



PASCO COUNTY, FLORIDA

"Bringing Opportunities Home"

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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

Dept. of Environmental
Protection

NOV 13 2012

Southwest District

RE: Pasco County Resource Recovery
WACs ID # 45799
Compliance Monitoring
Semester II, 2012

Dear Mr. Morris

Attached please find the hard copy submittal 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. Ground Water Monitoring Report Certification

This information has also been electronically submitted in ADaPT format as required by the Department.

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

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: **Resource Recovery Class I Landfill Hays Road**

Test Site ID #: 2464

Sampling Date/Time: 08/14/2012 @ 10:30

Well Name: A-1 Primary Tank Leachate

Report Period: 2012 Quarter III

Classification of Groundwater: NA

Well Purged: YES

Groundwater Elevation (NGVD): N/A

Well Type: SO

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000620	Nitrate	Well Wizard Ded. Mon. System	No	SM 4500NO ₃ F	08/15/12 8:00	2.47	mg/L	0.02	mg/L
000940	Chloride	"	No	EPA 300.0	08/21/12 9:00	868	mg/L	0.48	mg/L
000400	pH-Field	"	No	FDEP FT 11	08/14/12 10:30	7.59	Std. Units	0.10	Std. Units
070300	Total Dis. Solids	"	No	SM 2540C	08/15/12 14:30	2542	mg/L	9.89	mg/L
000344	Dissolved Oxygen	"	No	FDEP FT 15	08/14/12 10:30	2.46	mg/L	0.1	mg/L
000410	Bicarbonate	"	No	SM 2320B	08/23/12 16:00	94.6	mg/L	0.62	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12	08/14/12 10:30	3310	µmhos/cm	1	µmhos/cm
000010	Temperature (Field)	"	No	FDEP FT 14	08/14/12 10:30	28.47	° C	0.00	° C
000810	Ammonia	"	No	SM 4500NH ₃ B	08/17/12 7:30	<0.04	mg/L	0.04	mg/L
900216	Color	"	No	Observation	08/14/12 10:30	CLEAR	ObsColor	0	ObsColor
001045	Iron	"	No	EPA 200.7	08/28/12 10:20	26.5	ug/L	2	ug/L
000929	Sodium	"	No	EPA 200.7	08/28/12 10:20	294	mg/L	0.08	mg/L
071900	Mercury	"	No	SM 3112B	08/29/12 10:30	0.03	ug/L	0.03	ug/L

SOUTHERN ANALYTICAL LABORATORIES, INC.

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



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

September 12, 2012
Work Order: 1209143

Laboratory Report

Project Name PASCO COUNTY RESOURCE RECOVERY

Sample Description A-1 PRIMARY 2454
Matrix Other aqueous
SAL Sample Number 1209143-01
Date/Time Collected 08/14/12 10:30
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	2.9 I	EPA 8260	4.0	2.0		08/17/12 16:27	JRW
Acetonitrile	ug/L	2.1 U	EPA 8260	4.0	2.1		08/17/12 16:27	JRW
Acrolein	ug/L	1.2 U	EPA 8260	4.0	1.2		08/17/12 16:27	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		08/17/12 16:27	JRW
Allyl chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 16:27	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 16:27	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/17/12 16:27	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/17/12 16:27	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 16:27	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 16:27	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 16:27	JRW
Chloroprene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 16:27	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 16:27	JRW
1,3-Dichlorobenzene	ug/L	0.07 U	EPA 8260	0.8	0.07		08/17/12 16:27	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		08/17/12 16:27	JRW
Dichlorodifluoromethane	ug/L	0.5 U	EPA 8260	1.6	0.5		08/17/12 16:27	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 16:27	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/17/12 16:27	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
1,3-Dichloropropane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 16:27	JRW
2,2-Dichloropropane	ug/L	0.3 U	EPA 8260	0.8	0.3		08/17/12 16:27	JRW
1,1-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 16:27	JRW

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Date/Time Received 08/15/12 14:00

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Ethylbenzene	ug/L	0.1 I	EPA 8260	0.8	0.08		08/17/12 16:27	JRW
Ethyl Methacrylate	ug/L	0.3 U	EPA 8260	0.8	0.3		08/17/12 16:27	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		08/17/12 16:27	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
Isobutyl alcohol	ug/L	14 U	EPA 8260	20	14		08/17/12 16:27	JRW
Methacrylonitrile	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
Methyl methacrylate	ug/L	0.3 U	EPA 8260	0.8	0.3		08/17/12 16:27	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		08/17/12 16:27	JRW
Propionitrile	ug/L	2.2 U	EPA 8260	4.0	2.2		08/17/12 16:27	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		08/17/12 16:27	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 16:27	JRW
Toluene	ug/L	0.4 I	EPA 8260	0.8	0.09		08/17/12 16:27	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/17/12 16:27	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 16:27	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		08/17/12 16:27	JRW
Xylene-m,p	ug/L	0.3 I	EPA 8260	1.6	0.2		08/17/12 16:27	JRW
Xylene-o	ug/L	0.2 I	EPA 8260	0.8	0.2		08/17/12 16:27	JRW
Xylenes- Total	ug/L	0.4 I	EPA 8260	0.8	0.1		08/17/12 16:27	JRW

Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0056 U	EPA 8011	0.023	0.0056	08/16/12 15:19	08/17/12 07:19	BTJ
1,2-Dibromoethane	ug/L	0.0056 U	EPA 8011	0.023	0.0056	08/16/12 15:19	08/17/12 07:19	BTJ

OrganoChlorine Pesticides

Aldrin	ug/L	0.005 U	EPA 8081	0.043	0.005	08/20/12 13:26	08/30/12 09:04	JKS
alpha-BHC	ug/L	0.009 U	EPA 8081	0.043	0.009	08/20/12 13:26	08/30/12 09:04	JKS
beta-BHC	ug/L	0.008 U	EPA 8081	0.043	0.008	08/20/12 13:26	08/30/12 09:04	JKS
delta-BHC	ug/L	0.006 U	EPA 8081	0.043	0.006	08/20/12 13:26	08/30/12 09:04	JKS
gamma-BHC	ug/L	0.009 U	EPA 8081	0.043	0.009	08/20/12 13:26	08/30/12 09:04	JKS
Chlordane	ug/L	0.054 U	EPA 8081	0.11	0.054	08/20/12 13:26	08/30/12 09:04	JKS
4,4'-DDD	ug/L	0.011 U	EPA 8081	0.043	0.011	08/20/12 13:26	08/30/12 09:04	JKS

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Matrix Other aqueous
SAL Sample Number 1209143-01
Date/Time Collected 08/14/12 10:30
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 09:04	JKS
4,4'-DDT	ug/L	0.010 U	EPA 8081	0.043	0.010	08/20/12 13:26	08/30/12 09:04	JKS
Dieldrin	ug/L	0.010 U	EPA 8081	0.043	0.010	08/20/12 13:26	08/30/12 09:04	JKS
Endosulfan I	ug/L	0.010 U	EPA 8081	0.043	0.010	08/20/12 13:26	08/30/12 09:04	JKS
Endosulfan II	ug/L	0.009 U	EPA 8081	0.043	0.009	08/20/12 13:26	08/30/12 09:04	JKS
Endosulfan sulfate	ug/L	0.010 U	EPA 8081	0.043	0.010	08/20/12 13:26	08/30/12 09:04	JKS
Endrin	ug/L	0.011 U	EPA 8081	0.043	0.011	08/20/12 13:26	08/30/12 09:04	JKS
Endrin Aldehyde	ug/L	0.011 U	EPA 8081	0.043	0.011	08/20/12 13:26	08/30/12 09:04	JKS
Endrin ketone	ug/L	0.006 U	EPA 8081	0.043	0.006	08/20/12 13:26	08/30/12 09:04	JKS
Heptachlor	ug/L	0.008 U	EPA 8081	0.043	0.008	08/20/12 13:26	08/30/12 09:04	JKS
Heptachlor epoxide	ug/L	0.010 U	EPA 8081	0.043	0.010	08/20/12 13:26	08/30/12 09:04	JKS
Methoxychlor	ug/L	0.051 U	EPA 8081	0.17	0.051	08/20/12 13:26	08/30/12 09:04	JKS
Toxaphene	ug/L	0.14 U	EPA 8081	0.54	0.14	08/20/12 13:26	08/30/12 09:04	JKS
Chlorinated Herbicides								
2,4-D	ug/L	0.33 U	EPA 8321	0.52	0.33	08/19/12 12:37	09/04/12 05:01	JKS
2,4,5-T	ug/L	0.26 U	EPA 8321	0.52	0.26	08/19/12 12:37	09/04/12 05:01	JKS
2,4,5-TP	ug/L	0.15 U	EPA 8321	0.52	0.15	08/19/12 12:37	09/04/12 05:01	JKS
Dinoseb	ug/L	0.39 U	EPA 8321	0.52	0.39	08/19/12 12:37	09/04/12 05:01	JKS
Polychlorinated Biphenyls (PCBs)								
PCB-1016	ug/L	0.071 U	EPA 8082	0.215	0.071	08/20/12 14:12	09/02/12 15:35	JKS
PCB-1221	ug/L	0.075 U	EPA 8082	0.215	0.075	08/20/12 14:12	09/02/12 15:35	JKS
PCB-1232	ug/L	0.075 U	EPA 8082	0.215	0.075	08/20/12 14:12	09/02/12 15:35	JKS
PCB-1242	ug/L	0.071 U	EPA 8082	0.215	0.071	08/20/12 14:12	09/02/12 15:35	JKS
PCB-1248	ug/L	0.075 U	EPA 8082	0.215	0.075	08/20/12 14:12	09/02/12 15:35	JKS
PCB-1254	ug/L	0.075 U	EPA 8082	0.215	0.075	08/20/12 14:12	09/02/12 15:35	JKS
PCB-1260	ug/L	0.069 U	EPA 8082	0.215	0.069	08/20/12 14:12	09/02/12 15:35	JKS
Base/Neutral and Acid Extractable Organic Compounds								
Acenaphthene	ug/L	0.019 U	EPA 8270	0.020	0.019	08/17/12 10:51	08/28/12 04:44	BTJ
Acenaphthylene	ug/L	0.003 U	EPA 8270	0.020	0.003	08/17/12 10:51	08/28/12 04:44	BTJ
Anthracene	ug/L	0.004 U	EPA 8270	0.020	0.004	08/17/12 10:51	08/28/12 04:44	BTJ
Benzo(a)anthracene	ug/L	0.002 U	EPA 8270	0.020	0.002	08/17/12 10:51	08/28/12 04:44	BTJ
Benzo(b)fluoranthene	ug/L	0.003 U	EPA 8270	0.020	0.003	08/17/12 10:51	08/28/12 04:44	BTJ
Benzo(k)fluoranthene	ug/L	0.003 U	EPA 8270	0.020	0.003	08/17/12 10:51	08/28/12 04:44	BTJ
Benzo(g,h,i)perylene	ug/L	0.009 U	EPA 8270	0.020	0.009	08/17/12 10:51	08/28/12 04:44	BTJ
Benzo(a)pyrene	ug/L	0.003 U	EPA 8270	0.020	0.003	08/17/12 10:51	08/28/12 04:44	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 11:36	BTJ

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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 11:36	BTJ
1,3-Dinitrobenzene	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 11:36	BTJ
1,4-Naphthoquinone	ug/L	0.2 U	EPA 8270**	2	0.2	08/17/12 10:51	08/31/12 11:36	BTJ
1,4-Phenylenediamine	ug/L	0.3 U	EPA 8270**	5	0.3	08/17/12 10:51	08/31/12 11:36	BTJ
1-Naphthylamine	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:36	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 11:36	BTJ
2,4,5-Trichlorophenol	ug/L	0.04 U	EPA 8270**	0.5	0.04	08/17/12 10:51	08/31/12 11:36	BTJ
2,4,6-Trichlorophenol	ug/L	0.05 U	EPA 8270	0.5	0.05	08/17/12 10:51	08/31/12 11:36	BTJ
2,4-Dichlorophenol	ug/L	0.06 U	EPA 8270	0.5	0.06	08/17/12 10:51	08/31/12 11:36	BTJ
2,4-Dimethylphenol	ug/L	0.4 U	EPA 8270	2	0.4	08/17/12 10:51	08/31/12 11:36	BTJ
2,4-Dinitrophenol	ug/L	2 U	EPA 8270	5	2	08/17/12 10:51	08/31/12 11:36	BTJ
2,4-Dinitrotoluene	ug/L	0.04 U	EPA 8270**	0.5	0.04	08/17/12 10:51	08/31/12 11:36	BTJ
2,6-Dinitrotoluene	ug/L	0.07 U	EPA 8270	0.5	0.07	08/17/12 10:51	08/31/12 11:36	BTJ
2-Acetylaminofluorene	ug/L	0.05 U	EPA 8270**	0.5	0.05	08/17/12 10:51	08/31/12 11:36	BTJ
2-Chloronaphthalene	ug/L	0.04 U	EPA 8270	0.5	0.04	08/17/12 10:51	08/31/12 11:36	BTJ
2-Chlorophenol	ug/L	0.06 U	EPA 8270	0.5	0.06	08/17/12 10:51	08/31/12 11:36	BTJ
2-Methylphenol	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:36	BTJ
2,6-Dichlorophenol	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 11:36	BTJ
2-Naphthylamine	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:36	BTJ
2-Nitroaniline	ug/L	0.04 U	EPA 8270**	0.5	0.04	08/17/12 10:51	08/31/12 11:36	BTJ
1,3,5-Trinitrobenzene	ug/L	0.2 U	EPA 8270**	2	0.2	08/17/12 10:51	08/31/12 11:36	BTJ
2-Nitrophenol	ug/L	0.06 U	EPA 8270	0.5	0.06	08/17/12 10:51	08/31/12 11:36	BTJ
o-Toluidine	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:36	BTJ
3,3-Dichlorobenzidine	ug/L	0.3 U	EPA 8270	0.5	0.3	08/17/12 10:51	08/31/12 11:36	BTJ
3,3'-Dimethylbenzidine	ug/L	0.3 U	EPA 8270**	2	0.3	08/17/12 10:51	08/31/12 11:36	BTJ
3/4-Methylphenol	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:36	BTJ
3-Methylcholanthrene	ug/L	0.05 U	EPA 8270**	0.5	0.05	08/17/12 10:51	08/31/12 11:36	BTJ
3-Nitroaniline	ug/L	0.09 U	EPA 8270**	0.5	0.09	08/17/12 10:51	08/31/12 11:36	BTJ
4,6-Dinitro-2-methylphenol	ug/L	0.2 U	EPA 8270	2	0.2	08/17/12 10:51	08/31/12 11:36	BTJ
4-Aminobiphenyl	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:36	BTJ
4-Bromophenyl phenyl ether	ug/L	0.1 U	EPA 8270	0.5	0.1	08/17/12 10:51	08/31/12 11:36	BTJ
4-Chloro-3-methylphenol	ug/L	0.05 U	EPA 8270	0.5	0.05	08/17/12 10:51	08/31/12 11:36	BTJ
4-Chloroaniline	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:36	BTJ
4-Chlorophenyl phenyl ether	ug/L	0.06 U	EPA 8270	0.5	0.06	08/17/12 10:51	08/31/12 11:36	BTJ
4-Nitroaniline	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:36	BTJ
4-Nitrophenol	ug/L	0.1 U	EPA 8270	2	0.1	08/17/12 10:51	08/31/12 11:36	BTJ
5-Nitro-o-toluidine	ug/L	0.04 U	EPA 8270**	0.5	0.04	08/17/12 10:51	08/31/12 11:36	BTJ

SOUTHERN ANALYTICAL LABORATORIES, INC.

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

September 12, 2012
Work Order: 1209143

Laboratory Report

Project Name PASCO COUNTY RESOURCE RECOVERY

Sample Description A-1 PRIMARY 2454
Matrix Other aqueous
SAL Sample Number 1209143-01
Date/Time Collected 08/14/12 10:30
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 11:36	BTJ
Acetophenone	ug/L	0.1 I,V	EPA 8270**	0.5	0.05	08/17/12 10:51	08/31/12 11:36	BTJ
Benzyl alcohol	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:36	BTJ
Bis(2-chloroethoxy)methane	ug/L	0.07 U	EPA 8270	0.5	0.07	08/17/12 10:51	08/31/12 11:36	BTJ
Bis(2-chloroethyl)ether	ug/L	0.06 U	EPA 8270	0.5	0.06	08/17/12 10:51	08/31/12 11:36	BTJ
Bis(2-chloroisopropyl) ether	ug/L	0.06 U	EPA 8270	0.5	0.06	08/17/12 10:51	08/31/12 11:36	BTJ
Bis(2-ethylhexyl)phthalate	ug/L	14	EPA 8270	2	0.6	08/17/12 10:51	08/31/12 11:36	BTJ
Butyl benzyl phthalate	ug/L	0.1 U	EPA 8270	0.5	0.1	08/17/12 10:51	08/31/12 11:36	BTJ
Chlorobenzilate	ug/L	0.2 U	EPA 8270**	2	0.2	08/17/12 10:51	08/31/12 11:36	BTJ
Diallate	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 11:36	BTJ
Dibenzofuran	ug/L	0.04 U	EPA 8270**	0.5	0.04	08/17/12 10:51	08/31/12 11:36	BTJ
Chrysene	ug/L	0.003 U	EPA 8270	0.020	0.003	08/17/12 10:51	08/28/12 04:44	BTJ
Diethyl phthalate	ug/L	1	EPA 8270	0.5	0.1	08/17/12 10:51	08/31/12 11:36	BTJ
Dimethoate	ug/L	0.05 U	EPA 8270**	0.5	0.05	08/17/12 10:51	08/31/12 11:36	BTJ
Dimethylphthalate	ug/L	5	EPA 8270	2	0.2	08/17/12 10:51	08/31/12 11:36	BTJ
Di-n-butyl phthalate	ug/L	3 V	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:36	BTJ
Di-n-octylphthalate	ug/L	0.1 U	EPA 8270	0.5	0.1	08/17/12 10:51	08/31/12 11:36	BTJ
Diphenylamine	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 11:36	BTJ
Disulfoton	ug/L	0.04 U	EPA 8270**	0.5	0.04	08/17/12 10:51	08/31/12 11:36	BTJ
Ethyl Methanesulfonate	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 11:36	BTJ
Famphur	ug/L	0.09 U	EPA 8270**	0.5	0.09	08/17/12 10:51	08/31/12 11:36	BTJ
Hexachlorobenzene	ug/L	0.07 U	EPA 8270	0.5	0.07	08/17/12 10:51	08/31/12 11:36	BTJ
Hexachlorobutadiene	ug/L	0.05 U	EPA 8270	0.5	0.05	08/17/12 10:51	08/31/12 11:36	BTJ
Hexachlorocyclopentadiene	ug/L	0.05 U	EPA 8270	0.5	0.05	08/17/12 10:51	08/31/12 11:36	BTJ
Hexachloroethane	ug/L	0.08 U	EPA 8270	0.5	0.08	08/17/12 10:51	08/31/12 11:36	BTJ
Hexachloropropene	ug/L	0.07 U	EPA 8270**	0.5	0.07	08/17/12 10:51	08/31/12 11:36	BTJ
Isodrin	ug/L	0.07 U	EPA 8270**	0.5	0.07	08/17/12 10:51	08/31/12 11:36	BTJ
Isophorone	ug/L	0.04 U	EPA 8270	0.5	0.04	08/17/12 10:51	08/31/12 11:36	BTJ
Isosafrole	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 11:36	BTJ
Kepone	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 11:36	BTJ
Methapyrilene	ug/L	0.7 U	EPA 8270**	2	0.7	08/17/12 10:51	08/31/12 11:36	BTJ
Methyl Methanesulfonate	ug/L	0.05 U	EPA 8270**	0.5	0.05	08/17/12 10:51	08/31/12 11:36	BTJ
Nitrobenzene	ug/L	0.08 U	EPA 8270	0.5	0.08	08/17/12 10:51	08/31/12 11:36	BTJ
N-Nitrosodibutylamine	ug/L	0.05 U	EPA 8270**	0.5	0.05	08/17/12 10:51	08/31/12 11:36	BTJ
N-Nitrosodiethylamine	ug/L	0.7	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 11:36	BTJ
N-Nitrosodimethylamine	ug/L	0.08 U	EPA 8270	0.5	0.08	08/17/12 10:51	08/31/12 11:36	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 11:36	BTJ

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New Port Richey, FL 34654

September 12, 2012
Work Order: 1209143

Laboratory Report

Project Name PASCO COUNTY RESOURCE RECOVERY

Sample Description A-1 PRIMARY 2454
Matrix Other aqueous
SAL Sample Number 1209143-01
Date/Time Collected 08/14/12 10:30
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 11:36	BTJ
N-Nitrosomethylethylamine	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:36	BTJ
N-Nitrosopiperidine	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 11:36	BTJ
N-Nitrosopyrrolidine	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:36	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 11:36	BTJ
Parathion	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 11:36	BTJ
Parathion,methyl	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 11:36	BTJ
p-Dimethylaminoazobenzene	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 11:36	BTJ
Pentachlorobenzene	ug/L	0.07 U	EPA 8270**	0.5	0.07	08/17/12 10:51	08/31/12 11:36	BTJ
Pentachloronitrobenzene	ug/L	0.07 U	EPA 8270**	0.5	0.07	08/17/12 10:51	08/31/12 11:36	BTJ
Pentachlorophenol	ug/L	0.3 U	EPA 8270	2	0.3	08/17/12 10:51	08/31/12 11:36	BTJ
Dibenzo(a,h)anthracene	ug/L	0.009 U	EPA 8270	0.020	0.009	08/17/12 10:51	08/28/12 04:44	BTJ
Phenacetin	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 11:36	BTJ
Phenol	ug/L	0.04 U	EPA 8270	0.5	0.04	08/17/12 10:51	08/31/12 11:36	BTJ
Phentermine	ug/L	3 U	EPA 8270**	10	3	08/17/12 10:51	08/31/12 11:36	BTJ
Phorate	ug/L	0.05 U	EPA 8270**	0.5	0.05	08/17/12 10:51	08/31/12 11:36	BTJ
Pronamide	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 11:36	BTJ
Safrole	ug/L	0.05 U	EPA 8270**	0.5	0.05	08/17/12 10:51	08/31/12 11:36	BTJ
Thionazin	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 11:36	BTJ
Fluoranthene	ug/L	0.002 U	EPA 8270	0.020	0.002	08/17/12 10:51	08/28/12 04:44	BTJ
Fluorene	ug/L	0.003 U	EPA 8270	0.020	0.003	08/17/12 10:51	08/28/12 04:44	BTJ
Indeno(1,2,3-cd)pyrene	ug/L	0.007 U	EPA 8270	0.020	0.007	08/17/12 10:51	08/28/12 04:44	BTJ
1-Methylnaphthalene	ug/L	0.21	EPA 8270**	0.020	0.003	08/17/12 10:51	08/28/12 04:44	BTJ
2-Methylnaphthalene	ug/L	0.32	EPA 8270	0.020	0.004	08/17/12 10:51	08/28/12 04:44	BTJ
Naphthalene	ug/L	0.31	EPA 8270	0.020	0.012	08/17/12 10:51	08/28/12 04:44	BTJ
Phenanthrene	ug/L	0.002 U	EPA 8270	0.020	0.002	08/17/12 10:51	08/28/12 04:44	BTJ
Pyrene	ug/L	0.002 U	EPA 8270	0.020	0.002	08/17/12 10:51	08/28/12 04:44	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	0.0050 U	EPA 420.1	0.080	0.0050	08/20/12 09:02	08/20/12 16:40	CDB
Sulfide	mg/L	0.51	SM 4500SF	0.40	0.10	08/20/12 10:05	08/20/12 14:05	MEJ
Metals								
Antimony	ug/L	34	EPA 6020	0.50	0.071	08/17/12 08:00	08/17/12 17:13	VWC
Arsenic	ug/L	12	EPA 6020	5.0	0.93	08/17/12 09:44	08/17/12 17:13	VWC
Barium	ug/L	83	EPA 6020	0.50	0.18	08/17/12 09:44	08/17/12 17:13	VWC
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	08/20/12 10:55	08/21/12 16:44	VWC

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New Port Richey, FL 34654

September 12, 2012

Work Order: 1209143

Laboratory Report

Project Name PASCO COUNTY RESOURCE RECOVERY

Sample Description A-1 PRIMARY 2454
Matrix Other aqueous
SAL Sample Number 1209143-01
Date/Time Collected 08/14/12 10:30
Collected by Wilfred Martfeld
Date/Time Received 08/15/12 14:00

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Cadmium	ug/L	1.4	EPA 6020	0.50	0.27	08/17/12 09:44	08/17/12 17:13	VWC
Chromium	ug/L	0.70 I	EPA 6020	5.0	0.35	08/17/12 09:44	08/17/12 17:13	VWC
Cobalt	ug/L	10 U	EPA 6010	100	10	08/20/12 10:55	08/21/12 16:44	VWC
Copper	ug/L	2.5	EPA 6020	0.50	0.13	08/17/12 09:44	08/17/12 17:13	VWC
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	08/17/12 09:44	08/17/12 17:13	VWC
Mercury	mg/L	0.00010 U	EPA 7470	0.00050	0.00010	08/17/12 11:44	08/17/12 16:25	VWC
Nickel	ug/L	16	EPA 6020	5.0	0.46	08/17/12 09:44	08/17/12 17:13	VWC
Selenium	ug/L	36	EPA 6020	5.0	0.93	08/17/12 08:00	08/17/12 17:13	VWC
Silver	mg/L	0.000069 U	EPA 6020	0.00050	0.000069	08/17/12 09:44	08/17/12 17:13	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	08/17/12 09:44	08/17/12 17:13	VWC
Tin	mg/L	0.10 U	EPA 6010	0.50	0.10	08/20/12 10:55	08/21/12 16:44	VWC
Vanadium	ug/L	11	EPA 6010	10	7.8	08/20/12 10:55	08/21/12 16:44	VWC
Zinc	ug/L	6.1	EPA 6020	5.0	0.88	08/17/12 09:44	08/17/12 17:13	VWC

PART III ANALYTICAL RESULTSFacility ID #: 45799Site: West Pasco Class III Landfill Hays RoadTest Site ID #: 2455Sampling Date/Time: 08/14/2012 @ 11:30Well Name: A-1 Secondary Tank LeachateReport Period: 2012 Quarter III

Classification of Groundwater:

Well Purged: YESGroundwater Elevation (NGVD): N/AWell Type: SO

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000620	Nitrate	Well Wizard Ded. Mon. System	No	SM 4500NO ₃ F	08/15/12 8:00	1.20	mg/L	0.02	mg/L
000940	Chloride	"	No	EPA 300.0	08/21/12 9:00	2193	mg/L	0.48	mg/L
000400	pH-Field	"	No	FDEP FT 11	08/14/12 11:30	7.59	Std. Units	0.10	Std. Units
070300	Total Dis. Solids	"	No	SM 2540C	08/15/12 14:30	4212	mg/L	9.89	mg/L
000344	Dissolved Oxygen	"	No	FDEP FT 15	08/14/12 11:30	3.11	mg/L	0.1	mg/L
000410	Bicarbonate	"	No	SM 2320B	08/23/12 16:00	156	mg/L	0.62	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12	08/14/12 11:30	6400	µmhos/cm	1	µmhos/cm
000010	Temperature (Field)	"	No	FDEP FT 14	08/14/12 11:30	29.00	° C	0.00	° C
000810	Ammonia	"	No	SM 4500NH ₃ B	08/17/12 7:30	<0.04	mg/L	0.04	mg/L
900216	Color	"	No	Observation	08/14/12 11:30	CLEAR	ObsColor	0	ObsColor
001045	Iron	"	No	EPA 200.7	08/28/12 10:20	8.0	ug/L	2	ug/L
000929	Sodium	"	No	EPA 200.7	08/28/12 10:20	516	mg/L	0.06	mg/L
071900	Mercury	"	No	SM 3112B	08/29/12 10:30	<0.03	ug/L	0.03	ug/L

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September 12, 2012
Work Order: 1209143

Laboratory Report

Project Name PASCO COUNTY RESOURCE RECOVERY

Sample Description A-1 SECONDARY 2455
Matrix Other aqueous
SAL Sample Number 1209143-02
Date/Time Collected 08/14/12 11:30
Collected by Wilfred Martfeld
Date/Time Received 08/15/12 14:00

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Volatile Organic Compounds								
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/17/12 17:00	JRW
Acetonitrile	ug/L	2.1 U	EPA 8260	4.0	2.1		08/17/12 17:00	JRW
Acrolein	ug/L	1.2 U	EPA 8260	4.0	1.2		08/17/12 17:00	JRW
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		08/17/12 17:00	JRW
Allyl chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 17:00	JRW
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 17:00	JRW
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/17/12 17:00	JRW
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		08/17/12 17:00	JRW
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 17:00	JRW
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 17:00	JRW
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 17:00	JRW
Chloroprene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 17:00	JRW
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 17:00	JRW
1,3-Dichlorobenzene	ug/L	0.07 U	EPA 8260	0.8	0.07		08/17/12 17:00	JRW
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		08/17/12 17:00	JRW
Dichlorodifluoromethane	ug/L	0.5 U	EPA 8260	1.6	0.5		08/17/12 17:00	JRW
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 17:00	JRW
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		08/17/12 17:00	JRW
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
1,3-Dichloropropane	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 17:00	JRW
2,2-Dichloropropane	ug/L	0.3 U	EPA 8260	0.8	0.3		08/17/12 17:00	JRW
1,1-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 17:00	JRW

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September 12, 2012
Work Order: 1209143

Laboratory Report

Project Name PASCO COUNTY RESOURCE RECOVERY

Sample Description A-1 SECONDARY 2455
Matrix Other aqueous
SAL Sample Number 1209143-02
Date/Time Collected 08/14/12 11:30
Collected by Wilfred Martfeld
Date/Time Received 08/15/12 14:00

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		08/17/12 17:00	JRW
Ethyl Methacrylate	ug/L	0.3 U	EPA 8260	0.8	0.3		08/17/12 17:00	JRW
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		08/17/12 17:00	JRW
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
Isobutyl alcohol	ug/L	14 U	EPA 8260	20	14		08/17/12 17:00	JRW
Methacrylonitrile	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
Methyl methacrylate	ug/L	0.3 U	EPA 8260	0.8	0.3		08/17/12 17:00	JRW
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		08/17/12 17:00	JRW
Propionitrile	ug/L	2.2 U	EPA 8260	4.0	2.2		08/17/12 17:00	JRW
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		08/17/12 17:00	JRW
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 17:00	JRW
Toluene	ug/L	0.2 I	EPA 8260	0.8	0.09		08/17/12 17:00	JRW
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		08/17/12 17:00	JRW
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		08/17/12 17:00	JRW
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		08/17/12 17:00	JRW
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		08/17/12 17:00	JRW
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		08/17/12 17:00	JRW
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		08/17/12 17:00	JRW

Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0056 U	EPA 8011	0.022	0.0056	08/16/12 15:19	08/17/12 07:40	BTJ
1,2-Dibromoethane	ug/L	0.0056 U	EPA 8011	0.022	0.0056	08/16/12 15:19	08/17/12 07:40	BTJ

OrganoChlorine Pesticides

Aldrin	ug/L	0.005 U	EPA 8081	0.043	0.005	08/20/12 13:26	08/30/12 09:30	JKS
alpha-BHC	ug/L	0.009 U	EPA 8081	0.043	0.009	08/20/12 13:26	08/30/12 09:30	JKS
beta-BHC	ug/L	0.008 U	EPA 8081	0.043	0.008	08/20/12 13:26	08/30/12 09:30	JKS
delta-BHC	ug/L	0.006 U	EPA 8081	0.043	0.006	08/20/12 13:26	08/30/12 09:30	JKS
gamma-BHC	ug/L	0.009 U	EPA 8081	0.043	0.009	08/20/12 13:26	08/30/12 09:30	JKS
Chlordane	ug/L	0.054 U	EPA 8081	0.11	0.054	08/20/12 13:26	08/30/12 09:30	JKS
4,4'-DDD	ug/L	0.011 U	EPA 8081	0.043	0.011	08/20/12 13:26	08/30/12 09:30	JKS

SOUTHERN ANALYTICAL LABORATORIES, INC.

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



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

September 12, 2012

Work Order: 1209143

Laboratory Report

Project Name PASCO COUNTY RESOURCE RECOVERY

Sample Description A-1 SECONDARY 2455
Matrix Other aqueous
SAL Sample Number 1209143-02
Date/Time Collected 08/14/12 11:30
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 09:30	JKS
4,4'-DDT	ug/L	0.010 U	EPA 8081	0.043	0.010	08/20/12 13:26	08/30/12 09:30	JKS
Dieldrin	ug/L	0.010 U	EPA 8081	0.043	0.010	08/20/12 13:26	08/30/12 09:30	JKS
Endosulfan I	ug/L	0.010 U	EPA 8081	0.043	0.010	08/20/12 13:26	08/30/12 09:30	JKS
Endosulfan II	ug/L	0.009 U	EPA 8081	0.043	0.009	08/20/12 13:26	08/30/12 09:30	JKS
Endosulfan sulfate	ug/L	0.010 U	EPA 8081	0.043	0.010	08/20/12 13:26	08/30/12 09:30	JKS
Endrin	ug/L	0.011 U	EPA 8081	0.043	0.011	08/20/12 13:26	08/30/12 09:30	JKS
Endrin Aldehyde	ug/L	0.011 U	EPA 8081	0.043	0.011	08/20/12 13:26	08/30/12 09:30	JKS
Endrin ketone	ug/L	0.006 U	EPA 8081	0.043	0.006	08/20/12 13:26	08/30/12 09:30	JKS
Heptachlor	ug/L	0.008 U	EPA 8081	0.043	0.008	08/20/12 13:26	08/30/12 09:30	JKS
Heptachlor epoxide	ug/L	0.010 U	EPA 8081	0.043	0.010	08/20/12 13:26	08/30/12 09:30	JKS
Methoxychlor	ug/L	0.051 U	EPA 8081	0.17	0.051	08/20/12 13:26	08/30/12 09:30	JKS
Toxaphene	ug/L	0.14 U	EPA 8081	0.54	0.14	08/20/12 13:26	08/30/12 09:30	JKS

Chlorinated Herbicides

2,4-D	ug/L	0.35 U	EPA 8321	0.54	0.35	08/19/12 12:37	09/04/12 05:47	JKS
2,4,5-T	ug/L	0.27 U	EPA 8321	0.54	0.27	08/19/12 12:37	09/04/12 05:47	JKS
2,4,5-TP	ug/L	0.15 U	EPA 8321	0.54	0.15	08/19/12 12:37	09/04/12 05:47	JKS
Dinoseb	ug/L	0.40 U	EPA 8321	0.54	0.40	08/19/12 12:37	09/04/12 05:47	JKS

Polychlorinated Biphenyls (PCBs)

PCB-1016	ug/L	0.071 U	EPA 8082	0.215	0.071	08/20/12 14:12	09/02/12 16:00	JKS
PCB-1221	ug/L	0.075 U	EPA 8082	0.215	0.075	08/20/12 14:12	09/02/12 16:00	JKS
PCB-1232	ug/L	0.075 U	EPA 8082	0.215	0.075	08/20/12 14:12	09/02/12 16:00	JKS
PCB-1242	ug/L	0.071 U	EPA 8082	0.215	0.071	08/20/12 14:12	09/02/12 16:00	JKS
PCB-1248	ug/L	0.075 U	EPA 8082	0.215	0.075	08/20/12 14:12	09/02/12 16:00	JKS
PCB-1254	ug/L	0.075 U	EPA 8082	0.215	0.075	08/20/12 14:12	09/02/12 16:00	JKS
PCB-1260	ug/L	0.069 U	EPA 8082	0.215	0.069	08/20/12 14:12	09/02/12 16:00	JKS

Base/Neutral and Acid Extractable Organic Compounds

Acenaphthene	ug/L	0.020 U	EPA 8270	0.021	0.020	08/17/12 10:51	08/28/12 05:15	BTJ
Acenaphthylene	ug/L	0.003 U	EPA 8270	0.021	0.003	08/17/12 10:51	08/28/12 05:15	BTJ
Anthracene	ug/L	0.004 U	EPA 8270	0.021	0.004	08/17/12 10:51	08/28/12 05:15	BTJ
Benzo(a)anthracene	ug/L	0.002 U	EPA 8270	0.021	0.002	08/17/12 10:51	08/28/12 05:15	BTJ
Benzo(b)fluoranthene	ug/L	0.003 U	EPA 8270	0.021	0.003	08/17/12 10:51	08/28/12 05:15	BTJ
Benzo(k)fluoranthene	ug/L	0.003 U	EPA 8270	0.021	0.003	08/17/12 10:51	08/28/12 05:15	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 05:15	BTJ
Benzo(a)pyrene	ug/L	0.004 U	EPA 8270	0.021	0.004	08/17/12 10:51	08/28/12 05:15	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 12:06	BTJ

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New Port Richey, FL 34654

September 12, 2012

Work Order: 1209143

Laboratory Report

Project Name PASCO COUNTY RESOURCE RECOVERY

Sample Description A-1 SECONDARY 2455
Matrix Other aqueous
SAL Sample Number 1209143-02
Date/Time Collected 08/14/12 11:30
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 12:06	BTJ
1,3-Dinitrobenzene	ug/L	0.07 U	EPA 8270**	0.5	0.07	08/17/12 10:51	08/31/12 12:06	BTJ
1,4-Naphthoquinone	ug/L	0.3 U	EPA 8270**	2	0.3	08/17/12 10:51	08/31/12 12:06	BTJ
1,4-Phenylenediamine	ug/L	0.3 U	EPA 8270**	5	0.3	08/17/12 10:51	08/31/12 12:06	BTJ
1-Naphthylamine	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 12:06	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 12:06	BTJ
2,4,5-Trichlorophenol	ug/L	0.04 U	EPA 8270**	0.5	0.04	08/17/12 10:51	08/31/12 12:06	BTJ
2,4,6-Trichlorophenol	ug/L	0.06 U	EPA 8270	0.5	0.06	08/17/12 10:51	08/31/12 12:06	BTJ
2,4-Dichlorophenol	ug/L	0.06 U	EPA 8270	0.5	0.06	08/17/12 10:51	08/31/12 12:06	BTJ
2,4-Dimethylphenol	ug/L	0.5 U	EPA 8270	2	0.5	08/17/12 10:51	08/31/12 12:06	BTJ
2,4-Dinitrophenol	ug/L	2 U	EPA 8270	5	2	08/17/12 10:51	08/31/12 12:06	BTJ
2,4-Dinitrotoluene	ug/L	0.05 U	EPA 8270**	0.5	0.05	08/17/12 10:51	08/31/12 12:06	BTJ
2,6-Dinitrotoluene	ug/L	0.08 U	EPA 8270	0.5	0.08	08/17/12 10:51	08/31/12 12:06	BTJ
2-Acetylaminofluorene	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 12:06	BTJ
2-Chloronaphthalene	ug/L	0.04 U	EPA 8270	0.5	0.04	08/17/12 10:51	08/31/12 12:06	BTJ
2-Chlorophenol	ug/L	0.06 U	EPA 8270	0.5	0.06	08/17/12 10:51	08/31/12 12:06	BTJ
2-Methylphenol	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 12:06	BTJ
2,6-Dichlorophenol	ug/L	0.07 U	EPA 8270**	0.5	0.07	08/17/12 10:51	08/31/12 12:06	BTJ
2-Naphthylamine	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 12:06	BTJ
2-Nitroaniline	ug/L	0.04 U	EPA 8270**	0.5	0.04	08/17/12 10:51	08/31/12 12:06	BTJ
1,3,5-Trinitrobenzene	ug/L	0.2 U	EPA 8270**	2	0.2	08/17/12 10:51	08/31/12 12:06	BTJ
2-Nitrophenol	ug/L	0.07 U	EPA 8270	0.5	0.07	08/17/12 10:51	08/31/12 12:06	BTJ
o-Toluidine	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 12:06	BTJ
3,3-Dichlorobenzidine	ug/L	0.3 U	EPA 8270	0.5	0.3	08/17/12 10:51	08/31/12 12:06	BTJ
3,3'-Dimethylbenzidine	ug/L	0.3 U	EPA 8270**	2	0.3	08/17/12 10:51	08/31/12 12:06	BTJ
3/4-Methylphenol	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 12:06	BTJ
3-Methylcholanthrene	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 12:06	BTJ
3-Nitroaniline	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 12:06	BTJ
4,6-Dinitro-2-methylphenol	ug/L	0.2 U	EPA 8270	2	0.2	08/17/12 10:51	08/31/12 12:06	BTJ
4-Aminobiphenyl	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 12:06	BTJ
4-Bromophenyl phenyl ether	ug/L	0.1 U	EPA 8270	0.5	0.1	08/17/12 10:51	08/31/12 12:06	BTJ
4-Chloro-3-methylphenol	ug/L	0.05 U	EPA 8270	0.5	0.05	08/17/12 10:51	08/31/12 12:06	BTJ
4-Chloroaniline	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 12:06	BTJ
4-Chlorophenyl phenyl ether	ug/L	0.07 U	EPA 8270	0.5	0.07	08/17/12 10:51	08/31/12 12:06	BTJ
4-Nitroaniline	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 12:06	BTJ
4-Nitrophenol	ug/L	0.1 U	EPA 8270	2	0.1	08/17/12 10:51	08/31/12 12:06	BTJ
5-Nitro-o-toluidine	ug/L	0.04 U	EPA 8270**	0.5	0.04	08/17/12 10:51	08/31/12 12:06	BTJ

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New Port Richey, FL 34654

September 12, 2012

Work Order: 1209143

Laboratory Report

Project Name PASCO COUNTY RESOURCE RECOVERY

Sample Description A-1 SECONDARY 2455
Matrix Other aqueous
SAL Sample Number 1209143-02
Date/Time Collected 08/14/12 11:30
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 12:06	BTJ
Acetophenone	ug/L	0.05 U,V	EPA 8270**	0.5	0.05	08/17/12 10:51	08/31/12 12:06	BTJ
Benzyl alcohol	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 12:06	BTJ
Bis(2-chloroethoxy)methane	ug/L	0.07 U	EPA 8270	0.5	0.07	08/17/12 10:51	08/31/12 12:06	BTJ
Bis(2-chloroethyl)ether	ug/L	0.07 U	EPA 8270	0.5	0.07	08/17/12 10:51	08/31/12 12:06	BTJ
Bis(2-chloroisopropyl) ether	ug/L	0.06 U	EPA 8270	0.5	0.06	08/17/12 10:51	08/31/12 12:06	BTJ
Bis(2-ethylhexyl)phthalate	ug/L	5	EPA 8270	2	0.6	08/17/12 10:51	08/31/12 12:06	BTJ
Butyl benzyl phthalate	ug/L	0.1 U	EPA 8270	0.5	0.1	08/17/12 10:51	08/31/12 12:06	BTJ
Chlorobenzilate	ug/L	0.2 U	EPA 8270**	2	0.2	08/17/12 10:51	08/31/12 12:06	BTJ
Diallate	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 12:06	BTJ
Dibenzofuran	ug/L	0.04 U	EPA 8270**	0.5	0.04	08/17/12 10:51	08/31/12 12:06	BTJ
Chrysene	ug/L	0.004 U	EPA 8270	0.021	0.004	08/17/12 10:51	08/28/12 05:15	BTJ
Diethyl phthalate	ug/L	0.5	EPA 8270	0.5	0.1	08/17/12 10:51	08/31/12 12:06	BTJ
Dimethoate	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 12:06	BTJ
Dimethylphthalate	ug/L	2	EPA 8270	2	0.2	08/17/12 10:51	08/31/12 12:06	BTJ
Di-n-butyl phthalate	ug/L	2 V	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 12:06	BTJ
Di-n-octylphthalate	ug/L	0.1 U	EPA 8270	0.5	0.1	08/17/12 10:51	08/31/12 12:06	BTJ
Diphenylamine	ug/L	0.09 U	EPA 8270**	0.5	0.09	08/17/12 10:51	08/31/12 12:06	BTJ
Disulfoton	ug/L	0.04 U	EPA 8270**	0.5	0.04	08/17/12 10:51	08/31/12 12:06	BTJ
Ethyl Methanesulfonate	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 12:06	BTJ
Famphur	ug/L	0.09 U	EPA 8270**	0.5	0.09	08/17/12 10:51	08/31/12 12:06	BTJ
Hexachlorobenzene	ug/L	0.08 U	EPA 8270	0.5	0.08	08/17/12 10:51	08/31/12 12:06	BTJ
Hexachlorobutadiene	ug/L	0.05 U	EPA 8270	0.5	0.05	08/17/12 10:51	08/31/12 12:06	BTJ
Hexachlorocyclopentadiene	ug/L	0.05 U	EPA 8270	0.5	0.05	08/17/12 10:51	08/31/12 12:06	BTJ
Hexachloroethane	ug/L	0.08 U	EPA 8270	0.5	0.08	08/17/12 10:51	08/31/12 12:06	BTJ
Hexachloropropene	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 12:06	BTJ
Isodrin	ug/L	0.07 U	EPA 8270**	0.5	0.07	08/17/12 10:51	08/31/12 12:06	BTJ
Isophorone	ug/L	0.05 U	EPA 8270	0.5	0.05	08/17/12 10:51	08/31/12 12:06	BTJ
Isosafrole	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 12:06	BTJ
Kepone	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 12:06	BTJ
Methapyrilene	ug/L	0.8 U	EPA 8270**	2	0.8	08/17/12 10:51	08/31/12 12:06	BTJ
Methyl Methanesulfonate	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 12:06	BTJ
Nitrobenzene	ug/L	0.08 U	EPA 8270	0.5	0.08	08/17/12 10:51	08/31/12 12:06	BTJ
N-Nitrosodibutylamine	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 12:06	BTJ
N-Nitrosodiethylamine	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 12:06	BTJ
N-Nitrosodimethylamine	ug/L	0.09 U	EPA 8270	0.5	0.09	08/17/12 10:51	08/31/12 12:06	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 12:06	BTJ

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 New Port Richey, FL 34654

September 12, 2012
 Work Order: 1209143

Laboratory Report

Project Name		PASCO COUNTY RESOURCE RECOVERY						
Sample Description		A-1 SECONDARY 2455						
Matrix		Other aqueous						
SAL Sample Number		1209143-02						
Date/Time Collected		08/14/12 11:30						
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 12:06	BTJ
N-Nitrosomethylethylamine	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 12:06	BTJ
N-Nitrosopiperidine	ug/L	0.09 U	EPA 8270**	0.5	0.09	08/17/12 10:51	08/31/12 12:06	BTJ
N-Nitrosopyrrolidine	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 12:06	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 12:06	BTJ
Parathion	ug/L	0.09 U	EPA 8270**	0.5	0.09	08/17/12 10:51	08/31/12 12:06	BTJ
Parathion,methyl	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 12:06	BTJ
p-Dimethylaminoazobenzene	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 12:06	BTJ
Pentachlorobenzene	ug/L	0.07 U	EPA 8270**	0.5	0.07	08/17/12 10:51	08/31/12 12:06	BTJ
Pentachloronitrobenzene	ug/L	0.08 U	EPA 8270**	0.5	0.08	08/17/12 10:51	08/31/12 12:06	BTJ
Pentachlorophenol	ug/L	0.4 U	EPA 8270	2	0.4	08/17/12 10:51	08/31/12 12:06	BTJ
Dibenzo(a,h)anthracene	ug/L	0.010 U	EPA 8270	0.021	0.010	08/17/12 10:51	08/28/12 05:15	BTJ
Phenacetin	ug/L	0.1 U	EPA 8270**	0.5	0.1	08/17/12 10:51	08/31/12 12:06	BTJ
Phenol	ug/L	0.05 U	EPA 8270	0.5	0.05	08/17/12 10:51	08/31/12 12:06	BTJ
Phentermine	ug/L	3 U	EPA 8270**	11	3	08/17/12 10:51	08/31/12 12:06	BTJ
Phorate	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 12:06	BTJ
Pronamide	ug/L	0.07 U	EPA 8270**	0.5	0.07	08/17/12 10:51	08/31/12 12:06	BTJ
Safrole	ug/L	0.06 U	EPA 8270**	0.5	0.06	08/17/12 10:51	08/31/12 12:06	BTJ
Thionazin	ug/L	0.09 U	EPA 8270**	0.5	0.09	08/17/12 10:51	08/31/12 12:06	BTJ
Fluoranthene	ug/L	0.002 U	EPA 8270	0.021	0.002	08/17/12 10:51	08/28/12 05:15	BTJ
Fluorene	ug/L	0.004 U	EPA 8270	0.021	0.004	08/17/12 10:51	08/28/12 05:15	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 05:15	BTJ
1-Methylnaphthalene	ug/L	0.12	EPA 8270**	0.021	0.003	08/17/12 10:51	08/28/12 05:15	BTJ
2-Methylnaphthalene	ug/L	0.16	EPA 8270	0.021	0.005	08/17/12 10:51	08/28/12 05:15	BTJ
Naphthalene	ug/L	0.15	EPA 8270	0.021	0.013	08/17/12 10:51	08/28/12 05:15	BTJ
Phenanthrene	ug/L	0.002 U	EPA 8270	0.021	0.002	08/17/12 10:51	08/28/12 05:15	BTJ
Pyrene	ug/L	0.002 U	EPA 8270	0.021	0.002	08/17/12 10:51	08/28/12 05:15	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	0.059 I	EPA 420.1	0.080	0.0050	08/20/12 09:02	08/20/12 16:40	CDB
Sulfide	mg/L	0.10 U	SM 4500SF	0.40	0.10	08/20/12 10:05	08/20/12 14:05	MEJ
Metals								
Antimony	ug/L	4.7	EPA 6020	0.50	0.071	08/17/12 08:00	08/22/12 12:06	VWC
Arsenic	ug/L	18	EPA 6020	5.0	0.93	08/17/12 09:44	08/17/12 17:20	VWC
Barium	ug/L	130	EPA 6020	5.0	1.8	08/17/12 09:44	08/22/12 16:19	AWS
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	08/20/12 10:55	08/21/12 16:59	VWC

SOUTHERN ANALYTICAL LABORATORIES, INC.

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



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

September 12, 2012

Work Order: 1209143

Laboratory Report**Project Name PASCO COUNTY RESOURCE RECOVERY**

Sample Description A-1 SECONDARY 2455
Matrix Other aqueous
SAL Sample Number 1209143-02
Date/Time Collected 08/14/12 11:30
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 17:20	VWC
Chromium	ug/L	0.68 I	EPA 6020	5.0	0.35	08/17/12 09:44	08/17/12 17:20	VWC
Cobalt	ug/L	10 U	EPA 6010	100	10	08/20/12 10:55	08/21/12 16:59	VWC
Copper	ug/L	2.0	EPA 6020	0.50	0.13	08/17/12 09:44	08/17/12 17:20	VWC
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	08/17/12 09:44	08/17/12 17:20	VWC
Mercury	mg/L	0.00010 U	EPA 7470	0.00050	0.00010	08/17/12 11:44	08/17/12 16:26	VWC
Nickel	ug/L	31	EPA 6020	5.0	0.46	08/17/12 09:44	08/17/12 17:20	VWC
Selenium	ug/L	70	EPA 6020	5.0	0.93	08/17/12 08:00	08/17/12 17:20	VWC
Silver	mg/L	0.000069 U	EPA 6020	0.00050	0.000069	08/17/12 09:44	08/17/12 17:20	VWC
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	08/17/12 09:44	08/17/12 17:20	VWC
Tin	mg/L	0.10 U	EPA 6010	0.50	0.10	08/20/12 10:55	08/21/12 16:59	VWC
Vanadium	ug/L	11	EPA 6010	10	7.8	08/20/12 10:55	08/21/12 16:59	VWC
Zinc	ug/L	6.3	EPA 6020	5.0	0.88	08/17/12 09:44	08/17/12 17:20	VWC

PART III ANALYTICAL RESULTSFacility ID #: 45799Site: Resource Recovery Class I Landfill Hays RoadTest Site ID #: 2456Sampling Date/Time: 08/13/012 @ 11:00Well Name: SW Primary Tank LeachateReport Period: 2012 Quarter IIIClassification of Groundwater: NAWell Purged: YESGroundwater Elevation (NGVD): N/AWell Type: SO

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000820	Nitrate	Well Wizard Ded. Mon. System	No	SM 4500NO ₃ F	08/15/12 8:00	<0.02	mg/L	0.02	mg/L
000940	Chloride	"	No	EPA 300.0	08/21/12 9:00	386	mg/L	0.48	mg/L
000400	pH-Field	"	No	FDEP FT 11	08/13/12 11:00	7.25	Std. Units	0.10	Std. Units
070300	Total Dis. Solids	"	No	SM 2540C	08/15/12 14:30	1974	mg/L	9.89	mg/L
000344	Dissolved Oxygen	"	No	FDEP FT 15	08/13/12 11:00	1.6	mg/L	0.1	mg/L
000410	Bicarbonate	"	No	SM 2320B	08/23/12 16:00	1890	mg/L	0.62	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12	08/13/12 11:00	4220	µmhos/cm	1	µmhos/cm
000010	Temperature (Field)	"	No	FDEP FT 14	08/13/12 11:00	28.66	° C	0.00	° C
000810	Ammonia	"	No	SM 4500NH ₃ B	08/17/12 7:30	305	mg/L	0.04	mg/L
900216	Color	"	No	Observation	08/13/12 11:00	ORANGE	ObsColor	0	ObsColor
001045	Iron	"	No	EPA 200.7	08/28/12 10:20	9750	ug/L	2	ug/L
000929	Sodium	"	No	EPA 200.7	08/28/12 10:20	354	mg/L	0.06	mg/L
071900	Mercury	"	No	SM 3112B	08/29/12 10:30	<0.02	ug/L	0.03	ug/L

SOUTHERN ANALYTICAL LABORATORIES, INC.

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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

FDOH Laboratory No.E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q.A. Manager

SOUTHERN ANALYTICAL LABORATORIES, INC.

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



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
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
<u>Pesticide Analyses</u>								
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
<u>OrganoChlorine Pesticides</u>								
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

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Pasco County Environmental Laboratory
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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

SOUTHERN ANALYTICAL LABORATORIES, INC.

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



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

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 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

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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
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
<u>Inorganics</u>								
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
<u>Metals</u>								
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

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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

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2457

Sampling Date/Time: 08/13/2012 @ 12:00

Well Name: SW Secondary Tank Leachate

Report Period: 2012 Quarter III

Classification of Groundwater: NA

Well Purged: YES

Groundwater Elevation (NGVD): N/A

Well Type: SO

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000820	Nitrate	Well Wizard Ded. Mon. System	No	SM 4500NO ₃ F	08/15/12 8:00	0.87	mg/L	0.02	mg/L
000940	Chloride	"	No	EPA 300.0	08/21/12 9:00	460	mg/L	0.48	mg/L
000400	pH-Field	"	No	FDEP FT 11	08/13/12 12:00	7.70	Std. Units	0.10	Std. Units
070300	Total Dis. Solids	"	No	SM 2540C	08/15/12 14:30	1564	mg/L	9.89	mg/L
000344	Dissolved Oxygen	"	No	FDEP FT 15	08/13/12 12:00	0.72	mg/L	0.1	mg/L
000410	Bicarbonate	"	No	SM 2320B	08/23/12 16:00	1076	mg/L	0.62	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12	08/13/12 12:00	3200	µmhos/cm	1	µmhos/cm
000010	Temperature (Field)	"	No	FDEP FT 14	08/13/12 12:00	29.40	° C	0.00	° C
000810	Ammonia	"	No	SM 4500NH ₃ B	08/17/12 7:30	165	mg/L	0.04	mg/L
900216	Color	"	No	Observation	08/13/12 12:00	ORANGE	ObsColor	0	ObsColor
001045	Iron	"	No	EPA 200.7	08/28/12 10:20	3500	ug/L	2	ug/L
000929	Sodium	"	No	EPA 200.7	08/28/12 10:20	253	mg/L	0.06	mg/L
071900	Mercury	"	No	SM 3112B	08/28/12 10:30	<0.03	ug/L	0.03	ug/L

SOUTHERN ANALYTICAL LABORATORIES, INC.

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



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
<u>Volatile Organic Compounds</u>								
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

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 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

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 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
Chlorinated Herbicides								
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
Polychlorinated Biphenyls (PCBs)								
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
Base/Neutral and Acid Extractable Organic Compounds								
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 U	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

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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

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September 12, 2012
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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

FDOH Laboratory No.E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q.A. Manager

SOUTHERN ANALYTICAL LABORATORIES, INC.

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



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

SOUTHERN ANALYTICAL LABORATORIES, INC.

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



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



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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: 8/30/2012

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



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REPORT OF ANALYSES

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

Date: 8/30/2012

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

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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REPORT OF ANALYSES

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

Date: 8/30/2012

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

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NEW PORT RICHEY, FL 34654
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CONTACTS:
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REPORT OF ANALYSES

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

Date: 8/30/2012

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
Chloride		SM 4500-Cl-	8/21/2012	9:00	AS	2193	XC	mg/L	0.48

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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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: 8/30/2012

SAMPLE NUMBER AB84178
DATE SAMPLED 8/13/2012
DATE RECEIVED 8/13/2012
TIME RECEIVED 15:40

SAMPLE ID SW-1 PRIMARY TANK @ RESREC
SAMPLER WMM
DELIVERED BY WMM

SAMPLE MATRIX AQU
TIME SAMPLED 11:00
RECEIVED BY AC
SAMPLE TYPE PP

ANALYSIS

Conductivity Field
Dissolved Oxygen Field
pH Field
Temperature Field
Iron (Fe)
Mercury (Hg)
Sodium (Na)
Ammonia (N)
Nitrate (N)
Color by Observation
Total Dissolved Solids
Alkalinity

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	DET. LIMIT
FDEP FT 12	8/13/2012	11:00	WM	4220	D	umhos/cm	1
FDEP FT 15	8/13/2012	11:00	WM	1.6	D	mg/L	0.1
FDEP FT 11	8/13/2012	11:00	WM	7.25	D	Std Units	0.10
FDEP FT 14	8/13/2012	11:00	WM	28.66	D	Deg C	0.00
EPA 200.7	8/28/2012	10:20	TER	9750		ug/L	2
SM 3112 B	8/29/2012	10:30	TER	0.02	U	ug/L	0.03
EPA 200.7	8/28/2012	10:20	TER	354		mg/L	0.06
SM 4500-N	8/17/2012	7:30	IF	305		mg/L	0.04
SM 4500-N	8/15/2012	8:00	IF	0.02	U	mg/L	0.02
Observation	8/13/2012	11:00	WM	ORANGE	D	ObsColor	0
SM 2540 C	8/15/2012	14:30	KS	1974		mg/L	9.89
SM 2320 B	8/23/2012	16:00	AS	1890		mg/L	0.62

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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NELAC Certification # E44123



PASCO COUNTY, FLORIDA

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**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: 8/30/2012

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

Chloride

ANALYSIS

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

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

THIS DOCUMENT MEETS NELAC STANDARDS

NELAC Certification # E44123



PASCO COUNTY, FLORIDA

"Bringing Opportunities Home"

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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: 8/30/2012

SAMPLE NUMBER	AB84179	SAMPLE ID	SW-1 SECONDARY TANK @ RESRE	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

Conductivity Field
Dissolved Oxygen Field
pH Field
Temperature Field
Iron (Fe)
Mercury (Hg)
Sodium (Na)
Ammonia (N)
Nitrate (N)
Color by Observation
Total Dissolved Solids
Alkalinity

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	DET. LIMIT
FDEP FT 12	8/13/2012	12:00	WM	3200	D	umhos/cm	1
FDEP FT 15	8/13/2012	12:00	WM	0.72	D	mg/L	0.1
FDEP FT 11	8/13/2012	12:00	WM	7.70	D	Std Units	0.10
FDEP FT 14	8/13/2012	12:00	WM	29.40	D	Deg C	0.00
EPA 200.7	8/28/2012	10:20	TER	3500		ug/L	2
SM 3112 B	8/29/2012	10:30	TER	0.03	U	ug/L	0.03
EPA 200.7	8/28/2012	10:20	TER	253		mg/L	0.06
SM 4500-N	8/17/2012	7:30	IF	165		mg/L	0.04
SM 4500-N	8/15/2012	8:00	IF	0.87		mg/L	0.02
Observation	8/13/2012	12:00	WM	ORANGE	D	ObsColor	0
SM 2540 C	8/15/2012	14:30	KS	1564		mg/L	9.89
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



PASCO COUNTY, FLORIDA

"Bringing Opportunities Home"

**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: 8/30/2012

SAMPLE NUMBER	AB84179	SAMPLE ID	SW-1 SECONDARY TANK @ RESRE	SAMPLE MATRIX	AQU
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ANALYSIS	ANALYSIS							DET. LIMIT
	METHOD	DATE	TIME	BY	RESULT	QUAL	UNIT	
Chloride	SM 4500-Cl-	8/21/2012	9:00	AS	460	XC	mg/L	0.48

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

THIS DOCUMENT MEETS NELAC STANDARDS

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