMPLED 8/20/2012  
DATE RECEIVED 8/20/2012 SAMPLER WMM  
TIME RECEIVED 15:30 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 14:58  
RECEIVED BY AC  
SAMPLE TYPE  
SP

					ANALYSIS			DET. LIMIT	
ANALYSIS		METHOD	DATE	TIME	BY	RESULT	QUAL		UNIT
Total Dissolved Solids		SM 2540 C	8/24/2012	11:00	KS	272	Q	mg/L	9.89
Chloride		EPA 300.0	8/23/2012	8:30	AS	34.6		mg/L	0.08

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84499 SAMPLE ID 2MW2 @ RESREC  
DATE SAMPLED 8/21/2012  
DATE RECEIVED 8/21/2012 SAMPLER WMM  
TIME RECEIVED 15:20 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 14:15  
RECEIVED BY IF  
SAMPLE TYPE  
SP

ANALYSIS								DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	LIMIT
Conductivity Field	FDEP FT 12	8/21/2012	14:15	WM	74	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/21/2012	14:15	WM	3.13	D	mg/L	0.1
pH Field	FDEP FT 11	8/21/2012	14:15	WM	5.61	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/21/2012	14:15	WM	25.92	D	Deg C	0.00
Turbidity Field	FDEP FT 16	8/21/2012	14:15	WM	4.7	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	8/21/2012	14:15	WM	36.61	D	Ft.	0
Iron (Fe)	EPA 200.7	8/28/2012	10:20	TER	83.2		ug/L	2
Mercury (Hg)	SM 3112 B	8/30/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	8/28/2012	10:20	TER	1.96		mg/L	0.06
Ammonia (N)	SM 4500-N	8/24/2012	7:30	IF	0.04	U	mg/L	0.04
Nitrate (N)	SM 4500-N	8/22/2012	8:00	IF	5.04		mg/L	0.02
Color by Observation	Observation	8/21/2012	14:15	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84499 SAMPLE ID 2MW2 @ RESREC  
DATE SAMPLED 8/21/2012  
DATE RECEIVED 8/21/2012 SAMPLER WMM  
TIME RECEIVED 15:20 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 14:15  
RECEIVED BY IF  
SAMPLE TYPE  
SP

ANALYSIS	ANALYSIS					RESULT	QUAL	UNIT	DET. LIMIT
	METHOD	DATE	TIME	BY					
Total Dissolved Solids	SM 2540 C	8/24/2012	11:00	KS	52			mg/L	9.89
Chloride	EPA 300.0	8/23/2012	8:30	AS	3.98			mg/L	0.08

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84500 SAMPLE ID 2MW17S @ RESREC  
DATE SAMPLED 8/21/2012  
DATE RECEIVED 8/21/2012 SAMPLER WMM  
TIME RECEIVED 15:20 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 10:39  
RECEIVED BY IF  
SAMPLE TYPE  
SP

ANALYSIS								DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	LIMIT
Conductivity Field	FDEP FT 12	8/21/2012	10:39	WM	196	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/21/2012	10:39	WM	1.23	D	mg/L	0.1
pH Field	FDEP FT 11	8/21/2012	10:39	WM	6.44	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/21/2012	10:39	WM	27.01	D	Deg C	0.00
Turbidity Field	FDEP FT 16	8/21/2012	10:39	WM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	8/21/2012	10:39	WM	29.92	D	Ft.	0
Iron (Fe)	EPA 200.7	8/28/2012	10:20	TER	45.5		ug/L	2
Mercury (Hg)	SM 3112 B	8/30/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	8/28/2012	10:20	TER	2.60		mg/L	0.06
Ammonia (N)	SM 4500-N	8/24/2012	7:30	IF	0.06	I	mg/L	0.04
Nitrate (N)	SM 4500-N	8/22/2012	8:00	IF	5.99		mg/L	0.02
Color by Observation	Observation	8/21/2012	10:39	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84500 SAMPLE ID 2MW17S @ RESREC  
DATE SAMPLED 8/21/2012  
DATE RECEIVED 8/21/2012 SAMPLER WMM  
TIME RECEIVED 15:20 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 10:39  
RECEIVED BY IF  
SAMPLE TYPE  
SP

ANALYSIS	ANALYSIS					RESULT	QUAL	UNIT	DET. LIMIT
	METHOD	DATE	TIME	BY					
Total Dissolved Solids	SM 2540 C	8/24/2012	11:00	KS		132		mg/L	9.89
Chloride	EPA 300.0	8/23/2012	8:30	AS		3.88		mg/L	0.08

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

West Pasco Class III Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84501      SAMPLE ID 4MW9 @ CLASS III  
DATE SAMPLED 8/21/2012  
DATE RECEIVED 8/21/2012      SAMPLER WMM  
TIME RECEIVED 15:20      DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 12:10  
RECEIVED BY IF  
SAMPLE TYPE  
SP

ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	DET. LIMIT
Conductivity Field	FDEP FT 12	8/21/2012	12:10	WM	372	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/21/2012	12:10	WM	0.73	D	mg/L	0.1
pH Field	FDEP FT 11	8/21/2012	12:10	WM	7.69	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/21/2012	12:10	WM	25.21	D	Deg C	0.00
Turbidity Field	FDEP FT 16	8/21/2012	12:10	WM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	8/21/2012	12:10	WM	31.52	D	Ft.	0
Iron (Fe)	EPA 200.7	8/28/2012	10:20	TER	49.0		ug/L	2
Mercury (Hg)	SM 3112 B	8/30/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	8/28/2012	10:20	TER	6.90		mg/L	0.06
Ammonia (N)	SM 4500-N	8/24/2012	7:30	IF	0.04	U	mg/L	0.04
Nitrate (N)	SM 4500-N	8/22/2012	8:00	IF	0.36		mg/L	0.02
Color by Observation	Observation	8/21/2012	12:10	WM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	8/24/2012	11:00	KS	254		mg/L	9.89

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**



**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

West Pasco Class III Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84501 SAMPLE ID 4MW9 @ CLASS III  
DATE SAMPLED 8/21/2012  
DATE RECEIVED 8/21/2012 SAMPLER WMM  
TIME RECEIVED 15:20 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 12:10  
RECEIVED BY IF  
SAMPLE TYPE  
SP

ANALYSIS	ANALYSIS					RESULT	QUAL	UNIT	DET. LIMIT
	METHOD	DATE	TIME	BY					
Chloride	EPA 300.0	8/23/2012	8:30	AS	23.6		mg/L	0.08	

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS  
NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

West Pasco Class III Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84684 SAMPLE ID 4MW3A @ CLASS III  
DATE SAMPLED 8/28/2012  
DATE RECEIVED 8/28/2012 SAMPLER WMM  
TIME RECEIVED 15:45 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 14:55  
RECEIVED BY AS  
SAMPLE TYPE  
SP

ANALYSIS	ANALYSIS							DET. LIMIT
	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	
Water Level (NGVD)	DEP-SOP	8/28/2012	14:55	WM	31.35	D	Ft.	0

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS  
NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

West Pasco Class III Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84685    SAMPLE ID 4MW7 @ CLASS III  
DATE SAMPLED 8/28/2012  
DATE RECEIVED 8/28/2012    SAMPLER WMM  
TIME RECEIVED 15:45    DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 14:16  
RECEIVED BY AS  
SAMPLE TYPE  
SP

ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	DET. LIMIT
Conductivity Field	FDEP FT 12	8/28/2012	14:16	WM	403	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/28/2012	14:16	WM	0.90	D	mg/L	0.1
pH Field	FDEP FT 11	8/28/2012	14:16	WM	7.56	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/28/2012	14:16	WM	25.74	D	Deg C	0.00
Turbidity Field	FDEP FT 16	8/28/2012	14:16	WM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	8/28/2012	14:16	WM	33.53	D	Ft.	0
Iron (Fe)	EPA 200.7	9/4/2012	9:45	TER	14.2		ug/L	2
Mercury (Hg)	SM 3112 B	9/6/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	9/4/2012	9:45	TER	6.02		mg/L	0.06
Ammonia (N)	SM 4500-N	9/19/2012	7:30	IF	0.06	I	mg/L	0.04
Nitrate (N)	EPA 300.0	8/28/2012	16:00	AS	1.42		mg/L	0.03
Color by Observation	Observation	8/28/2012	14:16	WM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	8/30/2012	13:00	KS	270		mg/L	9.89

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

West Pasco Class III Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84685    SAMPLE ID 4MW7 @ CLASS III  
DATE SAMPLED 8/28/2012  
DATE RECEIVED 8/28/2012    SAMPLER WMM  
TIME RECEIVED 15:45    DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 14:16  
RECEIVED BY AS  
SAMPLE TYPE  
SP

ANALYSIS	ANALYSIS					RESULT	QUAL	UNIT	DET. LIMIT
	METHOD	DATE	TIME	BY					
Chloride	EPA 300.0	8/28/2012	16:00	AS	15.5		mg/L	0.08	

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS  
NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

West Pasco Class III Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84686 SAMPLE ID 4MW8 @ CLASS III  
DATE SAMPLED 8/28/2012  
DATE RECEIVED 8/28/2012 SAMPLER WMM  
TIME RECEIVED 15:45 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 11:04  
RECEIVED BY AS  
SAMPLE TYPE  
SP

ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	DET. LIMIT
Conductivity Field	FDEP FT 12	8/28/2012	11:04	WM	338	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/28/2012	11:04	WM	0.50	D	mg/L	0.1
pH Field	FDEP FT 11	8/28/2012	11:04	WM	7.61	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/28/2012	11:04	WM	24.41	D	Deg C	0.00
Turbidity Field	FDEP FT 16	8/28/2012	11:04	WM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	8/28/2012	11:04	WM	33.19	D	Ft.	0
Iron (Fe)	EPA 200.7	9/4/2012	9:45	TER	17.1		ug/L	2
Mercury (Hg)	SM 3112 B	9/6/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	9/4/2012	9:45	TER	4.27		mg/L	0.06
Ammonia (N)	SM 4500-N	9/19/2012	7:30	IF	0.04	U	mg/L	0.04
Nitrate (N)	EPA 300.0	8/28/2012	16:00	AS	0.16		mg/L	0.03
Color by Observation	Observation	8/28/2012	11:04	WM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	8/30/2012	13:00	KS	212		mg/L	9.89

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

West Pasco Class III Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84686 SAMPLE ID 4MW8 @ CLASS III  
DATE SAMPLED 8/28/2012  
DATE RECEIVED 8/28/2012 SAMPLER WMM  
TIME RECEIVED 15:45 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 11:04  
RECEIVED BY AS  
SAMPLE TYPE  
SP

ANALYSIS	ANALYSIS					RESULT	QUAL	UNIT	DET. LIMIT
	METHOD	DATE	TIME	BY					
Chloride	EPA 300.0	8/28/2012	16:00	AS	12.3		mg/L	0.08	

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS  
NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84687 SAMPLE ID 4MW13D @ RESREC  
DATE SAMPLED 8/28/2012  
DATE RECEIVED 8/28/2012 SAMPLER WMM  
TIME RECEIVED 15:45 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 9:45  
RECEIVED BY AS  
SAMPLE TYPE  
SP

ANALYSIS								DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	LIMIT
Conductivity Field	FDEP FT 12	8/28/2012	9:45	WM	422	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/28/2012	9:45	WM	0.63	D	mg/L	0.1
pH Field	FDEP FT 11	8/28/2012	9:45	WM	7.72	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/28/2012	9:45	WM	26.43	D	Deg C	0.00
Turbidity Field	FDEP FT 16	8/28/2012	9:45	WM	1.7	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	8/28/2012	9:45	WM	32.42	D	Ft.	0
Iron (Fe)	EPA 200.7	9/4/2012	9:45	TER	9.5	I	ug/L	2
Mercury (Hg)	SM 3112 B	9/6/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	9/4/2012	9:45	TER	11.8		mg/L	0.06
Ammonia (N)	SM 4500-N	9/19/2012	7:30	IF	0.04	U	mg/L	0.04
Nitrate (N)	EPA 300.0	8/28/2012	16:00	AS	0.26		mg/L	0.03
Color by Observation	Observation	8/28/2012	9:45	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84687 SAMPLE ID 4MW13D @ RESREC  
DATE SAMPLED 8/28/2012  
DATE RECEIVED 8/28/2012 SAMPLER WMM  
TIME RECEIVED 15:45 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 9:45  
RECEIVED BY AS  
SAMPLE TYPE  
SP

ANALYSIS	ANALYSIS					RESULT	QUAL	UNIT	DET. LIMIT
	METHOD	DATE	TIME	BY					
Total Dissolved Solids	SM 2540 C	8/30/2012	13:00	KS		304	Q	mg/L	9.89
Chloride	EPA 300.0	8/28/2012	16:00	AS		37.6		mg/L	0.08

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**



**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84780 SAMPLE ID 2MW27S @ RESREC  
DATE SAMPLED 8/29/2012  
DATE RECEIVED 8/29/2012 SAMPLER WMM  
TIME RECEIVED 16:00 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 15:29  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	DET. LIMIT
Conductivity Field	FDEP FT 12	8/29/2012	15:29	WM	669	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/29/2012	15:29	WM	0.55	D	mg/L	0.1
pH Field	FDEP FT 11	8/29/2012	15:29	WM	7.09	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/29/2012	15:29	WM	26.75	D	Deg C	0.00
Turbidity Field	FDEP FT 16	8/29/2012	15:29	WM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	8/29/2012	15:29	WM	34.79	D	Ft.	0
Iron (Fe)	EPA 200.7	9/4/2012	9:45	TER	4600		ug/L	2
Mercury (Hg)	SM 3112 B	9/6/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	9/4/2012	9:45	TER	24.3		mg/L	0.06
Ammonia (N)	SM 4500-N	9/19/2012	7:30	IF	0.04	I	mg/L	0.04
Nitrate (N)	EPA 300.0	8/29/2012	18:20	AS	0.10	I	mg/L	0.07
Color by Observation	Observation	8/29/2012	15:29	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84780 SAMPLE ID 2MW27S @ RESREC  
DATE SAMPLED 8/29/2012  
DATE RECEIVED 8/29/2012 SAMPLER WMM  
TIME RECEIVED 16:00 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 15:29  
RECEIVED BY AC  
SAMPLE TYPE  
SP

		ANALYSIS					UNIT	DET. LIMIT
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL		
Total Dissolved Solids	SM 2540 C	8/30/2012	13:00	KS	438		mg/L	9.89
Chloride	EPA 300.0	8/29/2012	18:20	AS	36.3		mg/L	0.08

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84781 SAMPLE ID 2MW27D @ RESREC  
DATE SAMPLED 8/29/2012  
DATE RECEIVED 8/29/2012 SAMPLER WMM  
TIME RECEIVED 16:00 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 14:41  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS								DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	LIMIT
Conductivity Field	FDEP FT 12	8/29/2012	14:41	WM	691	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/29/2012	14:41	WM	0.33	D	mg/L	0.1
pH Field	FDEP FT 11	8/29/2012	14:41	WM	7.83	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/29/2012	14:41	WM	26.56	D	Deg C	0.00
Turbidity Field	FDEP FT 16	8/29/2012	14:41	WM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	8/29/2012	14:41	WM	34.78	D	Ft.	0
Iron (Fe)	EPA 200.7	9/4/2012	9:45	TER	64.2		ug/L	2
Mercury (Hg)	SM 3112 B	9/6/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	9/4/2012	9:45	TER	56.2		mg/L	0.06
Ammonia (N)	SM 4500-N	9/19/2012	7:30	IF	0.04	U	mg/L	0.04
Nitrate (N)	EPA 300.0	8/29/2012	18:20	AS	1.06		mg/L	0.07
Color by Observation	Observation	8/29/2012	14:41	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84781 SAMPLE ID 2MW27D @ RESREC  
DATE SAMPLED 8/29/2012  
DATE RECEIVED 8/29/2012 SAMPLER WMM  
TIME RECEIVED 16:00 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 14:41  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS	ANALYSIS					RESULT	QUAL	UNIT	DET. LIMIT
	METHOD	DATE	TIME	BY					
Total Dissolved Solids	SM 2540 C	8/30/2012	13:00	KS		506		mg/L	9.89
Chloride	EPA 300.0	9/5/2012	11:00	AS		5.08		mg/L	0.08

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84782 SAMPLE ID 4MW27 @ RESREC  
DATE SAMPLED 8/29/2012  
DATE RECEIVED 8/29/2012 SAMPLER WMM  
TIME RECEIVED 16:00 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 13:54  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS								DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	LIMIT
Conductivity Field	FDEP FT 12	8/29/2012	13:54	WM	675	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/29/2012	13:54	WM	0.33	D	mg/L	0.1
pH Field	FDEP FT 11	8/29/2012	13:54	WM	7.81	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/29/2012	13:54	WM	25.52	D	Deg C	0.00
Turbidity Field	FDEP FT 16	8/29/2012	13:54	WM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	8/29/2012	13:54	WM	34.85	D	Ft.	0
Iron (Fe)	EPA 200.7	9/4/2012	9:45	TER	19.9		ug/L	2
Mercury (Hg)	SM 3112 B	9/6/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	9/4/2012	9:45	TER	54.3		mg/L	0.06
Ammonia (N)	SM 4500-N	9/19/2012	7:30	IF	0.04	U	mg/L	0.04
Nitrate (N)	EPA 300.0	8/29/2012	18:20	AS	0.50		mg/L	0.07
Color by Observation	Observation	8/29/2012	13:54	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84782 SAMPLE ID 4MW27 @ RESREC  
DATE SAMPLED 8/29/2012  
DATE RECEIVED 8/29/2012 SAMPLER WMM  
TIME RECEIVED 16:00 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 13:54  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS	ANALYSIS					RESULT	QUAL	UNIT	DET. LIMIT
	METHOD	DATE	TIME	BY					
Total Dissolved Solids	SM 2540 C	8/30/2012	13:00	KS		490		mg/L	9.89
Chloride	EPA 300.0	9/11/2012	11:00	AS		124		mg/L	0.08

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84783 SAMPLE ID 4MW27D @ RESREC  
DATE SAMPLED 8/29/2012  
DATE RECEIVED 8/29/2012 SAMPLER WMM  
TIME RECEIVED 16:00 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 11:40  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS								DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	LIMIT
Conductivity Field	FDEP FT 12	8/29/2012	11:40	WM	233	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	8/29/2012	11:40	WM	0.44	D	mg/L	0.1
pH Field	FDEP FT 11	8/29/2012	11:40	WM	8.29	D	Std Units	0.10
Temperature Field	FDEP FT 14	8/29/2012	11:40	WM	25.77	D	Deg C	0.00
Turbidity Field	FDEP FT 16	8/29/2012	11:40	WM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	8/29/2012	11:40	WM	34.82	D	Ft.	0
Iron (Fe)	EPA 200.7	9/4/2012	9:45	TER	83.2		ug/L	2
Mercury (Hg)	SM 3112 B	9/6/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	9/4/2012	9:45	TER	3.52		mg/L	0.06
Ammonia (N)	SM 4500-N	9/19/2012	7:30	IF	0.27		mg/L	0.04
Nitrate (N)	EPA 300.0	8/29/2012	18:20	AS	0.07	U	mg/L	0.07
Color by Observation	Observation	8/29/2012	11:40	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84783 SAMPLE ID 4MW27D @ RESREC  
DATE SAMPLED 8/29/2012  
DATE RECEIVED 8/29/2012 SAMPLER WMM  
TIME RECEIVED 16:00 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 11:40  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS								DET. LIMIT
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	
Total Dissolved Solids	SM 2540 C	8/30/2012	13:00	KS	146		mg/L	9.89
Chloride	EPA 300.0	8/29/2012	18:20	AS	4.98		mg/L	0.08

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**



**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84987      SAMPLE ID 2MW15DA @ RESREC  
DATE SAMPLED 9/4/2012  
DATE RECEIVED 9/4/2012      SAMPLER WMM  
TIME RECEIVED 15:35      DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 10:10  
RECEIVED BY AS  
SAMPLE TYPE  
SP

ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	DET. LIMIT
Conductivity Field	FDEP FT 12	9/4/2012	10:10	WM	288	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	9/4/2012	10:10	WM	1.09	D	mg/L	0.1
pH Field	FDEP FT 11	9/4/2012	10:10	WM	7.76	D	Std Units	0.10
Temperature Field	FDEP FT 14	9/4/2012	10:10	WM	27.55	D	Deg C	0.00
Turbidity Field	FDEP FT 16	9/4/2012	10:10	WM	13.2	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	9/4/2012	10:10	WM	35.86	D	Ft.	0
Iron (Fe)	EPA 200.7	9/12/2012	10:15	TER	158		ug/L	2
Mercury (Hg)	SM 3112 B	9/6/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	9/12/2012	10:15	TER	4.48		mg/L	0.06
Ammonia (N)	SM 4500-N	9/19/2012	7:30	IF	0.06	I	mg/L	0.04
Nitrate (N)	SM 4500-N	9/6/2012	8:00	IF	0.28		mg/L	0.02
Color by Observation	Observation	9/4/2012	10:10	WM	CLOUDY	D	ObsColor	0

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84987 SAMPLE ID 2MW15DA @ RESREC  
DATE SAMPLED 9/4/2012  
DATE RECEIVED 9/4/2012 SAMPLER WMM  
TIME RECEIVED 15:35 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 10:10  
RECEIVED BY AS  
SAMPLE TYPE  
SP

ANALYSIS								DET. LIMIT
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	
Total Dissolved Solids	SM 2540 C	9/7/2012	12:00	KS	180		mg/L	9.89
Chloride	EPA 300.0	9/11/2012	11:00	AS	8.55		mg/L	0.08

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84988      SAMPLE ID 2MW-24D @ RESREC  
DATE SAMPLED 9/4/2012  
DATE RECEIVED 9/4/2012      SAMPLER WMM  
TIME RECEIVED 15:35      DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 11:40  
RECEIVED BY AS  
SAMPLE TYPE  
SP

ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	DET. LIMIT
Conductivity Field	FDEP FT 12	9/4/2012	11:40	WM	493	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	9/4/2012	11:40	WM	0.56	D	mg/L	0.1
pH Field	FDEP FT 11	9/4/2012	11:40	WM	7.75	D	Std Units	0.10
Temperature Field	FDEP FT 14	9/4/2012	11:40	WM	28.93	D	Deg C	0.00
Turbidity Field	FDEP FT 16	9/4/2012	11:40	WM	4.3	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	9/4/2012	11:40	WM	29.99	D	Ft.	0
Iron (Fe)	EPA 200.7	9/12/2012	10:15	TER	62.0		ug/L	2
Mercury (Hg)	SM 3112 B	9/6/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	9/12/2012	10:15	TER	24.1		mg/L	0.06
Ammonia (N)	SM 4500-N	9/19/2012	7:30	IF	0.04	I	mg/L	0.04
Nitrate (N)	SM 4500-N	9/6/2012	8:00	IF	1.12		mg/L	0.02
Color by Observation	Observation	9/4/2012	11:40	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84988 SAMPLE ID 2MW-24D @ RESREC  
DATE SAMPLED 9/4/2012  
DATE RECEIVED 9/4/2012 SAMPLER WMM  
TIME RECEIVED 15:35 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 11:40  
RECEIVED BY AS  
SAMPLE TYPE  
SP

		ANALYSIS					DET. LIMIT
ANALYSIS		METHOD	DATE	TIME	BY	RESULT QUAL UNIT	
Total Dissolved Solids		SM 2540 C	9/7/2012	12:00	KS	352 mg/L	9.89
Chloride		EPA 300.0	9/11/2012	11:00	AS	61.4 mg/L	0.08

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY**  
**8864 GOVERNMENT DRIVE**  
**NEW PORT RICHEY, FL 34654**  
**PHONE 727-847-8902**

**NELAC E44123**  
**CONTACTS:**  
**GLORIA KRUEGER**  
**CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
 Class I Landfill  
 Hays Road  
 Shady Hills, Fl  
 John Power

Date: 11/7/2012

SAMPLE NUMBER AB84989      SAMPLE ID 2MW-25D @ RESREC  
 DATE SAMPLED 9/4/2012  
 DATE RECEIVED 9/4/2012      SAMPLER WMM  
 TIME RECEIVED 15:35      DELIVERED BY WMM

SAMPLE MATRIX AQU  
 TIME SAMPLED 15:03  
 RECEIVED BY AS  
 SAMPLE TYPE  
 SP

ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	DET. LIMIT
Conductivity Field	FDEP FT 12	9/4/2012	15:03	WM	615	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	9/4/2012	15:03	WM	0.74	D	mg/L	0.1
pH Field	FDEP FT 11	9/4/2012	15:03	WM	7.44	D	Std Units	0.10
Temperature Field	FDEP FT 14	9/4/2012	15:03	WM	29.10	D	Deg C	0.00
Turbidity Field	FDEP FT 16	9/4/2012	15:03	WM	4.3	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	9/4/2012	15:03	WM	20.93	D	Ft.	0
Iron (Fe)	EPA 200.7	9/12/2012	10:15	TER	61.6		ug/L	2
Mercury (Hg)	SM 3112 B	9/6/2012	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	9/12/2012	10:15	TER	30.5		mg/L	0.06
Ammonia (N)	SM 4500-N	9/19/2012	7:30	IF	0.04	I	mg/L	0.04
Nitrate (N)	SM 4500-N	9/6/2012	8:00	IF	0.02	U	mg/L	0.02
Color by Observation	Observation	9/4/2012	15:03	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB84989 SAMPLE ID 2MW-25D @ RESREC  
DATE SAMPLED 9/4/2012  
DATE RECEIVED 9/4/2012 SAMPLER WMM  
TIME RECEIVED 15:35 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 15:03  
RECEIVED BY AS  
SAMPLE TYPE  
SP

		ANALYSIS					UNIT	DET. LIMIT
ANALYSIS		METHOD	DATE	TIME	BY	RESULT		
Total Dissolved Solids		SM 2540 C	9/7/2012	12:00	KS	434	mg/L	9.89
Chloride		EPA 300.0	9/19/2012	8:30	AS	64.9	mg/L	0.08

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

West Pasco Class III Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB85078      SAMPLE ID 4MW21 @ CLASS III  
DATE SAMPLED 9/5/2012  
DATE RECEIVED 9/5/2012      SAMPLER WMM  
TIME RECEIVED 15:30      DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 12:32  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS	ANALYSIS							DET. LIMIT
	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	
Conductivity Field	FDEP FT 12	9/5/2012	12:32	WM	156	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	9/5/2012	12:32	WM	1.34	D	mg/L	0.1
pH Field	FDEP FT 11	9/5/2012	12:32	WM	5.96	D	Std Units	0.10
Temperature Field	FDEP FT 14	9/5/2012	12:32	WM	27.88	D	Deg C	0.00
Turbidity Field	FDEP FT 16	9/5/2012	12:32	WM	1.6	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	9/5/2012	12:32	WM	33.34	D	Ft.	0
Iron (Fe)	EPA 200.7	9/12/2012	10:15	TER	808		ug/L	2
Mercury (Hg)	SM 3112 B	9/13/2012	10:45	TER	0.07	I	ug/L	0.03
Sodium (Na)	EPA 200.7	9/12/2012	10:15	TER	0.81		mg/L	0.06
Ammonia (N)	SM 4500-N	9/19/2012	7:30	IF	0.04	U	mg/L	0.04
Nitrate (N)	SM 4500-N	9/6/2012	8:00	IF	7.59		mg/L	0.02
Color by Observation	Observation	9/5/2012	12:32	WM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	9/7/2012	12:00	KS	140		mg/L	9.89

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

West Pasco Class III Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB85078      SAMPLE ID 4MW21 @ CLASS III  
DATE SAMPLED 9/5/2012  
DATE RECEIVED 9/5/2012      SAMPLER WMM  
TIME RECEIVED 15:30      DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 12:32  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS	ANALYSIS					RESULT	QUAL	UNIT	DET. LIMIT
	METHOD	DATE	TIME	BY					
Chloride	EPA 300.0	9/11/2012	11:00	AS	14.4		mg/L	0.08	

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS  
NELAC Certification # E44123**



**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

West Pasco Class III Landfill  
Hays Road  
Shady Hills, FL  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB85079      SAMPLE ID 4MW22 @ CLASS III  
DATE SAMPLED 9/5/2012  
DATE RECEIVED 9/5/2012      SAMPLER WMM  
TIME RECEIVED 15:30      DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 13:37  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	DET. LIMIT
Conductivity Field	FDEP FT 12	9/5/2012	13:37	WM	402	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	9/5/2012	13:37	WM	0.58	D	mg/L	0.1
pH Field	FDEP FT 11	9/5/2012	13:37	WM	7.62	D	Std Units	0.10
Temperature Field	FDEP FT 14	9/5/2012	13:37	WM	27.79	D	Deg C	0.00
Turbidity Field	FDEP FT 16	9/5/2012	13:37	WM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	9/5/2012	13:37	WM	32.13	D	Ft.	0
Iron (Fe)	EPA 200.7	9/12/2012	10:15	TER	148		ug/L	2
Mercury (Hg)	SM 3112 B	9/13/2012	10:45	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	9/12/2012	10:15	TER	6.39		mg/L	0.06
Ammonia (N)	SM 4500-N	9/19/2012	7:30	IF	0.04	U	mg/L	0.04
Nitrate (N)	SM 4500-N	9/6/2012	8:00	IF	0.02	U	mg/L	0.02
Color by Observation	Observation	9/5/2012	13:37	WM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	9/7/2012	12:00	KS	268		mg/L	9.89

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

West Pasco Class III Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB85079 SAMPLE ID 4MW22 @ CLASS III  
DATE SAMPLED 9/5/2012  
DATE RECEIVED 9/5/2012 SAMPLER WMM  
TIME RECEIVED 15:30 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 13:37  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS	ANALYSIS					RESULT	QUAL	UNIT	DET. LIMIT
	METHOD	DATE	TIME	BY					
Chloride	EPA 300.0	9/11/2012	11:00	AS	18.7		mg/L	0.08	

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS  
NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB85080      SAMPLE ID 2MW-26D @ RESREC  
DATE SAMPLED 9/5/2012  
DATE RECEIVED 9/5/2012      SAMPLER WMM  
TIME RECEIVED 15:30      DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 14:57  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS								DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	LIMIT
Conductivity Field	FDEP FT 12	9/5/2012	14:57	WM	534	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	9/5/2012	14:57	WM	0.86	D	mg/L	0.1
pH Field	FDEP FT 11	9/5/2012	14:57	WM	7.66	D	Std Units	0.10
Temperature Field	FDEP FT 14	9/5/2012	14:57	WM	27.05	D	Deg C	0.00
Turbidity Field	FDEP FT 16	9/5/2012	14:57	WM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	9/5/2012	14:57	WM	34.68	D	Ft.	0
Iron (Fe)	EPA 200.7	9/12/2012	10:15	TER	42.7		ug/L	2
Mercury (Hg)	SM 3112 B	9/13/2012	10:45	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	9/12/2012	10:15	TER	29.7		mg/L	0.06
Ammonia (N)	SM 4500-N	9/19/2012	7:30	IF	0.04	U	mg/L	0.04
Nitrate (N)	SM 4500-N	9/6/2012	8:00	IF	0.02	U	mg/L	0.02
Color by Observation	Observation	9/5/2012	14:57	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER AB85080 SAMPLE ID 2MW-26D @ RESREC  
DATE SAMPLED 9/5/2012  
DATE RECEIVED 9/5/2012 SAMPLER WMM  
TIME RECEIVED 15:30 DELIVERED BY WMM

SAMPLE MATRIX AQU  
TIME SAMPLED 14:57  
RECEIVED BY AC  
SAMPLE TYPE  
SP

ANALYSIS	ANALYSIS					UNIT	DET. LIMIT
	METHOD	DATE	TIME	BY	RESULT		
Total Dissolved Solids	SM 2540 C	9/7/2012	12:00	KS	372	mg/L	9.89
Chloride	EPA 300.0	9/11/2012	11:00	AS	9.55	mg/L	0.08

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Date: 11/7/2012

SAMPLE NUMBER	AB87703	SAMPLE ID	A1 PRIMARY TANK @ RESREC	SAMPLE MATRIX	AQU
DATE SAMPLED	11/1/2012			TIME SAMPLED	9:30
DATE RECEIVED	11/1/2012	SAMPLER	WMM	RECEIVED BY	KS
TIME RECEIVED	15:40	DELIVERED BY	WMM	SAMPLE TYPE	PP

		ANALYSIS						DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	LIMIT
Conductivity Field	FDEP FT 12	11/1/2012	9:30	WM	8000	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	11/1/2012	9:30	WM	4.81	D	mg/L	0.1
pH Field	FDEP FT 11	11/1/2012	9:30	WM	6.14	D	Std Units	0.10
Temperature Field	FDEP FT 14	11/1/2012	9:30	WM	23.39	D	Deg C	0.00
Silver (Ag)	EPA 200.7				PENDING		ug/L	
Arsenic (As)	SM 3113 B				PENDING		ug/L	
Beryllium (Be)	EPA 200.7				PENDING		ug/L	
Cadmium (Cd)	EPA 200.7				PENDING		ug/L	
Chromium (Cr)	EPA 200.7				PENDING		ug/L	
Copper (Cu)	EPA 200.7				PENDING		ug/L	
Mercury (Hg)	SM 3112 B				PENDING		ug/L	
Molybdenum, Total, AA	SM3113B				PENDING		mg/L	

ANALYSIS COMMENTS:

**LABORATORY DIRECTOR** \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**

**ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DRIVE  
NEW PORT RICHEY, FL 34654  
PHONE 727-847-8902**

**NELAC E44123  
CONTACTS:  
GLORIA KRUEGER  
CHRIS CHILDRESS**

**REPORT OF ANALYSES**

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Date: 11/7/2012

SAMPLE NUMBER	AB87703	SAMPLE ID	A1 PRIMARY TANK @ RESREC	SAMPLE MATRIX	AQU
DATE SAMPLED	11/1/2012			TIME SAMPLED	9:30
DATE RECEIVED	11/1/2012	SAMPLER	WMM	RECEIVED BY	KS
TIME RECEIVED	15:40	DELIVERED BY	WMM	SAMPLE TYPE	PP

ANALYSIS	METHOD	DATE	ANALYSIS			RESULT	QUAL	UNIT	DET. LIMIT
			TIME	BY					
Nickel (Ni)	EPA 200.7					PENDING		ug/L	
Lead (Pb)	EPA 200.7					PENDING		ug/L	
Selenium	EPA 200.7					PENDING		ug/L	
Zinc (Zn)	EPA 200.7					PENDING		ug/L	
Color by Observation	Observation	11/1/2012	9:30	WM		CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C					PENDING		mg/L	
Chloride	EPA 300.0					PENDING		mg/L	
Sulfate	EPA 300.0					PENDING		mg/L	

ANALYSIS COMMENTS:

LABORATORY DIRECTOR \_\_\_\_\_

**THIS DOCUMENT MEETS NELAC STANDARDS**

**NELAC Certification # E44123**