

HARDEE COUNTY

Department of Solid Waste & Recycling Center

P.O. Box 246
Wauchula, Florida 33873

REGIONAL LF

4025C3000/

40612

5025-214306

Page 1 of 2

June 22, 1995

Department of Environmental Protections
Attention: Allison Amram, Environmental Specialist III
Waste Management Section
3804 Coconut Palm Drive
Tampa, Fl 33619-8318

RECEIVED
JUN 30 1995
Solid Waste Section

RE: Quarterly Water Analysis

Dear Allison:

Submitted for your review are the quarterly water analysis, methane gas monitoring and quarterly leachate analysis results.

Also, please find enclosed a revised report of analysis for monitoring well #1 collected on February 21, 1995. On page 1, our lab reported the result of 0.02 mg/L for lead (Pb). This result should have been reported as 0.002 mg/L as is shown on the revised report enclosed.

In response to your letter dated June 6, 1995, our lab has informed us that there will not be any problems in reporting results on form 62-522.600(11) as required. Also they will complete the certification statement and it will be signed by Bruce Cummings of Short Environmental Lab. In addition they will include a summary of water quality standards or criteria should they exceed the limits. There is a question concerning the groundwater table contour map. Because our lab does not have the means to produce this map, may we reference the contour maps which are submitted in the annual technical groundwater evaluation, which is being done by Post, Buckley, Schuh and Jernigan.

We would greatly appreciate a response to our request to convert to semi-annual groundwater and leachate testing. This request was made on February 27, 1995 by PBS&J. Approval of this request would allow for an easy transition to the new reporting requirements.

Page 2 of 2

Please feel free to contact us should you have any questions or comments.

Sincerely,

A handwritten signature in cursive script, appearing to read "J.R. Prestridge".

J.R. Prestridge
Assistant County Manager
S.W. Superintendent

jw

cc: Allison Amram, DEP-Tampa
Chongman Lee, DEP-Tallahassee
Post, Buckley, Schuh & Jernigan
file

SHORT ENVIRONMENTAL LABORATORIES, INC.
10405 US 27 South
Sebring, Florida 33870
1-800-833-4022 HRS # 85344 (813) 655-4022

06-20-95

For: Hardee County Board of County Commissioners
Dept. of Solids Waste & Recycling Center
P.O. Box 246
Wauchula, FL 33873
Attn: J.R. Prestridge

Laboratory Number: 05/09i-05/09n

Sample type: Air
Project: Hardee County
Location: Landfill
Sampled by: R. Greene\J. Finn on 05-09-95, pm
Received: Field measurement, no sample received

REPORT OF ANALYSIS

FIELD ID #	Sample ID	Methane	Units	Method
05/09i	Shop	< 1.	mg/L	Trace-Techto
05/09j	Parts Room	< 1.	mg/L	Trace-Techto
05/09k	Shop bathroom	< 1.	mg/L	Trace-Techto
05/09l	Janice's Office	< 1.	mg/L	Trace-Techto
05/09m	Mr. Prestridge's Office	< 1.	mg/L	Trace-Techto
05/09n	Scale House	< 1.	mg/L	Trace-Techto

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.

10405 US 27 South

Sebring, Florida 33870

1-800-833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (813) 655-4022

06-19-95

For: Hardee County Board of County Commissioners
Department of Solids Waste & Recycling Center
Attn: J.R. Prestridge
P.O. Box 246
Wauchula, FL 33873

Dear Mr. Prestridge:

Please find enclosed a revised report of analysis for monitoring well # 1 collected at the Hardee County landfill on February 21, 1995. On page 1, we reported a result of 0.02 mg/L for lead (Pb). This result should have been reported as 0.002 mg/L as is shown on the revised report

If you have any questions or require further information, please contact me.

Sincerely,


Bruce Cummings
Laboratory Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.
10405 US 27 South
Sebring, Florida 33870
1-800-833-4022 HRS # 85344 (813) 655-4022

For: Hardee County Board of County Commissioners
Dept. of Solid Waste & Recycling Center
P.O. Box 246
Wauchula, FL 33873
Attn: J.R. Prestridge

03-25-95
Page 1
Revised

Laboratory Number: 33871

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-1
Sampled by: R. Greene\R. Rapp on 02-21-95 @ 0945
Received: 02-21-95 @ 1445

REPORT OF ANALYSIS

FIELD DATA

Parameter	Result	Units	Method
pH	5.26	S.U.	EPA 150.1
Conductivity	330.	umhos/cm	EPA 120.1
Temperature	21.9	Degrees C	EPA 170.1
Dissolved Oxygen	6.1	mg/L	EPA 360.1
Sheens	No Sheen		
Water depth	3.42	Ft.	
Water level	9.42	Ft.	
Groundwater elevation (TOC)	85.44	Ft.	
Volume removed before sampling	9.00	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
Color	230.	Pt/Co	EPA 110.2
Total Dissolved Solids	282.	mg/L	EPA 160.1
Turbidity	126.	NTU	EPA 180.1
Arsenic (As)	0.021	mg/L	EPA 206.2
Cadmium (Cd)	< 0.002	mg/L	EPA 213.1
Chromium (Cr)	< 0.02	mg/L	EPA 218.1
Iron (Fe)	27.4	mg/L	EPA 236.1
Lead (Pb)	0.002	mg/L	EPA 239.2
Mercury (Hg)	< 0.001	mg/L	EPA 245.2
Sodium (Na)	19.	mg/L	EPA 273.1
Bicarbonate as CaCO3	< 1.	mg/L	EPA 310.1
Chloride (Cl)	55.	mg/L	EPA 325.3
Ammonia Nitrogen (NH3-N)	0.38	mg/L	EPA 350.1
Ammonium Nitrogen (NH4-N)	0.38	mg/L	EPA 350.1

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

HARDEE COUNTY SANITARY LANDFILL

GROUNDWATER ELEVATIONS

DATE: 05-09-95

RECORDED BY: Rick Greene of Short Environmental

LOCATION	ELEVATION TOP OF CASING	ELEVATION AT LAND SURFACE	HEIGHT OF CASING ABOVE L.S.	WATER DEPTH FROM TOP OF CASING	GROUNDWATER ELEVATION
MW-1	87.97	86.24	1.73	5.00	82.97
MW-2	85.86	83.68	2.18	4.75	81.11
MW-3	87.75	86.07	1.68	5.50	82.25
MW-4	87.16	84.44	2.72	5.75	81.41
MW-5	88.76	85.76	3.00	7.50	81.26
MW-6	87.94	84.68	3.26	7.50	80.44
MW-7	87.51	84.55	2.96	7.00	80.51
*****	*****	*****	*****	*****	*****
P-1	91.27	88.97	2.30	9.25	82.02
P-2	90.66	87.66	3.00	9.75	80.91
P-3	89.05	86.60	2.45	7.50	81.55
P-4	88.34	85.34	3.00	7.33	81.01
P-5	89.25	86.42	2.83	8.00	81.25
P-6	85.94	83.44	2.50	5.50	80.44
P-7	84.04	81.84	2.20	4.83	79.21
P-8	84.74	82.67	2.08	5.17	79.57
P-9	87.06	84.81	2.25	6.25	80.81
P-10	88.56	86.40	2.16	7.92	80.64
P-11	87.16	85.08	2.08	6.25	80.91
P-12	88.71	85.71	3.00	7.50	81.21
P-13	87.60	84.60	3.00	6.75	80.85
P-14	86.75	83.75	3.00	6.50	80.25

WATER ELEVATION IN THE DEWATERING DITCH: _____

SHORT ENVIRONMENTAL LABORATORIES, INC.
10405 US 27 South
Sebring, Florida 33870
1-800-833-4022 HRS # 85344 (813) 655-4022

For: Hardee County Board of County Commissioners
Dept. of Solid Waste & Recycling Center
P.O. Box 246
Wauchula, FL 33873
Attn: J.R. Prestridge

06-20-95
Page 1

Laboratory Number: 36380

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-1
Sampled by: R. Greene\J. Finn on 05-09-95 @ 1035
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

FIELD DATA

Parameter	Result	Units	Method
pH	4.86	S.U.	EPA 150.1
Conductivity	340.	umhos/cm	EPA 120.1
Temperature	23.2	Degrees C	EPA 170.1
Dissolved Oxygen	1.8	mg/L	EPA 360.1
Turbidity	2.9	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	5.00	Ft.	
Water level	7.83	Ft.	
Groundwater elevation (TOC)	82.97	Ft.	
Volume removed before sampling	7.2	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
Color	350.	Pt/Co	EPA 110.2
Total Dissolved Solids	318.	mg/L	EPA 160.1
Arsenic (As)	0.009	mg/L	EPA 206.3
Cadmium (Cd)	< 0.002	mg/L	EPA 213.1
Chromium (Cr)	< 0.02	mg/L	EPA 218.1
Iron (Fe)	20.8	mg/L	EPA 236.1
Lead (Pb)	0.001	mg/L	EPA 239.2
Mercury (Hg)	< 0.001	mg/L	EPA 245.2
Sodium (Na)	18.	mg/L	EPA 273.1
Bicarbonate as CaCO3	5.9	mg/L	EPA 310.1
Chloride (Cl)	52.	mg/L	EPA 325.3
Ammonia Nitrogen (NH3-N)	0.35	mg/L	EPA 350.1
Ammonium Nitrogen (NH4-N)	0.35	mg/L	EPA 350.1

Respectfully Submitted,

Bruce Cummings
Bruce Cummings
Laboratory Manager

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10405 US 27 South
Sebring, Florida 33870
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06-20-95
Page 2

Laboratory Number: 36380

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-1
Sampled by: R. Greene\J. Finn on 05-09-95 @ 1035
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

FIELD DATA

Parameter	Result	Units	Method
pH	4.86	S.U.	EPA 150.1
Conductivity	340.	umhos/cm	EPA 120.1
Temperature	23.2	Degrees C	EPA 170.1
Dissolved Oxygen	1.8	mg/L	EPA 360.1
Turbidity	2.9	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	5.00	Ft.	
Water level	7.83	Ft.	
Groundwater elevation (TOC)	82.97	Ft.	
Volume removed before sampling	7.2	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
Nitrate (NO3-N)	0.04	mg/L	EPA 353.2
Total Organic Carbon	60.	mg/L	EPA 415.1
1,1,1-trichloroethane	< 1.	ug/L	EPA 601
1,1,2,2-tetrachloroethane	< 1.	ug/L	EPA 601
1,1,2-trichloroethane	< 1.	ug/L	EPA 601
1,1-dichloroethane	< 1.	ug/L	EPA 601
1,1-dichloroethene	< 1.	ug/L	EPA 601
1,2-dichloroethane	< 1.	ug/L	EPA 601
1,2-dichloropropane	< 1.	ug/L	EPA 601
2-chloroethylvinyl ether	< 1.	ug/L	EPA 601
Bromodichloromethane	< 1.	ug/L	EPA 601
Bromoform	< 1.	ug/L	EPA 601
Bromomethane	< 1.	ug/L	EPA 601

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

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10405 US 27 South
Sebring, Florida 33870
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Wauchula, FL 33873
Attn: J.R. Prestridge

06-20-95
Page 3

Laboratory Number: 36380

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-1
Sampled by: R. Greene\J. Finn on 05-09-95 @ 1035
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

FIELD DATA

Parameter	Result	Units	Method
pH	4.86	S.U.	EPA 150.1
Conductivity	340.	umhos/cm	EPA 120.1
Temperature	23.2	Degrees C	EPA 170.1
Dissolved Oxygen	1.8	mg/L	EPA 360.1
Turbidity	2.9	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	5.00	Ft.	
Water level	7.83	Ft.	
Groundwater elevation (TOC)	82.97	Ft.	
Volume removed before sampling	7.2	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
Carbon tetrachloride	< 1.	ug/L	EPA 601
Chloroethane	< 1.	ug/L	EPA 601
Chloroform	< 1.	ug/L	EPA 601
Chloromethane	< 1.	ug/L	EPA 601
Dibromochloromethane	< 1.	ug/L	EPA 601
Dichlorodifluoromethane	< 1.	ug/L	EPA 601
Methylene chloride	< 1.	ug/L	EPA 601
Tetrachloroethene	< 1.	ug/L	EPA 601
Trichloroethene	< 1.	ug/L	EPA 601
Trichlorofluoromethane	< 1.	ug/L	EPA 601
Vinyl chloride	< 1.	ug/L	EPA 601
cis-1,2-dichloroethene	< 1.	ug/L	EPA 601
cis-1,3-dichloropropene	< 1.	ug/L	EPA 601

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

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06-20-95
Page 4

Laboratory Number: 36380

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-1
Sampled by: R. Greene\J. Finn on 05-09-95 @ 1035
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

FIELD DATA

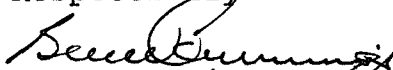
Parameter	Result	Units	Method
pH	4.86	S.U.	EPA 150.1
Conductivity	340.	umhos/cm	EPA 120.1
Temperature	23.2	Degrees C	EPA 170.1
Dissolved Oxygen	1.8	mg/L	EPA 360.1
Turbidity	2.9	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	5.00	Ft.	
Water level	7.83	Ft.	
Groundwater elevation (TOC)	82.97	Ft.	
Volume removed before sampling	7.2	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
trans-1,2-dichloroethene	< 1.	ug/L	EPA 601
trans-1,3-dichloropropene	< 1.	ug/L	EPA 601
1,2-dichlorobenzene	< 1.	ug/L	EPA 602
1,3-dichlorobenzene	< 1.	ug/L	EPA 602
1,4-dichlorobenzene	< 1.	ug/L	EPA 602
Benzene	< 1.	ug/L	EPA 602
Chlorobenzene	< 1.	ug/L	EPA 602
Ethylbenzene	< 1.	ug/L	EPA 602
Methyl tertiary butyl ether	< 1.	ug/L	EPA 602
Toluene	< 1.	ug/L	EPA 602
Xylenes (total)	< 1.	ug/L	EPA 602

EPA Methods 415.1, 601 & 602 performed by HRS # E84098

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

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Attn: J.R. Prestridge

06-20-95
Page 1

Laboratory Number: 36381

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-2
Sampled by: R. Greene\J. Finn on 05-09-95 @ 0900
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

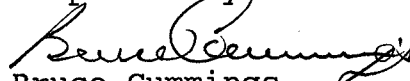
FIELD DATA

Parameter	Result	Units	Method
pH	6.24	S.U.	EPA 150.1
Conductivity	300.	umhos/cm	EPA 120.1
Temperature	22.6	Degrees C	EPA 170.1
Dissolved Oxygen	1.8	mg/L	EPA 360.1
Turbidity	19.	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	4.75	Ft.	
Water level	8.50	Ft.	
Groundwater elevation (TOC)	81.11	Ft.	
Volume removed before sampling	8.0	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
Color	45.	Pt/Co	EPA 110.2
Total Dissolved Solids	189.	mg/L	EPA 160.1
Arsenic (As)	< 0.005	mg/L	EPA 206.3
Cadmium (Cd)	< 0.002	mg/L	EPA 213.1
Chromium (Cr)	< 0.02	mg/L	EPA 218.1
Iron (Fe)	8.54	mg/L	EPA 236.1
Lead (Pb)	< 0.001	mg/L	EPA 239.2
Mercury (Hg)	< 0.001	mg/L	EPA 245.2
Sodium (Na)	8.3	mg/L	EPA 273.1
Bicarbonate as CaCO3	121.	mg/L	EPA 310.1
Chloride (Cl)	18.	mg/L	EPA 325.3
Ammonia Nitrogen (NH3-N)	0.22	mg/L	EPA 350.1
Ammonium Nitrogen (NH4-N)	0.22	mg/L	EPA 350.1

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

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Attn: J.R. Prestridge

06-20-95
Page 2

Laboratory Number: 36381

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-2
Sampled by: R. Greene\J. Finn on 05-09-95 @ 0900
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

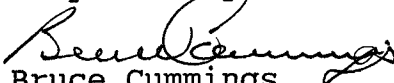
FIELD DATA

Parameter	Result	Units	Method
pH	6.24	S.U.	EPA 150.1
Conductivity	300.	umhos/cm	EPA 120.1
Temperature	22.6	Degrees C	EPA 170.1
Dissolved Oxygen	1.8	mg/L	EPA 360.1
Turbidity	19.	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	4.75	Ft.	
Water level	8.50	Ft.	
Groundwater elevation (TOC)	81.11	Ft.	
Volume removed before sampling	8.0	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
Nitrate (NO3-N)	0.04	mg/L	EPA 353.2
Total Organic Carbon	8.2	mg/L	EPA 415.1
1,1,1-trichloroethane	< 1.	ug/L	EPA 601
1,1,2,2-tetrachloroethane	< 1.	ug/L	EPA 601
1,1,2-trichloroethane	< 1.	ug/L	EPA 601
1,1-dichloroethane	< 1.	ug/L	EPA 601
1,1-dichloroethene	< 1.	ug/L	EPA 601
1,2-dichloroethane	< 1.	ug/L	EPA 601
1,2-dichloropropane	< 1.	ug/L	EPA 601
2-chloroethylvinyl ether	< 1.	ug/L	EPA 601
Bromodichloromethane	< 1.	ug/L	EPA 601
Bromoform	< 1.	ug/L	EPA 601
Bromomethane	< 1.	ug/L	EPA 601

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

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06-20-95
Page 3

Laboratory Number: 36381

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-2
Sampled by: R. Greene\J. Finn on 05-09-95 @ 0900
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

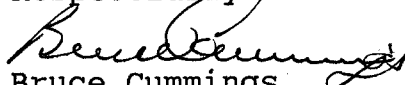
FIELD DATA

Parameter	Result	Units	Method
pH	6.24	S.U.	EPA 150.1
Conductivity	300.	umhos/cm	EPA 120.1
Temperature	22.6	Degrees C	EPA 170.1
Dissolved Oxygen	1.8	mg/L	EPA 360.1
Turbidity	19.	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	4.75	Ft.	
Water level	8.50	Ft.	
Groundwater elevation (TOC)	81.11	Ft.	
Volume removed before sampling	8.0	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
Carbon tetrachloride	< 1.	ug/L	EPA 601
Chloroethane	< 1.	ug/L	EPA 601
Chloroform	< 1.	ug/L	EPA 601
Chloromethane	< 1.	ug/L	EPA 601
Dibromochloromethane	< 1.	ug/L	EPA 601
Dichlorodifluoromethane	< 1.	ug/L	EPA 601
Methylene chloride	< 1.	ug/L	EPA 601
Tetrachloroethene	< 1.	ug/L	EPA 601
Trichloroethene	< 1.	ug/L	EPA 601
Trichlorofluoromethane	< 1.	ug/L	EPA 601
Vinyl chloride	< 1.	ug/L	EPA 601
cis-1,2-dichloroethene	< 1.	ug/L	EPA 601
cis-1,3-dichloropropene	< 1.	ug/L	EPA 601

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

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06-20-95
Page 4

Laboratory Number: 36381

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-2
Sampled by: R. Greene\J. Finn on 05-09-95 @ 0900
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

FIELD DATA

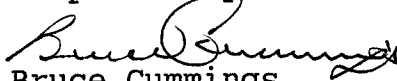
Parameter	Result	Units	Method
pH	6.24	S.U.	EPA 150.1
Conductivity	300.	umhos/cm	EPA 120.1
Temperature	22.6	Degrees C	EPA 170.1
Dissolved Oxygen	1.8	mg/L	EPA 360.1
Turbidity	19.	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	4.75	Ft.	
Water level	8.50	Ft.	
Groundwater elevation (TOC)	81.11	Ft.	
Volume removed before sampling	8.0	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
trans-1,2-dichloroethene	< 1.	ug/L	EPA 601
trans-1,3-dichloropropene	< 1.	ug/L	EPA 601
1,2-dichlorobenzene	< 1.	ug/L	EPA 602
1,3-dichlorobenzene	< 1.	ug/L	EPA 602
1,4-dichlorobenzene	< 1.	ug/L	EPA 602
Benzene	< 1.	ug/L	EPA 602
Chlorobenzene	< 1.	ug/L	EPA 602
Ethylbenzene	< 1.	ug/L	EPA 602
Methyl tertiary butyl ether	< 1.	ug/L	EPA 602
Toluene	< 1.	ug/L	EPA 602
Xylenes (total)	< 1.	ug/L	EPA 602

EPA Methods 415.1, 601 & 602 performed by HRS # E84098

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.
10405 US 27 South
Sebring, Florida 33870
1-800-833-4022 HRS # 85344 (813) 655-4022

06-20-95
Page 1

For: Hardee County Board of County Commissioners
Dept. of Solid Waste & Recycling Center
P.O. Box 246
Wauchula, FL 33873
Attn: J.R. Prestridge

Laboratory Number: 36382

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-3
Sampled by: R. Greene\J. Finn on 05-09-95 @ 1150
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

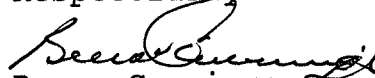
FIELD DATA

Parameter	Result	Units	Method
pH	5.35	S.U.	EPA 150.1
Conductivity	100.	umhos/cm	EPA 120.1
Temperature	24.4	Degrees C	EPA 170.1
Dissolved Oxygen	1.9	mg/L	EPA 360.1
Turbidity	2.4	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	5.50	Ft.	
Water level	11.50	Ft.	
Groundwater elevation (TOC)	82.25	Ft.	
Volume removed before sampling	10.5	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
Color	38.	Pt/Co	EPA 110.2
Total Dissolved Solids	64.	mg/L	EPA 160.1
Arsenic (As)	< 0.005	mg/L	EPA 206.3
Cadmium (Cd)	< 0.002	mg/L	EPA 213.1
Chromium (Cr)	< 0.02	mg/L	EPA 218.1
Iron (Fe)	1.08	mg/L	EPA 236.1
Lead (Pb)	< 0.001	mg/L	EPA 239.2
Mercury (Hg)	< 0.001	mg/L	EPA 245.2
Sodium (Na)	3.2	mg/L	EPA 273.1
Bicarbonate as CaCO3	23.	mg/L	EPA 310.1
Chloride (Cl)	6.0	mg/L	EPA 325.3
Ammonia Nitrogen (NH3-N)	0.08	mg/L	EPA 350.1
Ammonium Nitrogen (NH4-N)	0.08	mg/L	EPA 350.1

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.
10405 US 27 South
Sebring, Florida 33870
1-800-833-4022 HRS # 85344 (813) 655-4022

For: Hardee County Board of County Commissioners
Dept. of Solid Waste & Recycling Center
P.O. Box 246
Wauchula, FL 33873
Attn: J.R. Prestridge

06-20-95
Page 2

Laboratory Number: 36382

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-3
Sampled by: R. Greene\J. Finn on 05-09-95 @ 1150
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

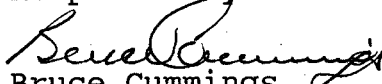
FIELD DATA

Parameter	Result	Units	Method
pH	5.35	S.U.	EPA 150.1
Conductivity	100.	umhos/cm	EPA 120.1
Temperature	24.4	Degrees C	EPA 170.1
Dissolved Oxygen	1.9	mg/L	EPA 360.1
Turbidity	2.4	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	5.50	Ft.	
Water level	11.50	Ft.	
Groundwater elevation (TOC)	82.25	Ft.	
Volume removed before sampling	10.5	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
Nitrate (NO3-N)	< 0.02	mg/L	EPA 353.2
Total Organic Carbon	4.8	mg/L	EPA 415.1
1,1,1-trichloroethane	< 1.	ug/L	EPA 601
1,1,2,2-tetrachloroethane	< 1.	ug/L	EPA 601
1,1,2-trichloroethane	< 1.	ug/L	EPA 601
1,1-dichloroethane	< 1.	ug/L	EPA 601
1,1-dichloroethene	< 1.	ug/L	EPA 601
1,2-dichloroethane	< 1.	ug/L	EPA 601
1,2-dichloropropane	< 1.	ug/L	EPA 601
2-chloroethylvinyl ether	< 1.	ug/L	EPA 601
Bromodichloromethane	< 1.	ug/L	EPA 601
Bromoform	< 1.	ug/L	EPA 601
Bromomethane	< 1.	ug/L	EPA 601

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.
10405 US 27 South
Sebring, Florida 33870
1-800-833-4022 HRS # 85344 (813) 655-4022

For: Hardee County Board of County Commissioners 06-20-95
Dept. of Solid Waste & Recycling Center Page 3
P.O. Box 246
Wauchula, FL 33873
Attn: J.R. Prestridge

Laboratory Number: 36382

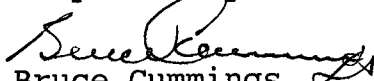
Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-3
Sampled by: R. Greene\J. Finn on 05-09-95 @ 1150
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

FIELD DATA Parameter	Result	Units	Method
pH	5.35	S.U.	EPA 150.1
Conductivity	100.	umhos/cm	EPA 120.1
Temperature	24.4	Degrees C	EPA 170.1
Dissolved Oxygen	1.9	mg/L	EPA 360.1
Turbidity	2.4	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	5.50	Ft.	
Water level	11.50	Ft.	
Groundwater elevation (TOC)	82.25	Ft.	
Volume removed before sampling	10.5	Gal.	

LABORATORY DATA Parameter	Result	Units	Method
Carbon tetrachloride	< 1.	ug/L	EPA 601
Chloroethane	< 1.	ug/L	EPA 601
Chloroform	< 1.	ug/L	EPA 601
Chloromethane	< 1.	ug/L	EPA 601
Dibromochloromethane	< 1.	ug/L	EPA 601
Dichlorodifluoromethane	< 1.	ug/L	EPA 601
Methylene chloride	< 1.	ug/L	EPA 601
Tetrachloroethene	< 1.	ug/L	EPA 601
Trichloroethene	< 1.	ug/L	EPA 601
Trichlorofluoromethane	< 1.	ug/L	EPA 601
Vinyl chloride	< 1.	ug/L	EPA 601
cis-1,2-dichloroethene	< 1.	ug/L	EPA 601
cis-1,3-dichloropropene	< 1.	ug/L	EPA 601

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.
10405 US 27 South
Sebring, Florida 33870
1-800-833-4022 HRS # 85344 (813) 655-4022

For: Hardee County Board of County Commissioners
Dept. of Solid Waste & Recycling Center
P.O. Box 246
Wauchula, FL 33873
Attn: J.R. Prestridge

06-20-95
Page 4

Laboratory Number: 36382

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-3
Sampled by: R. Greene\J. Finn on 05-09-95 @ 1150
Received: 05-09-95 @ 1515

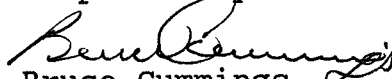
REPORT OF ANALYSIS

FIELD DATA Parameter	Result	Units	Method
pH	5.35	S.U.	EPA 150.1
Conductivity	100.	umhos/cm	EPA 120.1
Temperature	24.4	Degrees C	EPA 170.1
Dissolved Oxygen	1.9	mg/L	EPA 360.1
Turbidity	2.4	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	5.50	Ft.	
Water level	11.50	Ft.	
Groundwater elevation (TOC)	82.25	Ft.	
Volume removed before sampling	10.5	Gal.	

LABORATORY DATA Parameter	Result	Units	Method
trans-1,2-dichloroethene	< 1.	ug/L	EPA 601
trans-1,3-dichloropropene	< 1.	ug/L	EPA 601
1,2-dichlorobenzene	< 1.	ug/L	EPA 602
1,3-dichlorobenzene	< 1.	ug/L	EPA 602
1,4-dichlorobenzene	< 1.	ug/L	EPA 602
Benzene	< 1.	ug/L	EPA 602
Chlorobenzene	< 1.	ug/L	EPA 602
Ethylbenzene	< 1.	ug/L	EPA 602
Methyl tertiary butyl ether	< 1.	ug/L	EPA 602
Toluene	< 1.	ug/L	EPA 602
Xylenes (total)	< 1.	ug/L	EPA 602

EPA Methods 415.1, 601 & 602 performed by HRS # E84098

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.
10405 US 27 South
Sebring, Florida 33870
1-800-833-4022 HRS # 85344 (813) 655-4022

For: Hardee County Board of County Commissioners
Dept. of Solid Waste & Recycling Center
P.O. Box 246
Wauchula, FL 33873
Attn: J.R. Prestridge

06-20-95
Page 1

Laboratory Number: 36383

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-4
Sampled by: R. Greene\J. Finn on 05-09-95 @ 0935
Received: 05-09-95 @ 1515

4572

REPORT OF ANALYSIS

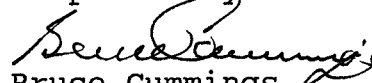
FIELD DATA

Parameter	Result	Units	Method
pH	6.35	S.U.	EPA 150.1
Conductivity	350.	umhos/cm	EPA 120.1
Temperature	22.1	Degrees C	EPA 170.1
Dissolved Oxygen	2.2	mg/L	EPA 360.1
Turbidity	1.9	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	5.75	Ft.	
Water level	16.25	Ft.	
Groundwater elevation (TOC)	81.41	Ft.	
Volume removed before sampling	8.0	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
Color	2100.	Pt/Co	EPA 110.2
Total Dissolved Solids	326.	mg/L	EPA 160.1
Arsenic (As)	0.029	mg/L	EPA 206.3
Cadmium (Cd)	< 0.002	mg/L	EPA 213.1
Chromium (Cr)	< 0.02	mg/L	EPA 218.1
Iron (Fe)	63.6	mg/L	EPA 236.1
Lead (Pb)	< 0.001	mg/L	EPA 239.2
Mercury (Hg)	< 0.001	mg/L	EPA 245.2
Sodium (Na)	4.3	mg/L	EPA 273.1
Bicarbonate as CaCO3	100.	mg/L	EPA 310.1
Chloride (Cl)	9.3	mg/L	EPA 325.3
Ammonia Nitrogen (NH3-N)	0.52	mg/L	EPA 350.1
Ammonium Nitrogen (NH4-N)	0.52	mg/L	EPA 350.1

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.
10405 US 27 South
Sebring, Florida 33870
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For: Hardee County Board of County Commissioners
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Attn: J.R. Prestridge

06-20-95
Page 2

Laboratory Number: 36383

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-4
Sampled by: R. Greene\J. Finn on 05-09-95 @ 0935
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

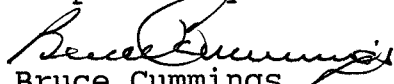
FIELD DATA

Parameter	Result	Units	Method
pH	6.35	S.U.	EPA 150.1
Conductivity	350.	umhos/cm	EPA 120.1
Temperature	22.1	Degrees C	EPA 170.1
Dissolved Oxygen	2.2	mg/L	EPA 360.1
Turbidity	1.9	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	5.75	Ft.	
Water level	16.25	Ft.	
Groundwater elevation (TOC)	81.41	Ft.	
Volume removed before sampling	8.0	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
Nitrate (NO3-N)	0.05	mg/L	EPA 353.2
Total Organic Carbon	82.	mg/L	EPA 415.1
1,1,1-trichloroethane	< 1.	ug/L	EPA 601
1,1,2,2-tetrachloroethane	< 1.	ug/L	EPA 601
1,1,2-trichloroethane	< 1.	ug/L	EPA 601
1,1-dichloroethane	< 1.	ug/L	EPA 601
1,1-dichloroethene	< 1.	ug/L	EPA 601
1,2-dichloroethane	< 1.	ug/L	EPA 601
1,2-dichloropropane	< 1.	ug/L	EPA 601
2-chloroethylvinyl ether	< 1.	ug/L	EPA 601
Bromodichloromethane	< 1.	ug/L	EPA 601
Bromoform	< 1.	ug/L	EPA 601
Bromomethane	< 1.	ug/L	EPA 601

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.
10405 US 27 South
Sebring, Florida 33870
1-800-833-4022 HRS # 85344 (813) 655-4022

For: Hardee County Board of County Commissioners
Dept. of Solid Waste & Recycling Center
P.O. Box 246
Wauchula, FL 33873
Attn: J.R. Prestridge

06-20-95
Page 3

Laboratory Number: 36383

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-4
Sampled by: R. Greene\J. Finn on 05-09-95 @ 0935
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

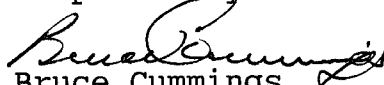
FIELD DATA

Parameter	Result	Units	Method
pH	6.35	S.U.	EPA 150.1
Conductivity	350.	umhos/cm	EPA 120.1
Temperature	22.1	Degrees C	EPA 170.1
Dissolved Oxygen	2.2	mg/L	EPA 360.1
Turbidity	1.9	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	5.75	Ft.	
Water level	16.25	Ft.	
Groundwater elevation (TOC)	81.41	Ft.	
Volume removed before sampling	8.0	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
Carbon tetrachloride	< 1.	ug/L	EPA 601
Chloroethane	< 1.	ug/L	EPA 601
Chloroform	< 1.	ug/L	EPA 601
Chloromethane	< 1.	ug/L	EPA 601
Dibromochloromethane	< 1.	ug/L	EPA 601
Dichlorodifluoromethane	< 1.	ug/L	EPA 601
Methylene chloride	< 1.	ug/L	EPA 601
Tetrachloroethene	< 1.	ug/L	EPA 601
Trichloroethene	< 1.	ug/L	EPA 601
Trichlorofluoromethane	< 1.	ug/L	EPA 601
Vinyl chloride	< 1.	ug/L	EPA 601
cis-1,2-dichloroethene	< 1.	ug/L	EPA 601
cis-1,3-dichloropropene	< 1.	ug/L	EPA 601

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.
10405 US 27 South
Sebring, Florida 33870
1-800-833-4022 HRS # 85344 (813) 655-4022

For: Hardee County Board of County Commissioners
Dept. of Solid Waste & Recycling Center
P.O. Box 246
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Attn: J.R. Prestridge

06-20-95
Page 4

Laboratory Number: 36383

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-4
Sampled by: R. Greene\J. Finn on 05-09-95 @ 0935
Received: 05-09-95 @ 1515

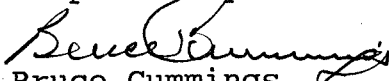
REPORT OF ANALYSIS

FIELD DATA Parameter	Result	Units	Method
pH	6.35	S.U.	EPA 150.1
Conductivity	350.	umhos/cm	EPA 120.1
Temperature	22.1	Degrees C	EPA 170.1
Dissolved Oxygen	2.2	mg/L	EPA 360.1
Turbidity	1.9	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	5.75	Ft.	
Water level	16.25	Ft.	
Groundwater elevation (TOC)	81.41	Ft.	
Volume removed before sampling	8.0	Gal.	

LABORATORY DATA Parameter	Result	Units	Method
trans-1,2-dichloroethene	< 1.	ug/L	EPA 601
trans-1,3-dichloropropene	< 1.	ug/L	EPA 601
1,2-dichlorobenzene	< 1.	ug/L	EPA 602
1,3-dichlorobenzene	< 1.	ug/L	EPA 602
1,4-dichlorobenzene	< 1.	ug/L	EPA 602
Benzene	< 1.	ug/L	EPA 602
Chlorobenzene	< 1.	ug/L	EPA 602
Ethylbenzene	< 1.	ug/L	EPA 602
Methyl tertiary butyl ether	< 1.	ug/L	EPA 602
Toluene	< 1.	ug/L	EPA 602
Xylenes (total)	< 1.	ug/L	EPA 602

EPA Methods 415.1, 601 & 602 performed by HRS # E84098

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.
10405 US 27 South
Sebring, Florida 33870
1-800-833-4022 HRS # 85344 (813) 655-4022

For: Hardee County Board of County Commissioners
Dept. of Solid Waste & Recycling Center
P.O. Box 246
Wauchula, FL 33873
Attn: J.R. Prestridge

06-20-95
Page 1

Laboratory Number: 36384

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-5
Sampled by: R. Greene\J. Finn on 05-09-95 @ 1120
Received: 05-09-95 @ 1515

4573

REPORT OF ANALYSIS

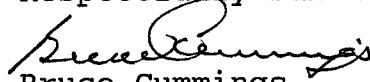
FIELD DATA

Parameter	Result	Units	Method
pH	5.00	S.U.	EPA 150.1
Conductivity	85.	umhos/cm	EPA 120.1
Temperature	23.4	Degrees C	EPA 170.1
Dissolved Oxygen	1.9	mg/L	EPA 360.1
Turbidity	3.8	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	7.50	Ft.	
Water level	13.50	Ft.	
Groundwater elevation (TOC)	81.26	Ft.	
Volume removed before sampling	6.6	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
Color	23.	Pt/Co	EPA 110.2
Total Dissolved Solids	68.	mg/L	EPA 160.1
Arsenic (As)	< 0.005	mg/L	EPA 206.3
Cadmium (Cd)	< 0.002	mg/L	EPA 213.1
Chromium (Cr)	< 0.02	mg/L	EPA 218.1
Iron (Fe)	5.91	mg/L	EPA 236.1
Lead (Pb)	< 0.001	mg/L	EPA 239.2
Mercury (Hg)	< 0.001	mg/L	EPA 245.2
Sodium (Na)	5.1	mg/L	EPA 273.1
Bicarbonate as CaCO3	6.9	mg/L	EPA 310.1
Chloride (Cl)	6.2	mg/L	EPA 325.3
Ammonia Nitrogen (NH3-N)	0.19	mg/L	EPA 350.1
Ammonium Nitrogen (NH4-N)	0.19	mg/L	EPA 350.1

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.
10405 US 27 South
Sebring, Florida 33870
1-800-833-4022 HRS # 85344 (813) 655-4022

For: Hardee County Board of County Commissioners
Dept. of Solid Waste & Recycling Center
P.O. Box 246
Wauchula, FL 33873
Attn: J.R. Prestridge

06-20-95
Page 2

Laboratory Number: 36384

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-5
Sampled by: R. Greene\J. Finn on 05-09-95 @ 1120
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

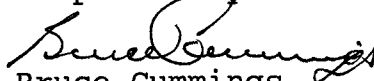
FIELD DATA

Parameter	Result	Units	Method
pH	5.00	S.U.	EPA 150.1
Conductivity	85.	umhos/cm	EPA 120.1
Temperature	23.4	Degrees C	EPA 170.1
Dissolved Oxygen	1.9	mg/L	EPA 360.1
Turbidity	3.8	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	7.50	Ft.	
Water level	13.50	Ft.	
Groundwater elevation (TOC)	81.26	Ft.	
Volume removed before sampling	6.6	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
Nitrate (NO3-N)	0.07	mg/L	EPA 353.2
Total Organic Carbon	6.1	mg/L	EPA 415.1
1,1,1-trichloroethane	< 1.	ug/L	EPA 601
1,1,2,2-tetrachloroethane	< 1.	ug/L	EPA 601
1,1,2-trichloroethane	< 1.	ug/L	EPA 601
1,1-dichloroethane	< 1.	ug/L	EPA 601
1,1-dichloroethene	< 1.	ug/L	EPA 601
1,2-dichloroethane	< 1.	ug/L	EPA 601
1,2-dichloropropane	< 1.	ug/L	EPA 601
2-chloroethylvinyl ether	< 1.	ug/L	EPA 601
Bromodichloromethane	< 1.	ug/L	EPA 601
Bromoform	< 1.	ug/L	EPA 601
Bromomethane	< 1.	ug/L	EPA 601

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.
10405 US 27 South
Sebring, Florida 33870
1-800-833-4022 HRS # 85344 (813) 655-4022

For: Hardee County Board of County Commissioners
Dept. of Solid Waste & Recycling Center
P.O. Box 246
Wauchula, FL 33873
Attn: J.R. Prestridge

06-20-95
Page 3

Laboratory Number: 36384

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-5
Sampled by: R. Greene\J. Finn on 05-09-95 @ 1120
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

FIELD DATA

Parameter	Result	Units	Method
pH	5.00	S.U.	EPA 150.1
Conductivity	85.	umhos/cm	EPA 120.1
Temperature	23.4	Degrees C	EPA 170.1
Dissolved Oxygen	1.9	mg/L	EPA 360.1
Turbidity	3.8	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	7.50	Ft.	
Water level	13.50	Ft.	
Groundwater elevation (TOC)	81.26	Ft.	
Volume removed before sampling	6.6	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
Carbon tetrachloride	< 1.	ug/L	EPA 601
Chloroethane	< 1.	ug/L	EPA 601
Chloroform	< 1.	ug/L	EPA 601
Chloromethane	< 1.	ug/L	EPA 601
Dibromochloromethane	< 1.	ug/L	EPA 601
Dichlorodifluoromethane	< 1.	ug/L	EPA 601
Methylene chloride	< 1.	ug/L	EPA 601
Tetrachloroethene	< 1.	ug/L	EPA 601
Trichloroethene	< 1.	ug/L	EPA 601
Trichlorofluoromethane	< 1.	ug/L	EPA 601
Vinyl chloride	< 1.	ug/L	EPA 601
cis-1,2-dichloroethene	< 1.	ug/L	EPA 601
cis-1,3-dichloropropene	< 1.	ug/L	EPA 601

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.
10405 US 27 South
Sebring, Florida 33870
1-800-833-4022 HRS # 85344 (813) 655-4022

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Page 4

For: Hardee County Board of County Commissioners
Dept. of Solid Waste & Recycling Center
P.O. Box 246
Wauchula, FL 33873
Attn: J.R. Prestridge

Laboratory Number: 36384

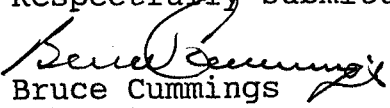
Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-5
Sampled by: R. Greene\J. Finn on 05-09-95 @ 1120
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

FIELD DATA Parameter	Result	Units	Method
pH	5.00	S.U.	EPA 150.1
Conductivity	85.	umhos/cm	EPA 120.1
Temperature	23.4	Degrees C	EPA 170.1
Dissolved Oxygen	1.9	mg/L	EPA 360.1
Turbidity	3.8	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	7.50	Ft.	
Water level	13.50	Ft.	
Groundwater elevation (TOC)	81.26	Ft.	
Volume removed before sampling	6.6	Gal.	

LABORATORY DATA Parameter	Result	Units	Method
trans-1,2-dichloroethene	< 1.	ug/L	EPA 601
trans-1,3-dichloropropene	< 1.	ug/L	EPA 601
1,2-dichlorobenzene	< 1.	ug/L	EPA 602
1,3-dichlorobenzene	< 1.	ug/L	EPA 602
1,4-dichlorobenzene	< 1.	ug/L	EPA 602
Benzene	< 1.	ug/L	EPA 602
Chlorobenzene	< 1.	ug/L	EPA 602
Ethylbenzene	< 1.	ug/L	EPA 602
Methyl tertiary butyl ether	< 1.	ug/L	EPA 602
Toluene	< 1.	ug/L	EPA 602
Xylenes (total)	< 1.	ug/L	EPA 602

EPA Methods 415.1, 601 & 602 performed by HRS # E84098

Respectfully Submitted,

Bruce Cummings
Laboratory Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.
10405 US 27 South
Sebring, Florida 33870
1-800-833-4022 HRS # 85344 (813) 655-4022

For: Hardee County Board of County Commissioners
Dept. of Solid Waste & Recycling Center
P.O. Box 246
Wauchula, FL 33873
Attn: J.R. Prestridge

06-20-95
Page 1

Laboratory Number: 36385

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-6
Sampled by: R. Greene\J. Finn on 05-09-95 @ 1230
Received: 05-09-95 @ 1515

4574

REPORT OF ANALYSIS

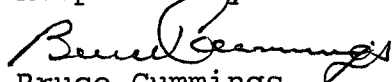
FIELD DATA

Parameter	Result	Units	Method
pH	4.83	S.U.	EPA 150.1
Conductivity	190.	umhos/cm	EPA 120.1
Temperature	22.6	Degrees C	EPA 170.1
Dissolved Oxygen	1.5	mg/L	EPA 360.1
Turbidity	1.1	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	7.50	Ft.	
Water level	16.33	Ft.	
Groundwater elevation (TOC)	80.44	Ft.	
Volume removed before sampling	7.98	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
Color	3.	Pt/Co	EPA 110.2
Total Dissolved Solids	98.	mg/L	EPA 160.1
Arsenic (As)	< 0.005	mg/L	EPA 206.3
Cadmium (Cd)	< 0.002	mg/L	EPA 213.1
Chromium (Cr)	< 0.02	mg/L	EPA 218.1
Iron (Fe)	7.80	mg/L	EPA 236.1
Lead (Pb)	0.001	mg/L	EPA 239.2
Mercury (Hg)	< 0.001	mg/L	EPA 245.2
Sodium (Na)	21.	mg/L	EPA 273.1
Bicarbonate as CaCO3	8.9	mg/L	EPA 310.1
Chloride (Cl)	42.	mg/L	EPA 325.3
Ammonia Nitrogen (NH3-N)	0.10	mg/L	EPA 350.1
Ammonium Nitrogen (NH4-N)	0.10	mg/L	EPA 350.1

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

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For: Hardee County Board of County Commissioners
Dept. of Solid Waste & Recycling Center
P.O. Box 246
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Attn: J.R. Prestridge

06-20-95
Page 2

Laboratory Number: 36385

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-6
Sampled by: R. Greene\J. Finn on 05-09-95 @ 1230
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

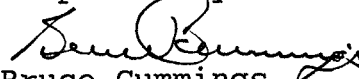
FIELD DATA

Parameter	Result	Units	Method
pH	4.83	S.U.	EPA 150.1
Conductivity	190.	umhos/cm	EPA 120.1
Temperature	22.6	Degrees C	EPA 170.1
Dissolved Oxygen	1.5	mg/L	EPA 360.1
Turbidity	1.1	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	7.50	Ft.	
Water level	16.33	Ft.	
Groundwater elevation (TOC)	80.44	Ft.	
Volume removed before sampling	7.98	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
Nitrate (NO3-N)	0.04	mg/L	EPA 353.2
Total Organic Carbon	3.4	mg/L	EPA 415.1
1,1,1-trichloroethane	< 1.	ug/L	EPA 601
1,1,2,2-tetrachloroethane	< 1.	ug/L	EPA 601
1,1,2-trichloroethane	< 1.	ug/L	EPA 601
1,1-dichloroethane	< 1.	ug/L	EPA 601
1,1-dichloroethene	< 1.	ug/L	EPA 601
1,2-dichloroethane	< 1.	ug/L	EPA 601
1,2-dichloropropane	< 1.	ug/L	EPA 601
2-chloroethylvinyl ether	< 1.	ug/L	EPA 601
Bromodichloromethane	< 1.	ug/L	EPA 601
Bromoform	< 1.	ug/L	EPA 601
Bromomethane	< 1.	ug/L	EPA 601

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

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Attn: J.R. Prestridge

06-20-95
Page 3

Laboratory Number: 36385

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-6
Sampled by: R. Greene\J. Finn on 05-09-95 @ 1230
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

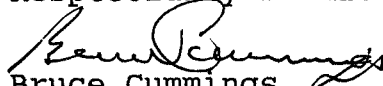
FIELD DATA

Parameter	Result	Units	Method
pH	4.83	S.U.	EPA 150.1
Conductivity	190.	umhos/cm	EPA 120.1
Temperature	22.6	Degrees C	EPA 170.1
Dissolved Oxygen	1.5	mg/L	EPA 360.1
Turbidity	1.1	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	7.50	Ft.	
Water level	16.33	Ft.	
Groundwater elevation (TOC)	80.44	Ft.	
Volume removed before sampling	7.98	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
Carbon tetrachloride	< 1.	ug/L	EPA 601
Chloroethane	< 1.	ug/L	EPA 601
Chloroform	< 1.	ug/L	EPA 601
Chloromethane	< 1.	ug/L	EPA 601
Dibromochloromethane	< 1.	ug/L	EPA 601
Dichlorodifluoromethane	< 1.	ug/L	EPA 601
Methylene chloride	< 1.	ug/L	EPA 601
Tetrachloroethene	< 1.	ug/L	EPA 601
Trichloroethene	< 1.	ug/L	EPA 601
Trichlorofluoromethane	< 1.	ug/L	EPA 601
Vinyl chloride	< 1.	ug/L	EPA 601
cis-1,2-dichloroethene	< 1.	ug/L	EPA 601
cis-1,3-dichloropropene	< 1.	ug/L	EPA 601

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

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10405 US 27 South
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For: Hardee County Board of County Commissioners
Dept. of Solid Waste & Recycling Center
P.O. Box 246
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Attn: J.R. Prestridge

06-20-95
Page 4

Laboratory Number: 36385

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-6
Sampled by: R. Greene\J. Finn on 05-09-95 @ 1230
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

FIELD DATA

Parameter	Result	Units	Method
pH	4.83	S.U.	EPA 150.1
Conductivity	190.	umhos/cm	EPA 120.1
Temperature	22.6	Degrees C	EPA 170.1
Dissolved Oxygen	1.5	mg/L	EPA 360.1
Turbidity	1.1	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	7.50	Ft.	
Water level	16.33	Ft.	
Groundwater elevation (TOC)	80.44	Ft.	
Volume removed before sampling	7.98	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
trans-1,2-dichloroethene	< 1.	ug/L	EPA 601
trans-1,3-dichloropropene	< 1.	ug/L	EPA 601
1,2-dichlorobenzene	< 1.	ug/L	EPA 602
1,3-dichlorobenzene	< 1.	ug/L	EPA 602
1,4-dichlorobenzene	< 1.	ug/L	EPA 602
Benzene	< 1.	ug/L	EPA 602
Chlorobenzene	< 1.	ug/L	EPA 602
Ethylbenzene	< 1.	ug/L	EPA 602
Methyl tertiary butyl ether	< 1.	ug/L	EPA 602
Toluene	< 1.	ug/L	EPA 602
Xylenes (total)	< 1.	ug/L	EPA 602

EPA Methods 415.1, 601 & 602 performed by HRS # E84098

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.
10405 US 27 South
Sebring, Florida 33870
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06-20-95

For: Hardee County Board of County Commissioners
Dept. of Solid Waste & Recycling Center
P.O. Box 246
Wauchula, FL 33873
Attn: J.R. Prestridge

Page 1

Laboratory Number: 36386

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-7
Sampled by: R. Greene\J. Finn on 05-09-95 @ 1300
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

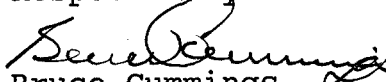
FIELD DATA

Parameter	Result	Units	Method
pH	4.48	S.U.	EPA 150.1
Conductivity	200.	umhos/cm	EPA 120.1
Temperature	22.3	Degrees C	EPA 170.1
Dissolved Oxygen	2.0	mg/L	EPA 360.1
Turbidity	1.6	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	7.00	Ft.	
Water level	17.00	Ft.	
Groundwater elevation (TOC)	80.51	Ft.	
Volume removed before sampling	8.30	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
Color	47.	Pt/Co	EPA 110.2
Total Dissolved Solids	112.	mg/L	EPA 160.1
Arsenic (As)	< 0.005	mg/L	EPA 206.3
Cadmium (Cd)	< 0.002	mg/L	EPA 213.1
Chromium (Cr)	< 0.02	mg/L	EPA 218.1
Iron (Fe)	6.70	mg/L	EPA 236.1
Lead (Pb)	0.001	mg/L	EPA 239.2
Mercury (Hg)	< 0.001	mg/L	EPA 245.2
Sodium (Na)	24.	mg/L	EPA 273.1
Bicarbonate as CaCO3	4.9	mg/L	EPA 310.1
Chloride (Cl)	49.	mg/L	EPA 325.3
Ammonia Nitrogen (NH3-N)	0.37	mg/L	EPA 350.1
Ammonium Nitrogen (NH4-N)	0.37	mg/L	EPA 350.1

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.
10405 US 27 South
Sebring, Florida 33870
1-800-833-4022 HRS # 85344 (813) 655-4022

For: Hardee County Board of County Commissioners
Dept. of Solid Waste & Recycling Center
P.O. Box 246
Wauchula, FL 33873
Attn: J.R. Prestridge

06-20-95
Page 2

Laboratory Number: 36386

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-7
Sampled by: R. Greene\J. Finn on 05-09-95 @ 1300
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

FIELD DATA

Parameter	Result	Units	Method
pH	4.48	S.U.	EPA 150.1
Conductivity	200.	umhos/cm	EPA 120.1
Temperature	22.3	Degrees C	EPA 170.1
Dissolved Oxygen	2.0	mg/L	EPA 360.1
Turbidity	1.6	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	7.00	Ft.	
Water level	17.00	Ft.	
Groundwater elevation (TOC)	80.51	Ft.	
Volume removed before sampling	8.30	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
Nitrate (NO3-N)	< 0.02	mg/L	EPA 353.2
Total Organic Carbon	11.	mg/L	EPA 415.1
1,1,1-trichloroethane	< 1.	ug/L	EPA 601
1,1,2,2-tetrachloroethane	< 1.	ug/L	EPA 601
1,1,2-trichloroethane	< 1.	ug/L	EPA 601
1,1-dichloroethane	< 1.	ug/L	EPA 601
1,1-dichloroethene	< 1.	ug/L	EPA 601
1,2-dichloroethane	< 1.	ug/L	EPA 601
1,2-dichloropropane	< 1.	ug/L	EPA 601
2-chloroethylvinyl ether	< 1.	ug/L	EPA 601
Bromodichloromethane	< 1.	ug/L	EPA 601
Bromoform	< 1.	ug/L	EPA 601
Bromomethane	< 1.	ug/L	EPA 601

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.
10405 US 27 South
Sebring, Florida 33870
1-800-833-4022 HRS # 85344 (813) 655-4022

For: Hardee County Board of County Commissioners
Dept. of Solid Waste & Recycling Center
P.O. Box 246
Wauchula, FL 33873
Attn: J.R. Prestridge

06-20-95
Page 3

Laboratory Number: 36386

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-7
Sampled by: R. Greene\J. Finn on 05-09-95 @ 1300
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

FIELD DATA

Parameter	Result	Units	Method
pH	4.48	S.U.	EPA 150.1
Conductivity	200.	umhos/cm	EPA 120.1
Temperature	22.3	Degrees C	EPA 170.1
Dissolved Oxygen	2.0	mg/L	EPA 360.1
Turbidity	1.6	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	7.00	Ft.	
Water level	17.00	Ft.	
Groundwater elevation (TOC)	80.51	Ft.	
Volume removed before sampling	8.30	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
Carbon tetrachloride	< 1.	ug/L	EPA 601
Chloroethane	< 1.	ug/L	EPA 601
Chloroform	< 1.	ug/L	EPA 601
Chloromethane	< 1.	ug/L	EPA 601
Dibromochloromethane	< 1.	ug/L	EPA 601
Dichlorodifluoromethane	< 1.	ug/L	EPA 601
Methylene chloride	< 1.	ug/L	EPA 601
Tetrachloroethene	< 1.	ug/L	EPA 601
Trichloroethene	< 1.	ug/L	EPA 601
Trichlorofluoromethane	< 1.	ug/L	EPA 601
Vinyl chloride	< 1.	ug/L	EPA 601
cis-1,2-dichloroethene	< 1.	ug/L	EPA 601
cis-1,3-dichloropropene	< 1.	ug/L	EPA 601

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.
10405 US 27 South
Sebring, Florida 33870
1-800-833-4022 HRS # 85344 (813) 655-4022

For: Hardee County Board of County Commissioners
Dept. of Solid Waste & Recycling Center
P.O. Box 246
Wauchula, FL 33873
Attn: J.R. Prestridge

06-20-95
Page 4

Laboratory Number: 36386

Sample type: Groundwater
Project: Hardee County
Location: Landfill
Sample ID: MW-7
Sampled by: R. Greene\J. Finn on 05-09-95 @ 1300
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

FIELD DATA

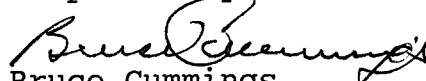
Parameter	Result	Units	Method
pH	4.48	S.U.	EPA 150.1
Conductivity	200.	umhos/cm	EPA 120.1
Temperature	22.3	Degrees C	EPA 170.1
Dissolved Oxygen	2.0	mg/L	EPA 360.1
Turbidity	1.6	NTU	EPA 180.1
Sheens	No Sheen		
Water depth	7.00	Ft.	
Water level	17.00	Ft.	
Groundwater elevation (TOC)	80.51	Ft.	
Volume removed before sampling	8.30	Gal.	

LABORATORY DATA

Parameter	Result	Units	Method
trans-1,2-dichloroethene	< 1.	ug/L	EPA 601
trans-1,3-dichloropropene	< 1.	ug/L	EPA 601
1,2-dichlorobenzene	< 1.	ug/L	EPA 602
1,3-dichlorobenzene	< 1.	ug/L	EPA 602
1,4-dichlorobenzene	< 1.	ug/L	EPA 602
Benzene	< 1.	ug/L	EPA 602
Chlorobenzene	< 1.	ug/L	EPA 602
Ethylbenzene	< 1.	ug/L	EPA 602
Methyl tertiary butyl ether	< 1.	ug/L	EPA 602
Toluene	< 1.	ug/L	EPA 602
Xylenes (total)	< 1.	ug/L	EPA 602

EPA Methods 415.1, 601 & 602 performed by HRS # E84098

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.
10405 US 27 South
Sebring, Florida 33870
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For: Hardee County Board of County Commissioners
Dept. of Solid Waste & Recycling Center
P.O. Box 246
Wauchula, FL 33873
Attn: J.R. Prestridge

06-20-95
Page 1

Laboratory Number: 36387

Sample type: Leachate
Project: Hardee County
Location: Landfill
Sample ID: Leachate
Sampled by: R. Greene\J. Finn on 05-09-95 @ 1330
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

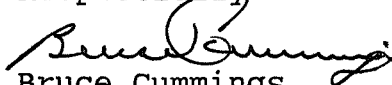
FIELD DATA

Parameter	Result	Units	Method
pH	5.49	S.U.	EPA 150.1
Conductivity	240.	umhos/cm	EPA 120.1
Temperature	25.1	Degrees C	EPA 170.1
Dissolved Oxygen	1.4	mg/L	EPA 360.1
Sheens	Sheen		

LABORATORY DATA

Parameter	Result	Units	Method
Color	54.	Pt/Co	EPA 110.2
Total Dissolved Solids	116.	mg/L	EPA 160.1
Arsenic (As)	< 0.005	mg/L	EPA 206.2
Cadmium (Cd)	< 0.002	mg/L	EPA 213.1
Chromium (Cr)	< 0.02	mg/L	EPA 218.1
Iron (Fe)	12.0	mg/L	EPA 236.1
Lead (Pb)	0.002	mg/L	EPA 239.2
Mercury (Hg)	< 0.001	mg/L	EPA 245.2
Sodium (Na)	14.	mg/L	EPA 273.1
Bicarbonate as CaCO3	58.	mg/L	EPA 310.1
Chloride (Cl)	23.	mg/L	EPA 325.3
Ammonia Nitrogen (NH3-N)	3.32	mg/L	EPA 350.1
Ammonium Nitrogen (NH4-N)	3.32	mg/L	EPA 350.1
Nitrate (NO3-N)	< 0.02	mg/L	EPA 353.2
Total Organic Carbon	10.	mg/L	EPA 415.1

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.
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Sebring, Florida 33870
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For: Hardee County Board of County Commissioners
Dept. of Solid Waste & Recycling Center
P.O. Box 246
Wauchula, FL 33873
Attn: J.R. Prestridge

06-20-95
Page 2

Laboratory Number: 36387

Sample type: Leachate
Project: Hardee County
Location: Landfill
Sample ID: Leachate
Sampled by: R. Greene\J. Finn on 05-09-95 @ 1330
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

FIELD DATA

Parameter	Result	Units	Method
pH	5.49	S.U.	EPA 150.1
Conductivity	240.	umhos/cm	EPA 120.1
Temperature	25.1	Degrees C	EPA 170.1
Dissolved Oxygen	1.4	mg/L	EPA 360.1
Sheens	Sheen		

LABORATORY DATA

Parameter	Result	Units	Method
1,1,1-trichloroethane	< 1.	ug/L	EPA 601
1,1,2,2-tetrachloroethane	< 1.	ug/L	EPA 601
1,1,2-trichloroethane	< 1.	ug/L	EPA 601
1,1-dichloroethane	< 1.	ug/L	EPA 601
1,1-dichloroethene	< 1.	ug/L	EPA 601
1,2-dichloroethane	< 1.	ug/L	EPA 601
1,2-dichloropropane	< 1.	ug/L	EPA 601
2-chloroethylvinyl ether	< 1.	ug/L	EPA 601
Bromodichloromethane	< 1.	ug/L	EPA 601
Bromoform	< 1.	ug/L	EPA 601
Bromomethane	< 1.	ug/L	EPA 601
Carbon tetrachloride	< 1.	ug/L	EPA 601
Chloroethane	< 1.	ug/L	EPA 601
Chloroform	< 1.	ug/L	EPA 601
Chloromethane	< 1.	ug/L	EPA 601
Dibromochloromethane	< 1.	ug/L	EPA 601

Respectfully Submitted,


Bruce Cummings
Laboratory Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.
10405 US 27 South
Sebring, Florida 33870
1-800-833-4022 HRS # 85344 (813) 655-4022

For: Hardee County Board of County Commissioners
Dept. of Solid Waste & Recycling Center
P.O. Box 246
Wauchula, FL 33873
Attn: J.R. Prestridge

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Laboratory Number: 36387

Sample type: Leachate
Project: Hardee County
Location: Landfill
Sample ID: Leachate
Sampled by: R. Greene\J. Finn on 05-09-95 @ 1330
Received: 05-09-95 @ 1515

REPORT OF ANALYSIS

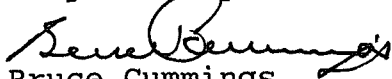
FIELD DATA

Parameter	Result	Units	Method
pH	5.49	S.U.	EPA 150.1
Conductivity	240.	umhos/cm	EPA 120.1
Temperature	25.1	Degrees C	EPA 170.1
Dissolved Oxygen	1.4	mg/L	EPA 360.1
Sheens	Sheen		

LABORATORY DATA

Parameter	Result	Units	Method
Dichlorodifluoromethane	< 1.	ug/L	EPA 601
Methylene chloride	< 1.	ug/L	EPA 601
Tetrachloroethene	< 1.	ug/L	EPA 601
Trichloroethene	< 1.	ug/L	EPA 601
Trichlorofluoromethane	< 1.	ug/L	EPA 601
Vinyl chloride	< 1.	ug/L	EPA 601
cis-1,2-dichloroethene	< 1.	ug/L	EPA 601
cis-1,3-dichloropropene	< 1.	ug/L	EPA 601
trans-1,2-dichloroethene	< 1.	ug/L	EPA 601
trans-1,3-dichloropropene	< 1.	ug/L	EPA 601

Respectfully Submitted,


Bruce Cummings
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Page 4

Laboratory Number: 36387

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REPORT OF ANALYSIS

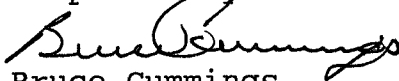
FIELD DATA Parameter	Result	Units	Method
pH	5.49	S.U.	EPA 150.1
Conductivity	240.	umhos/cm	EPA 120.1
Temperature	25.1	Degrees C	EPA 170.1
Dissolved Oxygen	1.4	mg/L	EPA 360.1
Sheens	Sheen		

LABORATORY DATA

1,2-dichlorobenzene	< 1.	ug/L	EPA 602
1,3-dichlorobenzene	< 1.	ug/L	EPA 602
1,4-dichlorobenzene	< 1.	ug/L	EPA 602
Benzene	1.4	ug/L	EPA 602
Chlorobenzene	1.9	ug/L	EPA 602
Ethylbenzene	1.4	ug/L	EPA 602
Methyl tertiary butyl ether	< 1.	ug/L	EPA 602
Toluene	< 1.	ug/L	EPA 602
Xylenes (total)	1.8	ug/L	EPA 602

EPA Methods 415.1, 601 & 602 performed by HRS # E84098

Respectfully Submitted,


Bruce Cummings
Laboratory Manager