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# PASCO COUNTY, FLORIDA

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

04 October 2004

Mr. John Morris  
Waste Management Section  
Florida Department of  
Environmental Protection  
3804 Coconut Palm Drive  
Tampa, Florida 33619

RE: West Pasco Class III Landfill  
Leachate Monitoring  
Semester II, 2004



Dear Mr. Morris:

Enclosed please find the analytical results for the 8260 analytes (volatile organic compounds) conducted on the two leachate tanks at the West Pasco Class III Landfill. These results are submitted for the second semester sampling period (Jul-Dec). The remainder of the Appendix I analytes were previously submitted. Due to the extensive hurricane activity, problems were encountered by the contract laboratory with instrument set-up and recalibration and holding times. Therefore additional samples were needed to complete the Appendix I analysis.

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

Sincerely,

Candia E. Mulhern  
Laboratory Manager

Enc.: 1

cc: MS 4565-Solid Waste Section, Florida Department of Environmental Protection, 2600 Blair Stone Road,  
Tallahassee, FL 32399-2400  
Bruce E. Kennedy, Acting Assistant County Administrator (Utilities Services)  
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director  
John Power, Solid Waste Facility Manager

## Analytical Report

**CLIENT:** Pasco County Environmental Laboratory  
**Lab Order:** F04090350  
**Project:** WP Class III/Resource Recovery  
**Lab ID:** F04090350-005

**Client Sample ID:** TANK-1  
**Collection Date:** 9/13/2004 1:50:00 PM  
**Sample Description:**  
**Matrix:** Groundwater

Analyses	Result	Qual	MDL	RL	Units	DF	Date Analyzed	Batch ID
<b>8260: VOLATILE ORGANIC COMPOUNDS</b>		<b>SW8260</b>	PrepDate: 9/17/2004		Analyst: LGO			
Acetone	6.9	I	3.7	10	µg/L	1	09/18/04 05:40	22152
Acrylonitrile	2.2	U	2.2	10	µg/L	1	09/18/04 05:40	22152
Benzene	2.1	*	0.23	1.0	µg/L	1	09/18/04 05:40	22152
Bromochloromethane	0.21	U	0.21	1.0	µg/L	1	09/18/04 05:40	22152
Bromodichloromethane	0.26	U	0.26	0.60	µg/L	1	09/18/04 05:40	22152
Bromoform	0.28	U	0.28	1.0	µg/L	1	09/18/04 05:40	22152
Bromomethane	0.60	U	0.60	1.0	µg/L	1	09/18/04 05:40	22152
2-Butanone	1.8	U	1.8	10	µg/L	1	09/18/04 05:40	22152
Carbon disulfide	0.49	U	0.49	1.0	µg/L	1	09/18/04 05:40	22152
Carbon tetrachloride	0.29	U	0.29	1.0	µg/L	1	09/18/04 05:40	22152
Chlorobenzene	0.15	U	0.15	1.0	µg/L	1	09/18/04 05:40	22152
Chloroethane	0.51	U	0.51	1.0	µg/L	1	09/18/04 05:40	22152
Chloroform	0.23	U	0.23	1.0	µg/L	1	09/18/04 05:40	22152
Chloromethane	0.50	U	0.50	1.0	µg/L	1	09/18/04 05:40	22152
Dibromochloromethane	0.19	U	0.19	0.50	µg/L	1	09/18/04 05:40	22152
Dibromomethane	0.30	U	0.30	1.0	µg/L	1	09/18/04 05:40	22152
trans-1,4-Dichloro-2-butene	0.64	U	0.64	10	µg/L	1	09/18/04 05:40	22152
1,2-Dichlorobenzene	0.19	U	0.19	1.0	µg/L	1	09/18/04 05:40	22152
1,4-Dichlorobenzene	0.19	U	0.19	1.0	µg/L	1	09/18/04 05:40	22152
1,1-Dichloroethane	0.26	U	0.26	1.0	µg/L	1	09/18/04 05:40	22152
1,2-Dichloroethane	0.19	U	0.19	1.0	µg/L	1	09/18/04 05:40	22152
1,1-Dichloroethene	0.40	U	0.40	1.0	µg/L	1	09/18/04 05:40	22152
cis-1,2-Dichloroethene	0.17	U	0.17	1.0	µg/L	1	09/18/04 05:40	22152
trans-1,2-Dichloroethene	0.17	U	0.17	1.0	µg/L	1	09/18/04 05:40	22152
1,2-Dichloropropane	0.33	U	0.33	1.0	µg/L	1	09/18/04 05:40	22152
cis-1,3-Dichloropropene	0.23	U	0.23	0.50	µg/L	1	09/18/04 05:40	22152
trans-1,3-Dichloropropene	0.25	U	0.25	0.50	µg/L	1	09/18/04 05:40	22152
Ethylbenzene	7.2	I	0.20	1.0	µg/L	1	09/18/04 05:40	22152
2-Hexanone	0.28	U	0.28	10	µg/L	1	09/18/04 05:40	22152
Iodomethane	0.52	U	0.52	1.0	µg/L	1	09/18/04 05:40	22152
4-Methyl-2-pentanone	0.53	I	0.26	10	µg/L	1	09/18/04 05:40	22152
Methylene chloride	2.0	U	2.0	5.0	µg/L	1	09/18/04 05:40	22152
Styrene	0.12	U	0.12	1.0	µg/L	1	09/18/04 05:40	22152
1,1,1,2-Tetrachloroethane	0.24	U	0.24	1.0	µg/L	1	09/18/04 05:40	22152
1,1,2,2-Tetrachloroethane	0.44	U	0.44	0.50	µg/L	1	09/18/04 05:40	22152
Tetrachloroethene	0.17	U	0.17	1.0	µg/L	1	09/18/04 05:40	22152

**Data** \* Value exceeds Maximum Contaminant Level      I Analyte detected below quantitation limits  
**Qualifier** U Not Detected Above the MDL                      V Analyte detected in the associated Method Blank  
**Code Key:**

**Analytical Report**

**CLIENT:** Pasco County Environmental Laboratory  
**Lab Order:** F04090350  
**Project:** WP Class III/Resource Recovery  
**Lab ID:** F04090350-005

**Client Sample ID:** TANK-1  
**Collection Date:** 9/13/2004 1:50:00 PM  
**Sample Description:**  
**Matrix:** Groundwater

Analytes	Result	Qual	MDL	RL	Units	DF	Date Analyzed	Batch ID
<b>8260: VOLATILE ORGANIC COMPOUNDS</b>								
			<b>SW8260</b>				PrepDate: <b>9/17/2004</b>	Analyst: <b>LGO</b>
Toluene	3.0		0.35	1.0	µg/L	1	09/18/04 05:40	22152
1,1,1-Trichloroethane	0.33	U	0.33	1.0	µg/L	1	09/18/04 05:40	22152
1,1,2-Trichloroethane	0.17	U	0.17	1.0	µg/L	1	09/18/04 05:40	22152
Trichloroethene	0.27	U	0.27	1.0	µg/L	1	09/18/04 05:40	22152
Trichlorofluoromethane	0.50	U	0.50	1.0	µg/L	1	09/18/04 05:40	22152
1,2,3-Trichloropropane	0.24	U	0.24	0.50	µg/L	1	09/18/04 05:40	22152
Vinyl acetate	0.46	U	0.46	2.0	µg/L	1	09/18/04 05:40	22152
Vinyl chloride	0.43	U	0.43	1.0	µg/L	1	09/18/04 05:40	22152
Xylenes, Total	2.7		0.32	1.0	µg/L	1	09/18/04 05:40	22152
Surr: 4-Bromofluorobenzene	96.7		0	74-137	%REC	1	09/18/04 05:40	22152
Surr: Dibromofluoromethane	94.1		0	71-126	%REC	1	09/18/04 05:40	22152
Surr: Toluene-d8	94.2		0	78-125	%REC	1	09/18/04 05:40	22152
Surr: 1,2-Dichloroethane-d4	92.9		0	70-130	%REC	1	09/18/04 05:40	22152

**Data** \* Value exceeds Maximum Contaminant Level      I Analyte detected below quantitation limits  
**Qualifier** U Not Detected Above the MDL      V Analyte detected in the associated Method Blank  
**Code Key:**

## Analytical Report

CLIENT: Pasco County Environmental Laboratory

Client Sample ID: TANK-2

Lab Order: F04090350

Collection Date: 9/13/2004 2:30:00 PM

Project: WP Class III/Resource Recovery

Sample Description:

Lab ID: F04090350-006

Matrix: Groundwater

Analyses	Result	Qual	MDL	RL	Units	DF	Date Analyzed	Batch ID
<b>8260: VOLATILE ORGANIC COMPOUNDS</b>								
Acetone	3.7	U	3.7	10	µg/L	1	09/18/04 06:11	22152
Acrylonitrile	2.2	U	2.2	10	µg/L	1	09/18/04 06:11	22152
Benzene	0.23	U	0.23	1.0	µg/L	1	09/18/04 06:11	22152
Bromochloromethane	0.21	U	0.21	1.0	µg/L	1	09/18/04 06:11	22152
Bromodichloromethane	0.26	U	0.26	0.60	µg/L	1	09/18/04 06:11	22152
Bromoform	0.28	U	0.28	1.0	µg/L	1	09/18/04 06:11	22152
Bromomethane	0.60	U	0.60	1.0	µg/L	1	09/18/04 06:11	22152
2-Butanone	1.8	U	1.8	10	µg/L	1	09/18/04 06:11	22152
Carbon disulfide	0.49	U	0.49	1.0	µg/L	1	09/18/04 06:11	22152
Carbon tetrachloride	0.29	U	0.29	1.0	µg/L	1	09/18/04 06:11	22152
Chlorobenzene	0.15	U	0.15	1.0	µg/L	1	09/18/04 06:11	22152
Chloroethane	0.51	U	0.51	1.0	µg/L	1	09/18/04 06:11	22152
Chloroform	0.23	U	0.23	1.0	µg/L	1	09/18/04 06:11	22152
Chloromethane	0.50	U	0.50	1.0	µg/L	1	09/18/04 06:11	22152
Dibromochloromethane	0.19	U	0.19	0.50	µg/L	1	09/18/04 06:11	22152
Dibromomethane	0.30	U	0.30	1.0	µg/L	1	09/18/04 06:11	22152
trans-1,4-Dichloro-2-butene	0.64	U	0.64	10	µg/L	1	09/18/04 06:11	22152
1,2-Dichlorobenzene	0.19	U	0.19	1.0	µg/L	1	09/18/04 06:11	22152
1,4-Dichlorobenzene	0.19	U	0.19	1.0	µg/L	1	09/18/04 06:11	22152
1,1-Dichloroethane	0.26	U	0.26	1.0	µg/L	1	09/18/04 06:11	22152
1,2-Dichloroethane	0.19	U	0.19	1.0	µg/L	1	09/18/04 06:11	22152
1,1-Dichloroethene	0.40	U	0.40	1.0	µg/L	1	09/18/04 06:11	22152
cis-1,2-Dichloroethene	0.17	U	0.17	1.0	µg/L	1	09/18/04 06:11	22152
trans-1,2-Dichloroethene	0.17	U	0.17	1.0	µg/L	1	09/18/04 06:11	22152
1,2-Dichloropropane	0.33	U	0.33	1.0	µg/L	1	09/18/04 06:11	22152
cis-1,3-Dichloropropene	0.23	U	0.23	0.50	µg/L	1	09/18/04 06:11	22152
trans-1,3-Dichloropropene	0.25	U	0.25	0.50	µg/L	1	09/18/04 06:11	22152
Ethylbenzene	0.32	I	0.20	1.0	µg/L	1	09/18/04 06:11	22152
2-Hexanone	0.28	U	0.28	10	µg/L	1	09/18/04 06:11	22152
Iodomethane	0.52	U	0.52	1.0	µg/L	1	09/18/04 06:11	22152
4-Methyl-2-pentanone	0.26	U	0.26	10	µg/L	1	09/18/04 06:11	22152
Methylene chloride	2.0	U	2.0	5.0	µg/L	1	09/18/04 06:11	22152
Styrene	0.12	U	0.12	1.0	µg/L	1	09/18/04 06:11	22152
1,1,1,2-Tetrachloroethane	0.24	U	0.24	1.0	µg/L	1	09/18/04 06:11	22152
1,1,2,2-Tetrachloroethane	0.44	U	0.44	0.50	µg/L	1	09/18/04 06:11	22152
Tetrachloroethene	0.17	U	0.17	1.0	µg/L	1	09/18/04 06:11	22152

Data \* Value exceeds Maximum Contaminant Level

I Analyte detected below quantitation limits

Qualifier U Not Detected Above the MDL

V Analyte detected in the associated Method Blank

Code Key:

## Analytical Report

**CLIENT:** Pasco County Environmental Laboratory  
**Lab Order:** F04090350  
**Project:** WP Class III/Resource Recovery  
**Lab ID:** F04090350-006

**Client Sample ID:** TANK-2  
**Collection Date:** 9/13/2004 2:30:00 PM  
**Sample Description:**  
**Matrix:** Groundwater

Analyses	Result	Qual	MDL	RL	Units	DF	Date Analyzed	Batch ID
<b>8260: VOLATILE ORGANIC COMPOUNDS</b>								
							PrepDate: 9/17/2004	Analyst: LGO
Toluene	1.6		0.35	1.0	µg/L	1	09/18/04 06:11	22152
1,1,1-Trichloroethane	0.33	U	0.33	1.0	µg/L	1	09/18/04 06:11	22152
1,1,2-Trichloroethane	0.17	U	0.17	1.0	µg/L	1	09/18/04 06:11	22152
Trichloroethene	0.27	U	0.27	1.0	µg/L	1	09/18/04 06:11	22152
Trichlorofluoromethane	0.50	U	0.50	1.0	µg/L	1	09/18/04 06:11	22152
1,2,3-Trichloropropane	0.24	U	0.24	0.50	µg/L	1	09/18/04 06:11	22152
Vinyl acetate	0.46	U	0.46	2.0	µg/L	1	09/18/04 06:11	22152
Vinyl chloride	0.43	U	0.43	1.0	µg/L	1	09/18/04 06:11	22152
Xylenes, Total	0.89	I	0.32	1.0	µg/L	1	09/18/04 06:11	22152
Surr: 4-Bromofluorobenzene	91.6		0	74-137	%REC	1	09/18/04 06:11	22152
Surr: Dibromofluoromethane	91.3		0	71-126	%REC	1	09/18/04 06:11	22152
Surr: Toluene-d8	90.7		0	78-125	%REC	1	09/18/04 06:11	22152
Surr: 1,2-Dichloroethane-d4	92.1		0	70-130	%REC	1	09/18/04 06:11	22152

**Data** \* Value exceeds Maximum Contaminant Level      I Analyte detected below quantitation limits  
**Qualifier** U Not Detected Above the MDL                      V Analyte detected in the associated Method Blank  
**Code Key:**