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5/14/1995 13:47 8137733907 HARDEE COUNTY S.W. 4025C30001

DEP Form # 62-522.900(2)
Form Title GROUND WATER MON. REPORT
Effective Date
DEP Application No.

# Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

# GROUND WATER MONITORING REPORT

## Rule 62-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name Hardee County Solid Waste Disposal Facility

Address P.O. Box 246

City Wauchula, FL Zip 33873

Telephone Number ( 941 ) 773-5089

(2) The GMS Identification Number 4025C30001

(3) DEP Permit Number SO25-214306

(4) Authorized Representative Name Bruce Cummings

Address 10405 US 27 South

City Sebring, FL Zip 33870

Telephone Number ( 941 ) 655-4022

(5) Type of Discharge

(6) Method of Discharge

### Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: 01/21/99 for Hardee County BOCC

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # 880516

Analytical Lab Comp QAP #/HRS Certification # 880516, E85458

*Comp QAP #/HRS Certification # E84098

Lab Name Short Environmental Laboratories, Inc.

Address 10405 US 27 South, Sebring, FL 33870

Phone Number ( 941 ) 655-4022

**HARDEE COUNTY SANITARY LANDFILL**

**GROUNDWATER ELEVATIONS**

DATE: 12-08-98

RECORDED BY: J. FINN, R. GREENE

| 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 | 5.70 | 82.27 |
| MW-2 | 85.86 | 83.68 | 2.18 | 7.20 | 78.66 |
| MW-3 | 87.75 | 86.07 | 1.68 | 7.30 | 80.45 |
| MW-4 | 87.16 | 84.44 | 2.72 | 7.00 | 80.16 |
| MW-5 | 88.76 | 85.76 | 3.00 | 8.75 | 80.01 |
| MW-6 | 87.94 | 84.68 | 3.26 | 9.20 | 78.74 |
| MW-7 | 87.51 | 84.55 | 2.96 | 9.40 | 78.11 |
| ******** | ********* | ********* | ********* | ********* | ********** |
| P-1 | 91.27 | 88.97 | 2.30 | 10.50 | 80.77 |
| P-2 | 90.66 | 87.66 | 3.00 | 10.80 | 79.86 |
| P-3 | 89.05 | 86.60 | 2.45 | 9.00 | 80.05 |
| P-4 | 88.34 | 85.34 | 3.00 | 8.40 | 79.94 |
| P-5 | 89.25 | 86.42 | 2.83 | 8.45 | 80.80 |
| P-6 | 85.94 | 83.44 | 2.50 | 6.25 | 79.69 |
| P-7 | 84.04 | 81.84 | 2.20 | 8.60 | 75.44 |
| P-8 | 84.74 | 82.67 | 2.08 | 8.70 | 76.04 |
| P-9 | 87.06 | 84.81 | 2.25 | 8.80 | 78.26 |
| P-10 | 88.56 | 86.40 | 2.16 | 9.20 | 79.36 |
| P-11 | 87.16 | 85.08 | 2.08 | 7.90 | 79.26 |
| P-12 | 88.71 | 85.71 | 3.00 | 9.30 | 79.41 |
| P-13 | 87.60 | 84.60 | 3.00 | 9.30 | 78.30 |
| P-14 | 86.75 | 83.75 | 3.00 | 9.40 | 77.35 |

WATER ELEVATION IN THE DEWATERING DITCH: _____

SHORT ENVIRONMENTAL LABORATORIES, INC.
10405 US 27 South
Sebring, Florida 33870
1-800-833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (941) 655-4022

01-21-99

For: Attn: J.R. Prestridge
Hardee County Solid Waste Department
685 Airport Road
Wauchula, FL 33873

Laboratory Number: 12/08k-n

Sample type: Air
Project: Hardee County
Location: Landfill
Sampled by: R. Greene on 12-08-98, pm
Received: Field measurement, no sample received

REPORT OF ANALYSIS

| FIELD ID # | Sample ID | Methane | | Units | Method |
|---|---|---|---|---|---|
| 12/08k | Shop | < | 1. | mg/L | Trace-Techto |
| 12/08l | Tool Room | < | 1. | mg/L | Trace-Techto |
| 12/08m | Main Office | < | 1. | mg/L | Trace-Techto |
| 12/08n | Recycling Office | < | 1. | mg/L | Trace-Techto |

Respectfully Submitted,

Bruce Cummings
Laboratory Director

**SHORT ENVIRONMENTAL LABORATORIES, INC.**
10405 US 27 South
Sebring, Florida 33870
(800) 833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (941) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge

01/21/1999


Laboratory Number: 95520

Project: Hardee Co
Location: Landfill
Sample ID: Blank
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1010
Received: 12/08/1998 @ 1540

REPORT OF ANALYSIS

FIELD DATA

| | | |
|---|---|---|
| Temperature | 20.2 | deg. C |
| pH | 5.60 | S.U. |
| Conductivity | < 1. | umho/cm |

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 10.u | mg/L | EPA 160.1 | W. Smith | 12/14/1998 @ 1051 | 10. |
| Chloride | 0.5u | mg/L | EPA 325.3 | W. Smith | 12/28/1998 @ 0900 | 0.5 |
| Ammonia Nitrogen (NH3-N) | 0.04u | mg/L | EPA 350.1 | J. Gwaltney | 12/14/1998 @ 0954 | 0.04 |
| Nitrite Nitrogen (NO2-N) | 0.01u | mg/L | EPA 354.1 | J. Gwaltney | 12/09/1998 @ 0900 | 0.01 |
| Nitrate Nitrogen (NO3-N) | 0.02u | mg/L | Calc. | A. Mitchell | 01/09/1999 @ 0736 | 0.02 |
| Nitrate + Nitrite N (NO2+NO3) | 0.02u | mg/L | EPA 353.2 | J. Gwaltney | 12/30/1998 @ 0900 | 0.02 |
| Antimony | 0.003u | mg/L | EPA 204.2 | D. Murto | 12/22/1998 @ 1237 | 0.003 |
| Arsenic | 0.005u | mg/L | EPA 206.3 | D. Morton | 12/16/1998 @ 0939 | 0.005 |
| Barium | 0.02u | mg/L | EPA 208.1 | D. Murto | 12/22/1998 @ 1230 | 0.02 |
| Beryllium | 0.001u | mg/L | EPA 210.2 | D. Murto | 12/18/1998 @ 1643 | 0.001 |
| Cadmium | 0.002u | mg/L | EPA 213.1 | D. Murto | 12/29/1998 @ 1025 | 0.002 |
| Chromium | 0.02u | mg/L | EPA 218.1 | D. Murto | 12/18/1998 @ 1450 | 0.02 |
| Copper | 0.01u | mg/L | EPA 220.1 | D. Murto | 12/28/1998 @ 1559 | 0.01 |
| Iron | 0.02u | mg/L | EPA 236.1 | D. Murto | 12/17/1998 @ 1913 | 0.02 |

u = Parameter was analyzed for but not detected

Respectfully Submitted,

Bruce Cummings
Laboratory Director

**SHORT ENVIRONMENTAL LABORATORIES, INC.**
10405 US 27 South
Sebring, Florida 33870
(800) 833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (941) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge



Laboratory Number: 95520

Project: Hardee Co.
Location: Landfill
Sample ID: Blank
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1010
Received: 12/08/1998 @ 1540

REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Lead | 0.001u | mg/L | EPA 239.2 | D. Murto | 12/22/1998 @ 1000 | 0.001 |
| Mercury | 0.001u | mg/L | EPA 245.2 | D. Morton | 12/21/1998 @ 1153 | 0.001 |
| Nickel | 0.01u | mg/L | EPA 249.1 | D. Murto | 12/30/1998 @ 1517 | 0.01 |
| Selenium | 0.005u | mg/L | EPA 270.2 | D. Murto | 12/20/1998 @ 1154 | 0.005 |
| Silver | 0.001u | mg/L | EPA 272.2 | D. Murto | 12/31/1998 @ 1154 | 0.001 |
| Sodium | 1.0u | mg/L | EPA 273.1 | D. Morton | 12/09/1998 @ 1108 | 1.0 |
| Thallium | 0.002u | mg/L | EPA 279.2 | D. Murto | 12/19/1998 @ 1832 | 0.002 |
| Zinc | 0.002 | mg/L | EPA 289.1 | D. Murto | 12/29/1998 @ 1021 | 0.002 |

u = Parameter was analyzed for but not detected

Respectfully Submitted,

Bruce Cummings
Laboratory Director

PART III ANALYTICAL RESULTS

Facility GMS #: 4025C30001

Test Site ID #: 4025A14569

Sampling Date/Time: 12/08/98 @ 1155

Report Period: 07/01/98 to 12/31/98

Well Name: MW-1 Well Purged (Y/N) Yes

Classification of Groundwater G-II

Groundwater Elevation (MSL): 82.27 ft.

Well Type: [ ] Background
[ ] Intermediate
[x] Compliance
[ ] Other

| STORET Code | Parameter Monitored | Sampling Method | Field Filtered Y/N | Analysis Method | Analysis Date/Time | Analysis Results/Units | Detection Limits/Units |
|---|---|---|---|---|---|---|---|
| 000094 | Specific Conductivity (field) | Bailer | No | EPA 120.1 | 12/08/98 @ 1155 | 211. umhos/cm | 1. umhos/cm |
| 004060 | pH (Field) | Bailer | No | EPA 150.1 | 12/08/98 @ 1155 | 5.05 S.U. | NA |
| 000299 | Dissolved Oxygen (field) | Bailer | No | EPA 360.1 | 12/08/98 @ 1155 | 6.8 mg/L | 0.1 mg/L |
| 082078 | Turbidity (field) | Bailer | No | EPA 180.1 | 12/08/98 @ 1155 | 20.2 NTU | 0.1 NTU |
| 000010 | Temperature (field) | Bailer | No | EPA 170.1 | 12/08/98 @ 1155 | 25.0 C | NA |
| 085326 | Colors & Sheens (by observation) | Bailer | No | EPA | 12/08/98 @ 1155 | Color NA | NA |
| 000610 | Total Ammonia - N | Bailer | No | EPA 350.1 | 12/14/98 @ 0954 | 0.21 mg/L | 0.04 mg/L |
| 000940 | Chlorides | Bailer | No | EPA 325.3 | 12/28/98 @ 0900 | 27. mg/L | 0.5 mg/L |
| 001045 | Iron | Bailer | No | EPA 236.1 | 12/17/98 @ 1913 | 53.3 mg/L | 0.02 mg/L |
| 071900 | Mercury | Bailer | No | EPA 245.1 | 12/21/98 @ 1153 | < 0.001 mg/L | 0.001 mg/L |
| 000620 | Nitrate | Bailer | No | EPA 353.2 | 12/30/98 @ 0900 | 0.05 mg/L | 0.02 mg/L |
| 000929 | Sodium | Bailer | No | EPA 273.1 | 12/09/98 @ 1108 | 12. mg/L | 1.0 mg/L |
| 070300 | Total dissolved solids (TDS) | Bailer | No | EPA 160.1 | 12/14/98 @ 1051 | 208. mg/L | 10. mg/L |
| | Appendix I - Inorganic | | | | | | |
| 001097 | Antimony | Bailer | No | EPA 204.2 | 12/22/98 @ 1237 | < 0.003 mg/L | 0.003 mg/L |
| 001002 | Arsenic | Bailer | No | EPA 206.3 | 12/16/98 @ 0939 | 0.007 mg/L | 0.005 mg/L |
| 001007 | Barium | Bailer | No | EPA 208.1 | 12/22/98 @ 1230 | < 0.02 mg/L | 0.02 mg/L |
| 001012 | Beryllium | Bailer | No | EPA 210.2 | 12/18/98 @ 1643 | < 0.001 mg/L | 0.001 mg/L |
| 001027 | Cadmium | Bailer | No | EPA 213.1 | 12/29/98 @ 1025 | < 0.002 mg/L | 0.002 mg/L |
| 001034 | Chromium | Bailer | No | EPA 218.1 | 12/18/98 @ 1450 | < 0.02 mg/L | 0.02 mg/L |
| 001037 | Cobalt | Bailer | No | EPA 6010 | 12/17/98 @ 1540 | < 0.05 mg/L | 0.05 mg/L |
| 001042 | Copper | Bailer | No | EPA 220.1 | 12/28/98 @ 1559 | < 0.01 mg/L | 0.01 mg/L |
| 001051 | Lead | Bailer | No | EPA 239.2 | 12/22/98 @ 1000 | < 0.001 mg/L | 0.001 mg/L |
| 001067 | Nickel | Bailer | No | EPA 249.1 | 12/30/98 @ 1517 | < 0.01 mg/L | 0.01 mg/L |
| 001147 | Selenium | Bailer | No | EPA 270.2 | 12/20/98 @ 1154 | < 0.005 mg/L | 0.005 mg/L |
| 001077 | Silver | Bailer | No | EPA 272.2 | 12/31/98 @ 1154 | < 0.001 mg/L | 0.001 mg/L |
| 001059 | Thallium | Bailer | No | EPA 279.2 | 12/19/98 @ 1832 | < 0.002 mg/L | 0.002 mg/L |
| 001087 | Vanadium | Bailer | No | EPA 6010 | 12/17/98 @ 1641 | < 0.1 mg/L | 0.1 mg/L |
| 001092 | Zinc | Bailer | No | EPA 289.1 | 12/29/98 @ 1021 | 0.007 mg/L | 0.002 mg/L |
| | Appendix I - Organic | | | | | | |
| 081552 | Acetone | Bailer | No | EPA 8260 | 12/17/98 | < 2.5 ug/L | 2.5 ug/L |
| 034215 | Acrylonitrile | Bailer | No | EPA 8260 | 12/17/98 | < 1.5 ug/L | 1.5 ug/L |

PART III ANALYTICAL RESULTS

Facility GMS #: 4025C30001

Sampling Date/Time: 12/08/98 @ 1155

Test Site ID #: 4025A14569

Report Period: 07/01/98 to 12/31/98

Well Name: MW-1 Well Purged (Y/N) Yes

Classification of Groundwater G-II

Well Type: [ ] Background
[ ] Intermediate
[x] Compliance
[ ] Other

Groundwater Elevation (MSL): 82.27 ft.

| STORET Code | Parameter Monitored | Sampling Method | Field Filtered Y/N | Analysis Method | Analysis Date/Time | Analysis Results/Units | Detection Limits/Units |
|---|---|---|---|---|---|---|---|
| 034030 | Benzene | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 073085 | Bromochloromethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.5 ug/L | 0.5 ug/L |
| 032101 | Bromodichloromethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.08 ug/L | 0.08 ug/L |
| 032104 | Bromoform | Bailer | No | EPA 8260 | 12/17/98 | < 0.12 ug/L | 0.12 ug/L |
| 046372 | Carbon disulfide | Bailer | No | EPA 8260 | 12/17/98 | < 5. ug/L | 5. ug/L |
| 032102 | Carbon tetrachloride | Bailer | No | EPA 8260 | 12/17/98 | < 0.21 ug/L | 0.21 ug/L |
| 034301 | Chlorobenzene | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034311 | Chloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.10 ug/L | 0.10 ug/L |
| 032106 | Chloroform | Bailer | No | EPA 8260 | 12/17/98 | < 0.02 ug/L | 0.03 ug/L |
| 032105 | Dibromochloromethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.05 ug/L | 0.05 ug/L |
| 037860 | 1,2-Dibromo-3-chloropropane (DBCP) | Bailer | No | EPA 504 | 12/18/98 | < 0.01 ug/L | 0.01 ug/L |
| 046369 | 1,2-Dibromoethane | Bailer | No | EPA 504 | 12/18/98 | < 0.01 ug/L | 0.01 ug/L |
| 034536 | o-Dichlorobenzene | Bailer | No | EPA 8260 | 12/17/98 | < 0.03 ug/L | 0.03 ug/L |
| 034571 | p-Dichlorobenzene | Bailer | No | EPA 8260 | 12/17/98 | < 0.03 ug/L | 0.03 ug/L |
| 077268 | trans-1,4-Dichloro-2-butene | Bailer | No | EPA 8260 | 12/17/98 | < 10. ug/L | 10. ug/L |
| 034496 | 1,1-Dichloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034531 | 1,2-Dichloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.06 ug/L | 0.06 ug/L |
| 034501 | 1,1-Dichloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.12 ug/L | 0.12 ug/L |
| 077093 | cis-1,2-Dichloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.1 ug/L | 0.1 ug/L |
| 034546 | trans-1,2-Dichloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.06 ug/L | 0.06 ug/L |
| 034541 | 1,2-Dichloropropane | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034704 | cis-1,3-Dichloropropene | Bailer | No | EPA 8260 | 12/17/98 | < 0.05 ug/L | 0.05 ug/L |
| 034699 | trans-1,3-Dichloropropene | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034371 | Ethylbenzene | Bailer | No | EPA 8260 | 12/17/98 | < 0.06 ug/L | 0.06 ug/L |
| 077103 | 2-Hexanone | Bailer | No | EPA 8260 | 12/17/98 | < 5.0 ug/L | 5.0 ug/L |
| 034413 | Methyl bromide | Bailer | No | EPA 8260 | 12/17/98 | < 0.11 ug/L | 0.11 ug/L |
| 034418 | Methyl chloride | Bailer | No | EPA 8260 | 12/17/98 | < 0.13 ug/L | 0.13 ug/L |
| 046361 | Methylene bromide | Bailer | No | EPA 8260 | 12/17/98 | < 0.3 ug/L | 0.3 ug/L |
| 034423 | Methylene chloride | Bailer | No | EPA 8260 | 12/17/98 | < 0.03 ug/L | 0.03 ug/L |
| 081595 | Methyl ethyl ketone | Bailer | No | EPA 8260 | 12/17/98 | < 5.0 ug/L | 5.0 ug/L |
| 077424 | Methyl iodode | Bailer | No | EPA 8260 | 12/17/98 | < 0.5 ug/L | 0.5 ug/L |
| 078133 | 4-Methyl-2-pentanone | Bailer | No | EPA 8260 | 12/17/98 | < 5.0 ug/L | 5.0 ug/L |
| 077128 | Styrene | Bailer | No | EPA 8260 | 12/17/98 | < 1.0 ug/L | 1.0 ug/L |
| 077562 | 1,1,1,2-Tetrachloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.1 ug/L | 0.1 ug/L |
| 034516 | 1,1,2,2-Tetrachloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034475 | Tetrachloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.14 ug/L | 0.14 ug/L |

PART III ANALYTICAL RESULTS

Facility GMS #: 4025C30001

Sampling Date/Time: 12/08/98 @ 1155

Test Site ID #: 4025A14569

Report Period: 07/01/98 to 12/31/98

Well Name: MW-1 Well Purged (Y/N) Yes

Classification of Groundwater G-II

Well Type: [ ] Background
[ ] Intermediate
[x] Compliance
[ ] Other

Groundwater Elevation (MSL): 82.27 ft.

| STORET Code | Parameter Monitored | Sampling Method | Field Filtered Y/N | Analysis Method | Analysis Date/Time | Analysis Results/Units | Detection Limits/Units |
|---|---|---|---|---|---|---|---|
| 034010 | Toluene | Bailer | No | EPA 8260 | 12/17/98 | < 0.11 ug/L | 0.11 ug/L |
| 034506 | 1,1,1-Trichloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.08 ug/L | 0.08 ug/L |
| 034511 | 1,1,2-Trichloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.10 ug/L | 0.10 ug/L |
| 039180 | Trichloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.19 ug/L | 0.19 ug/L |
| 034488 | Trichlorofluoromethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.08 ug/L | 0.08 ug/L |
| 077443 | 1,2,3-Trichloropropane | Bailer | No | EPA 8260 | 12/17/98 | < 0.3 ug/L | 0.3 ug/L |
| 077057 | Vinyl acetate | Bailer | No | EPA 8260 | 12/17/98 | < 10. ug/L | 10. ug/L |
| 039175 | Vinyl chloride | Bailer | No | EPA 8260 | 12/17/98 | < 0.17 ug/L | 0.17 ug/L |
| 034020 | Xylenes | Bailer | No | EPA 8260 | 12/17/98 | < 0.11 ug/L | 0.11 ug/L |

PART III ANALYTICAL RESULTS

Facility GMS #: 4025C30001

Sampling Date/Time: 12/08/98 @ 1045

Test Site ID #: 4025A14570

Report Period: 07/01/98 to 12/31/98

Well Name: MW-2 Well Purged (Y/N) Yes

Classification of Groundwater G-II

Well Type: [ ] Background
[ ] Intermediate
[x] Compliance
[ ] Other

Groundwater Elevation (MSL): 78.66 ft.

| STORET Code | Parameter Monitored | Sampling Method | Field Filtered Y/N | Analysis Method | Analysis Date/Time | Analysis Results/Units | Detection Limits/Units |
|---|---|---|---|---|---|---|---|
| 000094 | Specific Conductivity (field) | Bailer | No | EPA 120.1 | 12/08/98 @ 1045 | 298. umhos/cm | 1. umhos/cm |
| 004060 | pH (Field) | Bailer | No | EPA 150.1 | 12/08/98 @ 1045 | 6.37 S.U. | NA |
| 000299 | Dissolved Oxygen (field) | Bailer | No | EPA 360.1 | 12/08/98 @ 1045 | 3.2 mg/L | 0.1 mg/L |
| 082078 | Turbidity (field) | Bailer | No | EPA 180.1 | 12/08/98 @ 1045 | 6.70 NTU | 0.1 NTU |
| 000010 | Temperature (field) | Bailer | No | EPA 170.1 | 12/08/98 @ 1045 | 25.0 C | NA |
| 085326 | Colors & Sheens (by observation) | Bailer | No | EPA | 12/08/98 @ 1045 | Color NA | NA |
| 000610 | Total Ammonia - N | Bailer | No | EPA 350.1 | 12/14/98 @ 0954 | 0.16 mg/L | 0.04 mg/L |
| 000940 | Chlorides | Bailer | No | EPA 325.3 | 12/28/98 @ 0900 | 7.4 mg/L | 0.5 mg/L |
| 001045 | Iron | Bailer | No | EPA 236.1 | 12/17/98 @ 1913 | 5.79 mg/L | 0.01 mg/L |
| 071900 | Mercury | Bailer | No | EPA 245.1 | 12/21/98 @ 1153 | < 0.001 mg/L | 0.001 mg/L |
| 000620 | Nitrate | Bailer | No | EPA 353.2 | 12/30/98 @ 0900 | < 0.02 mg/L | 0.02 mg/L |
| 000929 | Sodium | Bailer | No | EPA 273.1 | 12/09/98 @ 1108 | 8.5 mg/L | 0.1 mg/L |
| 070300 | Total dissolved solids (TDS) | Bailer | No | EPA 160.1 | 12/14/98 @ 1051 | 172. mg/L | 1. mg/L |
| | Appendix I - Inorganic | | | | | | |
| 001097 | Antimony | Bailer | No | EPA 204.2 | 12/22/98 @ 1237 | < 0.003 mg/L | 0.003 mg/L |
| 001002 | Arsenic | Bailer | No | EPA 206.3 | 12/16/98 @ 0939 | < 0.005 mg/L | 0.005 mg/L |
| 001007 | Barium | Bailer | No | EPA 208.1 | 12/22/98 @ 1230 | < 0.02 mg/L | 0.02 mg/L |
| 001012 | Beryllium | Bailer | No | EPA 210.2 | 12/18/98 @ 1623 | < 0.001 mg/L | 0.001 mg/L |
| 001027 | Cadmium | Bailer | No | EPA 213.1 | 12/29/98 @ 1025 | < 0.002 mg/L | 0.002 mg/L |
| 001034 | Chromium | Bailer | No | EPA 218.1 | 12/18/98 @ 1450 | < 0.02 mg/L | 0.02 mg/L |
| 001037 | Cobalt | Bailer | No | EPA 6010 | 12/17/98 @ 1540 | < 0.05 mg/L | 0.05 mg/L |
| 001042 | Copper | Bailer | No | EPA 220.1 | 12/28/98 @ 1559 | < 0.01 mg/L | 0.01 mg/L |
| 001051 | Lead | Bailer | No | EPA 239.2 | 12/22/98 @ 1000 | < 0.001 mg/L | 0.001 mg/L |
| 001067 | Nickel | Bailer | No | EPA 249.1 | 12/30/98 @ 1517 | < 0.01 mg/L | 0.01 mg/L |
| 001147 | Selenium | Bailer | No | EPA 270.2 | 12/20/98 @ 1154 | < 0.005 mg/L | 0.005 mg/L |
| 001077 | Silver | Bailer | No | EPA 272.2 | 12/31/98 @ 1154 | < 0.001 mg/L | 0.001 mg/L |
| 001059 | Thallium | Bailer | No | EPA 279.2 | 12/19/98 @ 1832 | < 0.002 mg/L | 0.002 mg/L |
| 001087 | Vanadium | Bailer | No | EPA 6010 | 12/17/98 @ 1641 | < 0.1 mg/L | 0.1 mg/L |
| 001092 | Zinc | Bailer | No | EPA 289.1 | 12/29/98 @ 1021 | 0.002 mg/L | 0.002 mg/L |
| | Appendix I - Organic | | | | | | |
| 081552 | Acetone | Bailer | No | EPA 8260 | 12/17/98 | < 2.5 ug/L | 2.5 ug/L |
| 034215 | Acrylonitrile | Bailer | No | EPA 8260 | 12/17/98 | < 1.5 ug/L | 1.5 ug/L |

PART III ANALYTICAL RESULTS

Facility GMS #: 4025C30001

Sampling Date/Time: 12/08/98 @ 1045

Test Site ID #: 4025A14570

Report Period: 07/01/98 to 12/31/98

Well Name: MW-2 Well Purged (Y/N) Yes

Classification of Groundwater G-II

Well Type: [ ] Background
[ ] Intermediate
[x] Compliance
[ ] Other

Groundwater Elevation (MSL): 78.66 ft.

| STORET Code | Parameter Monitored | Sampling Method | Field Filtered Y/N | Analysis Method | Analysis Date/Time | Analysis Results/Units | Detection Limits/Units |
|---|---|---|---|---|---|---|---|
| 034030 | Benzene | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 073085 | Bromochloromethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.5 ug/L | 0.5 ug/L |
| 032101 | Bromodichloromethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.08 ug/L | 0.08 ug/L |
| 032104 | Bromoform | Bailer | No | EPA 8260 | 12/17/98 | < 0.12 ug/L | 0.12 ug/L |
| 046372 | Carbon disulfide | Bailer | No | EPA 8260 | 12/17/98 | < 5. ug/L | 5. ug/L |
| 032102 | Carbon tetrachloride | Bailer | No | EPA 8260 | 12/17/98 | < 0.21 ug/L | 0.21 ug/L |
| 034301 | Chlorobenzene | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034311 | Chloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.10 ug/L | 0.10 ug/L |
| 032106 | Chloroform | Bailer | No | EPA 8260 | 12/17/98 | < 0.02 ug/L | 0.03 ug/L |
| 032105 | Dibromochloromethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.05 ug/L | 0.05 ug/L |
| 037860 | 1,2-Dibromo-3-chloropropane (DBCP) | Bailer | No | EPA 504 | 12/18/98 | < 0.01 ug/L | 0.01 ug/L |
| 046369 | 1,2-Dibromoethane | Bailer | No | EPA 504 | 12/18/98 | < 0.01 ug/L | 0.01 ug/L |
| 034536 | o-Dichlorobenzene | Bailer | No | EPA 8260 | 12/17/98 | < 0.03 ug/L | 0.03 ug/L |
| 034571 | p-Dichlorobenzene | Bailer | No | EPA 8260 | 12/17/98 | < 0.03 ug/L | 0.03 ug/L |
| 077268 | trans-1,4-Dichloro-2-butene | Bailer | No | EPA 8260 | 12/17/98 | < 10. ug/L | 10. ug/L |
| 034496 | 1,1-Dichloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034531 | 1,2-Dichloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.06 ug/L | 0.06 ug/L |
| 034501 | 1,1-Dichloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.12 ug/L | 0.12 ug/L |
| 077093 | cis-1,2-Dichloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.1 ug/L | 0.1 ug/L |
| 034546 | trans-1,2-Dichloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.06 ug/L | 0.06 ug/L |
| 034541 | 1,2-Dichloropropane | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034704 | cis-1,3-Dichloropropene | Bailer | No | EPA 8260 | 12/17/98 | < 0.05 ug/L | 0.05 ug/L |
| 034699 | trans-1,3-Dichloropropene | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034371 | Ethylbenzene | Bailer | No | EPA 8260 | 12/17/98 | < 0.06 ug/L | 0.06 ug/L |
| 077103 | 2-Hexanone | Bailer | No | EPA 8260 | 12/17/98 | < 5.0 ug/L | 5.0 ug/L |
| 034413 | Methyl bromide | Bailer | No | EPA 8260 | 12/17/98 | < 0.11 ug/L | 0.11 ug/L |
| 034418 | Methyl chloride | Bailer | No | EPA 8260 | 12/17/98 | < 0.13 ug/L | 0.13 ug/L |
| 046361 | Methylene bromide | Bailer | No | EPA 8260 | 12/17/98 | < 0.3 ug/L | 0.3 ug/L |
| 034423 | Methylene chloride | Bailer | No | EPA 8260 | 12/17/98 | < 0.03 ug/L | 0.03 ug/L |
| 081595 | Methyl ethyl ketone | Bailer | No | EPA 8260 | 12/17/98 | < 5.0 ug/L | 5.0 ug/L |
| 077424 | Methyl iodode | Bailer | No | EPA 8260 | 12/17/98 | < 0.5 ug/L | 0.5 ug/L |
| 078133 | 4-Methyl-2-pentanone | Bailer | No | EPA 8260 | 12/17/98 | < 5.0 ug/L | 5.0 ug/L |
| 077128 | Styrene | Bailer | No | EPA 8260 | 12/17/98 | < 1.0 ug/L | 1.0 ug/L |
| 077562 | 1,1,1,2-Tetrachloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.1 ug/L | 0.1 ug/L |
| 034516 | 1,1,2,2-Tetrachloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034475 | Tetrachloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.14 ug/L | 0.14 ug/L |

PART III ANALYTICAL RESULTS

Facility GMS #: 4025C30001

Sampling Date/Time: 12/08/98 @ 1045

Test Site ID #: 4025A14570

Report Period: 07/01/98 to 12/31/98

Well Name: MW-2 Well Purged (Y/N) Yes

Classification of Groundwater G-II

Well Type: [ ] Background
[ ] Intermediate
[x] Compliance
[ ] Other

Groundwater Elevation (MSL): 78.66 ft.

| STORET Code | Parameter Monitored | Sampling Method | Field Filtered Y/N | Analysis Method | Analysis Date/Time | Analysis Results/Units | Detection Limits/Units |
|---|---|---|---|---|---|---|---|
| 034010 | Toluene | Bailer | No | EPA 8260 | 12/17/98 | < 0.11 ug/L | 0.11 ug/L |
| 034506 | 1,1,1-Trichloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.08 ug/L | 0.08 ug/L |
| 034511 | 1,1,2-Trichloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.10 ug/L | 0.10 ug/L |
| 039180 | Trichloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.19 ug/L | 0.19 ug/L |
| 034488 | Trichlorofluoromethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.08 ug/L | 0.08 ug/L |
| 077443 | 1,2,3-Trichloropropane | Bailer | No | EPA 8260 | 12/17/98 | < 0.3 ug/L | 0.3 ug/L |
| 077057 | Vinyl acetate | Bailer | No | EPA 8260 | 12/17/98 | < 10. ug/L | 10. ug/L |
| 039175 | Vinyl chloride | Bailer | No | EPA 8260 | 12/17/98 | < 0.17 ug/L | 0.17 ug/L |
| 034020 | Xylenes | Bailer | No | EPA 8260 | 12/17/98 | < 0.11 ug/L | 0.11 ug/L |

PART III ANALYTICAL RESULTS

Facility GMS #: 4025C30001

Sampling Date/Time: 12/08/98 @ 1050

Test Site ID #: 4025A14572

Report Period: 07/01/98 to 12/31/98

Well Name: MW-4 Well Purged (Y/N) Yes

Classification of Groundwater G-II

Well Type: [x] Background
[ ] Intermediate
[ ] Compliance
[ ] Other

Groundwater Elevation (MSL): 80.16 ft.

| STORET Code | Parameter Monitored | Sampling Method | Field Filtered Y/N | Analysis Method | Analysis Date/Time | Analysis Results/Units | Detection Limits/Units |
|---|---|---|---|---|---|---|---|
| 000094 | Specific Conductivity (field) | Bailer | No | EPA 120.1 | 12/08/98 @ 1050 | 185. umhos/cm | 1. umhos/cm |
| 004060 | pH (Field) | Bailer | No | EPA 150.1 | 12/08/98 @ 1050 | 6.09 S.U. | NA |
| 000299 | Dissolved Oxygen (field) | Bailer | No | EPA 360.1 | 12/08/98 @ 1050 | 2.2 mg/L | 0.1 mg/L |
| 082078 | Turbidity (field) | Bailer | No | EPA 180.1 | 12/08/98 @ 1050 | 16.4 NTU | 0.1 NTU |
| 000010 | Temperature (field) | Bailer | No | EPA 170.1 | 12/08/98 @ 1050 | 23.9 C | NA |
| 085326 | Colors & Sheens (by observation) | Bailer | No | EPA | 12/08/98 @ 1050 | Color NA | NA |
| 000610 | Total Ammonia - N | Bailer | No | EPA 350.1 | 12/14/98 @ 0954 | 0.19 mg/L | 0.04 mg/L |
| 000940 | Chlorides | Bailer | No | EPA 325.3 | 12/28/98 @ 0900 | 7.5 mg/L | 0.5 mg/L |
| 001045 | Iron | Bailer | No | EPA 236.1 | 12/17/98 @ 1913 | 9.86 mg/L | 0.01 mg/L |
| 071900 | Mercury | Bailer | No | EPA 245.1 | 12/21/98 @ 1153 | < 0.001 mg/L | 0.001 mg/L |
| 000620 | Nitrate | Bailer | No | EPA 353.2 | 12/30/98 @ 0900 | < 0.02 mg/L | 0.02 mg/L |
| 000929 | Sodium | Bailer | No | EPA 273.1 | 12/09/98 @ 1108 | 4.2 mg/L | 0.1 mg/L |
| 070300 | Total dissolved solids (TDS) | Bailer | No | EPA 160.1 | 12/14/98 @ 1051 | 182. mg/L | 1. mg/L |
| | Appendix I - Inorganic | | | | | | |
| 001097 | Antimony | Bailer | No | EPA 204.2 | 12/22/98 @ 1237 | < 0.003 mg/L | 0.003 mg/L |
| 001002 | Arsenic | Bailer | No | EPA 206.3 | 12/16/98 @ 0939 | 0.012 mg/L | 0.005 mg/L |
| 001007 | Barium | Bailer | No | EPA 208.1 | 12/22/98 @ 1230 | 0.02 mg/L | 0.02 mg/L |
| 001012 | Beryllium | Bailer | No | EPA 210.2 | 12/18/98 @ 1623 | < 0.001 mg/L | 0.001 mg/L |
| 001027 | Cadmium | Bailer | No | EPA 213.1 | 12/29/98 @ 1025 | < 0.002 mg/L | 0.002 mg/L |
| 001034 | Chromium | Bailer | No | EPA 218.1 | 12/18/98 @ 1450 | < 0.02 mg/L | 0.02 mg/L |
| 001037 | Cobalt | Bailer | No | EPA 6010 | 12/17/98 @ 1540 | < 0.05 mg/L | 0.05 mg/L |
| 001042 | Copper | Bailer | No | EPA 220.1 | 12/28/98 @ 1559 | < 0.01 mg/L | 0.01 mg/L |
| 001051 | Lead | Bailer | No | EPA 239.2 | 12/22/98 @ 1000 | < 0.001 mg/L | 0.001 mg/L |
| 001067 | Nickel | Bailer | No | EPA 249.1 | 12/30/98 @ 1517 | < 0.01 mg/L | 0.01 mg/L |
| 001147 | Selenium | Bailer | No | EPA 270.2 | 12/20/98 @ 1154 | < 0.005 mg/L | 0.005 mg/L |
| 001077 | Silver | Bailer | No | EPA 272.2 | 12/31/98 @ 1154 | < 0.001 mg/L | 0.001 mg/L |
| 001059 | Thallium | Bailer | No | EPA 279.2 | 12/19/98 @ 1832 | < 0.002 mg/L | 0.002 mg/L |
| 001087 | Vanadium | Bailer | No | EPA 6010 | 12/17/98 @ 1641 | < 0.1 mg/L | 0.1 mg/L |
| 001092 | Zinc | Bailer | No | EPA 289.1 | 12/29/98 @ 1021 | < 0.002 mg/L | 0.002 mg/L |
| | Appendix I - Organic | | | | | | |
| 081552 | Acetone | Bailer | No | EPA 8260 | 12/17/98 | < 2.5 ug/L | 2.5 ug/L |
| 034215 | Acrylonitrile | Bailer | No | EPA 8260 | 12/17/98 | < 1.5 ug/L | 1.5 ug/L |

PART III ANALYTICAL RESULTS

Facility GMS #: 4025C30001

Sampling Date/Time: 12/08/98 @ 1050

Test Site ID #: 4025A14572

Report Period: 07/01/98 to 12/31/98

Well Name: MW-4 Well Purged (Y/N) Yes

Classification of Groundwater G-II

Well Type: [x] Background
[ ] Intermediate
[ ] Compliance
[ ] Other

Groundwater Elevation (MSL): 80.16 ft.

| STORET Code | Parameter Monitored | Sampling Method | Field Filtered Y/N | Analysis Method | Analysis Date/Time | Analysis Results/Units | Detection Limits/Units |
|---|---|---|---|---|---|---|---|
| 034030 | Benzene | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 073085 | Bromochloromethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.5 ug/L | 0.5 ug/L |
| 032101 | Bromodichloromethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.08 ug/L | 0.08 ug/L |
| 032104 | Bromoform | Bailer | No | EPA 8260 | 12/17/98 | < 0.12 ug/L | 0.12 ug/L |
| 046372 | Carbon disulfide | Bailer | No | EPA 8260 | 12/17/98 | < 5. ug/L | 5. ug/L |
| 032102 | Carbon tetrachloride | Bailer | No | EPA 8260 | 12/17/98 | < 0.21 ug/L | 0.21 ug/L |
| 034301 | Chlorobenzene | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034311 | Chloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.10 ug/L | 0.10 ug/L |
| 032106 | Chloroform | Bailer | No | EPA 8260 | 12/17/98 | < 0.02 ug/L | 0.03 ug/L |
| 032105 | Dibromochloromethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.05 ug/L | 0.05 ug/L |
| 037860 | 1,2-Dibromo-3-chloropropane (DBCP) | Bailer | No | EPA 504 | 12/18/98 | < 0.01 ug/L | 0.01 ug/L |
| 046369 | 1,2-Dibromoethane | Bailer | No | EPA 504 | 12/18/98 | < 0.01 ug/L | 0.01 ug/L |
| 034536 | o-Dichlorobenzene | Bailer | No | EPA 8260 | 12/17/98 | < 0.03 ug/L | 0.03 ug/L |
| 034571 | p-Dichlorobenzene | Bailer | No | EPA 8260 | 12/17/98 | < 0.03 ug/L | 0.03 ug/L |
| 077268 | trans-1,4-Dichloro-2-butene | Bailer | No | EPA 8260 | 12/17/98 | < 10. ug/L | 10. ug/L |
| 034496 | 1,1-Dichloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034531 | 1,2-Dichloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.06 ug/L | 0.06 ug/L |
| 034501 | 1,1-Dichloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.12 ug/L | 0.12 ug/L |
| 077093 | cis-1,2-Dichloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.1 ug/L | 0.1 ug/L |
| 034546 | trans-1,2-Dichloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.06 ug/L | 0.06 ug/L |
| 034541 | 1,2-Dichloropropane | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034704 | cis-1,3-Dichloropropene | Bailer | No | EPA 8260 | 12/17/98 | < 0.05 ug/L | 0.05 ug/L |
| 034699 | trans-1,3-Dichloropropene | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034371 | Ethylbenzene | Bailer | No | EPA 8260 | 12/17/98 | < 0.06 ug/L | 0.06 ug/L |
| 077103 | 2-Hexanone | Bailer | No | EPA 8260 | 12/17/98 | < 5.0 ug/L | 5.0 ug/L |
| 034413 | Methyl bromide | Bailer | No | EPA 8260 | 12/17/98 | < 0.11 ug/L | 0.11 ug/L |
| 034418 | Methyl chloride | Bailer | No | EPA 8260 | 12/17/98 | < 0.13 ug/L | 0.13 ug/L |
| 046361 | Methylene bromide | Bailer | No | EPA 8260 | 12/17/98 | < 0.3 ug/L | 0.3 ug/L |
| 034423 | Methylene chloride | Bailer | No | EPA 8260 | 12/17/98 | < 0.03 ug/L | 0.03 ug/L |
| 081595 | Methyl ethyl ketone | Bailer | No | EPA 8260 | 12/17/98 | < 5.0 ug/L | 5.0 ug/L |
| 077424 | Methyl iodode | Bailer | No | EPA 8260 | 12/17/98 | < 0.5 ug/L | 0.5 ug/L |
| 078133 | 4-Methyl-2-pentanone | Bailer | No | EPA 8260 | 12/17/98 | < 5.0 ug/L | 5.0 ug/L |
| 077128 | Styrene | Bailer | No | EPA 8260 | 12/17/98 | < 1.0 ug/L | 1.0 ug/L |
| 077562 | 1,1,1,2-Tetrachloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.1 ug/L | 0.1 ug/L |
| 034516 | 1,1,2,2-Tetrachloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034475 | Tetrachloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.14 ug/L | 0.14 ug/L |

PART III ANALYTICAL RESULTS

Facility GMS #: 4025C30001

Sampling Date/Time: 12/08/98 @ 1050

Test Site ID #: 4025A14572

Report Period: 07/01/98 to 12/31/98

Well Name: MW-4 Well Purged (Y/N) Yes

Classification of Groundwater G-II

Well Type: [x] Background
[ ] Intermediate
[ ] Compliance
[ ] Other

Groundwater Elevation (MSL): 80.16 ft.

| STORET Code | Parameter Monitored | Sampling Method | Field Filtered Y/N | Analysis Method | Analysis Date/Time | Analysis Results/Units | Detection Limits/Units |
|---|---|---|---|---|---|---|---|
| 034010 | Toluene | Bailer | No | EPA 8260 | 12/17/98 | < 0.11 ug/L | 0.11 ug/L |
| 034506 | 1,1,1-Trichloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.08 ug/L | 0.08 ug/L |
| 034511 | 1,1,2-Trichloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.10 ug/L | 0.10 ug/L |
| 039180 | Trichloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.19 ug/L | 0.19 ug/L |
| 034488 | Trichlorofluoromethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.08 ug/L | 0.08 ug/L |
| 077443 | 1,2,3-Trichloropropane | Bailer | No | EPA 8260 | 12/17/98 | < 0.3 ug/L | 0.3 ug/L |
| 077057 | Vinyl acetate | Bailer | No | EPA 8260 | 12/17/98 | < 10. ug/L | 10. ug/L |
| 039175 | Vinyl chloride | Bailer | No | EPA 8260 | 12/17/98 | < 0.17 ug/L | 0.17 ug/L |
| 034020 | Xylenes | Bailer | No | EPA 8260 | 12/17/98 | < 0.11 ug/L | 0.11 ug/L |

PART III ANALYTICAL RESULTS

Facility GMS #: 4025C30001

Sampling Date/Time: 12/08/98 @ 1135

Test Site ID #: 4025A14573

Report Period: 07/01/98 to 12/31/98

Well Name: MW-5 Well Purged (Y/N) Yes

Classification of Groundwater G-II

Well Type: [ ] Background
[ ] Intermediate
[x] Compliance
[ ] Other

Groundwater Elevation (MSL): 80.01 ft.

| STORET Code | Parameter Monitored | Sampling Method | Field Filtered Y/N | Analysis Method | Analysis Date/Time | Analysis Results/Units | Detection Limits/Units |
|---|---|---|---|---|---|---|---|
| 000094 | Specific Conductivity (field) | Bailer | No | EPA 120.1 | 12/08/98 @ 1135 | 71. umhos/cm | 1. umhos/cm |
| 004060 | pH (Field) | Bailer | No | EPA 150.1 | 12/08/98 @ 1135 | 5.08 S.U. | NA |
| 000299 | Dissolved Oxygen (field) | Bailer | No | EPA 360.1 | 12/08/98 @ 1135 | 1.0 mg/L | 0.1 mg/L |
| 082078 | Turbidity (field) | Bailer | No | EPA 180.1 | 12/08/98 @ 1135 | 1.79 NTU | 0.1 NTU |
| 000010 | Temperature (field) | Bailer | No | EPA 170.1 | 12/08/98 @ 1135 | 25.8 C | NA |
| 085326 | Colors & Sheens (by observation) | Bailer | No | EPA | 12/08/98 @ 1135 | Color NA | NA |
| 000610 | Total Ammonia - N | Bailer | No | EPA 350.1 | 12/14/98 @ 0954 | 0.14 mg/L | 0.04 mg/L |
| 000940 | Chlorides | Bailer | No | EPA 325.3 | 12/28/98 @ 0900 | 6.3 mg/L | 0.5 mg/L |
| 001045 | Iron | Bailer | No | EPA 236.1 | 12/17/98 @ 1913 | 4.10 mg/L | 0.01 mg/L |
| 071900 | Mercury | Bailer | No | EPA 245.1 | 12/21/98 @ 1153 | < 0.001 mg/L | 0.001 mg/L |
| 000620 | Nitrate | Bailer | No | EPA 353.2 | 12/30/98 @ 0900 | < 0.02 mg/L | 0.02 mg/L |
| 000929 | Sodium | Bailer | No | EPA 273.1 | 12/09/98 @ 1108 | 4.7 mg/L | 0.1 mg/L |
| 070300 | Total dissolved solids (TDS) | Bailer | No | EPA 160.1 | 12/14/98 @ 1051 | 62. mg/L | 1. mg/L |
| | Appendix I - Inorganic | | | | | | |
| 001097 | Antimony | Bailer | No | EPA 204.2 | 12/22/98 @ 1237 | < 0.003 mg/L | 0.003 mg/L |
| 001002 | Arsenic | Bailer | No | EPA 206.3 | 12/16/98 @ 0939 | < 0.005 mg/L | 0.005 mg/L |
| 001007 | Barium | Bailer | No | EPA 208.1 | 12/22/98 @ 1230 | < 0.02 mg/L | 0.02 mg/L |
| 001012 | Beryllium | Bailer | No | EPA 210.2 | 12/18/98 @ 1623 | < 0.001 mg/L | 0.001 mg/L |
| 001027 | Cadmium | Bailer | No | EPA 213.1 | 12/29/98 @ 1025 | < 0.002 mg/L | 0.002 mg/L |
| 001034 | Chromium | Bailer | No | EPA 218.1 | 12/18/98 @ 1450 | < 0.02 mg/L | 0.02 mg/L |
| 001037 | Cobalt | Bailer | No | EPA 6010 | 12/17/98 @ 1540 | < 0.05 mg/L | 0.05 mg/L |
| 001042 | Copper | Bailer | No | EPA 220.1 | 12/28/98 @ 1559 | < 0.01 mg/L | 0.01 mg/L |
| 001051 | Lead | Bailer | No | EPA 239.2 | 12/22/98 @ 1000 | < 0.001 mg/L | 0.001 mg/L |
| 001067 | Nickel | Bailer | No | EPA 249.1 | 12/30/98 @ 1517 | < 0.01 mg/L | 0.01 mg/L |
| 001147 | Selenium | Bailer | No | EPA 270.2 | 12/20/98 @ 1154 | < 0.005 mg/L | 0.005 mg/L |
| 001077 | Silver | Bailer | No | EPA 272.2 | 12/31/98 @ 1154 | < 0.001 mg/L | 0.001 mg/L |
| 001059 | Thallium | Bailer | No | EPA 279.2 | 12/19/98 @ 1832 | < 0.002 mg/L | 0.002 mg/L |
| 001087 | Vanadium | Bailer | No | EPA 6010 | 12/17/98 @ 1641 | < 0.1 mg/L | 0.1 mg/L |
| 001092 | Zinc | Bailer | No | EPA 289.1 | 12/29/98 @ 1021 | 0.002 mg/L | 0.002 mg/L |
| | Appendix I - Organic | | | | | | |
| 081552 | Acetone | Bailer | No | EPA 8260 | 12/17/98 | < 2.5 ug/L | 2.5 ug/L |
| 034215 | Acrylonitrile | Bailer | No | EPA 8260 | 12/17/98 | < 1.5 ug/L | 1.5 ug/L |

PART III ANALYTICAL RESULTS

Facility GMS #: 4025C30001

Sampling Date/Time: 12/08/98 @ 1135

Test Site ID #: 4025A14573

Report Period: 07/01/98 to 12/31/98

Well Name: MW-5 Well Purged (Y/N) Yes

Classification of Groundwater G-II

Well Type: [ ] Background
[ ] Intermediate
[x] Compliance
[ ] Other

Groundwater Elevation (MSL): 80.01 ft.

| STORET Code | Parameter Monitored | Sampling Method | Field Filtered Y/N | Analysis Method | Analysis Date/Time | Analysis Results/Units | Detection Limits/Units |
|---|---|---|---|---|---|---|---|
| 034030 | Benzene | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 073085 | Bromochloromethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.5 ug/L | 0.5 ug/L |
| 032101 | Bromodichloromethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.08 ug/L | 0.08 ug/L |
| 032104 | Bromoform | Bailer | No | EPA 8260 | 12/17/98 | < 0.12 ug/L | 0.12 ug/L |
| 046372 | Carbon disulfide | Bailer | No | EPA 8260 | 12/17/98 | < 5. ug/L | 5. ug/L |
| 032102 | Carbon tetrachloride | Bailer | No | EPA 8260 | 12/17/98 | < 0.21 ug/L | 0.21 ug/L |
| 034301 | Chlorobenzene | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034311 | Chloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.10 ug/L | 0.10 ug/L |
| 032106 | Chloroform | Bailer | No | EPA 8260 | 12/17/98 | < 0.02 ug/L | 0.03 ug/L |
| 032105 | Dibromochloromethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.05 ug/L | 0.05 ug/L |
| 037860 | 1,2-Dibromo-3-chloropropane (DBCP) | Bailer | No | EPA 504 | 12/18/98 | < 0.01 ug/L | 0.01 ug/L |
| 046369 | 1,2-Dibromoethane | Bailer | No | EPA 504 | 12/18/98 | < 0.01 ug/L | 0.01 ug/L |
| 034536 | o-Dichlorobenzene | Bailer | No | EPA 8260 | 12/17/98 | < 0.03 ug/L | 0.03 ug/L |
| 034571 | p-Dichlorobenzene | Bailer | No | EPA 8260 | 12/17/98 | < 0.03 ug/L | 0.03 ug/L |
| 077268 | trans-1,4-Dichloro-2-butene | Bailer | No | EPA 8260 | 12/17/98 | < 10. ug/L | 10. ug/L |
| 034496 | 1,1-Dichloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034531 | 1,2-Dichloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.06 ug/L | 0.06 ug/L |
| 034501 | 1,1-Dichloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.12 ug/L | 0.12 ug/L |
| 077093 | cis-1,2-Dichloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.1 ug/L | 0.1 ug/L |
| 034546 | trans-1,2-Dichloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.06 ug/L | 0.06 ug/L |
| 034541 | 1,2-Dichloropropane | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034704 | cis-1,3-Dichloropropene | Bailer | No | EPA 8260 | 12/17/98 | < 0.05 ug/L | 0.05 ug/L |
| 034699 | trans-1,3-Dichloropropene | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034371 | Ethylbenzene | Bailer | No | EPA 8260 | 12/17/98 | < 0.06 ug/L | 0.06 ug/L |
| 077103 | 2-Hexanone | Bailer | No | EPA 8260 | 12/17/98 | < 5.0 ug/L | 5.0 ug/L |
| 034413 | Methyl bromide | Bailer | No | EPA 8260 | 12/17/98 | < 0.11 ug/L | 0.11 ug/L |
| 034418 | Methyl chloride | Bailer | No | EPA 8260 | 12/17/98 | < 0.13 ug/L | 0.13 ug/L |
| 046361 | Methylene bromide | Bailer | No | EPA 8260 | 12/17/98 | < 0.3 ug/L | 0.3 ug/L |
| 034423 | Methylene chloride | Bailer | No | EPA 8260 | 12/17/98 | < 0.03 ug/L | 0.03 ug/L |
| 081595 | Methyl ethyl ketone | Bailer | No | EPA 8260 | 12/17/98 | < 5.0 ug/L | 5.0 ug/L |
| 077424 | Methyl iodode | Bailer | No | EPA 8260 | 12/17/98 | < 0.5 ug/L | 0.5 ug/L |
| 078133 | 4-Methyl-2-pentanone | Bailer | No | EPA 8260 | 12/17/98 | < 5.0 ug/L | 5.0 ug/L |
| 077128 | Styrene | Bailer | No | EPA 8260 | 12/17/98 | < 1.0 ug/L | 1.0 ug/L |
| 077562 | 1,1,1,2-Tetrachloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.1 ug/L | 0.1 ug/L |
| 034516 | 1,1,2,2-Tetrachloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034475 | Tetrachloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.14 ug/L | 0.14 ug/L |

PART III ANALYTICAL RESULTS

Facility GMS #: 4025C30001

Sampling Date/Time: 12/08/98 @ 1135

Test Site ID #: 4025A14573

Report Period: 07/01/98 to 12/31/98

Well Name: MW-5 Well Purged (Y/N) Yes

Classification of Groundwater G-II

Well Type: [ ] Background
[ ] Intermediate
[x] Compliance
[ ] Other

Groundwater Elevation (MSL): 80.01 ft.

| STORET Code | Parameter Monitored | Sampling Method | Field Filtered Y/N | Analysis Method | Analysis Date/Time | Analysis Results/Units | Detection Limits/Units |
|---|---|---|---|---|---|---|---|
| 034010 | Toluene | Bailer | No | EPA 8260 | 12/17/98 | < 0.11 ug/L | 0.11 ug/L |
| 034506 | 1,1,1-Trichloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.08 ug/L | 0.08 ug/L |
| 034511 | 1,1,2-Trichloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.10 ug/L | 0.10 ug/L |
| 039180 | Trichloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.19 ug/L | 0.19 ug/L |
| 034488 | Trichlorofluoromethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.08 ug/L | 0.08 ug/L |
| 077443 | 1,2,3-Trichloropropane | Bailer | No | EPA 8260 | 12/17/98 | < 0.3 ug/L | 0.3 ug/L |
| 077057 | Vinyl acetate | Bailer | No | EPA 8260 | 12/17/98 | < 10. ug/L | 10. ug/L |
| 039175 | Vinyl chloride | Bailer | No | EPA 8260 | 12/17/98 | < 0.17 ug/L | 0.17 ug/L |
| 034020 | Xylenes | Bailer | No | EPA 8260 | 12/17/98 | < 0.11 ug/L | 0.11 ug/L |

PART III ANALYTICAL RESULTS

Facility GMS #: 4025C30001

Sampling Date/Time: 12/08/98 @ 1400

Test Site ID #: 4025A 5351

Report Period: 07/01/98 to 12/31/98

Well Name: Leachate Well Purged (Y/N)

Classification of Groundwater

Well Type: [ ] Background
[ ] Intermediate
[ ] Compliance
[x] Other

Groundwater Elevation (MSL): ft.

| STORET Code | Parameter Monitored | Sampling Method | Field Filtered Y/N | Analysis Method | Analysis Date/Time | Analysis Results/Units | Detection Limits/Units |
|---|---|---|---|---|---|---|---|
| 000094 | Specific Conductivity (field) | Bailer | No | EPA 120.1 | 12/08/98 @ 1400 | 550. umhos/cm | 5. umhos/cm |
| 004060 | pH (Field) | Bailer | No | EPA 150.1 | 12/08/98 @ 1400 | 5.83 S.U. | NA |
| 000299 | Dissolved Oxygen (field) | Bailer | No | EPA 360.1 | 12/08/98 @ 1400 | 2.6 mg/L | 0.1 mg/L |
| 000010 | Temperature (field) | Bailer | No | EPA 170.1 | 12/08/98 @ 1400 | 26.4 C | NA |
| 085326 | Colors & Sheens (by observation) | Bailer | No | EPA | 12/08/98 @ 1400 | Color/Sheen NA | NA |
| 000610 | Total Ammonia - N | Bailer | No | EPA 350.1 | 12/21/98 @ 1035 | 5.59 mg/L | 0.04 mg/L |
| | Bicarbonate | Bailer | No | EPA 310.1 | 12/09/98 @ 0911 | 220. mg/L | 1.0 mg/L |
| 000940 | Chlorides | Bailer | No | EPA 325.3 | 12/28/98 @ 0900 | 34. mg/L | 0.5 mg/L |
| 001045 | Iron | Bailer | No | EPA 236.1 | 12/17/98 @ 1913 | 22.4 mg/L | 0.01 mg/L |
| 071900 | Mercury | Bailer | No | EPA 245.2 | 12/21/98 @ 1153 | < 0.001 mg/L | 0.001 mg/L |
| 000620 | Nitrate | Bailer | No | EPA 353.2 | 12/30/98 @ 0900 | 0.04 mg/L | 0.02 mg/L |
| 000929 | Sodium | Bailer | No | EPA 273.1 | 12/09/98 @ 1108 | 18. mg/L | 0.1 mg/L |
| 070300 | Total dissolved solids (TDS) | Bailer | No | EPA 160.1 | 12/15/98 @ 0915 | 338. mg/L | 1. mg/L |
| | Appendix I - Inorganic | | | | | | |
| 001097 | Antimony | Bailer | No | EPA 204.2 | 12/22/98 @ 1237 | < 0.003 mg/L | 0.003 mg/L |
| 001002 | Arsenic | Bailer | No | EPA 206.3 | 12/16/98 @ 0939 | 0.008 mg/L | 0.005 mg/L |
| 001007 | Barium | Bailer | No | EPA 208.1 | 12/22/98 @ 1230 | 0.04 mg/L | 0.02 mg/L |
| 001012 | Beryllium | Bailer | No | EPA 210.2 | 12/18/98 @ 1643 | < 0.001 mg/L | 0.001 mg/L |
| 001027 | Cadmium | Bailer | No | EPA 213.1 | 12/29/98 @ 1025 | < 0.002 mg/L | 0.002 mg/L |
| 001034 | Chromium | Bailer | No | EPA 218.1 | 12/18/98 @ 1450 | < 0.02 mg/L | 0.02 mg/L |
| 001037 | Cobalt | Bailer | No | EPA 6010 | 12/17/98 @ 1540 | < 0.05 mg/L | 0.05 mg/L |
| 001042 | Copper | Bailer | No | EPA 220.1 | 12/28/98 @ 1559 | < 0.01 mg/L | 0.01 mg/L |
| 001051 | Lead | Bailer | No | EPA 239.2 | 12/22/98 @ 1000 | < 0.001 mg/L | 0.001 mg/L |
| 001067 | Nickel | Bailer | No | EPA 249.1 | 12/30/98 @ 1517 | < 0.01 mg/L | 0.01 mg/L |
| 001147 | Selenium | Bailer | No | EPA 270.2 | 12/20/98 @ 1154 | < 0.005 mg/L | 0.005 mg/L |
| 001077 | Silver | Bailer | No | EPA 272.2 | 12/31/98 @ 1154 | < 0.001 mg/L | 0.001 mg/L |
| 001059 | Thallium | Bailer | No | EPA 279.2 | 12/19/98 @ 1832 | < 0.002 mg/L | 0.002 mg/L |
| 001087 | Vanadium | Bailer | No | EPA 6010 | 12/17/98 @ 1641 | < 0.1 mg/L | 0.1 mg/L |
| 001092 | Zinc | Bailer | No | EPA 289.1 | 12/29/98 @ 1021 | 0.002 mg/L | 0.002 mg/L |
| | Appendix I - Organic | | | | | | |
| 081552 | Acetone | Bailer | No | EPA 8260 | 12/17/98 | < 2.5 ug/L | 2.5 ug/L |
| 034215 | Acrylonitrile | Bailer | No | EPA 8260 | 12/17/98 | < 1.5 ug/L | 1.0 ug/L |

PART III ANALYTICAL RESULTS

Facility GMS #: 4025C30001 Sampling Date/Time: 12/08/98 @ 1400

Test Site ID #: 4025A Report Period: 07/01/98 to 12/31/98

Well Name: Leachate Well Purged (Y/N)

Classification of Groundwater Well Type: [ ] Background
[ ] Intermediate
[ ] Compliance
[x] Other

Groundwater Elevation (MSL): ft.

| STORET Code | Parameter Monitored | Sampling Method | Field Filtered Y/N | Analysis Method | Analysis Date/Time | Analysis Results/Units | Detection Limits/Units |
|---|---|---|---|---|---|---|---|
| 034030 | Benzene | Bailer | No | EPA 8260 | 12/17/98 | 2.93 ug/L | 0.04 ug/L |
| 073085 | Bromochloromethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.5 ug/L | 0.5 ug/L |
| 032101 | Bromodichloromethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.08 ug/L | 0.08 ug/L |
| 032104 | Bromoform | Bailer | No | EPA 8260 | 12/17/98 | < 0.12 ug/L | 0.12 ug/L |
| 046372 | Carbon disulfide | Bailer | No | EPA 8260 | 12/17/98 | < 5.0 ug/L | 5.0 ug/L |
| 032102 | Carbon tetrachloride | Bailer | No | EPA 8260 | 12/17/98 | < 0.21 ug/L | 0.21 ug/L |
| 034301 | Chlorobenzene | Bailer | No | EPA 8260 | 12/17/98 | 5.35 ug/L | 0.04 ug/L |
| 034311 | Chloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.10 ug/L | 0.10 ug/L |
| 032106 | Chloroform | Bailer | No | EPA 8260 | 12/17/98 | < 0.03 ug/L | 0.03 ug/L |
| 032105 | Dibromochloromethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.05 ug/L | 0.05 ug/L |
| 037860 | 1,2-Dibromo-3-chloropropane (DBCP) | Bailer | No | EPA 504 | 12/17/98 | < 0.01 ug/L | 0.01 ug/L |
| 046369 | 1,2-Dibromoethane | Bailer | No | EPA 504 | 12/17/98 | < 0.01 ug/L | 0.01 ug/L |
| 034536 | o-Dichlorobenzene | Bailer | No | EPA 8260 | 12/17/98 | < 0.03 ug/L | 0.03 ug/L |
| 034571 | p-Dichlorobenzene | Bailer | No | EPA 8260 | 12/17/98 | 2.73 ug/L | 0.03 ug/L |
| 077268 | trans-1,4-Dichloro-2-butene | Bailer | No | EPA 8260 | 12/17/98 | < 10. ug/L | 10. ug/L |
| 034496 | 1,1-Dichloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034531 | 1,2-Dichloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.06 ug/L | 0.06 ug/L |
| 034501 | 1,1-Dichloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.12 ug/L | 0.12 ug/L |
| 077093 | cis-1,2-Dichloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.1 ug/L | 0.1 ug/L |
| 034546 | trans-1,2-Dichloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.06 ug/L | 0.06 ug/L |
| 034541 | 1,2-Dichloropropane | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034704 | cis-1,3-Dichloropropene | Bailer | No | EPA 8260 | 12/17/98 | < 0.05 ug/L | 0.05 ug/L |
| 034699 | trans-1,3-Dichloropropene | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034371 | Ethylbenzene | Bailer | No | EPA 8260 | 12/17/98 | < 0.06 ug/L | 0.06 ug/L |
| 077103 | 2-Hexanone | Bailer | No | EPA 8260 | 12/17/98 | < 5.0 ug/L | 5.0 ug/L |
| 034413 | Methyl bromide | Bailer | No | EPA 8260 | 12/17/98 | < 0.11 ug/L | 0.11 ug/L |
| 034418 | Methyl chloride | Bailer | No | EPA 8260 | 12/17/98 | < 0.13 ug/L | 0.13 ug/L |
| 046361 | Methylene bromide | Bailer | No | EPA 8260 | 12/17/98 | < 0.3 ug/L | 0.3 ug/L |
| 034423 | Methylene chloride | Bailer | No | EPA 8260 | 12/17/98 | < 0.03 ug/L | 0.03 ug/L |
| 081595 | Methyl ethyl ketone | Bailer | No | EPA 8260 | 12/17/98 | < 5.0 ug/L | 5.0 ug/L |
| 077424 | Methyl iodode | Bailer | No | EPA 8260 | 12/17/98 | < 0.5 ug/L | 0.5 ug/L |
| 078133 | 4-Methyl-2-pentanone | Bailer | No | EPA 8260 | 12/17/98 | < 5.0 ug/L | 5.0 ug/L |
| 077128 | Styrene | Bailer | No | EPA 8260 | 12/17/98 | < 1.0 ug/L | 1.0 ug/L |
| 077562 | 1,1,1,2-Tetrachloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.1 ug/L | 0.1 ug/L |
| 034516 | 1,1,2,2-Tetrachloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.04 ug/L | 0.04 ug/L |
| 034475 | Tetrachloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.14 ug/L | 0.14 ug/L |

PART III ANALYTICAL RESULTS

Facility GMS #: 4025C30001

Sampling Date/Time: 12/08/98 @ 1400

Test Site ID #: 4025A

Report Period: 07/01/98 to 12/31/98

Well Name: Leachate Well Purged (Y/N)

Classification of Groundwater

Well Type: [ ] Background
[ ] Intermediate
[ ] Compliance
[x] Other

Groundwater Elevation (MSL): ft.

| STORET Code | Parameter Monitored | Sampling Method | Field Filtered Y/N | Analysis Method | Analysis Date/Time | Analysis Results/Units | Detection Limits/Units |
|---|---|---|---|---|---|---|---|
| 034010 | Toluene | Bailer | No | EPA 8260 | 12/17/98 | 0.34 ug/L | 0.11 ug/L |
| 034506 | 1,1,1-Trichloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.08 ug/L | 0.08 ug/L |
| 034511 | 1,1,2-Trichloroethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.10 ug/L | 0.10 ug/L |
| 039180 | Trichloroethylene | Bailer | No | EPA 8260 | 12/17/98 | < 0.19 ug/L | 0.19 ug/L |
| 034488 | Trichlorofluoromethane | Bailer | No | EPA 8260 | 12/17/98 | < 0.08 ug/L | 0.08 ug/L |
| 077443 | 1,2,3-Trichloropropane | Bailer | No | EPA 8260 | 12/17/98 | < 0.3 ug/L | 0.3 ug/L |
| 077057 | Vinyl acetate | Bailer | No | EPA 8260 | 12/17/98 | < 10. ug/L | 10. ug/L |
| 039175 | Vinyl chloride | Bailer | No | EPA 8260 | 12/17/98 | < 0.17 ug/L | 0.17 ug/L |
| 034020 | Xylenes | Bailer | No | EPA 8260 | 12/17/98 | 1.23 ug/L | 0.11 ug/L |

SEDC ENVIRONMENTAL LABORATORIES

10405 U.S. 27 South
Sebring, Fl 33870
(813) 655-4022

CHAIN OF CUSTODY
and
TRANSMITTAL FORM

SAMPLERS NAME (Please Print)

SAMPLERS SIGNATURE:

PROJECT NAME: HARDEE County

PROJECT LOCATION: LAND FILL

| FIELD ID # | SAMPLE ID | DATE & TIME | SAMPLE TYPE | COMP | GRAB | WELL | LABORATORY ID | # OF CONTAINERS | LABORATORY ANALYSES |
|---|---|---|---|---|---|---|---|---|---|
| 12080 | SW-1 | 12/8/98 1425 | SW | | | | NO $H_2O$ | — | |
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COMMENTS: _____

| CONTAINERS RELINQUISHED BY: | DATE & TIME: | RECEIVED BY: | SAMPLES RELINQUISHED BY: | DATE & TIME: | RECEIVED BY: |
|---|---|---|---|---|---|
| SAMPLES RELINQUISHED BY: | DATE & TIME: | RECEIVED BY: | SAMPLES RELINQUISHED BY: | DATE & TIME: | RECEIVED BY: |
| SAMPLES RELINQUISHED BY: | DATE & TIME: | RECEIVED BY: | SAMPLES RELINQUISHED BY: | DATE & TIME: | RECEIVED BY: |

**SHORT ENVIRONMENTAL LABORATORIES, INC.**
10405 US 27 South
Sebring, Florida 33870
(800) 833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (941) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge



Laboratory Number: 95521

Project: Hardee Co
Location: Landfill
Sample ID: MW-1
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1155
Received: 12/08/1998 @ 1540

REPORT OF ANALYSIS

FIELD DATA

| | | |
|---|---|---|
| Temperature | 25.0 | deg. C |
| pH | 5.05 | S.U. |
| Conductivity | 211. | umho/cm |
| Dissolved Oxygen | 6.8 | mg/L |
| Turbidity | 20.2 | NTU |
| Color & Sheen | Color | |
| Depth to Water | 5.70 | ft |
| Water Level | 7.10 | ft. |
| Groundwater Elevation | 82.27 | ft |
| Volume Removed | 13.60 | Gal. |

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 208. | mg/L | EPA 160.1 | W. Smith | 12/14/1998 @ 1051 | 10. |
| Chloride | 27. | mg/L | EPA 325.3 | W. Smith | 12/28/1998 @ 0900 | 0.5 |
| Ammonia Nitrogen (NH3-N) | 0.21 | mg/L | EPA 350.1 | J. Gwaltney | 12/14/1998 @ 0954 | 0.04 |
| Nitrite Nitrogen (NO2-N) | 0.01u | mg/L | EPA 354.1 | J. Gwaltney | 12/09/1998 @ 0900 | 0.01 |
| Nitrate Nitrogen (NO3-N) | 0.05 | mg/L | Calc. | A. Mitchell | 01/09/1999 @ 0736 | 0.02 |
| Nitrate + Nitrite N (NO2+NO3) | 0.05 | mg/L | EPA 353.2 | J. Gwaltney | 12/30/1998 @ 0900 | 0.02 |
| Antimony | 0.003u | mg/L | EPA 204.2 | D. Murto | 12/22/1998 @ 1237 | 0.003 |

u = Parameter was analyzed for but not detected

Respectfully Submitted,

Bruce Cummings
Laboratory Director

**SHORT ENVIRONMENTAL LABORATORIES, INC.**
10405 US 27 South
Sebring, Florida 33870
(800) 833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (941) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge



Laboratory Number: 95521

Project: Hardee Co
Location: Landfill
Sample ID: MW-1
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1155
Received: 12/08/1998 @ 1540

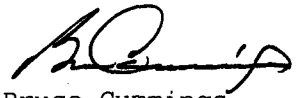
REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Arsenic | 0.007 | mg/L | EPA 206.3 | D. Morton | 12/16/1998 @ 0939 | 0.005 |
| Barium | 0.02u | mg/L | EPA 208.1 | D. Murto | 12/22/1998 @ 1230 | 0.02 |
| Beryllium | 0.001u | mg/L | EPA 210.2 | D. Murto | 12/18/1998 @ 1643 | 0.001 |
| Cadmium | 0.002u | mg/L | EPA 213.1 | D. Murto | 12/29/1998 @ 1025 | 0.002 |
| Chromium | 0.02u | mg/L | EPA 218.1 | D. Murto | 12/18/1998 @ 1450 | 0.02 |
| Cobalt | 0.05u | mg/L | EPA 6010 | E84098 | 12/17/1998 @ 1540 | 0.05 |
| Copper | 0.01u | mg/L | EPA 220.1 | D. Murto | 12/28/1998 @ 1559 | 0.01 |
| Iron | 53.3 | mg/L | EPA 236.1 | D. Murto | 12/17/1998 @ 1913 | 0.02 |
| Lead | 0.001u | mg/L | EPA 239.2 | D. Murto | 12/22/1998 @ 1000 | 0.001 |
| Mercury | 0.001u | mg/L | EPA 245.2 | D. Morton | 12/21/1998 @ 1153 | 0.001 |
| Nickel | 0.01u | mg/L | EPA 249.1 | D. Murto | 12/30/1998 @ 1517 | 0.01 |
| Selenium | 0.005u | mg/L | EPA 270.2 | D. Murto | 12/20/1998 @ 1154 | 0.005 |
| Silver | 0.001u | mg/L | EPA 272.2 | D. Murto | 12/31/1998 @ 1154 | 0.001 |
| Sodium | 12. | mg/L | EPA 273.1 | D. Morton | 12/09/1998 @ 1108 | 1.0 |
| Thallium | 0.002u | mg/L | EPA 279.2 | D. Murto | 12/19/1998 @ 1832 | 0.002 |
| Vanadium | 0.10u | mg/L | EPA 6010 | E84098 | 12/17/1998 @ 1641 | 0.10 |
| Zinc | 0.007 | mg/L | EPA 289.1 | D. Murto | 12/29/1998 @ 1021 | 0.002 |
| Dibromochloropropane | 0.01u | ug/L | EPA 504 | 84183 | 12/18/1998 @ 0000 | 0.01 |
| Ethylene Dibromide | 0.01u | ug/L | EPA 504 | 84183 | 12/18/1998 @ 0000 | 0.01 |

u = Parameter was analyzed for but not detected

Respectfully Submitted,



Bruce Cummings
Laboratory Director

**SHORT ENVIRONMENTAL LABORATORIES, INC.**
10405 US 27 South
Sebring, Florida 33870
(800) 833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (941) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge



Laboratory Number: 95521

Project: Hardee Co
Location: Landfill
Sample ID: MW-1
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1155
Received: 12/08/1998 @ 1540

REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Acetone | 2.5u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 2.5 |
| Acrylonitrile | 1.50u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 1.50 |
| Benzene | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| Bromochloromethane | 0.5u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.5 |
| Bromodichloromethane | 0.08u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.08 |
| Tribromomethane | 0.12u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.12 |
| Carbon Disulfide | 5.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 5.0 |
| Carbon Tetrachloride | 0.21u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.21 |
| Chlorobenzene | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| Chloroethane | 0.10u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.10 |
| Trichloromethane | 0.03u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.03 |
| Dibromochloromethane | 0.05u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.05 |
| 1,2-Dibromo-3-Chloropropane | 0.5u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.5 |
| 1,2-Dibromoethane | 0.5u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.5 |
| 1,2-Dichlorobenzene | 0.03u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.03 |
| 1,4-Dichlorobenzene | 0.03u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.03 |
| t-1,4-Dichloro-2-Butene | 10.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 10.0 |
| 1,1-Dichloroethane | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| 1,2-Dichloroethane | 0.06u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.06 |

u = Parameter was analyzed for but not detected

Respectfully Submitted,

Bruce Cummings
Laboratory Director

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10405 US 27 South
Sebring, Florida 33870
(800) 833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (941) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge



Laboratory Number: 95521

Project: Hardee Co
Location: Landfill
Sample ID: MW-1
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1155
Received: 12/08/1998 @ 1540

REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 0.12u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.12 |
| cis-1,2-Dichloroethene | 0.1u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.1 |
| trans-1,2-Dichloroethene | 0.06u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.06 |
| 1,2-Dichloropropane | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| cis-1,3-Dichloropropene | 0.05u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.05 |
| trans-1,3-Dichloropropene | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| Ethylbenzene | 0.06u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.06 |
| 2-Hexanone | 5.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 5.0 |
| Bromomethane | 0.11u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.11 |
| Chloromethane | 0.13u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.13 |
| Dibromomethane | 0.3u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.3 |
| Dichloromethane | 0.03u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.03 |
| 2-Butanone | 5.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 5.0 |
| Iodomethane | 0.5u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.5 |
| 4-Methyl-2-Pentanone | 5.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 5.0 |
| Styrene | 1.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 1.0 |
| 1,1,1,2-Tetrachloroethane | 0.1u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.1 |
| 1,1,2,2-Tetrachloroethane | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| Tetrachloroethene | 0.14u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.14 |

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Respectfully Submitted,

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For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge



Laboratory Number: 95521

Project: Hardee Co
Location: Landfill
Sample ID: MW-1
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1155
Received: 12/08/1998 @ 1540

REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Toluene | 0.11u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.11 |
| 1,1,1-Tricloroethane | 0.08u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.08 |
| 1,1,2-Trichloroethane | 0.10u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.10 |
| Trichloroethene | 0.19u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.19 |
| Trichlorofluoromethane | 0.08u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.08 |
| 1,2,3-Trichloropropane | 0.3u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.3 |
| Vinyl Acetate | 10.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 10.0 |
| Vinyl Chloride | 0.17u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.17 |
| Xylenes | 0.11u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.11 |

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10405 US 27 South
Sebring, Florida 33870
(800) 833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (941) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge



Laboratory Number: 95522

Project: Hardee Co
Location: Landfill
Sample ID: MW-2
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1045
Received: 12/08/1998 @ 1540

REPORT OF ANALYSIS

FIELD DATA

| | | |
|---|---|---|
| Temperature | 25.0 | deg. C |
| pH | 6.37 | S.U. |
| Conductivity | 298. | umho/cm |
| Dissolved Oxygen | 3.2 | mg/L |
| Turbidity | 6.70 | NTU |
| Color & Sheen | Color | |
| Depth to Water | 7.20 | ft |
| Water Level | 6.05 | ft. |
| Groundwater Elevation | 78.66 | ft |
| Volume Removed | 11.60 | Gal. |

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 172. | mg/L | EPA 160.1 | W. Smith | 12/14/1998 @ 1051 | 10. |
| Chloride | 7.4 | mg/L | EPA 325.3 | W. Smith | 12/28/1998 @ 0900 | 0.5 |
| Ammonia Nitrogen (NH3-N) | 0.16 | mg/L | EPA 350.1 | J. Gwaltney | 12/14/1998 @ 0954 | 0.04 |
| Nitrite Nitrogen (NO2-N) | 0.03 | mg/L | EPA 354.1 | J. Gwaltney | 12/09/1998 @ 0900 | 0.01 |
| Nitrate Nitrogen (NO3-N) | 0.02u | mg/L | Calc. | A. Mitchell | 01/09/1999 @ 0736 | 0.02 |
| Nitrate + Nitrite N (NO2+NO3) | 0.03 | mg/L | EPA 353.2 | J. Gwaltney | 12/30/1998 @ 0900 | 0.02 |
| Antimony | 0.003u | mg/L | EPA 204.2 | D. Murto | 12/22/1998 @ 1237 | 0.003 |

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(800) 833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (941) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge



Laboratory Number: 95522

Project: Hardee Co
Location: Landfill
Sample ID: MW-2
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1045
Received: 12/08/1998 @ 1540

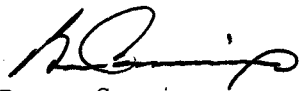
REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Arsenic | 0.005u | mg/L | EPA 206.3 | D. Morton | 12/16/1998 @ 0939 | 0.005 |
| Barium | 0.02u | mg/L | EPA 208.1 | D. Murto | 12/22/1998 @ 1230 | 0.02 |
| Beryllium | 0.001u | mg/L | EPA 210.2 | D. Murto | 12/18/1998 @ 1643 | 0.001 |
| Cadmium | 0.002u | mg/L | EPA 213.1 | D. Murto | 12/29/1998 @ 1025 | 0.002 |
| Chromium | 0.02u | mg/L | EPA 218.1 | D. Murto | 12/18/1998 @ 1450 | 0.02 |
| Cobalt | 0.05u | mg/L | EPA 6010 | E84098 | 12/17/1998 @ 1540 | 0.05 |
| Copper | 0.01u | mg/L | EPA 220.1 | D. Murto | 12/28/1998 @ 1559 | 0.01 |
| Iron | 5.79 | mg/L | EPA 236.1 | D. Murto | 12/17/1998 @ 1913 | 0.02 |
| Lead | 0.001u | mg/L | EPA 239.2 | D. Murto | 12/22/1998 @ 1000 | 0.001 |
| Mercury | 0.001u | mg/L | EPA 245.2 | D. Morton | 12/21/1998 @ 1153 | 0.001 |
| Nickel | 0.01u | mg/L | EPA 249.1 | D. Murto | 12/30/1998 @ 1517 | 0.01 |
| Selenium | 0.005u | mg/L | EPA 270.2 | D. Murto | 12/20/1998 @ 1154 | 0.005 |
| Silver | 0.001u | mg/L | EPA 272.2 | D. Murto | 12/31/1998 @ 1154 | 0.001 |
| Sodium | 8.5 | mg/L | EPA 273.1 | D. Morton | 12/09/1998 @ 1108 | 1.0 |
| Thallium | 0.002u | mg/L | EPA 279.2 | D. Murto | 12/19/1998 @ 1832 | 0.002 |
| Vanadium | 0.10u | mg/L | EPA 6010 | E84098 | 12/17/1998 @ 1641 | 0.10 |
| Zinc | 0.002 | mg/L | EPA 289.1 | D. Murto | 12/29/1998 @ 1021 | 0.002 |
| Dibromochloropropane | 0.01u | ug/L | EPA 504 | 84183 | 12/18/1998 @ 0000 | 0.01 |
| Ethylene Dibromide | 0.01u | ug/L | EPA 504 | 84183 | 12/18/1998 @ 0000 | 0.01 |

u = Parameter was analyzed for but not detected

Respectfully Submitted,



Bruce Cummings
Laboratory Director

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10405 US 27 South
Sebring, Florida 33870
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For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge



Laboratory Number: 95522

Project: Hardee Co
Location: Landfill
Sample ID: MW-2
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1045
Received: 12/08/1998 @ 1540

REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Acetone | 2.5u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 2.5 |
| Acrylonitrile | 1.50u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 1.50 |
| Benzene | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| Bromochloromethane | 0.5u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.5 |
| Bromodichloromethane | 0.08u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.08 |
| Tribromomethane | 0.12u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.12 |
| Carbon Disulfide | 5.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 5.0 |
| Carbon Tetrachloride | 0.21u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.21 |
| Chlorobenzene | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| Chloroethane | 0.10u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.10 |
| Trichloromethane | 0.03u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.03 |
| Dibromochloromethane | 0.05u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.05 |
| 1,2-Dibromo-3-Chloropropane | 0.5u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.5 |
| 1,2-Dibromoethane | 0.5u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.5 |
| 1,2-Dichlorobenzene | 0.03u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.03 |
| 1,4-Dichlorobenzene | 0.03u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.03 |
| t-1,4-Dichloro-2-Butene | 10.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 10.0 |
| 1,1-Dichloroethane | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| 1,2-Dichloroethane | 0.06u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.06 |

u = Parameter was analyzed for but not detected

Respectfully Submitted,

Bruce Cummings
Laboratory Director

**SHORT ENVIRONMENTAL LABORATORIES, INC.**
10405 US 27 South
Sebring, Florida 33870
(800) 833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (941) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge



Laboratory Number: 95522

Project: Hardee Co
Location: Landfill
Sample ID: MW-2
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1045
Received: 12/08/1998 @ 1540

REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 0.12u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.12 |
| cis-1,2-Dichloroethene | 0.1u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.1 |
| trans-1,2-Dichloroethene | 0.06u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.06 |
| 1,2-Dichloropropane | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| cis-1,3-Dichloropropene | 0.05u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.05 |
| trans-1,3-Dichloropropene | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| Ethylbenzene | 0.06u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.06 |
| 2-Hexanone | 5.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 5.0 |
| Bromomethane | 0.11u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.11 |
| Chloromethane | 0.13u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.13 |
| Dibromomethane | 0.3u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.3 |
| Dichloromethane | 0.03u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.03 |
| 2-Butanone | 5.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 5.0 |
| Iodomethane | 0.5u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.5 |
| 4-Methyl-2-Pentanone | 5.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 5.0 |
| Styrene | 1.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 1.0 |
| 1,1,1,2-Tetrachloroethane | 0.1u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.1 |
| 1,1,2,2-Tetrachloroethane | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| Tetrachloroethene | 0.14u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.14 |

u = Parameter was analyzed for but not detected

Respectfully Submitted,

Bruce Cummings
Laboratory Director

**SHORT ENVIRONMENTAL LABORATORIES, INC.**
10405 US 27 South
Sebring, Florida 33870
(800) 833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (941) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge



Laboratory Number: 95522

Project: Hardee Co
Location: Landfill
Sample ID: MW-2
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1045
Received: 12/08/1998 @ 1540

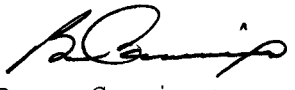
REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Toluene | 0.11u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.11 |
| 1,1,1-Tricloroethane | 0.08u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.08 |
| 1,1,2-Trichloroethane | 0.10u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.10 |
| Trichloroethene | 0.19u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.19 |
| Trichlorofluoromethane | 0.08u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.08 |
| 1,2,3-Trichloropropane | 0.3u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.3 |
| Vinyl Acetate | 10.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 10.0 |
| Vinyl Chloride | 0.17u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.17 |
| Xylenes | 0.11u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.11 |

u = Parameter was analyzed for but not detected

Respectfully Submitted,



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Wauchula, FL 33873-
Attn: J.R. Prestridge



Laboratory Number: 95524

Project: Hardee Co
Location: Landfill
Sample ID: MW-4
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1050
Received: 12/08/1998 @ 1540

REPORT OF ANALYSIS

FIELD DATA

| | | |
|---|---|---|
| Temperature | 23.9 | deg. C |
| pH | 6.09 | S.U. |
| Conductivity | 185. | umho/cm |
| Dissolved Oxygen | 2.2 | mg/L |
| Turbidity | 16.4 | NTU |
| Color & Sheen | Color | |
| Depth to Water | 7.00 | ft |
| Water Level | 15.00 | ft. |
| Groundwater Elevation | 80.16 | ft |
| Volume Removed | 7.35 | Gal. |

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 182. | mg/L | EPA 160.1 | W. Smith | 12/15/1998 @ 0915 | 10. |
| Chloride | 7.5 | mg/L | EPA 325.3 | W. Smith | 12/28/1998 @ 0900 | 0.5 |
| Ammonia Nitrogen (NH3-N) | 0.19 | mg/L | EPA 350.1 | J. Gwaltney | 12/14/1998 @ 0954 | 0.04 |
| Nitrite Nitrogen (NO2-N) | 0.04 | mg/L | EPA 354.1 | J. Gwaltney | 12/09/1998 @ 0900 | 0.01 |
| Nitrate Nitrogen (NO3-N) | 0.02u | mg/L | Calc. | A. Mitchell | 01/09/1999 @ 0736 | 0.02 |
| Nitrate + Nitrite N (NO2+NO3) | 0.04 | mg/L | EPA 353.2 | J. Gwaltney | 12/30/1998 @ 0900 | 0.02 |
| Antimony | 0.003u | mg/L | EPA 204.2 | D. Murto | 12/22/1998 @ 1237 | 0.003 |

u = Parameter was analyzed for but not detected

Respectfully Submitted,

Bruce Cummings
Laboratory Director

**SHORT ENVIRONMENTAL LABORATORIES, INC.**
10405 US 27 South
Sebring, Florida 33870
(800) 833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (941) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge



Laboratory Number: 95524

Project: Hardee Co
Location: Landfill
Sample ID: MW-4
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1050
Received: 12/08/1998 @ 1540

REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Arsenic | 0.012 | mg/L | EPA 206.3 | D. Morton | 12/16/1998 @ 0939 | 0.005 |
| Barium | 0.02 | mg/L | EPA 208.1 | D. Murto | 12/22/1998 @ 1230 | 0.02 |
| Beryllium | 0.001u | mg/L | EPA 210.2 | D. Murto | 12/18/1998 @ 1643 | 0.001 |
| Cadmium | 0.002u | mg/L | EPA 213.1 | D. Murto | 12/29/1998 @ 1025 | 0.002 |
| Chromium | 0.02u | mg/L | EPA 218.1 | D. Murto | 12/18/1998 @ 1450 | 0.02 |
| Cobalt | 0.05u | mg/L | EPA 6010 | E84098 | 12/17/1998 @ 1540 | 0.05 |
| Copper | 0.01u | mg/L | EPA 220.1 | D. Murto | 12/28/1998 @ 1559 | 0.01 |
| Iron | 9.86 | mg/L | EPA 236.1 | D. Murto | 12/17/1998 @ 1913 | 0.02 |
| Lead | 0.001u | mg/L | EPA 239.2 | D. Murto | 12/22/1998 @ 1000 | 0.001 |
| Mercury | 0.001u | mg/L | EPA 245.2 | D. Morton | 12/21/1998 @ 1153 | 0.001 |
| Nickel | 0.01u | mg/L | EPA 249.1 | D. Murto | 12/30/1998 @ 1517 | 0.01 |
| Selenium | 0.005u | mg/L | EPA 270.2 | D. Murto | 12/20/1998 @ 1154 | 0.005 |
| Silver | 0.001u | mg/L | EPA 272.2 | D. Murto | 12/31/1998 @ 1154 | 0.001 |
| Sodium | 4.2 | mg/L | EPA 273.1 | D. Morton | 12/09/1998 @ 1108 | 1.0 |
| Thallium | 0.002u | mg/L | EPA 279.2 | D. Murto | 12/19/1998 @ 1832 | 0.002 |
| Vanadium | 0.10u | mg/L | EPA 6010 | E84098 | 12/17/1998 @ 1641 | 0.10 |
| Zinc | 0.002u | mg/L | EPA 289.1 | D. Murto | 12/29/1998 @ 1021 | 0.002 |
| Dibromochloropropane | 0.01u | ug/L | EPA 504 | 84183 | 12/18/1998 @ 0000 | 0.01 |
| Ethylene Dibromide | 0.01u | ug/L | EPA 504 | 84183 | 12/18/1998 @ 0000 | 0.01 |

u = Parameter was analyzed for but not detected

Respectfully Submitted,

Bruce Cummings
Laboratory Director

**SHORT ENVIRONMENTAL LABORATORIES, INC.**
10405 US 27 South
Sebring, Florida 33870
(800) 833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (941) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge



Laboratory Number: 95524

Project: Hardee Co
Location: Landfill
Sample ID: MW-4
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1050
Received: 12/08/1998 @ 1540

REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Acetone | 2.5u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 2.5 |
| Acrylonitrile | 1.50u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 1.50 |
| Benzene | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| Bromochloromethane | 0.5u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.5 |
| Bromodichloromethane | 0.08u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.08 |
| Tribromomethane | 0.12u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.12 |
| Carbon Disulfide | 5.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 5.0 |
| Carbon Tetrachloride | 0.21u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.21 |
| Chlorobenzene | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| Chloroethane | 0.10u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.10 |
| Trichloromethane | 0.03u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.03 |
| Dibromochloromethane | 0.05u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.05 |
| 1,2-Dibromo-3-Chloropropane | 0.5u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.5 |
| 1,2-Dibromoethane | 0.5u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.5 |
| 1,2-Dichlorobenzene | 0.03u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.03 |
| 1,4-Dichlorobenzene | 0.03u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.03 |
| t-1,4-Dichloro-2-Butene | 10.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 10.0 |
| 1,1-Dichloroethane | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| 1,2-Dichloroethane | 0.06u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.06 |

u = Parameter was analyzed for but not detected

Respectfully Submitted,

Bruce Cummings
Laboratory Director

**SHORT ENVIRONMENTAL LABORATORIES, INC.**
10405 US 27 South
Sebring, Florida 33870
(800) 833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (941) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge



Laboratory Number: 95524

Project: Hardee Co
Location: Landfill
Sample ID: MW-4
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1050
Received: 12/08/1998 @ 1540

REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 0.12u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.12 |
| cis-1,2-Dichloroethene | 0.1u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.1 |
| trans-1,2-Dichloroethene | 0.06u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.06 |
| 1,2-Dichloropropane | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| cis-1,3-Dichloropropene | 0.05u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.05 |
| trans-1,3-Dichloropropene | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| Ethylbenzene | 0.06u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.06 |
| 2-Hexanone | 5.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 5.0 |
| Bromomethane | 0.11u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.11 |
| Chloromethane | 0.13u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.13 |
| Dibromomethane | 0.3u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.3 |
| Dichloromethane | 0.03u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.03 |
| 2-Butanone | 5.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 5.0 |
| Iodomethane | 0.5u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.5 |
| 4-Methyl-2-Pentanone | 5.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 5.0 |
| Styrene | 1.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 1.0 |
| 1,1,1,2-Tetrachloroethane | 0.1u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.1 |
| 1,1,2,2-Tetrachloroethane | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| Tetrachloroethene | 0.14u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.14 |

u = Parameter was analyzed for but not detected

Respectfully Submitted,

Bruce Cummings
Laboratory Director

**SHORT ENVIRONMENTAL LABORATORIES, INC.**
10405 US 27 South
Sebring, Florida 33870
(800) 833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (941) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge



Laboratory Number: 95524

Project: Hardee Co
Location: Landfill
Sample ID: MW-4
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1050
Received: 12/08/1998 @ 1540

REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Toluene | 0.11u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.11 |
| 1,1,1-Tricloroethane | 0.08u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.08 |
| 1,1,2-Trichloroethane | 0.10u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.10 |
| Trichloroethene | 0.19u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.19 |
| Trichlorofluoromethane | 0.08u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.08 |
| 1,2,3-Trichloropropane | 0.3u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.3 |
| Vinyl Acetate | 10.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 10.0 |
| Vinyl Chloride | 0.17u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.17 |
| Xylenes | 0.11u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.11 |

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Respectfully Submitted,

Bruce Cummings
Laboratory Director

**SHORT ENVIRONMENTAL LABORATORIES, INC.**
10405 US 27 South
Sebring, Florida 33870
(800) 833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (941) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge



Laboratory Number: 95525

Project: Hardee Co
Location: Landfill
Sample ID: MW-5
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1135
Received: 12/08/1998 @ 1540

REPORT OF ANALYSIS

FIELD DATA

| | | |
|---|---|---|
| Temperature | 25.8 | deg. C |
| pH | 5.08 | S.U. |
| Conductivity | 71. | umho/cm |
| Dissolved Oxygen | 1.0 | mg/L |
| Turbidity | 1.79 | NTU |
| Color & Sheen | Color | |
| Depth to Water | 8.75 | ft |
| Water Level | 12.25 | ft. |
| Groundwater Elevation | 80.01 | ft |
| Volume Removed | 6.00 | Gal. |

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 62. | mg/L | EPA 160.1 | W. Smith | 12/15/1998 @ 0915 | 10. |
| Chloride | 6.3 | mg/L | EPA 325.3 | W. Smith | 12/28/1998 @ 0900 | 0.5 |
| Ammonia Nitrogen (NH3-N) | 0.14 | mg/L | EPA 350.1 | J. Gwaltney | 12/14/1998 @ 0954 | 0.04 |
| Nitrite Nitrogen (NO2-N) | 0.01u | mg/L | EPA 354.1 | J. Gwaltney | 12/09/1998 @ 0900 | 0.01 |
| Nitrate Nitrogen (NO3-N) | 0.02u | mg/L | Calc. | A. Mitchell | 01/09/1999 @ 0736 | 0.02 |
| Nitrate + Nitrite N (NO2+NO3) | 0.02u | mg/L | EPA 353.2 | J. Gwaltney | 12/30/1998 @ 0900 | 0.02 |
| Antimony | 0.003u | mg/L | EPA 204.2 | D. Murto | 12/22/1998 @ 1237 | 0.003 |

u = Parameter was analyzed for but not detected

Respectfully Submitted,

Bruce Cummings
Laboratory Director

**SHORT ENVIRONMENTAL LABORATORIES, INC.**
10405 US 27 South
Sebring, Florida 33870
(800) 833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (941) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge



Laboratory Number: 95525

Project: Hardee Co
Location: Landfill
Sample ID: MW-5
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1135
Received: 12/08/1998 @ 1540

REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Arsenic | 0.005u | mg/L | EPA 206.3 | D. Morton | 12/16/1998 @ 0939 | 0.005 |
| Barium | 0.02u | mg/L | EPA 208.1 | D. Murto | 12/22/1998 @ 1230 | 0.02 |
| Beryllium | 0.001u | mg/L | EPA 210.2 | D. Murto | 12/18/1998 @ 1643 | 0.001 |
| Cadmium | 0.002u | mg/L | EPA 213.1 | D. Murto | 12/29/1998 @ 1025 | 0.002 |
| Chromium | 0.02u | mg/L | EPA 218.1 | D. Murto | 12/18/1998 @ 1450 | 0.02 |
| Cobalt | 0.05u | mg/L | EPA 6010 | E84098 | 12/17/1998 @ 1540 | 0.05 |
| Copper | 0.01u | mg/L | EPA 220.1 | D. Murto | 12/28/1998 @ 1559 | 0.01 |
| Iron | 4.10 | mg/L | EPA 236.1 | D. Murto | 12/17/1998 @ 1913 | 0.02 |
| Lead | 0.001u | mg/L | EPA 239.2 | D. Murto | 12/22/1998 @ 1000 | 0.001 |
| Mercury | 0.001u | mg/L | EPA 245.2 | D. Morton | 12/21/1998 @ 1153 | 0.001 |
| Nickel | 0.01u | mg/L | EPA 249.1 | D. Murto | 12/30/1998 @ 1517 | 0.01 |
| Selenium | 0.005u | mg/L | EPA 270.2 | D. Murto | 12/20/1998 @ 1154 | 0.005 |
| Silver | 0.001u | mg/L | EPA 272.2 | D. Murto | 12/31/1998 @ 1154 | 0.001 |
| Sodium | 4.7 | mg/L | EPA 273.1 | D. Morton | 12/09/1998 @ 1108 | 1.0 |
| Thallium | 0.002u | mg/L | EPA 279.2 | D. Murto | 12/19/1998 @ 1832 | 0.002 |
| Vanadium | 0.10u | mg/L | EPA 6010 | E84098 | 12/17/1998 @ 1641 | 0.10 |
| Zinc | 0.002 | mg/L | EPA 289.1 | D. Murto | 12/29/1998 @ 1021 | 0.002 |
| Dibromochloropropane | 0.01u | ug/L | EPA 504 | 84183 | 12/18/1998 @ 0000 | 0.01 |
| Ethylene Dibromide | 0.01u | ug/L | EPA 504 | 84183 | 12/18/1998 @ 0000 | 0.01 |

u = Parameter was analyzed for but not detected

Respectfully Submitted,

Bruce Cummings
Laboratory Director

**SHORT ENVIRONMENTAL LABORATORIES, INC.**
10405 US 27 South
Sebring, Florida 33870
(800) 833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (941) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge



Laboratory Number: 95525

Project: Hardee Co
Location: Landfill
Sample ID: MW-5
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1135
Received: 12/08/1998 @ 1540

REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Acetone | 2.5u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 2.5 |
| Acrylonitrile | 1.50u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 1.50 |
| Benzene | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| Bromochloromethane | 0.5u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.5 |
| Bromodichloromethane | 0.08u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.08 |
| Tribromomethane | 0.12u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.12 |
| Carbon Disulfide | 5.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 5.0 |
| Carbon Tetrachloride | 0.21u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.21 |
| Chlorobenzene | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| Chloroethane | 0.10u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.10 |
| Trichloromethane | 0.03u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.03 |
| Dibromochloromethane | 0.05u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.05 |
| 1,2-Dibromo-3-Chloropropane | 0.5u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.5 |
| 1,2-Dibromoethane | 0.5u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.5 |
| 1,2-Dichlorobenzene | 0.03u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.03 |
| 1,4-Dichlorobenzene | 0.03u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.03 |
| t-1,4-Dichloro-2-Butene | 10.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 10.0 |
| 1,1-Dichloroethane | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| 1,2-Dichloroethane | 0.06u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.06 |

u = Parameter was analyzed for but not detected

Respectfully Submitted,

Bruce Cummings
Laboratory Director

**SHORT ENVIRONMENTAL LABORATORIES, INC.**
10405 US 27 South
Sebring, Florida 33870
(800) 833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (941) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge



Laboratory Number: 95525

Project: Hardee Co
Location: Landfill
Sample ID: MW-5
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1135
Received: 12/08/1998 @ 1540

REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 0.12u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.12 |
| cis-1,2-Dichloroethene | 0.1u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.1 |
| trans-1,2-Dichloroethene | 0.06u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.06 |
| 1,2-Dichloropropane | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| cis-1,3-Dichloropropene | 0.05u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.05 |
| trans-1,3-Dichloropropene | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| Ethylbenzene | 0.06u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.06 |
| 2-Hexanone | 5.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 5.0 |
| Bromomethane | 0.11u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.11 |
| Chloromethane | 0.13u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.13 |
| Dibromomethane | 0.3u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.3 |
| Dichloromethane | 0.03u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.03 |
| 2-Butanone | 5.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 5.0 |
| Iodomethane | 0.5u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.5 |
| 4-Methyl-2-Pentanone | 5.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 5.0 |
| Styrene | 1.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 1.0 |
| 1,1,1,2-Tetrachloroethane | 0.1u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.1 |
| 1,1,2,2-Tetrachloroethane | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| Tetrachloroethene | 0.14u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.14 |

u = Parameter was analyzed for but not detected

Respectfully Submitted,

Bruce Cummings
Laboratory Director

**SHORT ENVIRONMENTAL LABORATORIES, INC.**
10405 US 27 South
Sebring, Florida 33870
(800) 833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (941) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge



Laboratory Number: 95525

Project: Hardee Co
Location: Landfill
Sample ID: MW-5
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1135
Received: 12/08/1998 @ 1540

REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Toluene | 0.11u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.11 |
| 1,1,1-Tricloroethane | 0.08u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.08 |
| 1,1,2-Trichloroethane | 0.10u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.10 |
| Trichloroethene | 0.19u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.19 |
| Trichlorofluoromethane | 0.08u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.08 |
| 1,2,3-Trichloropropane | 0.3u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.3 |
| Vinyl Acetate | 10.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 10.0 |
| Vinyl Chloride | 0.17u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.17 |
| Xylenes | 0.11u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.11 |

u = Parameter was analyzed for but not detected

Respectfully Submitted,

Bruce Cummings
Laboratory Director

**SHORT ENVIRONMENTAL LABORATORIES, INC.**
10405 US 27 South
Sebring, Florida 33870
(800) 833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (941) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge

01/21/1999


Laboratory Number: 95529

Project: Hardee Co
Location: Landfill
Sample ID: Leachate
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1400
Received: 12/08/1998 @ 1540

REPORT OF ANALYSIS

FIELD DATA

| | | |
|---|---|---|
| Temperature | 26.4 | deg. C |
| pH | 5.83 | S.U. |
| Conductivity | 550. | umho/cm |
| Dissolved Oxygen | 2.6 | mg/L |
| Color & Sheen | Color/Sh | |

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 338. | mg/L | EPA 160.1 | W. Smith | 12/15/1998 @ 0915 | 10. |
| Alkalinity | 220. | mg/L | EPA 310.1 | W. Smith | 12/09/1998 @ 0911 | 0.5 |
| Chloride | 34. | mg/L | EPA 325.3 | W. Smith | 12/28/1998 @ 0900 | 0.5 |
| Cyanide | 0.005u | mg/L | EPA 335.3 | J. Gwaltney | 12/14/1998 @ 0946 | 0.005 |
| Sulfide | 2.49 | mg/L | EPA 376.1 | J. Gwaltney | 12/15/1998 @ 0933 | |
| Ammonia Nitrogen (NH3-N) | 5.59 | mg/L | EPA 350.1 | J. Gwaltney | 12/21/1998 @ 1035 | 0.04 |
| Ammonium Nitrogen (NH4-N) | 5.59 | mg/L | Calc. | A. Mitchell | 01/09/1999 @ 0736 | 0.005 |
| Nitrite Nitrogen (NO2-N) | 0.01u | mg/L | EPA 354.1 | J. Gwaltney | 12/09/1998 @ 0900 | 0.01 |
| Nitrate Nitrogen (NO3-N) | 0.04 | mg/L | Calc. | A. Mitchell | 01/09/1999 @ 0736 | 0.02 |
| Nitrate + Nitrite N (NO2+NO3) | 0.04 | mg/L | EPA 353.2 | J. Gwaltney | 12/30/1998 @ 0900 | 0.02 |
| Antimony | 0.003u | mg/L | EPA 204.2 | D. Murto | 12/22/1998 @ 1237 | 0.003 |
| Arsenic | 0.008 | mg/L | EPA 206.3 | D. Morton | 12/16/1998 @ 0939 | 0.005 |

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LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Barium | 0.04 | mg/L | EPA 208.1 | D. Murto | 12/22/1998 @ 1230 | 0.02 |
| Beryllium | 0.001u | mg/L | EPA 210.2 | D. Murto | 12/18/1998 @ 1643 | 0.001 |
| Cadmium | 0.002u | mg/L | EPA 213.1 | D. Murto | 12/29/1998 @ 1025 | 0.002 |
| Chromium | 0.02u | mg/L | EPA 218.1 | D. Murto | 12/18/1998 @ 1450 | 0.02 |
| Cobalt | 0.05u | mg/L | EPA 6010 | E84098 | 12/17/1998 @ 1540 | 0.05 |
| Copper | 0.01u | mg/L | EPA 220.1 | D. Murto | 12/28/1998 @ 1559 | 0.01 |
| Iron | 22.4 | mg/L | EPA 236.1 | D. Murto | 12/17/1998 @ 1913 | 0.02 |
| Lead | 0.001u | mg/L | EPA 239.2 | D. Murto | 12/22/1998 @ 1000 | 0.001 |
| Mercury | 0.001u | mg/L | EPA 245.2 | D. Morton | 12/21/1998 @ 1153 | 0.001 |
| Nickel | 0.01u | mg/L | EPA 249.1 | D. Murto | 12/30/1998 @ 1517 | 0.01 |
| Selenium | 0.005u | mg/L | EPA 270.2 | D. Murto | 12/20/1998 @ 1154 | 0.005 |
| Silver | 0.001u | mg/L | EPA 272.2 | D. Murto | 12/31/1998 @ 1154 | 0.001 |
| Sodium | 18. | mg/L | EPA 273.1 | D. Morton | 12/09/1998 @ 1108 | 1.0 |
| Thallium | 0.002u | mg/L | EPA 279.2 | D. Murto | 12/19/1998 @ 1832 | 0.002 |
| Tin | 0.10u | mg/L | EPA 6010 | E84098 | 01/15/1999 @ 0940 | 0.10 |
| Vanadium | 0.10u | mg/L | EPA 6010 | E84098 | 12/17/1998 @ 1641 | 0.10 |
| Zinc | 0.002 | mg/L | EPA 289.1 | D. Murto | 12/29/1998 @ 1021 | 0.002 |
| Dibromochloropropane | 0.01u | ug/L | EPA 504 | 84183 | 12/18/1998 @ 0000 | 0.01 |
| Ethylene Dibromide | 0.01u | ug/L | EPA 504 | 84183 | 12/18/1998 @ 0000 | 0.01 |

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685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge

01/21/1999


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REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Aldrin | 0.004u | ug/L | EPA 608 | E84098 | 12/16/1998 @ 0000 | 0.004 |
| Chlordane | 0.02u | ug/L | EPA 608 | E84098 | 12/16/1998 @ 0000 | 0.02 |
| Dieldrin | 0.004u | ug/L | EPA 608 | E84098 | 12/16/1998 @ 0000 | 0.004 |
| Endosulfan I | 0.014u | ug/L | EPA 608 | E84098 | 12/16/1998 @ 0000 | 0.014 |
| Endosulfan II | 0.004u | ug/L | EPA 608 | E84098 | 12/16/1998 @ 0000 | 0.004 |
| Endosulfan sulfate | 0.03u | ug/L | EPA 608 | E84098 | 12/16/1998 @ 0000 | 0.03 |
| Endrin | 0.006u | ug/L | EPA 608 | E84098 | 12/16/1998 @ 0000 | 0.006 |
| Endrin aldehyde | 0.023u | ug/L | EPA 608 | E84098 | 12/16/1998 @ 0000 | 0.023 |
| Heptachlor | 0.003u | ug/L | EPA 608 | E84098 | 12/16/1998 @ 0000 | 0.003 |
| Heptachlor epoxide | 0.010u | ug/L | EPA 608 | E84098 | 12/16/1998 @ 0000 | 0.010 |
| Methoxychlor | 0.050u | ug/L | EPA 608 | E84098 | 12/16/1998 @ 0000 | 0.050 |
| PCBs | 0.50u | ug/L | EPA 608 | E84098 | 12/16/1998 @ 0000 | 0.50 |
| Toxaphene | 0.20u | ug/L | EPA 608 | E84098 | 12/16/1998 @ 0000 | 0.20 |
| A-BHC | 0.003u | ug/L | EPA 608 | E84098 | 12/16/1998 @ 0000 | 0.003 |
| B-BHC | 0.006u | ug/L | EPA 608 | E84098 | 12/16/1998 @ 0000 | 0.006 |
| D-BHC | 0.009u | ug/L | EPA 608 | E84098 | 12/16/1998 @ 0000 | 0.009 |
| G-BHC (Lindane) | 0.004u | ug/L | EPA 608 | E84098 | 12/16/1998 @ 0000 | 0.004 |
| 4,4-DDD | 0.011u | ug/L | EPA 608 | E84098 | 12/16/1998 @ 0000 | 0.011 |
| 4,4-DDE | 0.004u | ug/L | EPA 608 | E84098 | 12/16/1998 @ 0000 | 0.004 |

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685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge



Laboratory Number: 95529

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REPORT OF ANALYSIS

LABORATORY DATA

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|---|---|---|---|---|---|---|
| 4,4-DDT | 0.012u | ug/L | EPA 608 | E84098 | 12/16/1998 @ 0000 | 0.012 |
| Dinoseb | 0.20u | ug/L | EPA 8150 | E84098 | 12/31/1998 @ 0000 | 0.20 |
| 2,4-D | 0.20u | ug/L | EPA 8150 | E84098 | 12/31/1998 @ 0000 | 0.20 |
| Silvex (2,4,5-TP) | 0.10u | ug/L | EPA 8150 | E84098 | 12/31/1998 @ 0000 | 0.10 |
| 2,4,5-T | 0.20u | ug/L | EPA 8150 | E84098 | 12/31/1998 @ 0000 | 0.20 |
| Acetone | 2.5u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 2.5 |
| Acetonitrile | 10.u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 10. |
| Acrolein | 1.70u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 1.70 |
| Acrylonitrile | 1.50u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 1.50 |
| Allyl chloride | 0.50u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.50 |
| Benzene | 2.93 | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| Bromochloromethane | 0.50u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.50 |
| Bromodichloromethane | 0.08u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.08 |
| Bromoform | 0.12u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.12 |
| Carbon disulfide | 5.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 5.0 |
| Carbon tetrachloride | 0.21u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.21 |
| Chlorobenzene | 5.35 | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| Chloroethane | 0.10u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.10 |
| Chloroform | 0.03u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.03 |

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Attn: J.R. Prestridge



Laboratory Number: 95529

Project: Hardee Co
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REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Chloroprene | 0.03u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.03 |
| Dibromochloromethane | 0.05u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.05 |
| 1,2-Dibromo-3-chloropropane | 0.50u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.50 |
| 1,2-Dibromomethane | 0.50u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.50 |
| 1,2-Dichlorobenzene | 0.03u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.03 |
| 1,3-Dichlorobenzene | 0.12u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.12 |
| 1,4-Dichlorobenzene | 2.73 | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.03 |
| trans-1,4-Dichloro-2-butene | 10.u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 10. |
| Dichlorodifluoromethane | 0.10u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.10 |
| 1,1-Dichloroethane | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| 1,2-Dichloroethane | 0.06u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.06 |
| 1,1-Dichloroethene | 0.12u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.12 |
| cis-1,2-Dichloroethene | 0.10u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.10 |
| trans-1,2-Dichloroethene | 0.06u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.06 |
| 1,2-Dichloropropane | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| 1,3-Dichloropropane | 5.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 5.0 |
| 2,2-Dichloropropane | 5.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 5.0 |
| 1,1-Dichloropropene | 5.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 5.0 |
| cis-1,3-Dichloropropene | 0.05u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.05 |

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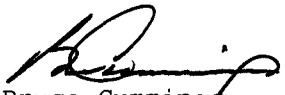
Respectfully Submitted,



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REPORT OF ANALYSIS

LABORATORY DATA

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|---|---|---|---|---|---|---|
| trans-1,3-Dichloropropene | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| Ethylbenzene | 0.11 | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.06 |
| Ethyl methacrylate | 0.50u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.50 |
| 2-Hexanone | 5.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 5.0 |
| Isobutyl alcohol | 10.u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 10. |
| Methacrylonitrile | 10.u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 10. |
| Methyl bromide | 0.11u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.11 |
| Methyl Chloride | 0.13u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.13 |
| Methyl ethyl ketone | 5.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 5.0 |
| Methyl iodide | 0.50u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.50 |
| Methyl methacrylate | 0.50u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.50 |
| 4-Methyl-2-pentanone | 5.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 5.0 |
| Methylene bromide | 0.30u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.30 |
| Methylene chloride | 0.03u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.03 |
| Propionitrile | 10.u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 10. |
| Styrene | 1.0u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 1.0 |
| 1,1,1,2-Tetrachloroethane | 0.10u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.10 |
| 1,1,2,2-Tetrachloroethane | 0.04u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.04 |
| Tetrachloroethene | 0.14u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.14 |

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REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Toluene | 0.34 | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.11 |
| 1,1,1-Trichloroethane | 0.08u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.08 |
| 1,1,2-Trichloroethane | 0.10u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.10 |
| Trichloroethene | 0.19u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.19 |
| Trichlorofluoromethane | 0.08u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.08 |
| 1,2,3-Trichloropropane | 0.30u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.30 |
| Vinyl acetate | 10.u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 10. |
| Vinyl chloride | 0.17u | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.17 |
| Xylene (total) | 1.23 | ug/L | EPA 8260 | E84098 | 12/17/1998 @ 0000 | 0.11 |
| 4-Chloro-3-methylphenol | 3.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 3.0 |
| 2-Chlorophenol | 3.3u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 3.3 |
| m-Cresol | 3.5u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 3.5 |
| o-Cresol | 3.5u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 3.5 |
| p-Cresol | 3.5u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 3.5 |
| 2,4-Dichlorophenol | 2.7u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 2.7 |
| 2,6-Dichlorophenol | 5.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 5.0 |
| 2,4-Dimethylphenol | 2.7u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 2.7 |
| 4,6-Dinitro-o-cresol | 9.5u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 9.5 |
| 2,4-Dinitrophenol | 5.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 5.0 |

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REPORT OF ANALYSIS

LABORATORY DATA

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|---|---|---|---|---|---|---|
| 2-Nitrophenol | 3.6u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 3.6 |
| 4-Nitrophenol | 2.4u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 2.4 |
| Pentachlorophenol | 3.6u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 3.6 |
| Phenol | 1.5u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 1.5 |
| 2,3,4,6-Tetrachlorophenol | 5.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 5.0 |
| 2,4,5-Trichlorophenol | 3.9u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 3.9 |
| 2,4,6-Trichlorophenol | 2.7u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 2.7 |
| Acenapthene | 1.9u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 1.9 |
| Acenapthylene | 2.5u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 2.5 |
| Acetophenone | 5.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 5.0 |
| 2-Acetylaminofluorene | 7.5u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 7.5 |
| 4-Aminobiphenyl | 5.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 5.0 |
| Anthracene | 1.9u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 1.9 |
| Benzo (A) anthracene | 3.1u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 3.1 |
| Benzo (B) fluoranthene | 2.5u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 2.5 |
| Benzo (K) fluoranthene | 2.5u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 2.5 |
| Benzo (GHI) perylene | 4.1u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 4.1 |
| Benzo (A) pyrene | 2.5u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 2.5 |
| Benzyl alcohol | 5.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 5.0 |

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Respectfully Submitted,

Bruce Cummings
Laboratory Director

**SHORT ENVIRONMENTAL LABORATORIES, INC.**
10405 US 27 South
Sebring, Florida 33870
(800) 833-4022 HRS# 85344 & E85458, FDEP QAP# 880516 (941) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge



Laboratory Number: 95529

Project: Hardee Co
Location: Landfill
Sample ID: Leachate
Sampled By: R. Greene/J. Finn on 12/08/1998 @ 1400
Received: 12/08/1998 @ 1540

REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---|---|---|---|---|---|---|
| Bis (2-chloroethoxy) methane | 5.3u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 5.3 |
| Bis (2-chloroethyl) ether | 5.7u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 5.7 |
| Bis (2-chloroisopropyl) ether | 5.7u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 5.7 |
| Bis (2-ethylhexyl) phthalate | 2.5u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 2.5 |
| 4-Bromophenyl phenyl ether | 1.9u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 1.9 |
| Butyl benzyl phthalate | 2.5u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 2.5 |
| p-Chloroaniline | 6.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 6.0 |
| Chlorobenzilate | 10.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 10. |
| 2-Chloronaphthalene | 1.9u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 1.9 |
| 4-Chlorophenyl phenyl ether | 4.2u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 4.2 |
| Chrysene | 2.5u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 2.5 |
| Diallate | 5.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 5.0 |
| Dibenz (A,H) anthracene | 2.5u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 2.5 |
| Dibenzofuran | 5.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 5.0 |
| Di-n-butyl phthalate | 2.5u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 2.5 |
| 3,3-Dichlorobenzidine | 3.2u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 3.2 |
| Diethyl phthalate | 1.9u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 1.9 |
| Thionazin | 10.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 10. |
| Dimethoate | 5.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 5.0 |

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|---|---|---|---|---|---|---|
| p-(Dimethylamino) azobenzene | 6.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 6.0 |
| 7,12-Dimethylbenz(A)anthracene | 5.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 5.0 |
| 3,3-Dimethylbenzidine | 5.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 5.0 |
| Dimethyl phthalate | 1.6u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 1.6 |
| 1,3-Dinitrobenzene | 10.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 10. |
| 2,4-Dinitrotoluene | 5.7u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 5.7 |
| 2,6-Dinitrotoluene | 1.9u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 1.9 |
| Di-n-octyl phthalate | 2.5u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 2.5 |
| Diphenylamine | 5.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 5.0 |
| Disulfoton | 5.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 5.0 |
| Ethyl methanesulfonate | 10.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 10. |
| Famphor | 20.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 20. |
| Fluoranthene | 2.2u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 2.2 |
| Fluorene | 1.9u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 1.9 |
| Hexachlorobenzene | 1.9u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 1.9 |
| Hexachlorobutadiene | 0.9u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 0.9 |
| Hexachlorocyclopentadiene | 5.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 5.0 |
| Hexachloroethane | 1.6u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 1.6 |
| Hexachloropropene | 3.7u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 3.7 |

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REPORT OF ANALYSIS

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|---|---|---|---|---|---|---|
| Indeno (1,2,3-CD) pyrene | 3.7u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 3.7 |
| Isodrin | 6.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 6.0 |
| Isophorone | 2.2u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 2.2 |
| Isosafrole | 5.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 5.0 |
| Kepone | 30.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 30. |
| Methapyrilene | 30.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 30. |
| 3-Methylchloranthrene | 5.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 5.0 |
| Methyl methanesulfonate | 10.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 10. |
| 2-Methylnaphthalene | 2.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 2.0 |
| Methyl parathion | 15.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 15. |
| Naphthalene | 1.6u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 1.6 |
| 1,4-Naphthoquinone | 7.5u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 7.5 |
| 1-Naphthylamine | 10.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 10. |
| 2-Naphthylamine | 10.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 10. |
| 2-Nitroaniline | 20.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 20. |
| 3-Nitroaniline | 20.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 20. |
| 4-Nitroaniline | 20.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 20. |
| Nitrobenzene | 1.9u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 1.9 |
| n-Nitrosodi-n-butylamine | 10.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 10. |

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|---|---|---|---|---|---|---|
| n-Nitrosodiethylamine | 10.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 10. |
| n-Nitrosodimethylamine | 10.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 10. |
| n-Nitrosodiphenylamine | 1.9u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 1.9 |
| n-Nitrosodipropylamine | 10.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 10. |
| n-Nitrosodimethylethylamine | 10.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 10. |
| n-Nitrosopiperidine | 10.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 10. |
| n-Nitrosopyrrolidine | 15.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 15. |
| 5-Nitro-o-toluidine | 10.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 10. |
| Parathion | 15.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 15. |
| Pentachlorobenzene | 5.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 5.0 |
| Pentachloronitrobenzene | 10.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 10. |
| Phenacetin | 10.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 10. |
| Phenanthrene | 5.4u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 5.4 |
| p-Phenylenediamine | 10.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 10. |
| Phorate | 3.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 3.0 |
| Pronamide | 10.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 10. |
| Pyrene | 1.9u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 1.9 |
| Safrole | 7.5u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 7.5 |
| 1,2,4,5-Tetrachlorobenzene | 5.0u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 5.0 |

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|---|---|---|---|---|---|---|
| o-Toluidine | 10.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 10. |
| 1,2,4-Trichlorobenzene | 1.9u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 1.9 |
| o,o,o-Triethylphosphorothioate | 30.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 30. |
| 1,3,5-Nitrobenzene | 10.u | ug/L | EPA 8270 | E84098 | 01/05/1999 @ 0000 | 10. |

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