ENVIRO-PRO
PROFESSIONAL CORPORATION

April 11, 2003

| Perm/Pr/ID # | Date | Doc ID # |
|---|---|---|
| Bc | 4 28 10 | DIN |

APR 2003

Mr. Ron Gilkerson
Griffin Brothers Companies
19109 West Catawba Avenue, Suite 200
Cornelius, North Carolina 28031

RE: First Semi-Annual Groundwater Sampling Report (2003)
North Mecklenburg Landfill – Expansion Area
Huntersville, NC
Project No. EP-1217

Dear Mr. Gilkerson:

In accordance with the Water Quality Monitoring Plan approved by the North Carolina DENR-Solid Waste Section as part of the Site Plan Application Report, Enviro-Pro, P.C. (EP) is pleased to submit this report which describes the first 2003 semi-annual sampling event and summarizes the surface water and groundwater analytical results for the subject site.

Enviro-Pro appreciates the opportunity to continue to provide our environmental services on your project. Please contact me at (704) 583-0075 if you have any questions concerning this Report or when we can be of further service.

Sincerely,
ENVIRO-PRO,P.C.

Thomas H. Bolyard

Thomas H. Bolyard, P.G.
Senior Hydrogeologist

15101 Regena Lane • Charlotte, NC 28278 • (704) 583-0075 • FAX (704) 583-2673

# MONITORING REPORT

North Mecklenburg Landfill – Expansion Area
Holbrooks Road
Huntersville, North Carolina

Prepared for:
Mr. Ron Gilkerson
Griffin Brothers Companies
19109 West Catawba Avenue, Suite 118
Cornelius, North Carolina 28031

Prepared by:
Enviro-Pro, P.C.
15101 Regena Lane
Charlotte, North Carolina

Project Number EP-1217

April 11, 2003

NORTH CAROLINA LICENSED SEAL GEOLOGIST THOMAS H. BOLYARD

15101 Regena Lane • Charlotte, NC 28278 • (704) 583-0075 • FAX (704) 583-2673

**Field Sampling Activities**

On March 26, 2003, Enviro-Pro (EP) personnel collected groundwater samples from on-site perimeter monitor wells MW-13, MW-14, MW-15, and MW-16 and surface water samples SW-1 (upgradient) and SW-2 (downgradient). Upgradient well MW-12 was purged and sampled on April 1, 2003 after the PVC casing was repaired.

The procedures for groundwater measurement and sampling were as follows:

1) Initially, the monitor well caps were removed to allow the groundwater levels to equilibrate to the ambient atmospheric pressure. Next, the depth to groundwater from a measuring point on top of the well casing was recorded. Water level measurements were obtained using an electronic water level meter. The water level probe was decontaminated between monitor wells with deionized water and isopropyl alcohol.

2) At least three well volumes were removed from each monitor well to purge stagnant water and to ensure that fresh formation water would be sampled. Purging was conducted using dedicated disposable bailers. Each well was then sampled utilizing laboratory prepared containers, labeled, and packed on iced in a portable cooler for shipment to Shealy Environmental Services, Inc., a North Carolina-certified laboratory in Cayce, South Carolina. Chain-of-Custody documentation is included with the analytical reports in Appendix A.

3) Quality assurance/quality control (QA/QC) measures in the field included wearing disposable sample gloves during sampling activities and changing them between sample locations to protect the groundwater samples from cross-contamination. Analytical QA/QC included a trip blank and a field (bailer rinse) blank analyzed for volatile organic compounds (VOCs) by Method 8260B. Only clean, laboratory supplied sample containers were utilized.

The field information obtained during well purging is summarized on the Well Development, Purge, and Sample Record included as Appendix B. Groundwater levels increased in the five monitor wells since the previous sampling event on October 31, 2002. Water levels increased 1.6 foot in MW-12, 0.71 foot in MW-13, 4.46 foot in MW-14, 1.73 foot in MW-15, and 1.31 foot in MW-16.

**Laboratory Test Results**

In accordance with regulatory requirements, the five monitor well samples and the two surface water samples were analyzed for the eight RCRA metals and volatile organic compounds (VOCs) via EPA Method 8260B by Shealy Environmental Services. Shealy's Report of Analysis is attached as Appendix A, with a summary of groundwater and surface water analytical results for this sampling event presented in Table 1.

Laboratory test results indicated that no metals or VOC compounds were detected above their respective regulatory limits in any of the monitor well, surface water, or QA/QC samples tested. The barium levels detected in four of the five monitor wells sampled are representative of those naturally occurring in the bedrock, soil, and groundwater in this area. The next sampling event for the North Mecklenburg C&D Landfill-Expansion Area is scheduled for September 2003.

**TABLE 1**
SUMMARY OF GROUNDWATER AND SURFACE WATER RESULTS
North Mecklenburg C&D Landfill - Expansion Area
Holbrooks Road
Huntersville, North Carolina
March 26, 2003

| Parameter | SAMPLE ID | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | MW-12* | MW-13 | MW-14 | MW-15 | MW-16 | SW-1 | SW-2 | FIELD BLANK | TRIP BLANK | NCAC 2L STANDARD |
| Arsenic | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NT | NT | 0.05 |
| Barium | BDL | 0.055 | 0.083 | 0.059 | 0.039 | 0.030 | 0.045 | NT | NT | 2.0 |
| Cadmium | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NT | NT | 0.005 |
| Chromium | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NT | NT | 0.05 |
| Lead | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NT | NT | 0.015 |
| Mercury | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NT | NT | 0.0011 |
| Selenium | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NT | NT | 0.05 |
| Silver | BDL | BDL | BDL | BDL | BDL | BDL | BDL | NT | NT | 0.018 |
| ALL 8260B COMPOUNDS | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | |

**Notes**: BDL = Below detection limit
NT = Not tested
* = Well sampled on April 1, 2003

# Report of Analysis

**Enviro-Pro, P.C.**
15101 Regena Lane
Charlotte, NC 28278
Attention: Tom Bolyard

Project Name: **North Mecklenburg Landfill**

Project Number: **EP-1292**

Lot Number: **EC28035**

Date Completed: **04/05/2003**

**Kelly Maberry**
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

## Case Narrative
## Enviro-Pro, P.C.
### Lot Number: EC28035

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative.

Sample receipt, sample analysis, and data review have been performed in accordance with Shealy's Quality Assurance Management Plan and Standard Operating Procedures. Any data qualifiers associated with sample analysis are footnoted on the analytical results page(s) or are discussed below.

# SHEALY ENVIRONMENTAL SERVICES, INC.

## Sample Summary
## Enviro-Pro, P.C.
### Lot Number: EC28035

| Sample Number | Sample ID | Matrix | Date Sampled |
|---|---|---|---|
| 001 | MW-13 | Aqueous | 03/26/2003 1212 |
| 002 | MW-14 | Aqueous | 03/26/2003 1145 |
| 003 | MW-15 | Aqueous | 03/26/2003 1115 |
| 004 | MW-16 | Aqueous | 03/26/2003 1235 |
| 005 | SW-1 | Aqueous | 03/26/2003 1250 |
| 006 | SW-2 | Aqueous | 03/26/2003 0915 |
| 007 | Trip Blank | Aqueous | 03/26/2003 |
| 008 | Field Blank | Aqueous | 03/26/2003 1245 |

**(8 samples)**

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW-13**
Date Sampled: **03/26/2003 1212**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-001**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 04/04/2003 2318 | RED | | |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 20 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 50 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 5.0 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 5.0 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 5.0 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 10 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 5.0 | ug/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"



Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

# Volatile Organic Compounds by GC/MS (continued)

Client: **Enviro-Pro, P.C.**
Description: **MW-13**
Date Sampled: **03/26/2003 1212**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-001**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 04/04/2003 2318 | RED | | |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 2.0 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 5.0 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 98 | 70-130 |
| Bromofluorobenzene | | 89 | 70-130 |
| Toluene-d8 | | 98 | 70-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# ICP-AES

Client: **Enviro-Pro, P.C.**
Description: **MW-13**
Date Sampled: **03/26/2003 1212**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-001**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3030 C | 6010B | 1 | 04/02/2003 1302 | FTS | 03/28/2003 1935 | 10129 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | ND | | 0.0050 | mg/L | 1 |
| **Barium** | **7440-39-3** | **6010B** | **0.055** | | **0.025** | **mg/L** | **1** |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | ND | | 0.0050 | mg/L | 1 |
| Lead | 7439-92-1 | 6010B | ND | | 0.0030 | mg/L | 1 |
| Selenium | 7782-49-2 | 6010B | ND | | 0.0050 | mg/L | 1 |
| Silver | 7440-22-4 | 6010B | ND | | 0.0050 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"



Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

# CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW-13**
Date Sampled: **03/26/2003 1212**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-001**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 04/03/2003 1449 | MAW | 04/03/2003 1030 | 10172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"



Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW-14**
Date Sampled: **03/26/2003 1145**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-002**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 04/04/2003 2344 | RED | | |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 20 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 50 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 5.0 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 5.0 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 5.0 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 10 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 5.0 | ug/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS (continued)

Client: **Enviro-Pro, P.C.**
Description: **MW-14**
Date Sampled: **03/26/2003 1145**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-002**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 04/04/2003 2344 | RED | | |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 2.0 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 5.0 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 100 | 70-130 |
| Bromofluorobenzene | | 93 | 70-130 |
| Toluene-d8 | | 102 | 70-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"



Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

# ICP-AES

Client: **Enviro-Pro, P.C.**
Description: **MW-14**
Date Sampled: **03/26/2003 1145**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-002**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3030 C | 6010B | 1 | 04/02/2003 1308 | FTS | 03/28/2003 1935 | 10129 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | ND | | 0.0050 | mg/L | 1 |
| **Barium** | **7440-39-3** | **6010B** | **0.083** | | **0.025** | **mg/L** | **1** |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | ND | | 0.0050 | mg/L | 1 |
| Lead | 7439-92-1 | 6010B | ND | | 0.0030 | mg/L | 1 |
| Selenium | 7782-49-2 | 6010B | ND | | 0.0050 | mg/L | 1 |
| Silver | 7440-22-4 | 6010B | ND | | 0.0050 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"



Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

# CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW-14**
Date Sampled: **03/26/2003 1145**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-002**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 04/03/2003 1453 | MAW | 04/03/2003 1030 | 10172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"



Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW-15**
Date Sampled: **03/26/2003 1115**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-003**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 04/05/2003 0010 | RED | | |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 20 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 50 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 5.0 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 5.0 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 5.0 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 10 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 5.0 | ug/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"



Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

# Volatile Organic Compounds by GC/MS (continued)

Client: **Enviro-Pro, P.C.**
Description: **MW-15**
Date Sampled: **03/26/2003 1115**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-003**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 04/05/2003 0010 | RED | | |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 2.0 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 5.0 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 107 | 70-130 |
| Bromofluorobenzene | | 94 | 70-130 |
| Toluene-d8 | | 104 | 70-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# ICP-AES

Client: **Enviro-Pro, P.C.**
Description: **MW-15**
Date Sampled: **03/26/2003 1115**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-003**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3030 C | 6010B | 1 | 04/02/2003 1325 | FTS | 03/28/2003 1935 | 10129 |
| 2 | 3030 C | 6010B | 1 | 04/02/2003 1515 | FTS | 03/28/2003 1935 | 10129 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | ND | | 0.0050 | mg/L | 1 |
| **Barium** | **7440-39-3** | **6010B** | **0.059** | | **0.025** | **mg/L** | **1** |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | ND | | 0.0050 | mg/L | 1 |
| Lead | 7439-92-1 | 6010B | ND | | 0.0030 | mg/L | 2 |
| Selenium | 7782-49-2 | 6010B | ND | | 0.0050 | mg/L | 1 |
| Silver | 7440-22-4 | 6010B | ND | | 0.0050 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW-15**
Date Sampled: **03/26/2003 1115**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-003**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 04/03/2003 1454 | MAW | 04/03/2003 1030 | 10172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"



Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW-16**
Date Sampled: **03/26/2003 1235**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-004**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 04/05/2003 0036 | RED | | |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 20 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 50 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 5.0 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 5.0 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 5.0 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 10 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 5.0 | ug/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"



Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

# Volatile Organic Compounds by GC/MS (continued)

Client: **Enviro-Pro, P.C.**
Description: **MW-16**
Date Sampled: **03/26/2003 1235**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-004**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 04/05/2003 0036 | RED | | |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 2.0 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 5.0 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 103 | 70-130 |
| Bromofluorobenzene | | 92 | 70-130 |
| Toluene-d8 | | 101 | 70-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# ICP-AES

Client: **Enviro-Pro, P.C.**
Description: **MW-16**
Date Sampled: **03/26/2003 1235**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-004**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3030 C | 6010B | 1 | 04/02/2003 1330 | FTS | 03/28/2003 1935 | 10129 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | ND | | 0.0050 | mg/L | 1 |
| **Barium** | **7440-39-3** | **6010B** | **0.039** | | **0.025** | **mg/L** | **1** |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | ND | | 0.0050 | mg/L | 1 |
| Lead | 7439-92-1 | 6010B | ND | | 0.0030 | mg/L | 1 |
| Selenium | 7782-49-2 | 6010B | ND | | 0.0050 | mg/L | 1 |
| Silver | 7440-22-4 | 6010B | ND | | 0.0050 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW-16**
Date Sampled: **03/26/2003 1235**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-004**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 04/03/2003 1455 | MAW | 04/03/2003 1030 | 10172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"



Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **SW-1**
Date Sampled: **03/26/2003 1250**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-005**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 04/05/2003 0103 | RED | | |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 20 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 50 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 5.0 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 5.0 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 5.0 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 10 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 5.0 | ug/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"



Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

# Volatile Organic Compounds by GC/MS (continued)

Client: **Enviro-Pro, P.C.**
Description: **SW-1**
Date Sampled: **03/26/2003 1250**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-005**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 04/05/2003 0103 | RED | | |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 2.0 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 5.0 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 98 | 70-130 |
| Bromofluorobenzene | | 90 | 70-130 |
| Toluene-d8 | | 101 | 70-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# ICP-AES

Client: **Enviro-Pro, P.C.**
Description: **SW-1**
Date Sampled: **03/26/2003 1250**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-005**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3030 C | 6010B | 1 | 04/02/2003 1336 | FTS | 03/28/2003 1935 | 10129 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | ND | | 0.0050 | mg/L | 1 |
| **Barium** | **7440-39-3** | **6010B** | **0.030** | | **0.025** | **mg/L** | **1** |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | ND | | 0.0050 | mg/L | 1 |
| Lead | 7439-92-1 | 6010B | ND | | 0.0030 | mg/L | 1 |
| Selenium | 7782-49-2 | 6010B | ND | | 0.0050 | mg/L | 1 |
| Silver | 7440-22-4 | 6010B | ND | | 0.0050 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"



Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

# CVAA

Client: **Enviro-Pro, P.C.**
Description: **SW-1**
Date Sampled: **03/26/2003 1250**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-005**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 04/03/2003 1456 | MAW | 04/03/2003 1030 | 10172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"



Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **SW-2**
Date Sampled: **03/26/2003 0915**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-006**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 04/05/2003 0129 | RED | | |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 20 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 50 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 5.0 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 5.0 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 5.0 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 10 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 5.0 | ug/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS (continued)

Client: **Enviro-Pro, P.C.**
Description: **SW-2**
Date Sampled: **03/26/2003 0915**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-006**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 04/05/2003 0129 | RED | | |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 2.0 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 5.0 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 100 | 70-130 |
| Bromofluorobenzene | | 92 | 70-130 |
| Toluene-d8 | | 102 | 70-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"



Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

# ICP-AES

Client: **Enviro-Pro, P.C.**
Description: **SW-2**
Date Sampled: **03/26/2003 0915**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-006**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3030 C | 6010B | 1 | 04/02/2003 1342 | FTS | 03/28/2003 1935 | 10129 |
| 2 | 3030 C | 6010B | 1 | 04/02/2003 1521 | FTS | 03/28/2003 1935 | 10129 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | ND | | 0.0050 | mg/L | 2 |
| **Barium** | **7440-39-3** | **6010B** | **0.045** | | **0.025** | **mg/L** | **1** |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | ND | | 0.0050 | mg/L | 1 |
| Lead | 7439-92-1 | 6010B | ND | | 0.0030 | mg/L | 1 |
| Selenium | 7782-49-2 | 6010B | ND | | 0.0050 | mg/L | 1 |
| Silver | 7440-22-4 | 6010B | ND | | 0.0050 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"



Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

# CVAA

Client: **Enviro-Pro, P.C.**
Description: **SW-2**
Date Sampled: **03/26/2003 0915**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-006**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 04/03/2003 1459 | MAW | 04/03/2003 1030 | 10172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"



Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **Trip Blank**
Date Sampled: **03/26/2003**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-007**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 04/05/2003 0155 | RED | | |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 20 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 50 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 5.0 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 5.0 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 5.0 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 10 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 5.0 | ug/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"



Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

# Volatile Organic Compounds by GC/MS (continued)

Client: **Enviro-Pro, P.C.**
Description: **Trip Blank**
Date Sampled: **03/26/2003**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-007**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 04/05/2003 0155 | RED | | |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 2.0 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 5.0 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 104 | 70-130 |
| Bromofluorobenzene | | 92 | 70-130 |
| Toluene-d8 | | 101 | 70-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"



Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **Field Blank**
Date Sampled: **03/26/2003 1245**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-008**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 04/05/2003 0221 | RED | | |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 20 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 50 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 5.0 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 5.0 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 5.0 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 10 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 5.0 | ug/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"



Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

# Volatile Organic Compounds by GC/MS (continued)

Client: **Enviro-Pro, P.C.**
Description: **Field Blank**
Date Sampled: **03/26/2003 1245**
Date Received: **03/28/2003**

Laboratory ID: **EC28035-008**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 04/05/2003 0221 | RED | | |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 2.0 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 5.0 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 103 | 70-130 |
| Bromofluorobenzene | | 94 | 70-130 |
| Toluene-d8 | | 103 | 70-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Report of Analysis

**Enviro-Pro, P.C.**
15101 Regena Lane
Charlotte, NC 28278
Attention: Tom Bolyard

Project Name: **NMLF - Expansion**

Project Number: **EP-1292**

Lot Number: **ED02060**

Date Completed: **04/09/2003**

**Kelly Maberry**
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.



Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

## Case Narrative
## Enviro-Pro, P.C.
### Lot Number: ED02060

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative.

Sample receipt, sample analysis, and data review have been performed in accordance with Shealy's Quality Assurance Management Plan and Standard Operating Procedures. Any data qualifiers associated with sample analysis are footnoted on the analytical results page(s) or are discussed below.

## Sample Summary
## Enviro-Pro, P.C.
**Lot Number: ED02060**

| Sample Number | Sample ID | Matrix | Date Sampled |
|---|---|---|---|
| 001 | MW-12 | Aqueous | 04/01/2003 1036 |

**(1 sample)**

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW-12**
Date Sampled: **04/01/2003 1036**
Date Received: **04/02/2003**

Laboratory ID: **ED02060-001**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 04/04/2003 2357 | RED | | |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 20 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 50 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 5.0 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 5.0 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 5.0 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 10 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 5.0 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 5.0 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 5.0 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 5.0 | ug/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS (continued)

Client: **Enviro-Pro, P.C.**
Description: **MW-12**
Date Sampled: **04/01/2003 1036**
Date Received: **04/02/2003**

Laboratory ID: **ED02060-001**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 04/04/2003 2357 | RED | | |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 2.0 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 5.0 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 102 | 70-130 |
| Bromofluorobenzene | | 96 | 70-130 |
| Toluene-d8 | | 103 | 70-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# ICP-AES

Client: **Enviro-Pro, P.C.**
Description: **MW-12**
Date Sampled: **04/01/2003 1036**
Date Received: **04/02/2003**

Laboratory ID: **ED02060-001**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3030 C | 6010B | 1 | 04/07/2003 1749 | FTS | 04/04/2003 0915 | 10182 |
| 2 | 3030 C | 6010B | 1 | 04/08/2003 1801 | FTS | 04/04/2003 0915 | 10182 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| Arsenic | 7440-38-2 | 6010B | ND | | 0.0050 | mg/L | 1 |
| Barium | 7440-39-3 | 6010B | ND | | 0.025 | mg/L | 1 |
| Cadmium | 7440-43-9 | 6010B | ND | | 0.0020 | mg/L | 1 |
| Chromium | 7440-47-3 | 6010B | ND | | 0.0050 | mg/L | 1 |
| Lead | 7439-92-1 | 6010B | ND | | 0.0030 | mg/L | 1 |
| Selenium | 7782-49-2 | 6010B | ND | | 0.0050 | mg/L | 2 |
| Silver | 7440-22-4 | 6010B | ND | | 0.0050 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW-12**
Date Sampled: **04/01/2003 1036**
Date Received: **04/02/2003**

Laboratory ID: **ED02060-001**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 04/03/2003 1534 | MAW | 04/03/2003 1030 | 10173 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | Units | Run |
|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result less than the PQL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"



Shealy Environmental Services, Inc.
106 Vantage Point Drive Cayce, SC 29033 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

SHEALY **Chain of Custody Record**

**SHEALY ENVIRONMENTAL SERVICES, INC.**
106 Vantage Point Drive
Cayce, South Carolina 29033
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

**Number** 19399

| | | | |
|---|---|---|---|
| Client: Enviro-Pro, P.C. | Report to Contact: Tom Bolyard | Telephone No. / Fax No. / E-mail: 704 583 0075 | Quote No.: 7456 |
| Address: 15101 Regena Lane | Sampler's Signature: X Tommy Bolyard | Waybill No. | Page 1 of 1 |
| City: Charlotte; State: NC; Zip Code: 28278 | Printed Name: Tommy Bolyard | Analysis (Attach list if more space is needed.) | |
| Project Name: N. Meck C&D landfill Expansion | | | |
| Project No.: EP-1292; P.O. No.: | | | Lot No.: EC28035 |

| Sample ID / Description (Containers for each sample may be combined on one line.) | Date | Time | G=Grab C=Composite | Matrix: Aqueous | Solid | Non-Aqueous | Unpres. | H2SO4 | HNO3 | HCl | NaOH | 5035 Kit | 8260B | RCRA metals | Remarks / Cooler I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-13 | 3/26/03 | 12:12 | G | X | | | | | 1 | 3 | | | ✓ | ✓ | |
| MW-14 | " | 11:45 | G | X | | | | | 1 | 3 | | | ✓ | ✓ | |
| MW-15 | " | 11:15 | G | X | | | | | 1 | 3 | | | ✓ | ✓ | |
| MW-16 | " | 12:35 | G | X | | | | | 1 | 3 | | | ✓ | ✓ | |
| SW-1 | " | 12:50 | G | X | | | | | 1 | 3 | | | ✓ | ✓ | |
| SW-2 | " | 9:15 | G | X | | | | | 1 | 3 | | | ✓ | ✓ | |
| Trip Blank | " | | | X | | | | | | 2 | | | ✓ | | |
| Field Blank | " | 12:45 | G | X | | | | | | 2 | | | ✓ | | |

Possible Hazard Identification: ✓ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal: ☐ Return to Client ✓ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ✓ Standard ☐ Rush (Specify) 7-day T-A-T

QC Requirements (Specify):

| | | | | | |
|---|---|---|---|---|---|
| 1. Relinquished by: T. Bolyard | Date: 3/27/03 | Time: 10:00 | 1. Received by: Scott | Date: 3-27-03 | Time: 10:00 |
| 2. Relinquished by: Scott | Date: 3-28-03 | Time: 1330 | 2. Received by: | Date: | Time: |
| 3. Relinquished by: | Date: | Time: | 3. Laboratory received by: Lou Castillo | Date: 3/28/03 | Time: 1330 |

Comments:

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 1.0 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

SHEALY **Chain of Custody Record**

**SHEALY ENVIRONMENTAL SERVICES, INC.**
106 Vantage Point Drive
Cayce, South Carolina 29033
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

**Number** 19399

| | | | |
|---|---|---|---|
| Client: Enviro-Pro, P.C. | Report to Contact: Tom Bolyard | Telephone No. / Fax No. / E-mail: 704 583 0075 | Quote No.: 7456 |
| Address: 15101 Regina Line | Sampler's Signature: X [signature] | Waybill No. | Page 1 of 1 |
| City: Charlotte; State: NC; Zip Code: 28278 | Printed Name: Tommy Bolyard | Analysis (Attach list if more space is needed.) | |
| Project Name: N. Meck C&D landfill Expansion | | | |
| Project No.: EP-1792 | P.O. No. | | Lot No. |

| Sample ID / Description (Containers for each sample may be combined on one line.) | Date | Time | G=Grab C=Composite | Matrix: Aqueous | Matrix: Solid | Matrix: Non-Aqueous | No. of Containers by Preservative Type: Unpres. | H2SO4 | HNO3 | HCl | NaOH | 5035 Kit | 8260 | RCRA metals | Remarks / Cooler I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-13 | 3/26/03 | 12:12 | G | X | | | | | 1 | 3 | | | ✓ | ✓ | |
| MW-14 | " | 11:45 | G | X | | | | | 1 | 3 | | | ✓ | ✓ | |
| MW-15 | " | 11:15 | G | X | | | | | 1 | 3 | | | ✓ | ✓ | |
| MW-16 | " | 12:35 | G | X | | | | | 1 | 3 | | | ✓ | ✓ | |
| SW-1 | " | 12:50 | G | X | | | | | 1 | 3 | | | ✓ | ✓ | |
| SW-2 | " | 9:15 | G | X | | | | | 1 | 3 | | | ✓ | ✓ | |
| Trip Blank | " | | | X | | | | | | 2 | | | ✓ | | |
| Field Blank | " | 12:45 | G | X | | | | | | 2 | | | ✓ | | |

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal: ☐ Return to Client ☑ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☑ Standard ☐ Rush (Specify) 7-day T-A-T

QC Requirements (Specify)

| | Date | Time | | Date | Time |
|---|---|---|---|---|---|
| 1. Relinquished by: T. Bolyard | 3/27/03 | [illegible] | 1. Received by: [illegible] | 3-27-03 | 10:00 |
| 2. Relinquished by | | | 2. Received by | | |
| 3. Relinquished by | | | 3. Laboratory received by | | |

Comments

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack

Receipt Temp. _____ °C

**DISTRIBUTION:** WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-012 Effective Date: 08-04-02

SHEALY **Chain of Custody Record**

**SHEALY ENVIRONMENTAL SERVICES, INC.**
106 Vantage Point Drive
Cayce, South Carolina 29033
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

**Number** 19403

| | | | |
|---|---|---|---|
| Client: Enviro-Pro, P.C. | Report to Contact: T. Bolyard | Telephone No. / Fax No. / E-mail: 704-583-0075 | Quote No.: 7456 |
| Address: 15101 Regent Ln. | Sampler's Signature: X T. Bolyard | Waybill No. | Page 1 of 1 |
| City: Charlotte; State: NC; Zip Code: 28278 | Printed Name: T. Bolyard | Analysis (Attach list if more space is needed.) | |
| Project Name: NMLF-Expansion | | | |
| Project No.: EP-1292 | P.O. No. | | Lot No. |

| Sample ID / Description (Containers for each sample may be combined on one line.) | Date | Time | G=Grab C=Composite | Matrix: Aqueous | Solid | Non-Aqueous | No. of Containers by Preservative Type: Unpres. | H2SO4 | HNO3 | HCl | NaOH | 5035 Kit | | 8260B (Appendix I) | RCRA metals | | | | | | | | | Remarks / Cooler I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-12 | 4/1/03 | 10:36 | G | X | | | | | 1 | 3 | | | | ✓ | ✓ | | | | | | | | | Please include this sample results with the samples from this site picked up on 3/27/03. TB |

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal: ☐ Return to Client ☑ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☑ Standard ☐ Rush (Specify) 7-day T-A-T

QC Requirements (Specify)

| | | | | | |
|---|---|---|---|---|---|
| 1. Relinquished by: T. Bolyard | Date: 4/2/03 | Time: 1125 | 1. Received by: [signature] | Date: 4/2/03 | Time: 1125 |
| 2. Relinquished by | Date | Time | 2. Received by | Date | Time |
| 3. Relinquished by | Date | Time | 3. Laboratory received by | Date | Time |

Comments

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack

Receipt Temp. _____ °C

**DISTRIBUTION:** WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

DEVELOPMENT/PURGE READINGS

PROJECT NO.: EP-1292
PROJECT NAME: N. Meck C&D Expansion Area
LOCATION: Huntersville, NC

DATE(S): 3-26-03
PERSONNEL: TRB/THB

| WELL I.D. | TIME(Duration) | GALLONS | NTUs | TEMP. (DEGREES C) | CONDUCTIVITY (2mu/cm) | pH |
|---|---|---|---|---|---|---|
| MW-12* | | 0.5 | | 15.2 | 202.3 | 7.0 |
| | | 1 | | 15.1 | 221.1 | 7.0 |
| | | 2 | | 15.3 | 216.6 | 7.0 |
| | | 3 | | 15.3 | 210.1 | 7.0 |
| MW-13 | | 2 | | 15.5 | 198.8 | 7.0 |
| | | 4 | | 15.6 | 182.2 | 7.0 |
| | | 6 | | 15.8 | 177.0 | 7.0 |
| | | 8 | | 15.7 | 181.1 | 7.0 |
| | | 10 | | 15.8 | 172.4 | 7.0 |
| MW-14 | | 1 | | 15.7 | 222.6 | 7.0 |
| | | 3 | | 16.0 | 233.1 | 7.0 |
| | | 5 | | 16.1 | 218.0 | 7.0 |
| | | 7 | | 16.0 | 210.1 | 7.0 |
| MW-15 | | 1 | | 16.4 | 180.1 | 7.0 |
| | | 2 | | 16.3 | 171.2 | 7.0 |
| | | 3 | | 16.2 | 166.5 | 7.0 |
| | | 5 | | 16.2 | 159.4 | 7.0 |
| MW-16 | | 1 | | 16.2 | 234.6 | 7.0 |
| | | 2 | | 16.1 | 252.0 | 7.0 |
| | | 3 | | 16.1 | 261.9 | 7.0 |
| SW-1 | | — | | 15.5 | 176.2 | 7.0 |
| SW-2 | | — | | 15.6 | 178.8 | 7.0 |

*MW-12 purged & sampled on 4/1/03 after PVC casing was repaired. TB

# WELL DEVELOPMENT, PURGE, AND SAMPLE RECORD

CLIENT: N. Meck Landfill, LLC
LOCATION: Huntersville, NC
PROJECT NAME/DESCRIPTION: N. Meck C&D Expansion Area
DATE OF WATER LEVEL MEASUREMENTS: 3-26-03

DEVELOP:
PURGING: ✓
SAMPLING: ✓

PROJECT NO.: EP-1292
PROJ. MGR.: THB
CHECKED BY:
PREPARED BY: THB

| Sample ID | A<br>Well No. | B<br>Sample Date | C<br>Time (hrs) | D<br>Well Depth (ft) | E<br>MP Elevation (ft) | F<br>Depth to Water (ft-bmp) | (E-F)=G<br>Water Level Elevation (ft) | (D-F)=H<br>Hgt. of Water Col. (ft) | I<br>Volume of Water (gal)* | Vol. of Water Pgd. (gal)** | Temp. (°C) | Specific Cond. (umhos) | pH | Turbidity or Appearance |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MW-12 | 4-1-03 | 10:36 | 60 | | 53.85 | | 6.15 | 1.00 | 3.0 | | | | |
| | MW-13 | 3-26-03 | 12:12 | 45 | | 25.24 | | 19.76 | 3.2 | 10.0 | | | | |
| | MW-14 | " | 11:45 | 36 | | 21.28 | | 14.72 | 2.4 | 7.0 | | | | |
| | MW-15 | " | 11:15 | 23 | | 13.37 | | 9.63 | 1.6 | 5.0 | | | | |
| | MW-16 | " | 12:35 | 28 | | 20.90 | | 7.1 | 1.2 | 3.5 | | | | |
| | | | | | | | | | | | | | | |
| | SW-1 (up) | " | 12:50 | | | | | | | | | | | |
| | SW-2 (down) | " | 9:15 | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | Field Blank | " | | | | | | | | | | | | |
| | Trip Blank | | | | | | | | | | | | | |

Comments:

*To calculate volume of water in the well multiply "H" by 0.163 for a 2" well, 0.652 for a 4" well, or 1.469 for a 6" well.

**To calculate purge volume, multiply "I" by the desired number of well volumes (e.g., 3 to 5)

(e.g., after each well volume).

60-13
3-26-03

APR 2003

April 15, 2003

Mr. Larry Rose
North Carolina Department of Environment
Health and Natural Resources
Division of Solid Waste Management
401 Oberlin Road, Suite 150
Raleigh, North Carolina 27605

RE: Semi-Annual Groundwater Sampling Results
North Mecklenburg Landfill-Expansion Area
Huntersville, North Carolina

Dear Mr. Rose,

As required, North Mecklenburg Landfill-Expansion Area has completed our semi-annual groundwater monitoring event as discussed in the attached report (Enviro-Pro, report dated April 11, 2003).

If you have any questions, please do not hesitate to contact me at 704-895-0329.

Sincerely,

Ronald C. Gilkerson

Ronald C. Gilkerson

- No VOCs
- No metals > 2L stds

19109 West Catawba Ave, Suite 118 • Cornelius, NC 28031 • 704.896.6650 • FX 896.2960