



An employee-owned company

January 31, 2007

Dept. of Environmental Protection

FEB 06 2007

Southwest District

Ms. Susan J. Pelz, P.E.  
Solid Waste Manager  
Southwest District Office  
Department of Environmental Protection  
13051 N. Telecom Parkway  
Temple Terrace, FL 33637-0926

**RE Analytical Results – Surface Water Sample  
Hardee County Solid Waste Disposal Facility  
GMS ID No. 4025C30001  
Long-term Care Permit No. 38414-007-SO**

Dear Ms. Pelz:

On behalf of the Hardee County Solid Waste department, PBS&J would like to submit the analytical results on a surface water sample collected from the north storm water ditch at the Hardee County Landfill. The sample was collected in response to your request. The sample was collected on January 11, 2007. It was collected in general accordance with the procedures outlined in the FDEP SOP for field activities (SOP 001/01). The sample was carried to Southern Research Laboratories, Inc. (SRL) for analysis of the parameters listed in Specific Condition No. 26 of the facility's permit. A copy of the laboratory report is enclosed.

If you should have any questions concerning this report, please contact me in our Orlando office at (407) 806-4339.

Sincerely,  
  
P. Greg Mudd, P.G.  
Senior Geologist

CC: Ms. Teresa Carver, Hardee County Solid Waste Department  
File, 071893.00 0100



3477 Parkway Center Court  
 Orlando, Florida 32808  
 (407) 522-7100 Fax (407) 522-7043  
 Toll Free 1 (888) 420-Test

Thank you **Mr. Greg Mudd** for the opportunity to be of service to you and your company, we Sincerely Appreciate Your Business. SRL certifies these **Laboratory Results** were produced in accordance with NELAC Standards. Hold times and preservation requirements were met for all analytes unless specifically noted in the report.

Client Name: <b>PBS&amp;J - Orlando</b>	Date(s) Collected: 01/11/07
Contact Name: <b>Greg Mudd</b>	Date Received: 01/11/07
Project Name: Hardee County Regional Landfill	Time Received: 17:05
Project Number: NA	Date Reported : 01/11/07
Phone Number: (407) 647-7275	Date Facsmiled : 01/11/07
Fax Number: (407) 647-8945	SRL Work Order # 07-01026

SRL WO #	Clients #	Matrix	Analysis Requested
28150	M-9	Liquid	EPA 8260 & 8270 with Library Search/ 8011/8081/8082/8141/8151/Ammonia/ Bicarbonate/Chloride/NO3/TDS/Cyanide, Sulfide/Fe/Sb/As/Ba/Be/Cd/Cr/Co/Cu/Pb, Hg/Ni/Se/Ag/Tl/Sn/V/Zn




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Sherri Payne  
 Vice President & Quality Assurance Officer  
 Southern Research Laboratories, Inc.

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**Southern Research Laboratories, Inc.**  
 an MBE Environmental Laboratory  
 3477 Parkway Center Court  
 Orlando, Florida 32808 (407) 522-7100

NELAP Certified  
 FDOH Cert # : E83484  
 SRL Lab Ref # : 07-01026  
 Received Date : 01/11/07

**Greg Mudd**  
 PBS&J  
 482 South Keller Road  
 Orlando, Florida 32810-6101 (407) 647-7275

Project Number/Project Name  
**Hardee County**  
**Regional Landfill**  
**Wauchula, Florida**

**EPA Method 5030/8260B Volatile Organics in Water by GC-MS**

**Client ID #** : M-9  
**SRL (Lab) ID#** : 28150  
**Date Collected** : 01/11/07  
**Lab FDOH Certification #** : E83484  
**Date Prepared** : 01/15/07  
**Date Analyzed** : 01/15/07

<b>Units</b>	<b>:</b>	<b>ug/L</b>	<b>PQL</b>	<b>MDL</b>	<b>CAS Number</b>
Dichlorodifluoromethane	:	0.5 U	2	0.5	75-71-8
Chloromethane	:	0.5 U	2	0.5	74-87-3
Vinyl Chloride	:	0.2 U	1	0.2	75-01-4
Bromomethane	:	0.5 U	2	0.5	74-83-9
Chloroethane	:	0.5 U	2	0.5	75-00-3
Trichlorofluoromethane	:	1.0 U	2	1.0	75-69-4
1,1-Dichloroethene	:	0.2 U	1	0.2	75-35-4
Methylene Chloride	:	2.0 U	5	2.0	75-09-02
Trans-1,2-Dichloroethene	:	0.2 U	1	0.2	156-60-5
Acetone	:	5.0 U	10	5.0	67-64-1
Methyl tert-Butyl Ether	:	2.0 U	5	2.0	1634-04-4
1,1-Dichloroethane	:	0.2 U	1	0.2	75-34-3
Cis-1,2-Dichloroethene	:	0.2 U	1	0.2	156-59-2
2,2-Dichloropropane	:	1.0 U	1	1.0	590-20-7
Bromochloromethane	:	0.5 U	1	0.5	74-97-5
Chloroform	:	0.2 U	1	0.2	67-66-3
Carbon tetrachloride	:	0.8 U	1	0.8	56-23-5
1,1,1-Trichloroethane	:	0.2 U	1	0.2	71-55-6
1,1-Dichloropropene	:	0.2 U	1	0.2	563-58-6
Benzene	:	0.5 U	1	0.5	71-43-2
1,2-Dichloroethane	:	0.2 U	1	0.2	107-06-2
Trichloroethene	:	0.2 U	1	0.2	79-01-6
Dibromomethane	:	0.2 U	1	0.2	74-95-3
1,2-Dichloropropane	:	0.2 U	1	0.2	78-87-5
Bromodichloromethane	:	0.5 U	1	0.5	75-27-4
Cis-1,3-Dichloropropene	:	0.2 U	1	0.2	10061-01-5
Toluene	:	0.5 U	1	0.5	108-88-3
Tetrachloroethene	:	0.2 U	1	0.2	127-18-4
Trans-1,3-Dichloropropene	:	0.2 U	1	0.2	10061-02-6
1,1,2-Trichloroethane	:	0.2 U	1	0.2	79-00-5
Dibromochloromethane	:	0.2 U	1	0.2	124-48-1
1,3-Dichloropropane	:	0.2 U	1	0.2	142-28-9
1,2-Dibromoethane	:	0.1 U	1	0.1	106-93-4
Chlorobenzene	:	0.2 U	1	0.2	108-90-7
Ethylbenzene	:	0.5 U	1	0.5	100-41-4
1,1,1,2-Tetrachloroethane	:	0.2 U	1	0.2	630-20-6
m- & p-Xylene	:	1.0 U	2	1.0	108-38-3/106-42-3
o-Xylene	:	0.5 U	1	0.5	95-47-6
Styrene	:	0.2 U	1	0.2	100-42-5
Bromoform	:	0.2 U	1	0.2	75-25-2
Isopropylbenzene	:	0.5 U	1	0.5	98-82-8
Bromobenzene	:	0.2 U	1	0.2	108-86-1

**Southern Research Laboratories, Inc.**  
 an MBE Environmental Laboratory  
 3477 Parkway Center Court  
 Orlando, Florida 32808 (407) 522-7100

NELAP Certified  
 FDOH Cert # : E83484  
 SRL Lab Ref # : 07-01026  
 Received Date : 01/11/07

**Greg Mudd**  
 PBS&J  
 482 South Keller Road  
 Orlando, Florida 32810-6101 (407) 647-7275

Project Number/Project Name  
**Hardee County**  
**Regional Landfill**  
**Wauchula, Florida**

**EPA Method 5030/8260B Volatile Organics in Water by GC-MS (cont)**

<b>Client ID #</b>	:	<b>M-9</b>			
<b>SRL (Lab) ID#</b>	:	28150			
<b>Date Collected</b>	:	01/11/07			
<b>Lab FDOH Certification #</b>	:	E83484			
<b>Date Prepared</b>	:	01/15/07			
<b>Date Analyzed</b>	:	01/15/07			
			<b>PQL</b>	<b>MDL</b>	<b>CAS Number</b>
n-Propylbenzene		0.4 U	1	0.4	103-65-1
1,1,2,2-Tetrachloroethane		0.2 U	1	0.2	79-34-5
2-Chlorotoluene		0.2 U	1	0.2	95-49-8
1,2,3-Trichloropropane		0.2 U	1	0.2	96-18-4
1,3,5-Trimethylbenzene		0.5 U	1	0.5	108-67-8
4-Chlorotoluene		0.2 U	1	0.2	106-43-4
tert-Butylbenzene		0.5 U	1	0.5	98-06-6
1,2,4-Trimethylbenzene		0.5 U	1	0.5	95-63-6
sec-Butylbenzene		0.5 U	1	0.5	135-98-8
p-Isopropyltoluene		0.2 U	1	0.2	99-87-6
1,3-Dichlorobenzene		0.1 U	1	0.1	541-73-1
1,4-Dichlorobenzene		0.1 U	1	0.1	106-46-7
n-Butylbenzene		0.5 U	1	0.5	104-51-8
1,2-Dichlorobenzene		0.1 U	1	0.1	95-50-1
1,2-Dibromo-3-Chloropropane		1.0 U	3	1.0	96-12-8
1,2,4-Trichlorobenzene		0.2 U	1	0.2	120-82-1
Hexachlorobutadiene		2.0 U	3	2.0	87-68-3
Naphthalene		2.0 U	5	2.0	91-20-3
1,2,3-Trichlorobenzene		0.5 U	1	0.5	87-61-6
<b>Units</b>	:	ug/L	ug/L	ug/L	
<b>Dilution Factor (MEDF)</b>	:	1	1	1	
<b>Surrogate (% Rec)</b>	:		(Surrogate Control Limits)		
Dibromofluoromethane		103.2%		70-130	
Toluene-D8		103.2%		70-130	
4-Bromofluorobenzene		107.2%		70-130	

**GC/MS Volatile Data:** \* 8260 Library  
**8260 Library Search**  
 \* There were no TIC's found over 10% of the nearest internal standard.  
 (Tentatively Identified Compounds)  
 8260 Library Search of Major Peaks; NIST02.L

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 SRL Lab Ref # : 07-01026  
 Received Date : 01/11/07

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Project Number/Project Name  
**Hardee County**  
**Regional Landfill**  
**Wauchula, Florida**

**EPA Method 3510/8270C Semivolatile Organic Compounds in Water by GC-MS**

Client ID # : M-9  
 SRL (Lab) ID# : 28150  
 Date Collected : 01/11/07  
 Lab FDOH Certification # : E86678  
 Date Prepared : 01/16/07  
 Date Analyzed : 01/18/07

Units	ug/L	PQL	MDL	CAS Number
Acenaphthene	1.0 U	4.0	1.0	83-32-9
Acenaphthylene	1.0 U	5.0	1.1	208-96-8
Aniline	1.2 U	5.0	1.2	62-53-3
Anthracene	0.9 U	4.0	0.9	120-12-7
Benzo (a) Anthracene	1.1 U	5.0	1.1	56-55-3
Benzo (a) Pyrene	1.2 U	5.0	1.2	50-32-8
Benzo (b) Fluoranthene	1.3 U	6.0	1.3	205-99-2
Benzo (g,h,i) Perylene	1.3 U	6.0	1.3	191-24-2
Benzo (k) Fluoranthene	1.1 U	5.0	1.1	207-08-9
Benzoic Acid	9.5 U	38	9.5	65-85-0
Benzyl Butyl Phthalate	1.2 U	5.0	1.2	85-68-7
Bis (2-Chloroethoxy) methane	1.2 U	5.0	1.2	111-91-1
Bis (2-Chloroethyl) Ether	1.2 U	5.0	1.2	111-44-4
Bis (2-Chloroisopropyl) Ether	1.2 U	5.0	1.2	108-60-1
Bis (2-Ethylhexyl) Phthalate	3.1 U	13	3.1	117-81-7
4-Bromophenyl Phenyl Ether	1.0 U	4.0	1.0	101-55-3
Di-n-Butyl Phthalate	3.3	5.0	1.2	84-74-2
4-Chloro-3-Methyl Phenol	1.0 U	5.0	1.0	59-50-7
4-Chloroaniline	2.9 U	12.0	2.9	106-47-8
2-Chloronaphthalene	1.0 U	5.0	1.0	91-58-7
2-Chlorophenol	1.7 U	7.0	1.7	95-57-8
4-Chlorophenyl Phenyl Ether	1.2 U	5.0	1.2	7005-72-3
Chrysene	0.9 U	4.0	0.9	218-01-9
Dibenzo (a,h) Anthracene	1.0 U	4.0	1.0	53-70-3
Dibenzofuran	1.0 U	5.0	1.0	132-64-9
1,2-Dichlorobenzene	2.0 U	9.0	2.0	95-50-1
1,3-Dichlorobenzene	1.3 U	6.0	1.3	541-73-1
1,4-Dichlorobenzene	0.8 U	4.0	0.8	106-46-7
3,3-Dichlorobenzidine	3.0 U	13	3.0	91-94-1
2,4-Dichlorophenol	1.2 U	5.0	1.2	120-83-2
Diethyl Phthalate	0.9 U	4.0	0.9	84-66-2
Dimethyl Phthalate	0.9 U	4.0	0.9	131-11-3
2,4-Dimethylphenol	1.0 U	4.0	1.0	105-67-9
4,6-Dinitro-2-Methylphenol	1.5 U	7.0	1.5	534-52-1
2,4-Dinitrophenol	1.9 U	8.0	1.9	51-28-5
2,4-Dinitrotoluene	1.0 U	4.0	1.0	121-14-2
2,6-Dinitrotoluene	1.2 U	5.0	1.2	606-20-2
Fluoranthene	1.0 U	5.0	1.0	206-44-0
Fluorene	1.0 U	4.0	1.0	86-73-7
Hexachlorobenzene	0.7 U	3.0	0.7	118-74-1
Hexachlorobutadiene	1.0 U	4.0	1.0	87-68-3
Hexachlorocyclopentadiene	1.2 U	5.0	1.2	77-47-4

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NELAP Certified  
 FDOH Cert # : E83484  
 SRL Lab Ref # : 07-01026  
 Received Date : 01/11/07

**Greg Mudd**  
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 482 South Keller Road  
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Project Number/Project Name  
**Hardee County**  
**Regional Landfill**  
**Wauchula, Florida**

**EPA Method 3510/8270C Semivolatile Organic Compounds in Water by GC-MS (cont)**

**Client ID #** : M-9  
**SRL (Lab) ID#** : 28150  
**Date Collected** : 01/11/07  
**Lab FDOH Certification #** : E86678  
**Date Prepared** : 01/16/07  
**Date Analyzed** : 01/18/07

		PQL	MDL	CAS Number
Hexachloroethane	1.2 U	5.0	1.2	67-72-1
Indeno (1,2,3-cd) Pyrene	1.8 U	8.0	1.8	193-39-5
Isophorone	1.1 U	5.0	1.1	78-59-1
2-Methylnaphthalene	0.8 U	4.0	0.8	91-57-6
2-Methylphenol (o-cresol)	1.2 U	5.0	1.2	95-48-7
3&4-Methylphenol	1.8 U	8.0	1.8	NA
Naphthalene	1.0 U	4.0	1.0	91-20-3
4-Nitroaniline	2.2 U	9.0	2.2	100-01-6
3-Nitroaniline	2.3 U	10	2.3	99-09-2
2-Nitroaniline	1.0 U	4.0	1.0	88-74-4
Nitrobenzene	1.4 U	6.0	1.4	98-95-3
1-Methylnaphthalene	1.0 U	4.0	1.0	90-12-0
2-Nitrophenol	1.0 U	4.0	1.0	88-75-5
4-Nitrophenol	1.3 U	6.0	1.3	100-02-7
N-Nitrosodi-N-Propylamine	2.3 U	10	2.3	621-64-7
N-Nitrosodiphenylamine	1.1 U	5.0	1.1	86-30-6
Di-n-Octyl Phthalate	1.2 U	5.0	1.2	117-84-0
Pentachlorophenol	2.9 U	12	2.9	87-86-5
Phenanthrene	0.9 U	4.0	0.9	85-01-8
Phenol	0.9 U	4.0	0.9	108-95-2
Pyrene	1.3 U	6.0	1.3	129-00-0
Pyridine	1.0 U	5.0	1.0	110-86-1
1,2,4-Trichlorobenzene	0.9 U	4.0	0.9	120-82-1
2,4,6-Trichlorophenol	1.3 U	6.0	1.3	88-06-2
2,4,5-Trichlorophenol	0.7 U	3.0	0.7	95-95-4

Units	ug/L	ug/L	ug/L
<b>Dilution Factor (MEDF)</b>	1	1	1
<b>Surrogate (% Rec)</b>		(Surrogate Control Limits)	
2-Fluorobiphenyl	72%	43-116	
2-Fluorophenol	46%	21-100	
Nitrobenzene-D5	73%	35-114	
Phenol-D6	31%	10-94	
Terphenyl-D14	127%	33-141	
2,4,6-Tribromophenol	106%	10-123	

**GC/MS Semivolatile Data:** 8270 Library (See attached)  
**8270 Library Search**  
 (Tentatively Identified Compounds)  
 8260 Library Search of Major Peaks; NIST02.L

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 SRL Lab Ref # : 07-01026  
 Received Date : 01/11/07

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Project Number/Project Name  
**Hardee County**  
**Regional Landfill**  
**Wauchula, Florida**

**EPA Method 504.1/8011 EDB/DBCP in Water by GC**

Client ID #	:	M-9			
SRL (Lab) ID#	:	28150			
Date Collected	:	01/11/07			
Lab FDOH Certification #	:	E83484			
Date Prepared	:	01/17/07			
Date Analyzed	:	01/18/07			
1,2-Dibromoethane (EDB)		0.01 U		PQL	MDL
				0.02	0.01
1,2-Dibromo-3-Chloropropane (DBCP)		0.02 U		0.05	0.02
Units	:	ug/L		ug/L	ug/L
Dilution Factor (MEDF)	:	1		1	1
					CAS Number
					106-93-4
					96-12-8

Parameter	% Recovery	Acceptable Limits	Acceptable Limits	%RPD	Acceptable Limits
EPA Method 504.1/8011	LCS/MS/MSD	LCS	MS/MSD	MS/MSD	RPD
1,2-Dibromoethane (EDB)	117/108/109	75-125	75-125	1.0	20
1,2-Dibromo-3-Chloropropane (DBCP)	119/106/106	75-125	75-125	0.7	20

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 SRL Lab Ref # : 07-01026  
 Received Date : 01/11/07

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Project Number/Project Name  
**Hardee County**  
**Regional Landfill**  
**Wauchula, Florida**

**EPA Method 608/8081/8082 Chlorinated Pesticides & PCBs in Water by GC**

<b>Client ID #</b>	:	<b>M-9</b>			
<b>SRL (Lab) ID#</b>	:	28150			
<b>Date Collected</b>	:	01/11/07			
<b>Lab FDOH Certification #</b>	:	E83484			
<b>Date Prepared</b>	:	01/16/07			
<b>Date Analyzed</b>	:	01/18/07			
			<b>PQL</b>	<b>MDL</b>	<b>CAS Number</b>
a-BHC		0.01 U	0.02	0.01	319-84-6
b-BHC		0.003 U	0.02	0.003	319-85-7
g-BHC (Lindane)		0.01 U	0.05	0.01	58-89-9
d-BHC		0.025 U	0.05	0.025	319-86-8
Heptachlor		0.05 U	0.10	0.05	76-44-8
Aldrin		0.003 U	0.05	0.003	309-00-2
Heptachlor Epoxide		0.002 U	0.10	0.002	1024-57-3
Endosulfan I		0.009 U	0.05	0.009	959-98-8
Dieldrin		0.008 U	0.02	0.008	60-57-1
4,4-DDE		0.006 U	0.05	0.006	72-55-9
Endrin		0.02 U	0.10	0.02	72-20-8
Endosulfan II		0.006 U	0.10	0.006	33213-65-9
4,4-DDD		0.02 U	0.05	0.02	72-54-8
Endrin Aldehyde		0.006 U	0.10	0.006	7421-93-4
Endosulfan Sulfate		0.006 U	0.10	0.006	1031-07-8
4,4-DDT		0.017 U	0.08	0.017	50-29-3
Methoxychlor		0.068 U	0.20	0.068	72-43-5
Toxaphene		0.01 U	0.25	0.01	8001-35-2
Chlordane		0.01 U	0.20	0.01	57-74-9
Arochlor 1016		0.20 U	0.50	0.20	12674-11-2
Arochlor 1221		0.20 U	0.50	0.20	11104-28-2
Arochlor 1232		0.20 U	0.50	0.20	11141-16-5
Arochlor 1242		0.20 U	0.50	0.20	53469-21-9
Arochlor 1248		0.20 U	0.50	0.20	12672-29-6
Arochlor 1254		0.20 U	0.50	0.20	11097-69-1
Arochlor 1260		0.20 U	0.50	0.20	11096-82-5
<b>Units</b>	:	ug/L	ug/L	ug/L	
<b>Dilution Factor (MEDF)</b>	:	1	1	1	
<b>Surrogate (% Rec)</b>	:		(Surrogate Control Limits)		
Tetrachloro-m-xylene		* 49.3%	60-130		

\* Value is outside control limits.



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Project Number/Project Name  
**Hardee County**  
**Regional Landfill**  
**Wauchula, Florida**

**EPA Method 3510/8141A Organophosphorus Pesticides in Water by GC**

<b>Client ID #</b>	:	<b>M-9</b>			
<b>SRL (Lab) ID#</b>	:	28150			
<b>Date Collected</b>	:	01/11/07			
<b>Lab FDOH Certification #</b>	:	E86240			
<b>Date Prepared</b>	:	01/15/07			
<b>Date Analyzed</b>	:	01/18/07			
			<b>PQL</b>	<b>MDL</b>	<b>CAS Number</b>
Azinphos, Methyl		0.41 U	2.0	0.41	86-50-0
Bolstar (Sulprofos)		0.12 U	0.50	0.12	35400-43-2
Chlorpyrifos (Dursban)		0.06 U	0.50	0.06	2921-88-2
Coumaphos		0.21 U	1.5	0.21	56-72-4
Demeton-O		0.04 U	0.50	0.04	8065-48-3
Demeton-S		0.06 U	0.50	0.06	8065-48-3
Diazinon		0.06 U	0.50	0.06	333-41-5
Dichlorofenthion		0.07 U	0.50	0.07	97-17-6
Dichlorvos		0.08 U	0.50	0.08	62-73-7
Dimethoate		0.25 U	0.50	0.25	298-04-4
Disulfoton		0.21 U	0.50	0.21	298-04-4
EPN		0.08 U	0.50	0.08	2104-64-5
Ethion		0.22 U	0.50	0.22	563-12-2
Ethoprop		0.25 U	0.50	0.25	13194-48-4
Fensulfothion		0.14 U	0.50	0.14	115-90-2
Fenthion		0.07 U	0.50	0.07	55-38-9
Malathion		0.07 U	0.50	0.07	121-75-5
Merphos		0.09 U	0.50	0.09	150-50-5
Mevinphos		0.19 U	0.50	0.19	7786-34-7
Monocrotophos		0.27 U	0.50	0.27	6923-22-4
Naled		0.28 U	0.50	0.28	300-76-5
Methyl Parathion		0.15 U	0.50	0.15	298-00-0
Ethyl Parathion		0.05 U	0.50	0.05	56-38-2
Phorate		0.30 U	0.50	0.30	298-02-2
Ronnel		0.05 U	0.50	0.05	299-84-3
Stirophos (Tetrachlorvinphos)		0.21 U	0.50	0.21	22248-79-9
Sulfotep		0.16 U	0.50	0.16	3689-24-5
TEPP		0.30 U	0.50	0.30	107-49-3
Tokuthion (Prothiofos)		0.05 U	0.50	0.05	34643-46-4
<b>Units</b>	:	ug/L	ug/L	ug/L	
<b>Dilution Factor (MEDF)</b>	:	1	1	1	
<b>Surrogate (% Rec)</b>	:		(Surrogate Control Limits)		
Tributyl Phosphate		109%			38-143
Triphenyl Phosphate		128%			34-144

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NELAP Certified  
 FDOH Cert # : E83484  
 SRL Lab Ref # : 07-01026  
 Received Date : 01/11/07

**Greg Mudd**  
 PBS&J  
 482 South Keller Road  
 Orlando, Florida 32810-6101 (407) 647-7275

Project Number/Project Name  
**Hardee County**  
**Regional Landfill**  
**Wauchula, Florida**

**EPA Method 8151A Chlorophenoxy Herbicides in Water by GC**

<b>Client ID #</b>	:	<b>M-9</b>			
<b>SRL (Lab) ID#</b>	:	28150			
<b>Date Collected</b>	:	01/11/07			
<b>Lab FDOH Certification #</b>	:	E86240			
<b>Date Prepared</b>	:	01/16/07			
<b>Date Analyzed</b>	:	01/19/07			
			<b>PQL</b>	<b>MDL</b>	<b>CAS Number</b>
Dalapon		0.22 U	2.0	0.22	75-99-0
MCPP		74 U	200	74	93-65-2
Dicamba		0.48 U	2.0	0.48	1918-00-9
MCPA		46 U	200	46	94-74-6
Dichloroprop		0.38 U	2.0	0.38	120-36-5
2,4-D		0.83 U	2.0	0.83	94-75-7
2,4,5-Trp (Silvex)		0.47 U	2.0	0.47	93-72-1
2,4,5-T		0.67 U	2.0	0.67	93-76-5
Dinoseb		0.43 U	2.0	0.43	88-85-7
2,4-Db		0.25 U	2.0	0.25	94-82-6
<b>Units</b>	:	ug/L	ug/L	ug/L	
<b>Dilution Factor (MEDF)</b>	:	1	1	1	
<b>Surrogate (% Rec)</b>	:		(Surrogate Control Limits)		
2,4-Dichlorophenylacetic Acid		82%			46-142

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**Hardee County**  
**Regional Landfill**  
**Wauchula, Florida**

**Client ID #** : M-9  
**SRL (Lab) ID#** : 28150  
**Date Collected** : 01/11/07  
**Lab FDOH Certification #** : E86678

Units			Date	Date	PQL	MDL	CAS Number	
	mg/L		Method	Prepared	Analyzed			
Ammonia Nitrogen (as N)	2.15		350.1	01/16/07	01/16/07	0.10	0.02	7664-41-7
Bicarbonate Alkalinity	199		310.1	01/15/07	01/15/07	4.0	1.68	NA
Chloride	43.5		300.0	01/12/07	01/12/07	0.42	0.10	16887-00-6
Nitrate (as N)	0.07 U		300.0	01/12/07	01/12/07	0.27	0.07	7727-37-9
Sulfide	1.50 I		376.1	01/15/07	01/15/07	5.00	0.10	105-05-2
Total Dissolved Solids (TDS)	232		160.1	01/16/07	01/16/07	5.0	5.0	NA
Cyanide	0.002 U		335.3	01/18/07	01/18/07	0.006	0.002	57-12-5

**Client ID #** : M-9  
**SRL (Lab) ID#** : 28150  
**Date Collected** : 01/11/07  
**Lab FDOH Certification #** : E86240

Units				Date	Date	PQL	MDL	CAS Number
	mg/L		Method	Prepared	Analyzed			
Antimony (Sb)	0.003 U		6010B	01/18/07	01/19/07	0.005	0.003	7440-36-0
Arsenic (As)	0.004 U		6010B	01/18/07	01/19/07	0.010	0.004	7440-38-2
Barium (Ba)	0.017		6010B	01/18/07	01/19/07	0.010	0.003	7440-39-3
Beryllium (Be)	0.001 U		6010B	01/18/07	01/19/07	0.004	0.001	7440-41-7
Cadmium (Cd)	0.002 U		6010B	01/18/07	01/19/07	0.005	0.002	7440-43-9
Chromium (Cr)	0.004 IV		6010B	01/18/07	01/19/07	0.005	0.001	7440-47-3
Cobalt (Co)	0.003 U		6010B	01/18/07	01/19/07	0.010	0.003	7440-48-4
Copper (Cu)	0.004 IV		6010B	01/18/07	01/19/07	0.010	0.002	7440-50-8
Iron (Fe)	0.73		6010B	01/18/07	01/19/07	0.200	0.075	7439-89-6
Lead (Pb)	0.002 I		6010B	01/18/07	01/19/07	0.005	0.002	7439-92-1
Mercury (Hg)	0.0002 U		6010B	01/17/07	01/17/07	0.001	0.0002	7439-97-6
Nickel (Ni)	0.0002 U		6010B	01/18/07	01/19/07	0.010	0.002	7440-02-0
Selenium (Se)	0.008 U		6010B	01/18/07	01/19/07	0.030	0.008	7782-49-2
Silver (Ag)	0.005 U		6010B	01/18/07	01/19/07	0.020	0.005	7440-22-4
Thallium (Tl)	0.005 U		6010B	01/18/07	01/19/07	0.010	0.005	7440-28-0
Tin (Sn)	0.024 U		6010B	01/18/07	01/19/07	0.10	0.024	7440-24-6
Vanadium (V)	0.017		6010B	01/23/07	01/24/07	0.010	0.005	7440-62-2
Zinc (Zn)	0.020 I		6010B	01/18/07	01/19/07	0.025	0.007	7440-66-6

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Project Number/Project Name  
**Hardee County**  
**Regional Landfill**  
**Wauchula, Florida**

### DATA QUALIFIER CODES

#### Reporting Exceptions and Qualified Data

When quality control results are outside established control limits reanalysis, including re-extraction (if applicable), is preferred. If re-analysis is not viable or desirable, then results may be qualified. Sample results associated with quality control data that exceed acceptance criteria will be qualified with an appropriate comment.

**D** = Data reported from a dilution and or multiple dilutions.

**I** = Estimated Value, The reported value is between the Laboratory Method Detection Limit (**MDL**) and the Laboratory Practical Quantitation Limit (**PQL**)

**J** = Estimated value

**L** = Off-Scale high; exceeds the linear range or highest calibration standard.

**O** = Sampled, but analysis lost or not performed

**Q** = Sample held beyond normal holding time

**U** = indicates the compound was analyzed for, but not detected. The numerical value preceding the "U" is the limit of detection for that compound based upon the dilution. **MEDF** = **M**atrix **E**ffected **D**ilution **F**actor.

**V** = Analyte was detected in both the sample and associated Laboratory Method Blank; Laboratory Contamination

**Y** = The analysis was from an unpreserved or improperly preserved sample. The data may not be accurate

Unless otherwise noted, ug/Kg and mg/Kg denote dry weight.

(SOILS) Actual Reporting Limit will depend on moisture content of sample and the amount of sample received.

# Chain of Custody

Project Manager: GREG MUDA  
 Company: PBS-J  
 Address: 482 South Keller Road  
 City, State, Zip: Orlando FL 32810  
 Phone: (407) 647-7275 Fax: (407) 647-8945



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Page 1 of 1

Project Name: HARDEE COUNTY REGIONAL  
 Project Location: Landfill  
Wauchula, FL

Sampled by [Print Name(s)] / Affiliation:  
THOMAS BAKER, Bevander Ave

Preservatives (see codes)									
H	I	I	I	I	S	I	I	N	N

Project Number:  
 REQUESTED DUE DATE:  
1/11/07

Sampler(s) Signature(s):

Analyses Requested									
826015	1108	170128	8081 + 82	8141, 8151	Metals, Alkalinity	W. Lead	B. Cyanide	CHLORIDE, TDS	Fe, Sb, As, Ba, Bi, Br, Cd, Cr, Co, Cu, Pb, Hg, Ni, Se, Ag, Tl, Sn

Sampling QAP No.:  
 Approval Date:

Sample Identification	Sampled		Grab or Composite	Matrix (see codes)	Total Number of Containers	Analyses Requested										Comments	
	Date	Time				826015	1108	170128	8081 + 82	8141, 8151	Metals, Alkalinity	W. Lead	B. Cyanide	CHLORIDE, TDS	Fe, Sb, As, Ba, Bi, Br, Cd, Cr, Co, Cu, Pb, Hg, Ni, Se, Ag, Tl, Sn		
1 M-9	1-11-07	1410	G	SW	15	X	X	X	X	X	X	X	X	X	X	X	PH = 7.14
2 Trip Blank	1-11-07	1020	-	W	2	X											LEACHATE (sample 28151)
	1-11-07	1020															* CYANIDE
	20.11.07																* SULFIDE

Shipment Method: Out: 1-11-07 Via: SRL  
 Returned: 1-11-07 Via: SRL  
 Relinquished by: [Signature] Affiliation: [Signature] Date: 1-10-07 Time: 1810  
 Accepted by: [Signature] Affiliation: [Signature] Date: 1-11-07 Time: 930  
 Additional Comments: sample containers preserved by lead  
PH(7) = 7.04

Cooler No(s) / Temperature(s) (°C): (00) Lead 4°C  
 Sampling Kit No: 3534  
 Equipment ID No.:  
 Matrix Codes: A = Air, GW = Groundwater, SE = Sediment, SO = Soil, SW = Surface Water, W = Water (Blanks), HW = Potential Haz Waste, O = Other (Specify)  
 Preservative Codes: H = Hydrochloric Acid & Ice, I = Ice Only, N = Nitric Acid & Ice, S = Sulfuric Acid & Ice, X = Sodium Hydroxide & Ice, O = Other (Specify)