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MAY - 9 2003

LIMITED SITE ASSESSMENT
2204 SOUTH STERLING STREET
MORGANTON, BURKE COUNTY, NORTH CAROLINA
S&ME PROJECT NO. 1584-03-049

Prepared For:

M&T Associates
P.O. Box 821
Morganton, North Carolina 28680

Prepared By:

S&ME, Inc.
3718 Old Battleground Road
Greensboro, North Carolina 27410

May 2003

LIMITED SITE ASSESSMENT
2204 SOUTH STERLING STREET
MORGANTON, BURKE COUNTY, NORTH CAROLINA
S&ME PROJECT NO. 1584-03-049

TITLE PAGE

Location:	2204 South Sterling Street Morganton, Burke County, NC
Groundwater Incident #:	13773
Facility I.D. #:	0-004260
• Date of Report:	May 9, 2003
• Risk Classification:	"Low" Risk (Proposed)
• Land Use Category:	Industrial/Commercial (Proposed)
• UST Owner/Operator	Robbins Oil Company
• Current Property Owner	M&T Associates P.O. Box 821 Morganton, NC 28680
• Consultant/Contractor:	S&ME, Inc. Attention: Wayne H. Watterson, P.E. 3718 Old Battleground Road Greensboro, NC 27410 (336) 288-7180

S&ME

Since 1973

Three Decades . . . Three Reasons
We listen. We respond. We solve.

May 9, 2003

M&T Associates
P.O. Box 821
Morganton, North Carolina 28680

Attention: Mr. Mike Fulenwider

Reference: **LIMITED SITE ASSESSMENT REPORT**
2204 South Sterling Street
Morganton, Burke County, North Carolina
S&ME Project No. 1584-03-049

Dear Mr. Fulenwider:

S&ME, Inc. has prepared this correspondence to provide information related to the release of petroleum products from the underground storage tank (UST) system at the above referenced site. The report was formatted to provide the North Carolina Department of Environment and Natural Resources (NCDENR) with information to review the risk classification of the site with respect to current regulations. The collected soil and groundwater data, along with comments provided by Mr. Mike Streeter with NCDENR, suggests that no further action should be required at the site. At your request, a copy of this report was forwarded to NCDENR for review.

Please contact the undersigned at your convenience if you have any questions concerning this report or if we may be of further service on this project.

Sincerely,

S&ME, Inc.

Edmund Q.B. Henriques, L.G.
Environmental Department Manager

Wayne H. Watterson, P.E.
Senior Engineer

c: Amanda Kitchen; Helms, Mullis & Wicker

S&ME, Inc.
3718 Old Battleground Road
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Appendix II: Copies of Laboratory Analytical Report and Chain of Custody Record

1.0 SITE HISTORY

1.1 SITE INFORMATION

- Site Name, Location: 2204 South Sterling Street
  Morganton, Burke County, NC
- Site Priority Ranking: Recommended Site Ranking of "Low Risk"
- Land Use Classification Recommended as "Industrial/Commercial"

1.2 SITE BACKGROUND

S&ME was provided copies of two assessment reports by Mr. Mike Fulenwider to review past activities at the site. Six petroleum underground storage tanks (USTs) were once located at the site as part of the Frank White Exxon facility, three regulated USTs and three non-regulated USTs.

The *Initial Site Characterization Report* prepared by Enviromark, P.A. for the site dated February 20, 1997 documents petroleum contamination in the site soil and groundwater. Five groundwater monitor wells are referenced in the report, with petroleum contamination present in samples collected from all five wells. Free product was initially identified in one of the monitor wells immediately after well completion, but later measurements record no free product present. Petroleum contamination was also documented with total petroleum hydrocarbon (TPH) concentrations reported as high as 6,200 milligrams per kilogram. Groundwater flow at the site was documented as toward the east.

S&ME also reviewed *UST Closure Report*, Tank Removal Service, Inc., February 26, 2000. The report documents the removal of the three regulated USTs at the site. No documentation for the removal of the three non-regulated USTs is included in the report. Soil samples collected during the UST closure assessment document no petroleum contamination in the soil; however, it appears that

some of the soil samples were collected below the water table, which may have impacted the test results. Analytical results for the soil samples collected for the *UST Closure Report* contradict the analytical data included in the *Initial Site Characterization Report.*

1.3 RECENT ACTIVITIES

S&ME performed its investigation to acquire soil and groundwater data at the site according to NCDENR risk-based criteria for UST assessments and corrective actions. The purpose of the investigation was to review whether current contaminant concentrations at the site are below applicable risk-based concentrations. S&ME relied upon information presented in the prior site investigation for the selection of sample locations for this report.

On April 16, 2003, S&ME installed groundwater monitoring wells TW-1 and TW-2 (see Figure 2). The wells are located at the former gasoline UST basin and at the former fuel dispenser island. Soil samples were collected with a split-spoon sampler at 5-foot intervals until groundwater was encountered.

Each split-spoon sample was screened in the field with a toxic vapor analyzer (TVA) to determine relative organic vapor concentrations in the soil samples (see Table 1). One soil sample was selected from each monitoring well location for laboratory analysis of volatile organic compounds by SW-846 method 8260 and for volatile petroleum hydrocarbons (VPH) by the MADEP method. The results of the laboratory analysis are summarized in Table 2. A copy of the laboratory report is included in Appendix II.

A 2-inch diameter PVC monitor well was installed at each boring location, with the lower 10 feet being screened pipe. Fine sand was placed into the annulus of the borehole around the screened interval. Bentonite was placed above the sandpack to seal the well to prevent surface water infiltration into the well. The wells were completed by filling the remaining annulus with neat

cement grout and installing a flush-mounted protective cover. The wells were installed by a North Carolina certified well driller. Well Construction Records are included in Appendix II.

On April 22, 2003, S&ME returned to the site to collect groundwater samples from each newly-installed monitor well. The depth to groundwater was measured at 6.08 feet below the top of casing in well TW-1 and 7.66 feet below the top of casing in well TW-2. Three well volumes were purged from each well with a new, disposable PVC bailer before collecting the samples. The samples were placed into laboratory-prepared containers, placed into a cooler with ice and transported to the analytical laboratory.

The groundwater samples were analyzed in the laboratory for the following suite of analyses: lead by EPA method 200.7 with method 3030C extraction, volatile petroleum hydrocarbons (VPH) by the MADEP methods, volatile organic compounds by EPA methods 601 and 602, and for ethylene dibromide by EPA method 504.1. The results of the laboratory analyses are summarized in Table 3. A copy of the laboratory report is included in Appendix II.

2.0 RISK CHARACTERIZATION

A "Limited Site Assessment Risk Classification and Land Use Form" completed for the site is included in Appendix I. Based on the collected information presented on this form, we recommend a priority site ranking of "Low Risk." Based on this information, the site should qualify for an "Industrial/Commercial" land use classification.

3.0 RECEPTOR INFORMATION

3.1 WATER SUPPLY WELLS

S&ME performed a well survey of the area near the site, which included a walking survey of properties within 500 feet of the site, and a vehicular reconnaissance of properties within 500 to 1,500 feet of the property. A well survey questionnaire was also mailed to all property owners within 500 feet of the site. No water supply wells were observed within 1,500 feet of the site. The well questionnaires that S&ME received from property owners all stated that no wells were located on the respective nearby properties. Copies are included in Appendix I.

3.2 PUBLIC WATER SUPPLIES

The subject property is within the City of Morganton corporate limits. Public water and sewer services are available to the site and surrounding area.

3.3 SURFACE WATER

The nearest surface water body is East Prong Creek, located south and east of the property. The stream is located between approximately 300 feet and 500 feet from the subject property, depending on direction.

3.4 WELLHEAD PROTECTION AREA

S&ME is not aware of the designation of the surrounding vicinity to the subject site as a Wellhead Protection Area.

3.5 SUBSURFACE STRUCTURES

No subsurface vaults were observed by S&ME on the property.

3.6 LAND USE

Properties surrounding the subject site consist of commercial, institutional and residential sites. The potential for exposure to the contamination within 1,000 feet of the source area is low. Groundwater is not used as a source of drinking water for properties within 1,000 feet of the site.

Properties north and east of the site are commercial and institutional. The property south consists of the right-of-way for Interstate 40. The adjacent property to the west of the site is wooded.

4.0 SITE GEOLOGY AND HYDROGEOLOGY

The site is located in the Inner Piedmont Belt in the Piedmont Physiographic Province. The underlying rock present in the area has been physically and chemically altered to saprolite. The saprolite varies in thickness depending on local conditions (North Carolina Geologic Map, 1985). Soils in this region are typically composed of residual weathering products of the underlying parent rocks. A transitional zone exists between the unweathered bedrock and the overlying soil. This regolith is primarily saprolite, a clay-rich residuum derived from the in-situ weathering of the underlying bedrock. The thickness of a saprolite unit can often vary considerably within a given locale.

Groundwater in this region generally occurs in a shallow, unconfined aquifer within this residual material and in fractures within the underlying bedrock. Typically, the overlying porous regolith acts as a storage reservoir for the underlying fractured bedrock. Near surface groundwater flow generally mimics surface topography, with groundwater moving from topographic highs to topographic lows, with flow lines perpendicular to lines of equal elevation.

The site specific soil type encountered during site explorations can be classified as sandy silt. Groundwater was measured at less than 10 feet below the ground surface in the two monitor wells that S&ME installed at the site.

5.0 CONCLUSIONS

A release from the former gasoline UST system occurred at the site. S&ME installed its monitor wells at two suspect release locations, the former gasoline UST basin and the former gasoline dispenser location. Petroleum parameter concentrations detected in the soil at these locations are below the corresponding residential maximum soil contaminant concentrations (MSCC). The site will likely qualify for an industrial/commercial land use designation, which is less restrictive than the residential designation. Based on this data, no additional soil assessment or remediation may be required.

Petroleum concentrations in the site groundwater were reported at concentrations less than NCDENR "Gross Contaminant Levels" (GCLs). NCDENR uses GCLs as a threshold cleanup level. Low and intermediate risk sites with dissolved phase petroleum hydrocarbon concentrations in the groundwater may not require additional assessment or remediation. S&ME did not compare the existing petroleum concentrations in the site groundwater to the NCAC 2B surface water quality standards.

We recommend that a copy of this report be forwarded to the NCDENR Asheville regional office for review.

TABLES

Table 1
TVA Concentrations in Soil
2204 South Sterling Street
S&ME Project No. 1584-03-049

Sample	TVA Concentration	
Depth (ft)	*TW-1*	*TW-2*
1	113/420	210/1370
3.5	190/780	130/640
6	495/8950	510/2.4%
8.5	na	350/4.5%

TVA- toxic vapor analyzer
ft - feet
all concentrations reported in ppm
ppm - parts per million

Note: first number in concentration
reading by PID
second number in concentration
by FID

PID - photoionization detector
FID - flame ionization detector

Table 2
Summary of Soil Analytical Results
2204 South Sterling Street
S&ME Project No. 1584-03-049

Constituent	TW-1-6	TW2-1	NC Residential MSCC
Sampling Date:	***4/16/2003***	***4/16/2003***	
Method 8260	[mg/kg]	[mg/kg]	[mg/kg]
n-Butylbenzene	0.28	0.66	156
Benzene	<0.26	0.047	22
Ethylbenzene	1.3	0.074	1560
p-Isopropyltoluene	0.77	0.0098	NSE
Methylene Chloride	<0.26	0.0051	85
Isopropylbenzene	1.6	0.0058	1564
Diisopropyl ether	<0.26	0.16	156
Methyl tert-butyl ether	0.84	4.1	156
Naphthalene	1.2	0.08	63
n-Propylbenzene	0.5	0.024	156
Toluene	0.56	0.06	3200
1,2,4-Trimethylbenzene	4.1	6.5	782
1,3,5-Trimethylbenzene	4.1	4.9	782
Xylenes	5.73	0.313	32000
Aliphatic Fraction Classes	[mg/kg]		[mg/kg]
C5-C8 Volatile Aliphatics	<13	<12	939
C9-C12 Volatile Aliphatics	38	<12	9,386
Aromatic Fraction Classes	[mg/kg]		[mg/kg]
C9-C10 Volatile Aromatics	15	<12	469

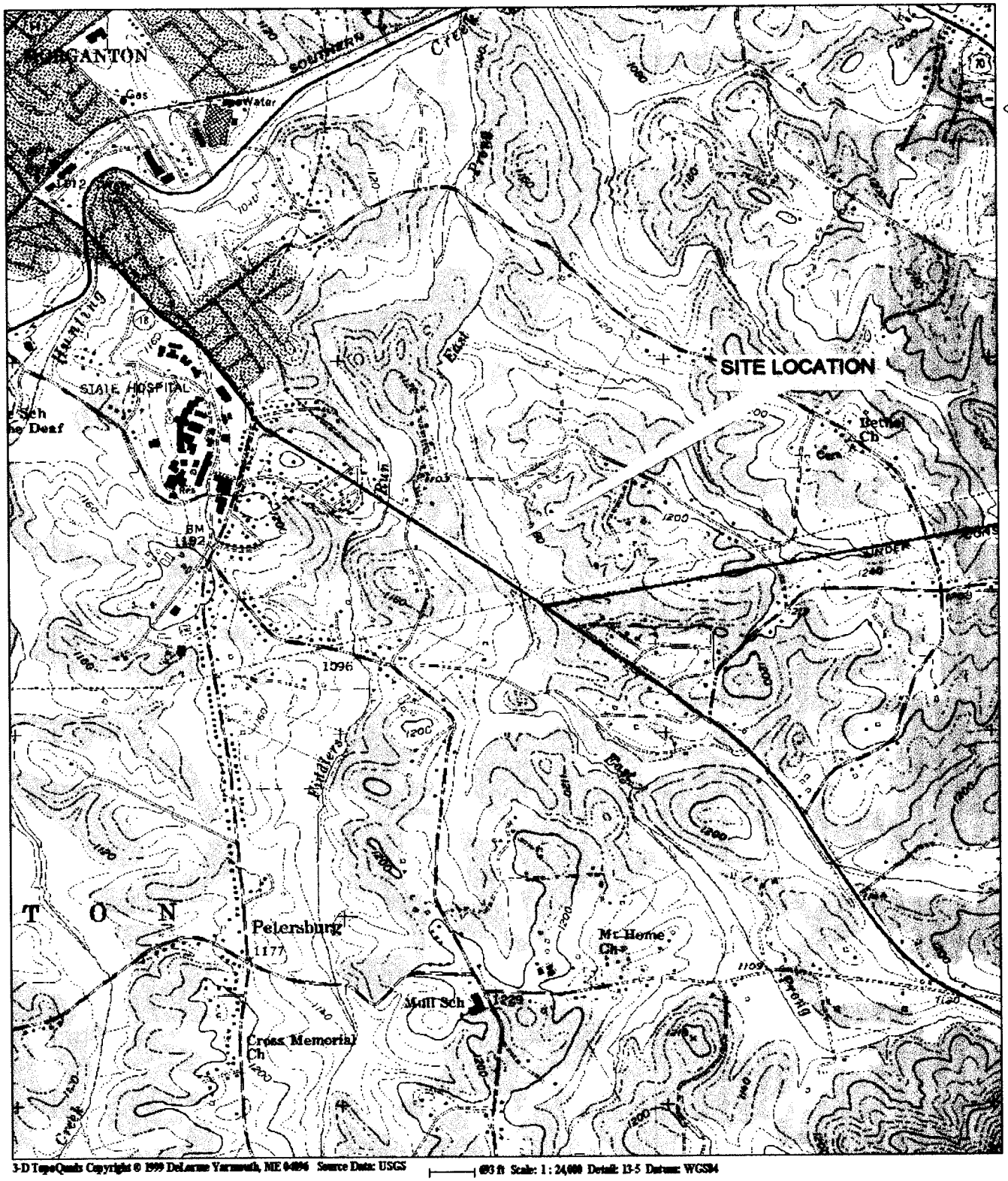
NSE = No Standard Established
mg/kg = milligrams per kilogram
MSCC = Maximum Soil Contaminant Concentration

TABLE 3
Summary of Groundwater Analytical Results
2204 South Sterling Street
S&ME Project # 1584-03-049

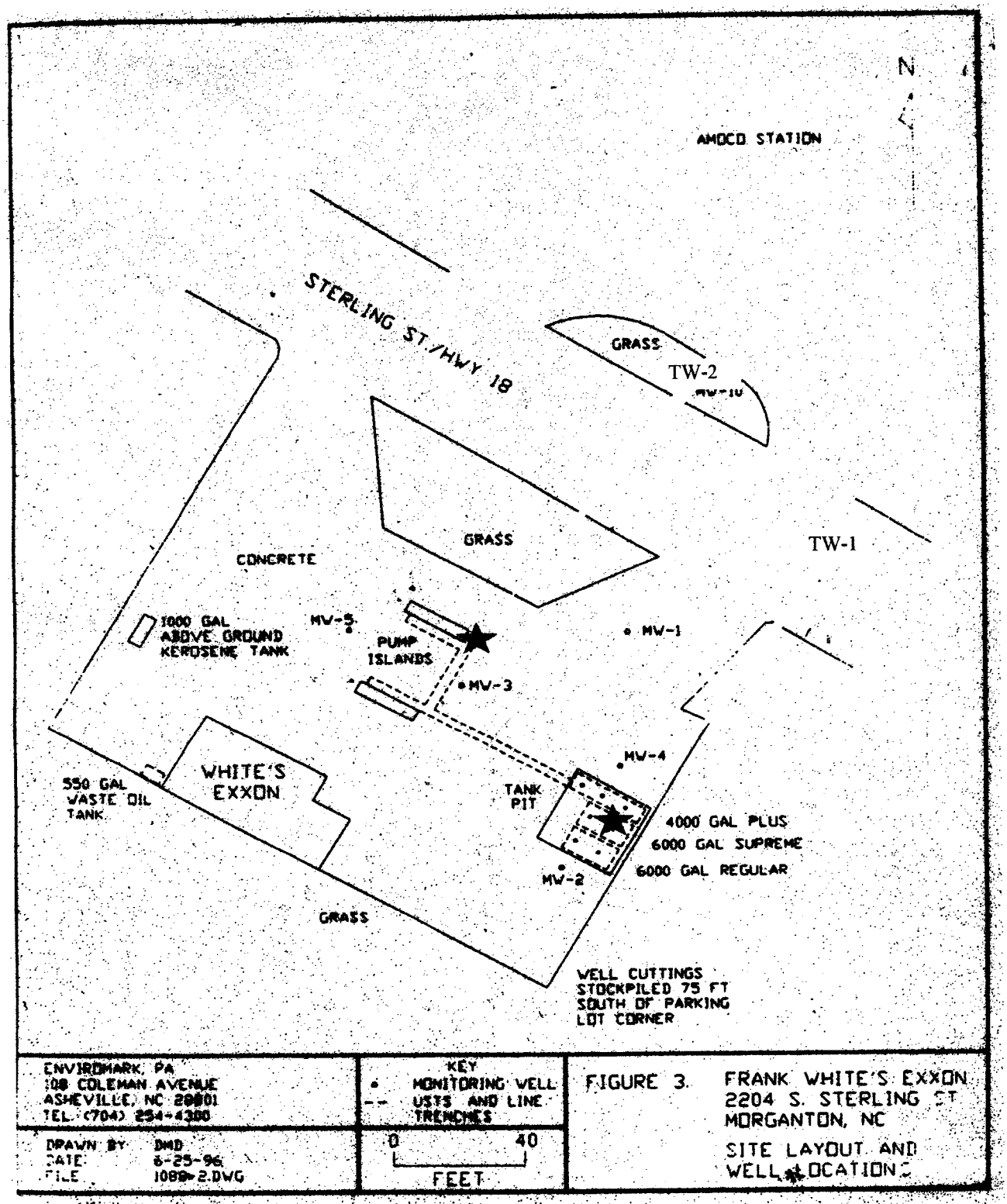
Sample ID:	TW-1	TW-2	
Sampling Date:	***4/22/2003***	***4/22/2003***	GCLs
Constituent	Results in (ug/L)		
Methyl tert-butyl ether	630	770	200000
Diisopropyl ether	<50	770	70000
Benzene	250	1600	5000
Toluene	240	19000	257500
Ethylbenzene	830	2200	29000
Xylenes	2560	11000	87500
C5-C8 Aliphatics	2800	19000	NS
C9-C12 Aliphatics	27000	53000	NS
C9-C10 Aromatics	2000	2100	NS

All concentrations in micrograms per liter (ug/l)
GCLs - gross contaminant levels
NS - no standard

FIGURES



SCALE: AS SHOWN	S&ME	**SITE LOCATION MAP**	FIGURE NO.
CHECKED BY:		2204 SOUTH STERLING STREET	
DRAWN BY: WHW		MORGANTON, NORTH CAROLINA	1
DATE: 5/8/2003	ENVIRONMENTAL SERVICES • ENGINEERING • TESTING	JOB NO. 1584-03-049	



Note: This figure was scanned from *Initial Site Characterization Report*; Enviromark, P.A.; February 20, 1997
Color features added by S&ME

SCALE: AS SHOWN	S&ME ENVIRONMENTAL SERVICES • ENGINEERING • TESTING	**SAMPLE LOCATION PLAN** 2204 SOUTH STERLING STREET MORGANTON, NORTH CAROLINA	FIGURE NO. 2
CHECKED BY:			
DRAWN BY: WHW			
DATE: 5/8/2003		JOB NO. 1584-03-049	

APPENDIX I

LIMITED SITE ASSESSMENT RISK CLASSIFICATION AND LAND USE FORM AND WELL QUESTIONNAIRE FORMS

Limited Site Assessment Risk Classification and Land Use Form

Part I - Groundwater/Surface Water/Vapor Impacts

High Risk

1. Has the discharge or release contaminated any water supply well including any well used for non-drinking purposes? **NO**

2. Is a water supply well used for drinking water located within 1000 feet of the source area the release? **NO**

3. Is a water supply well not used for drinking water (e.g., irrigation, washing cars, industrial cooling water, filling swimming pools) located within 250 feet of the source area of the release? **NO**

4. Does groundwater within 500 feet of the source area of the release have the potential for future use (there is no other source of water supply other than the groundwater)? **NO**

5. Do vapors from the release pose a threat of explosion because of accumulation of the vapors in confined space or pose any other serious threat to public health, public safety or the environment? **NO**
   If yes, describe

   _____
   _____
   _____
   _____

6. Are there any other factors that would cause the release to pose an imminent danger to public health, public safety, or the environment? **NO**
   If yes, describe.

   _____
   _____
   _____
   _____

Intermediate Risk

7. Is a surface water body located within 500 feet of the source area of the release? **YES**

   If **YES**, does the maximum groundwater contaminant concentration exceed the surface water quality standards and criteria found in 15A NCAC 2B.0200 by a factor of 10?

8. Is the source area of the release located within an approved or planned wellhead protection area as defined in 42 USC 300h-7(e)? If Yes, describe. **NO**
   If yes, describe.

   _____
   _____

9. Is the discharge or release located in the Coastal Plain physiographic region as designated on map entitled "Geology of North Carolina" published by the Department in 1985?

NO

If **YES**, is the source area of the discharge or release located in an area in which there is recharge to an unconfined or semi-confined deeper aquifer that is being used or may be used as a source of drinking water?

NO

If **YES**, describe.

10. Do the levels of groundwater contamination for any contaminant exceed the gross contamination levels established (see Table 9) by the Department.

NO

Part II - Land Use

Property Containing Source Area of Release

The questions below pertain to the property containing the source area of the release.

1. Does the property contain one or more primary or secondary residences (permanent or temporary)?

NO

Describe.

2. Does the property contain a school, daycare center, hospital, playground, park, recreation area, church, nursing home, or other place of public assembly?

NO

Describe.

3. Does the property contain a commercial (e.g., retail, warehouse, office/business space, etc.) or industrial (e.g., manufacturing, utilities, industrial research and development, chemical/petroleum bulk storage, etc.) enterprise, an inactive commercial or industrial enterprise, or is the land undeveloped?

YES

Describe.

The property is located in a commercial corridor.

4. Do children visit the property?

YES

Explain

Not on a regular basis

Is access to the property reliably restricted consistent with its use (e.g., by fences, security personnel or both)?

YES

Explain.

The site is scheduled for commercial development that will cap the area of contamination.

5. Do pavement, buildings, or other structures cap the contaminated soil? **YES**
Describe.
Not at this time, see previous question.

If yes, what mechanisms are in place or can be put into place to ensure that the contaminated soil will remain capped in the foreseeable future?
See above

6. What is the zoning status of the property?
business

7. Is the use of the property likely to change in the next 20 years? **NO**
Explain
The property should continue to be used for commercial purposes.

Property Surrounding Source Area of Release

The questions below pertain to the area within 1500 feet of the source area of the release (excludes property containing source area of the release):

1. What is the distance from the source area of the release to the **nearest** primary or secondary residence (permanent or temporary)?
>1000 feet

2. What is the distance from the source area of the release to the **nearest** school, daycare center, hospital, playground, park, recreation area, church, nursing home or other place of public assembly?
¼-mile

3. What is the zoning status of properties in the surrounding area?
Commercial and residential

4. Briefly characterize the use and activities of the land in the surrounding area.
Properties are a mixture of commercial, institutional, and residential/

C. Receptor Information

1. Water Supply Wells (Complete and attach Table B-5 and attach map showing well locations)

2. Public Water Supplies
Are public water supplies available within 1,500 feet of the source area of the release? **YES**
If yes, where is the location of the nearest public water lines and the source(s) of the public supply? (indicate on map) Describe. Along Battleground Avenue

3. Surface Water

Identify all surface water bodies (e.g., ditch, pond, stream, lake, river) within 1,500 feet of the source area of the release. This information must be shown on the USGS topographic map. See USGS map, Figure 1.

4. Wellhead Protection Areas

Identify all planned and approved wellhead protection areas (e.g., ditch, pond, stream, lake, river) within 1,500 feet of the source area of the release. This information must be shown on the USGS topographic map. Wellhead protection areas defined in 42 USC 300h-7(e).

N/A

5. Describe Deep Aquifers in the Coastal Plain Physiographic Region (*refer to page 19 of the guidelines):*

NOTE: *This requirement only pertains to releases in the Coastal Plain psysiographic region as designated on the map entitled "Geology of North Carolina" published by the Department in 1985.*

N/A

6. Describe Subsurface Structures (*refer to page 19 of the guidelines):*

N/A

Incident Number:# _____ **Incident Name:** Frank White Exxon

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey:

Name: John Link

Telephone Number: 828 - 322 - 2505

Address of property receiving the survey:

2211 S. Sterling Street

City: Morganton County: Burke

What is the source of your drinking water? (Public Water) / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property? **Yes** / (**No**) If "No" disregard remaining questions and return the survey.

Name and address of owner(s) of property with water supply well: _____

What is the well(s) used for? (check all that apply) **Drinking** ___ **Irrigation** ___ **Swimming Pool** ___ **Water Livestock** ___ **Other (specify)** _____ **You do not use the well** ___.

How many residences are connected to the well (list addresses below) _____

How deep is the well(s)? _____ Date well(s) was installed: _____

What is the casing depth of the well(s)? _____

What is the screen interval of the well(s)? _____

Additional water supply well information: _____

A. This Part to be Completed by the Responsible Part or their Representative

Please complete the survey and return to S&ME, Inc. by May 12, 2003 using one of the following methods:

1. Fax to (336) 288-8980
2. Mail to 3718 Old Battleground Road
   Greensboro, NC 27410
3. Telephone (336) 288-7180
4. E-mail to wwatterson@smeinc.com

If you have any questions, please contact the consultant indicated above or the UST Section (NCDENR) Asheville NC Regional Office at 828-251-6208.

Incident Number:#15840349 **Incident Name:** Frank White Exxon

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey:

Name: Tim Bernard

Telephone Number: 828 4370931

Address of property receiving the survey:

Lot 1A, NC 18 South

City: Morganton County: Burke

What is the source of your drinking water? (Public Water) / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property? **Yes** / (**No**) If "No" disregard remaining questions and return the survey.

Name and address of owner(s) of property with water supply well: _____

What is the well(s) used for? (check all that apply) **Drinking** ___ **Irrigation** ___ **Swimming Pool** ___ **Water Livestock** ___ **Other (specify)** _____ **You do not use the well** ___.

How many residences are connected to the well (list addresses below) _____

How deep is the well(s)? _____ Date well(s) was installed: _____

What is the casing depth of the well(s)? _____

What is the screen interval of the well(s)? _____

Additional water supply well information: _____

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If you have any questions, please contact the consultant indicated above or the UST Section (NCDENR) Asheville NC Regional Office at 828-251-6208.

Incident Number:#_____ Incident Name: Frank White Exxon

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey:

Name: John W. Ervin Jr

Telephone Number: 828 437-4220

Address of property receiving the survey:

2149 S. Sterling Street

City: Morganton County: Burke

What is the source of your drinking water? (Public Water) / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property? **Yes** (**No**) If "No" disregard remaining questions and return the survey.

Name and address of owner(s) of property with water supply well: _____

What is the well(s) used for? (check all that apply) **Drinking** ___ **Irrigation** ___ **Swimming Pool** ___ **Water Livestock** ___ **Other (specify)** _____ **You do not use the well** ___.

How many residences are connected to the well (list addresses below) _____

How deep is the well(s)?_____ Date well(s) was installed: _____

What is the casing depth of the well(s)? _____

What is the screen interval of the well(s)? _____

Additional water supply well information: _____

A. This Part to be Completed by the Responsible Part or their Representative

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4. E-mail to wwatterson@smeinc.com

If you have any questions, please contact the consultant indicated above or the UST Section (NCDENR) Asheville NC Regional Office at 828-251-6208.

Incident Number:#_____ Incident Name: Frank White Exxon

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey:
Name: CHARLES FULENWIDER
Telephone Number: 828-437-8000
Address of property receiving the survey:
2145 S. Sterling Street
2147 S. Sterling Street
City: Morganton County: Burke

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)
City

Is there a water supply well on this property? **Yes** / **No** If "No" disregard remaining questions and return the survey.
Name and address of owner(s) of property with water supply well: _____

What is the well(s) used for? (check all that apply) **Drinking ___ Irrigation ___ Swimming Pool ___ Water Livestock ___ Other (specify) _____ You do not use the well ___.**
How many residences are connected to the well (list addresses below) _____

How deep is the well(s)?_____ Date well(s) was installed: _____
What is the casing depth of the well(s)? _____
What is the screen interval of the well(s)? _____
Additional water supply well information: _____

A. This Part to be Completed by the Responsible Part or their Representative
Please complete the survey and return to S&ME, Inc. by May 12, 2003 using one of the following methods:

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2. Mail to 3718 Old Battleground Road
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If you have any questions, please contact the consultant indicated above or the UST Section (NCDENR) Asheville NC Regional Office at 828-251-6208.

Incident Number:#_____ Incident Name: Frank White Exxon

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey:

Name: CARL MORANN

Telephone Number: 828-580-5910

Address of property receiving the survey:

2201 S. Sterling Street

City: Morganton County: Burke

What is the source of your drinking water? (Public Water) / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property? **Yes** / (**No**) If "No" disregard remaining questions and return the survey.

Name and address of owner(s) of property with water supply well: _____

What is the well(s) used for? (check all that apply) **Drinking ___ Irrigation ___ Swimming Pool ___ Water Livestock ___ Other (specify) _____ You do not use the well ___.**

How many residences are connected to the well (list addresses below) _____

How deep is the well(s)?_____ Date well(s) was installed: _____

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Additional water supply well information: _____

A. This Part to be Completed by the Responsible Part or their Representative

Please complete the survey and return to S&ME, Inc. by May 12, 2003 using one of the following methods:

1. Fax to (336) 288-8980
2. Mail to 3718 Old Battleground Road
   Greensboro, NC 27410
3. Telephone (336) 288-7180
4. E-mail to wwatterson@smeinc.com

If you have any questions, please contact the consultant indicated above or the UST Section (NCDENR) Asheville NC Regional Office at 828-251-6208.

Incident Number:#_____ Incident Name: Frank White Exxon

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey:

Name: _____

Telephone Number: _____

Address of property receiving the survey:

2159 S. Sterling Street

City: Morganton County: Burke

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property? **Yes / No** If "No" disregard remaining questions and return the survey.

Name and address of owner(s) of property with water supply well: _____

What is the well(s) used for? (check all that apply) **Drinking ___ Irrigation ___ Swimming Pool ___ Water Livestock ___ Other (specify) _____ You do not use the well ___.**

How many residences are connected to the well (list addresses below) _____

How deep is the well(s)?_____ Date well(s) was installed: _____

What is the casing depth of the well(s)? _____

What is the screen interval of the well(s)? _____

Additional water supply well information: _____

A. This Part to be Completed by the Responsible Part or their Representative

Please complete the survey and return to S&ME, Inc. by May 12, 2003 using one of the following methods:

1. Fax to (336) 288-8980
2. Mail to 3718 Old Battleground Road
   Greensboro, NC 27410
3. Telephone (336) 288-7180
4. E-mail to wwatterson@smeinc.com

If you have any questions, please contact the consultant indicated above or the UST Section (NCDENR) Asheville NC Regional Office at 828-251-6208.

Incident Number:# _____ **Incident Name:** Frank White Exxon

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey:
Name: Lyman Jay Stewart
Telephone Number: (828) 287-8469
Address of property receiving the survey:
2128 S. Sterling Street
City: Morganton County: Burke

What is the source of your drinking water? (Public Water) / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property? **Yes** / (**No**) If "No" disregard remaining questions and return the survey.
*We do have some monitoring wells
Name and address of owner(s) of property with water supply well: _____

What is the well(s) used for? (check all that apply) **Drinking** ___ **Irrigation** ___ **Swimming Pool** ___ **Water Livestock** ___ **Other (specify)** _____ **You do not use the well** ___.
How many residences are connected to the well (list addresses below) _____

How deep is the well(s)? _____ Date well(s) was installed: _____
What is the casing depth of the well(s)? _____
What is the screen interval of the well(s)? _____
Additional water supply well information: _____

A. This Part to be Completed by the Responsible Part or their Representative
Please complete the survey and return to S&ME, Inc. by May 12, 2003 using one of the following methods:

1. Fax to (336) 288-8980
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If you have any questions, please contact the consultant indicated above or the UST Section (NCDENR) Asheville NC Regional Office at 828-251-6208.

Incident Number:#_____ Incident Name: Frank White Exxon

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey:

Name: YAN DOTSON

Telephone Number: 828.245.7276

Address of property receiving the survey:

2205 S. Sterling Street

City: Morganton County: Burke

What is the source of your drinking water? (Public Water) / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property? **Yes** (**No**) If "No" disregard remaining questions and return the survey.

Name and address of owner(s) of property with water supply well: _____

What is the well(s) used for? (check all that apply) **Drinking** ___ **Irrigation** ___ **Swimming Pool** ___ **Water Livestock** ___ **Other (specify)** _____ **You do not use the well** ___.

How many residences are connected to the well (list addresses below) _____

How deep is the well(s)?_____ Date well(s) was installed: _____

What is the casing depth of the well(s)? _____

What is the screen interval of the well(s)? _____

Additional water supply well information: _____

A. This Part to be Completed by the Responsible Part or their Representative

Please complete the survey and return to S&ME, Inc. by May 12, 2003 using one of the following methods:

1. Fax to (336) 288-8980
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If you have any questions, please contact the consultant indicated above or the UST Section (NCDENR) Asheville NC Regional Office at 828-251-6208.

Incident Number:#_____ Incident Name: Frank White Exxon

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey:
Name: Kimball E. Smith
Telephone Number: 828-438-1916
Address of property receiving the survey:
145 W. Parker Road

City: Morganton County: Burke

What is the source of your drinking water? (Public Water) / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property? **Yes** / (**No**) If "No" disregard remaining questions and return the survey.
Name and address of owner(s) of property with water supply well: _____

What is the well(s) used for? (check all that apply) **Drinking ___ Irrigation ___ Swimming Pool ___ Water Livestock ___ Other (specify) _____ You do not use the well ___.**
How many residences are connected to the well (list addresses below) _____

How deep is the well(s)?_____ Date well(s) was installed: _____
What is the casing depth of the well(s)? _____
What is the screen interval of the well(s)? _____
Additional water supply well information: _____

A. This Part to be Completed by the Responsible Part or their Representative
Please complete the survey and return to S&ME, Inc. by May 12, 2003 using one of the following methods:

1. Fax to (336) 288-8980
2. Mail to 3718 Old Battleground Road
   Greensboro, NC 27410
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If you have any questions, please contact the consultant indicated above or the UST Section (NCDENR) Asheville NC Regional Office at 828-251-6208.

Incident Number:#_____ Incident Name: Frank White Exxon

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey:

Name: FRED A. Stroup

Telephone Number: 828 874 2044

Address of property receiving the survey:

2250 S. Sterling Street

City: Morganton County: Burke

What is the source of your drinking water? (Public Water) / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property? **Yes** (**No**) If "No" disregard remaining questions and return the survey.

Name and address of owner(s) of property with water supply well: _____

What is the well(s) used for? (check all that apply) **Drinking ___ Irrigation ___ Swimming Pool ___ Water Livestock ___ Other (specify) _____ You do not use the well ___.**

How many residences are connected to the well (list addresses below) _____

How deep is the well(s)? _____ Date well(s) was installed: _____

What is the casing depth of the well(s)? _____

What is the screen interval of the well(s)? _____

Additional water supply well information: _____

A. This Part to be Completed by the Responsible Part or their Representative

Please complete the survey and return to S&ME, Inc. by May 12, 2003 using one of the following methods:

1. Fax to (336) 288-8980
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   Greensboro, NC 27410
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If you have any questions, please contact the consultant indicated above or the UST Section (NCDENR) Asheville NC Regional Office at 828-251-6208.

Incident Number:#_____ Incident Name: Frank White Exxon

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey:

Name: FRED A. STROUP

Telephone Number: 828 874 2044

Address of property receiving the survey:

2156 S. Sterling Street

City: Morganton County: Burke

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property? **Yes** (**No**) If "No" disregard remaining questions and return the survey.

Name and address of owner(s) of property with water supply well: _____

What is the well(s) used for? (check all that apply) **Drinking ___ Irrigation ___ Swimming Pool ___ Water Livestock ___ Other (specify) _____ You do not use the well ___.**

How many residences are connected to the well (list addresses below) _____

How deep is the well(s)?_____ Date well(s) was installed: _____

What is the casing depth of the well(s)? _____

What is the screen interval of the well(s)? _____

Additional water supply well information: _____

A. This Part to be Completed by the Responsible Part or their Representative

Please complete the survey and return to S&ME, Inc. by May 12, 2003 using one of the following methods:

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   Greensboro, NC 27410
3. Telephone (336) 288-7180
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APPENDIX II

COPIES OF LABORATORY ANALYTICAL REPORT AND CHAIN OF CUSTODY RECORD WELL CONSTRUCTION RECORDS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

April 30, 2003

Mr. Wayne Watterson
S&ME
3718 Old Battleground Rd
Greensboro, NC 27410

RE: Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

Dear Mr. Watterson:

Enclosed are the analytical results for sample(s) received by the laboratory on April 24, 2003. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Bonnie Kamla

Bonnie Kamla
Bonnie.Kamla@pacelabs.com
Project Manager

Enclosures

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

Solid results are reported on a dry weight basis

Lab Sample No: 922938808 Project Sample Number: 9243737-001 Date Collected: 04/22/03 12:30
Client Sample ID: TW-1 Matrix: Water Date Received: 04/24/03 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
3030C Metals, ICP, Trace	Prep/Method: SM 3030C / EPA 200.7								
Lead, 3030C	ND	mg/l	0.0050	1.0	04/26/03 23:52	CBJ	7439-92-1		
Date Digested	04/25/03				04/25/03				
GC Semivolatiles									
EDB and DBCP in Water	Method: EPA 504.1								
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	1.0	04/29/03 16:27	CBE	106-93-4		
1-Chloro-2-bromopropane (S)	66	%		1.0	04/29/03 16:27	CBE	301-79-56		
VPH in Water by Mass. Method	Method: VPH								
Aliphatic (C05-C08)	2800	ug/l	100	1.0	04/28/03 12:02	KSB			
Aliphatic (C09-C12)	27000	ug/l	100	1.0	04/28/03 12:02	KSB			
Aromatic (C09-C10)	2000	ug/l	100	1.0	04/28/03 12:02	KSB			
2,5-Dibromotoluene (FID)(S)	125	%		1.0	04/28/03 12:02	KSB			
2,5-Dibromotoluene (PID)(S)	137	%		1.0	04/28/03 12:02	KSB		1	
GC Volatiles									
Halogen. & Aromatic Vol. Orgs.	Method: EPA 601/602								
Dichlorodifluoromethane	ND	ug/l	50.	50.0	04/25/03 02:36	STC	75-71-8		
Chloromethane	ND	ug/l	100	50.0	04/25/03 02:36	STC	74-87-3		
Vinyl chloride	ND	ug/l	50.	50.0	04/25/03 02:36	STC	75-01-4		
Bromomethane	ND	ug/l	50.	50.0	04/25/03 02:36	STC	74-83-9		
Chloroethane	ND	ug/l	50.	50.0	04/25/03 02:36	STC	75-00-3		
Trichlorofluoromethane	ND	ug/l	50.	50.0	04/25/03 02:36	STC	75-69-4		
1,1-Dichloroethene	ND	ug/l	50.	50.0	04/25/03 02:36	STC	75-35-4		
Methylene chloride	ND	ug/l	100	50.0	04/25/03 02:36	STC	75-09-2		
trans-1,2-Dichloroethene	ND	ug/l	50.	50.0	04/25/03 02:36	STC	156-60-5		
1,1-Dichloroethane	ND	ug/l	50.	50.0	04/25/03 02:36	STC	75-34-3		
Chloroform	ND	ug/l	50.	50.0	04/25/03 02:36	STC	67-66-3		
1,1,1-Trichloroethane	ND	ug/l	50.	50.0	04/25/03 02:36	STC	71-55-6		
Carbon tetrachloride	ND	ug/l	50.	50.0	04/25/03 02:36	STC	56-23-5		
1,2-Dichloroethane	ND	ug/l	50.	50.0	04/25/03 02:36	STC	107-06-2		
Trichloroethene	ND	ug/l	50.	50.0	04/25/03 02:36	STC	79-01-6		
1,2-Dichloropropane	ND	ug/l	50.	50.0	04/25/03 02:36	STC	78-87-5		
Bromodichloromethane	ND	ug/l	50.	50.0	04/25/03 02:36	STC	75-27-4		
cis-1,3-Dichloropropene	ND	ug/l	50.	50.0	04/25/03 02:36	STC	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	50.	50.0	04/25/03 02:36	STC	10061-02-6		

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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

Lab Sample No: 922938808 Project Sample Number: 9243737-001 Date Collected: 04/22/03 12:30
Client Sample ID: TW-1 Matrix: Water Date Received: 04/24/03 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,1,2-Trichloroethane	ND	ug/l	50.	50.0	04/25/03 02:36	STC	79-00-5		
Tetrachloroethene	ND	ug/l	50.	50.0	04/25/03 02:36	STC	127-18-4		
Dibromochloromethane	ND	ug/l	50.	50.0	04/25/03 02:36	STC	124-48-1		
Bromoform	ND	ug/l	50.	50.0	04/25/03 02:36	STC	75-25-2		
1,1,2,2-Tetrachloroethane	ND	ug/l	50.	50.0	04/25/03 02:36	STC	79-34-5		
Methyl-tert-butyl ether	630	ug/l	50.	50.0	04/25/03 02:36	STC	1634-04-4		
Diisopropyl ether	ND	ug/l	50.	50.0	04/25/03 02:36	STC	108-20-3		
Benzene	250	ug/l	50.	50.0	04/25/03 02:36	STC	71-43-2		
Toluene	240	ug/l	50.	50.0	04/25/03 02:36	STC	108-88-3		
Chlorobenzene	ND	ug/l	50.	50.0	04/25/03 02:36	STC	108-90-7		
Ethylbenzene	830	ug/l	50.	50.0	04/25/03 02:36	STC	100-41-4		
m&p-Xylene	2000	ug/l	50.	50.0	04/25/03 02:36	STC			
o-Xylene	560	ug/l	50.	50.0	04/25/03 02:36	STC	95-47-6		
1,3-Dichlorobenzene	ND	ug/l	50.	50.0	04/25/03 02:36	STC	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	50.	50.0	04/25/03 02:36	STC	106-46-7		
1,2-Dichlorobenzene	ND	ug/l	50.	50.0	04/25/03 02:36	STC	95-50-1		
1-Chloro-3-fluorobenzene (S)	93	%		1.0	04/25/03 02:36	STC	625-98-9		

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Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

Lab Sample No: 922938816 Project Sample Number: 9243737-002 Date Collected: 04/22/03 13:00
Client Sample ID: TW-2 Matrix: Water Date Received: 04/24/03 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
3030C Metals, ICP, Trace	Prep/Method: SM 3030C / EPA 200.7								
Lead, 3030C	ND	mg/l	0.0050	1.0	04/26/03 23:57	CBJ	7439-92-1		
Date Digested	04/25/03				04/25/03				
GC Semivolatiles									
EDB and DBCP in Water	Method: EPA 504.1								
1,2-Dibromoethane (EDB)	ND	ug/l	0.020	1.0	04/29/03 16:48	CBE	106-93-4		
1-Chloro-2-bromopropane (S)	70	%		1.0	04/29/03 16:48	CBE	301-79-56		
VPH in Water by Mass. Method	Method: VPH								
Aliphatic (C05-C08)	19000	ug/l	100	1.0	04/28/03 11:17	KSB			
Aliphatic (C09-C12)	53000	ug/l	100	1.0	04/28/03 11:17	KSB			
Aromatic (C09-C10)	2100	ug/l	100	1.0	04/28/03 11:17	KSB			
2,5-Dibromotoluene (FID)(S)	174	%		1.0	04/28/03 11:17	KSB		1	
2,5-Dibromotoluene (PID)(S)	139	%		1.0	04/28/03 11:17	KSB		1	
GC Volatiles									
Halogen. & Aromatic Vol. Orgs.	Method: EPA 601/602								
Dichlorodifluoromethane	ND	ug/l	50.	50.0	04/25/03 03:17	STC	75-71-8		
Chloromethane	ND	ug/l	100	50.0	04/25/03 03:17	STC	74-87-3		
Vinyl chloride	ND	ug/l	50.	50.0	04/25/03 03:17	STC	75-01-4		
Bromomethane	ND	ug/l	50.	50.0	04/25/03 03:17	STC	74-83-9		
Chloroethane	ND	ug/l	50.	50.0	04/25/03 03:17	STC	75-00-3		
Trichlorofluoromethane	ND	ug/l	50.	50.0	04/25/03 03:17	STC	75-69-4		
1,1-Dichloroethene	ND	ug/l	50.	50.0	04/25/03 03:17	STC	75-35-4		
Methylene chloride	ND	ug/l	100	50.0	04/25/03 03:17	STC	75-09-2		
trans-1,2-Dichloroethene	ND	ug/l	50.	50.0	04/25/03 03:17	STC	156-60-5		
1,1-Dichloroethane	ND	ug/l	50.	50.0	04/25/03 03:17	STC	75-34-3		
Chloroform	ND	ug/l	50.	50.0	04/25/03 03:17	STC	67-66-3		
1,1,1-Trichloroethane	ND	ug/l	50.	50.0	04/25/03 03:17	STC	71-55-6		
Carbon tetrachloride	ND	ug/l	50.	50.0	04/25/03 03:17	STC	56-23-5		
1,2-Dichloroethane	ND	ug/l	50.	50.0	04/25/03 03:17	STC	107-06-2		
Trichloroethene	ND	ug/l	50.	50.0	04/25/03 03:17	STC	79-01-6		
1,2-Dichloropropane	ND	ug/l	50.	50.0	04/25/03 03:17	STC	78-87-5		
Bromodichloromethane	ND	ug/l	50.	50.0	04/25/03 03:17	STC	75-27-4		
cis-1,3-Dichloropropene	ND	ug/l	50.	50.0	04/25/03 03:17	STC	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	50.	50.0	04/25/03 03:17	STC	10061-02-6		
1,1,2-Trichloroethane	ND	ug/l	50.	50.0	04/25/03 03:17	STC	79-00-5		

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9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

Lab Sample No: 922938816 Project Sample Number: 9243737-002 Date Collected: 04/22/03 13:00
Client Sample ID: TW-2 Matrix: Water Date Received: 04/24/03 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Tetrachloroethene	ND	ug/l	50.	50.0	04/25/03 03:17	STC	127-18-4		
Dibromochloromethane	ND	ug/l	50.	50.0	04/25/03 03:17	STC	124-48-1		
Bromoform	ND	ug/l	50.	50.0	04/25/03 03:17	STC	75-25-2		
1,1,2,2-Tetrachloroethane	ND	ug/l	50.	50.0	04/25/03 03:17	STC	79-34-5		
Methyl-tert-butyl ether	770	ug/l	50.	50.0	04/25/03 03:17	STC	1634-04-4		
Diisopropyl ether	770	ug/l	50.	50.0	04/25/03 03:17	STC	108-20-3		
Benzene	1600	ug/l	50.	50.0	04/25/03 03:17	STC	71-43-2		
Toluene	19000	ug/l	500	500	04/25/03 03:17	STC	108-88-3		
Chlorobenzene	ND	ug/l	50.	50.0	04/25/03 03:17	STC	108-90-7		
Ethylbenzene	2200	ug/l	50.	50.0	04/25/03 03:17	STC	100-41-4		
m&p-Xylene	11000	ug/l	500	500	04/25/03 03:17	STC			
o-Xylene	5100	ug/l	500	500	04/25/03 03:17	STC	95-47-6		
1,3-Dichlorobenzene	ND	ug/l	50.	50.0	04/25/03 03:17	STC	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	50.	50.0	04/25/03 03:17	STC	106-46-7		
1,2-Dichlorobenzene	ND	ug/l	50.	50.0	04/25/03 03:17	STC	95-50-1		
1-Chloro-3-fluorobenzene (S)	88	%		1.0	04/25/03 03:17	STC	625-98-9		

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Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

Lab Sample No: 922938824 Project Sample Number: 9243737-003 Date Collected: 04/16/03 12:45
Client Sample ID: TW1-6 Matrix: Soil Date Received: 04/24/03 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	21.4	%		1.0	04/24/03 22:25	CDE			
GC Semivolatiles									
VPH in Soil by Mass. Method	Method: VPH								
Aliphatic (C05-C08)	ND	mg/kg	13.	1.3	04/28/03 19:39	KSB			
Aliphatic (C09-C12)	38.	mg/kg	13.	1.3	04/28/03 19:39	KSB			
Aromatic (C09-C10)	15.	mg/kg	13.	1.3	04/28/03 19:39	KSB			
2,5-Dibromotoluene (FID)(S)	83	%		1.0	04/28/03 19:39	KSB			
2,5-Dibromotoluene (PID)(S)	73	%		1.0	04/28/03 19:39	KSB			
GC/MS Volatiles									
GC/MS VOCs 5035/8260 low level	Method: EPA 8260								
Benzene	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	71-43-2		
Bromobenzene	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	108-86-1		
Bromochloromethane	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	74-97-5		
Bromodichloromethane	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	75-27-4		
Bromoform	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	75-25-2		
Bromomethane	ND	ug/kg	520	52.3	04/26/03 00:42	BCK	74-83-9		
n-Butylbenzene	280	ug/kg	260	52.3	04/26/03 00:42	BCK	104-51-8		
sec-Butylbenzene	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	135-98-8		
tert-Butylbenzene	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	98-06-6		
Carbon tetrachloride	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	56-23-5		
Chlorobenzene	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	108-90-7		
Chloroethane	ND	ug/kg	520	52.3	04/26/03 00:42	BCK	75-00-3		
Chloroform	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	67-66-3		
Chloromethane	ND	ug/kg	520	52.3	04/26/03 00:42	BCK	74-87-3		
2-Chlorotoluene	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	95-49-8		
4-Chlorotoluene	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	96-12-8		
Dibromochloromethane	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	106-93-4		
Dibromomethane	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	520	52.3	04/26/03 00:42	BCK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	75-34-3		

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Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

Lab Sample No: 922938824 Project Sample Number: 9243737-003 Date Collected: 04/16/03 12:45
Client Sample ID: TW1-6 Matrix: Soil Date Received: 04/24/03 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dichloroethane	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	563-58-6		
Diisopropyl ether	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	108-20-3		
Ethylbenzene	1300	ug/kg	260	52.3	04/26/03 00:42	BCK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	87-68-3		
Isopropylbenzene (Cumene)	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	98-82-8		
p-Isopropyltoluene	770	ug/kg	260	52.3	04/26/03 00:42	BCK	99-87-6		
Methylene chloride	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	75-09-2		
Methyl-tert-butyl ether	840	ug/kg	260	52.3	04/26/03 00:42	BCK	1634-04-4		
Naphthalene	1200	ug/kg	260	52.3	04/26/03 00:42	BCK	91-20-3		
n-Propylbenzene	500	ug/kg	260	52.3	04/26/03 00:42	BCK	103-65-1		
Styrene	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	79-34-5		
Tetrachloroethene	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	127-18-4		
Toluene	560	ug/kg	260	52.3	04/26/03 00:42	BCK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	79-00-5		
Trichloroethene	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	260	52.3	04/26/03 00:42	BCK	96-18-4		
1,2,4-Trimethylbenzene	4100	ug/kg	260	52.3	04/26/03 00:42	BCK	95-63-6		
1,3,5-Trimethylbenzene	4100	ug/kg	260	52.3	04/26/03 00:42	BCK	108-67-8		
Vinyl chloride	ND	ug/kg	520	52.3	04/26/03 00:42	BCK	75-01-4		
m&p-Xylene	5000	ug/kg	520	52.3	04/26/03 00:42	BCK			
o-Xylene	730	ug/kg	260	52.3	04/26/03 00:42	BCK	95-47-6		
Toluene-d8 (S)	99	%		1.0	04/26/03 00:42	BCK	2037-26-5		
4-Bromofluorobenzene (S)	98	%		1.0	04/26/03 00:42	BCK	460-00-4		
Dibromofluoromethane (S)	95	%		1.0	04/26/03 00:42	BCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	91	%		1.0	04/26/03 00:42	BCK	17060-07-0		

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Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

Lab Sample No: 922938832 Project Sample Number: 9243737-004 Date Collected: 04/16/03 14:00
Client Sample ID: TW2-1 Matrix: Soil Date Received: 04/24/03 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	18.1	%		1.0	04/24/03 22:26	CDE			
GC Semivolatiles									
VPH in Soil by Mass. Method	Method: VPH								
Aliphatic (C05-C08)	ND	mg/kg	12.	1.2	04/28/03 20:24	KSB			
Aliphatic (C09-C12)	ND	mg/kg	12.	1.2	04/28/03 20:24	KSB			
Aromatic (C09-C10)	ND	mg/kg	12.	1.2	04/28/03 20:24	KSB			
2,5-Dibromotoluene (FID)(S)	76	%		1.0	04/28/03 20:24	KSB			
2,5-Dibromotoluene (PID)(S)	74	%		1.0	04/28/03 20:24	KSB			
GC/MS Volatiles									
GC/MS VOCs 5035/8260 low level	Method: EPA 8260								
Benzene	47.	ug/kg	4.8	1.0	04/26/03 00:59	BCK	71-43-2		
Bromobenzene	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	108-86-1		
Bromochloromethane	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	74-97-5		
Bromodichloromethane	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	75-27-4		
Bromoform	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	75-25-2		
Bromomethane	ND	ug/kg	9.6	1.0	04/26/03 00:59	BCK	74-83-9		
n-Butylbenzene	660	ug/kg	240	48.0	04/26/03 00:59	BCK	104-51-8		
sec-Butylbenzene	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	135-98-8		
tert-Butylbenzene	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	98-06-6		
Carbon tetrachloride	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	56-23-5		
Chlorobenzene	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	108-90-7		
Chloroethane	ND	ug/kg	9.6	1.0	04/26/03 00:59	BCK	75-00-3		
Chloroform	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	67-66-3		
Chloromethane	ND	ug/kg	9.6	1.0	04/26/03 00:59	BCK	74-87-3		
2-Chlorotoluene	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	95-49-8		
4-Chlorotoluene	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	96-12-8		
Dibromochloromethane	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	106-93-4		
Dibromomethane	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	9.6	1.0	04/26/03 00:59	BCK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	75-34-3		

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Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

Lab Sample No: 922938832 Project Sample Number: 9243737-004 Date Collected: 04/16/03 14:00
Client Sample ID: TW2-1 Matrix: Soil Date Received: 04/24/03 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dichloroethane	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	563-58-6		
Diisopropyl ether	160	ug/kg	4.8	1.0	04/26/03 00:59	BCK	108-20-3		
Ethylbenzene	74.	ug/kg	4.8	1.0	04/26/03 00:59	BCK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	87-68-3		
Isopropylbenzene (Cumene)	5.8	ug/kg	4.8	1.0	04/26/03 00:59	BCK	98-82-8		
p-Isopropyltoluene	9.8	ug/kg	4.8	1.0	04/26/03 00:59	BCK	99-87-6		
Methylene chloride	5.1	ug/kg	4.8	1.0	04/26/03 00:59	BCK	75-09-2		
Methyl-tert-butyl ether	4100	ug/kg	240	48.0	04/26/03 00:59	BCK	1634-04-4		
Naphthalene	80.	ug/kg	4.8	1.0	04/26/03 00:59	BCK	91-20-3		
n-Propylbenzene	24.	ug/kg	4.8	1.0	04/26/03 00:59	BCK	103-65-1		
Styrene	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	79-34-5		
Tetrachloroethene	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	127-18-4		
Toluene	60.	ug/kg	4.8	1.0	04/26/03 00:59	BCK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	79-00-5		
Trichloroethene	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	4.8	1.0	04/26/03 00:59	BCK	96-18-4		
1,2,4-Trimethylbenzene	6500	ug/kg	240	48.0	04/26/03 00:59	BCK	95-63-6		
1,3,5-Trimethylbenzene	4900	ug/kg	240	48.0	04/26/03 00:59	BCK	108-67-8		
Vinyl chloride	ND	ug/kg	9.6	1.0	04/26/03 00:59	BCK	75-01-4		
m&p-Xylene	280	ug/kg	9.6	1.0	04/26/03 00:59	BCK			
o-Xylene	33.	ug/kg	4.8	1.0	04/26/03 00:59	BCK	95-47-6		
Toluene-d8 (S)	97	%		1.0	04/26/03 00:59	BCK	2037-26-5		
4-Bromofluorobenzene (S)	89	%		1.0	04/26/03 00:59	BCK	460-00-4		
Dibromofluoromethane (S)	99	%		1.0	04/26/03 00:59	BCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	97	%		1.0	04/26/03 00:59	BCK	17060-07-0		

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Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

PARAMETER FOOTNOTES

Dilution factor shown represents the factor applied to the reported result and reporting limit due to changes in sample preparation, dilution of the extract, or moisture content

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
(S)	Surrogate
[1]	The surrogate recovery was outside QC acceptance limits due to matrix interference.

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QUALITY CONTROL DATA

Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

QC Batch: 73525 Analysis Method: VPH
QC Batch Method: VPH Analysis Description: VPH in Water by Mass. Method
Associated Lab Samples: 922938808 922938816

METHOD BLANK: 922944293
Associated Lab Samples: 922938808 922938816

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Aliphatic (C05-C08)	ug/l	ND	100	
Aliphatic (C09-C12)	ug/l	ND	100	
Aromatic (C09-C10)	ug/l	ND	100	
2,5-Dibromotoluene (FID)(S)	%	85		
2,5-Dibromotoluene (PID)(S)	%	87		

LABORATORY CONTROL SAMPLE & LCSD: 922944301 922944319

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	RPD	Footnotes
Aliphatic (C05-C08)	ug/l	160.00	123.2	120.7	77	75	2	
Aliphatic (C09-C12)	ug/l	40.00	33.77	34.72	84	87	3	
Aromatic (C09-C10)	ug/l	40.00	49.92	46.43	125	116	7	
2,5-Dibromotoluene (FID)(S)					98	113		
2,5-Dibromotoluene (PID)(S)					93	96		

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QUALITY CONTROL DATA

Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

QC Batch: 73526 Analysis Method: VPH
QC Batch Method: VPH Analysis Description: VPH in Soil by Mass. Method
Associated Lab Samples: 922938824 922938832

METHOD BLANK: 922944327
Associated Lab Samples: 922938824 922938832

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Aliphatic (C05-C08)	mg/kg	ND	10.	
Aliphatic (C09-C12)	mg/kg	ND	10.	
Aromatic (C09-C10)	mg/kg	ND	10.	
2,5-Dibromotoluene (FID)(S)	%	89		
2,5-Dibromotoluene (PID)(S)	%	91		

LABORATORY CONTROL SAMPLE & LCSD: 922944335 922944343

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	RPD	Footnotes
Aliphatic (C05-C08)	mg/kg	8.000	7.223	6.978	90	87	3	
Aliphatic (C09-C12)	mg/kg	2.000	2.167	2.035	108	102	6	
Aromatic (C09-C10)	mg/kg	2.000	2.434	2.405	122	120	1	
2,5-Dibromotoluene (FID)(S)					80	87		
2,5-Dibromotoluene (PID)(S)					70	97		

MATRIX SPIKE: 922944772

Parameter	Units	922934716 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Aliphatic (C05-C08)	mg/kg	0.6121	10.47	9.349	84	
Aliphatic (C09-C12)	mg/kg	0	2.616	2.681	102	
Aromatic (C09-C10)	mg/kg	0.9364	2.616	3.199	86	
2,5-Dibromotoluene (FID)(S)					95	
2,5-Dibromotoluene (PID)(S)					108	

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QUALITY CONTROL DATA

Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

QC Batch: 73586 Analysis Method: EPA 504.1
QC Batch Method: EPA 504.1 Analysis Description: EDB and DBCP in Water
Associated Lab Samples: 922938808 922938816

METHOD BLANK: 922946017
Associated Lab Samples: 922938808 922938816

Parameter	Units	Blank Result	Reporting Limit	Footnotes
1,2-Dibromoethane (EDB)	ug/l	ND	0.020	
1-Chloro-2-bromopropane (S)	%	116		

LABORATORY CONTROL SAMPLE & LCSD: 922946025 922946033

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	RPD	Footnotes
1,2-Dibromoethane (EDB)	ug/l	0.2500	0.2498	0.3314	100	133	28	1
1-Chloro-2-bromopropane (S)					97	122		

MATRIX SPIKE: 922946041

Parameter	Units	922933585 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
1,2-Dibromoethane (EDB)	ug/l	0	0.2500	0.4389	176	2
1-Chloro-2-bromopropane (S)					68	

SAMPLE DUPLICATE: 922946058

Parameter	Units	922933593 Result	DUP Result	RPD	Footnotes
1,2-Dibromoethane (EDB)	ug/l	ND	ND	NC	
1-Chloro-2-bromopropane (S)	%	73	63		

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QUALITY CONTROL DATA

Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

QC Batch: 73416 Analysis Method: EPA 601/602
QC Batch Method: EPA 601/602 Analysis Description: Halogen. & Aromatic Vol. Orgs.
Associated Lab Samples: 922938808 922938816

METHOD BLANK: 922939665
Associated Lab Samples: 922938808 922938816

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Dichlorodifluoromethane	ug/l	ND	1.0	
Chloromethane	ug/l	ND	2.0	
Vinyl chloride	ug/l	ND	1.0	
Bromomethane	ug/l	ND	1.0	
Chloroethane	ug/l	ND	1.0	
Trichlorofluoromethane	ug/l	ND	1.0	
1,1-Dichloroethene	ug/l	ND	1.0	
Methylene chloride	ug/l	ND	2.0	
trans-1,2-Dichloroethene	ug/l	ND	1.0	
1,1-Dichloroethane	ug/l	ND	1.0	
Chloroform	ug/l	ND	1.0	
1,1,1-Trichloroethane	ug/l	ND	1.0	
Carbon tetrachloride	ug/l	ND	1.0	
1,2-Dichloroethane	ug/l	ND	1.0	
Trichloroethene	ug/l	ND	1.0	
1,2-Dichloropropane	ug/l	ND	1.0	
Bromodichloromethane	ug/l	ND	1.0	
cis-1,3-Dichloropropene	ug/l	ND	1.0	
trans-1,3-Dichloropropene	ug/l	ND	1.0	
1,1,2-Trichloroethane	ug/l	ND	1.0	
Tetrachloroethene	ug/l	ND	1.0	
Dibromochloromethane	ug/l	ND	1.0	
Bromoform	ug/l	ND	1.0	
1,1,2,2-Tetrachloroethane	ug/l	ND	1.0	
Methyl-tert-butyl ether	ug/l	ND	1.0	
Diisopropyl ether	ug/l	ND	1.0	
Benzene	ug/l	ND	1.0	
Toluene	ug/l	ND	1.0	
Chlorobenzene	ug/l	ND	1.0	
Ethylbenzene	ug/l	ND	1.0	
m&p-Xylene	ug/l	ND	1.0	

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QUALITY CONTROL DATA

Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

METHOD BLANK: 922939665
Associated Lab Samples: 922938808 922938816

Parameter	Units	Blank Result	Reporting Limit	Footnotes
o-Xylene	ug/l	ND	1.0	
1,3-Dichlorobenzene	ug/l	ND	1.0	
1,4-Dichlorobenzene	ug/l	ND	1.0	
1,2-Dichlorobenzene	ug/l	ND	1.0	
1-Chloro-3-fluorobenzene (S)	%	84		

LABORATORY CONTROL SAMPLE: 922939673

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Dichlorodifluoromethane	ug/l	20.00	26.21	131	
Chloromethane	ug/l	20.00	15.27	76	
Vinyl chloride	ug/l	20.00	22.54	113	
Bromomethane	ug/l	20.00	17.31	86	
Chloroethane	ug/l	20.00	19.68	98	
Trichlorofluoromethane	ug/l	20.00	19.06	95	
1,1-Dichloroethene	ug/l	20.00	21.49	107	
Methylene chloride	ug/l	20.00	18.83	94	
trans-1,2-Dichloroethene	ug/l	20.00	19.00	95	
1,1-Dichloroethane	ug/l	20.00	19.15	96	
Chloroform	ug/l	20.00	20.40	102	
1,1,1-Trichloroethane	ug/l	20.00	19.71	98	
Carbon tetrachloride	ug/l	20.00	19.56	98	
1,2-Dichloroethane	ug/l	20.00	17.90	90	
Trichloroethene	ug/l	20.00	19.96	100	
1,2-Dichloropropane	ug/l	20.00	18.30	92	
Bromodichloromethane	ug/l	20.00	20.18	101	
cis-1,3-Dichloropropene	ug/l	20.00	18.00	90	
trans-1,3-Dichloropropene	ug/l	20.00	18.10	90	
1,1,2-Trichloroethane	ug/l	20.00	18.41	92	
Tetrachloroethene	ug/l	20.00	17.17	86	
Dibromochloromethane	ug/l	20.00	19.36	97	
Bromoform	ug/l	20.00	21.31	107	
1,1,2,2-Tetrachloroethane	ug/l	20.00	20.28	101	
Methyl-tert-butyl ether	ug/l	20.00	19.05	95	

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QUALITY CONTROL DATA

Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

LABORATORY CONTROL SAMPLE: 922939673

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Diisopropyl ether	ug/l	20.00	18.26	91	
Benzene	ug/l	20.00	18.57	93	
Toluene	ug/l	20.00	17.70	88	
Chlorobenzene	ug/l	20.00	18.15	91	
Ethylbenzene	ug/l	20.00	18.42	92	
m&p-Xylene	ug/l	40.00	36.96	92	
o-Xylene	ug/l	20.00	18.41	92	
1,3-Dichlorobenzene	ug/l	20.00	19.15	96	
1,4-Dichlorobenzene	ug/l	20.00	19.19	96	
1,2-Dichlorobenzene	ug/l	20.00	19.56	98	
1-Chloro-3-fluorobenzene (S)				93	

MATRIX SPIKE: 922939681

Parameter	Units	922932413 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Dichlorodifluoromethane	ug/l	0	20.00	22.22	111	
Chloromethane	ug/l	0	20.00	13.40	67	
Vinyl chloride	ug/l	0	20.00	21.99	110	
Bromomethane	ug/l	0	20.00	17.46	87	
Chloroethane	ug/l	0	20.00	16.06	80	
Trichlorofluoromethane	ug/l	0	20.00	16.60	83	
1,1-Dichloroethene	ug/l	0	20.00	16.06	80	
Methylene chloride	ug/l	0	20.00	12.85	64	
trans-1,2-Dichloroethene	ug/l	0	20.00	13.35	67	
1,1-Dichloroethane	ug/l	0	20.00	16.99	85	
Chloroform	ug/l	0	20.00	15.21	76	
1,1,1-Trichloroethane	ug/l	0	20.00	15.09	76	
Carbon tetrachloride	ug/l	0	20.00	19.80	99	
1,2-Dichloroethane	ug/l	0	20.00	15.42	77	
Trichloroethene	ug/l	0	20.00	16.34	82	
1,2-Dichloropropane	ug/l	0	20.00	18.41	92	
Bromodichloromethane	ug/l	0	20.00	16.88	84	
cis-1,3-Dichloropropene	ug/l	0	20.00	14.19	71	
trans-1,3-Dichloropropene	ug/l	0	20.00	16.26	81	
1,1,2-Trichloroethane	ug/l	0	20.00	16.89	84	

Laboratory Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

REPORT OF LABORATORY ANALYSIS

Laboratory Certification IDs
LA Wastewater 04034
VA Drinking Water 213
FL NELAP E87627

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QUALITY CONTROL DATA

Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

MATRIX SPIKE: 922939681

Parameter	Units	922932413 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Tetrachloroethene	ug/l	0	20.00	15.98	80	
Dibromochloromethane	ug/l	0	20.00	17.45	87	
Bromoform	ug/l	0	20.00	20.10	100	
1,1,2,2-Tetrachloroethane	ug/l	0	20.00	21.16	106	
Methyl-tert-butyl ether	ug/l	0	20.00	14.94	75	
Diisopropyl ether	ug/l	0	20.00	18.54	93	
Benzene	ug/l	0	20.00	17.88	89	
Toluene	ug/l	0	20.00	18.90	94	
Chlorobenzene	ug/l	0	20.00	19.76	99	
Ethylbenzene	ug/l	0	20.00	20.01	100	
m&p-Xylene	ug/l	0	40.00	39.82	100	
o-Xylene	ug/l	0	20.00	19.77	99	
1,3-Dichlorobenzene	ug/l	0	20.00	20.31	102	
1,4-Dichlorobenzene	ug/l	0	20.00	20.79	104	
1,2-Dichlorobenzene	ug/l	0	20.00	21.56	108	
1-Chloro-3-fluorobenzene (S)					103	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 922939699 922939707

Parameter	Units	922934070 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Dichlorodifluoromethane	ug/l	0	20.00	22.42	19.24	112	96	15	
Chloromethane	ug/l	0	20.00	21.59	21.76	108	109	1	
Vinyl chloride	ug/l	0	20.00	23.69	22.71	118	114	4	
Bromomethane	ug/l	0	20.00	16.28	18.50	81	92	13	
Chloroethane	ug/l	0	20.00	15.69	14.49	78	72	8	
Trichlorofluoromethane	ug/l	0	20.00	15.87	16.31	79	82	3	
1,1-Dichloroethene	ug/l	0	20.00	17.70	16.06	88	80	10	
Methylene chloride	ug/l	0	20.00	13.97	13.09	70	66	6	
trans-1,2-Dichloroethene	ug/l	0	20.00	16.33	15.25	82	76	7	
1,1-Dichloroethane	ug/l	0	20.00	17.06	17.12	85	86	0	
Chloroform	ug/l	0	20.00	17.59	17.82	88	89	1	
1,1,1-Trichloroethane	ug/l	0	20.00	17.63	17.69	88	88	0	
Carbon tetrachloride	ug/l	0	20.00	17.06	17.14	85	86	1	
1,2-Dichloroethane	ug/l	0	20.00	16.12	16.45	81	82	2	
Trichloroethene	ug/l	0	20.00	18.73	19.07	94	95	2	

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QUALITY CONTROL DATA

Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 922939699 922939707

Parameter	Units	922934070 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
1,2-Dichloropropane	ug/l	0	20.00	17.42	17.22	87	86	1	
Bromodichloromethane	ug/l	0	20.00	18.58	18.54	93	93	0	
cis-1,3-Dichloropropene	ug/l	0	20.00	15.17	15.49	76	78	2	
trans-1,3-Dichloropropene	ug/l	0	20.00	16.67	17.80	83	89	7	
1,1,2-Trichloroethane	ug/l	0	20.00	17.46	18.23	87	91	4	
Tetrachloroethene	ug/l	0	20.00	17.22	17.71	86	88	3	
Dibromochloromethane	ug/l	0	20.00	18.04	17.63	90	88	2	
Bromoform	ug/l	0	20.00	19.92	19.25	100	96	3	
1,1,2,2-Tetrachloroethane	ug/l	0	20.00	17.87	18.71	89	94	5	
Methyl-tert-butyl ether	ug/l	0	20.00	17.45	17.40	87	87	0	
Diisopropyl ether	ug/l	0	20.00	18.16	17.81	91	89	2	
Benzene	ug/l	0	20.00	18.91	18.45	94	92	2	
Toluene	ug/l	0	20.00	18.85	19.24	94	96	2	
Chlorobenzene	ug/l	0	20.00	19.50	19.96	98	100	2	
Ethylbenzene	ug/l	0	20.00	20.08	20.48	100	102	2	
m&p-Xylene	ug/l	0	40.00	39.44	40.11	99	100	2	
o-Xylene	ug/l	0	20.00	19.56	20.02	98	100	2	
1,3-Dichlorobenzene	ug/l	0	20.00	20.54	20.86	103	104	2	
1,4-Dichlorobenzene	ug/l	0	20.00	19.75	21.25	99	106	7	
1,2-Dichlorobenzene	ug/l	0	20.00	20.26	21.08	101	105	4	
1-Chloro-3-fluorobenzene (S)						100	102		

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QUALITY CONTROL DATA

Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

QC Batch: 73460 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: GC/MS VOCs 5035/8260 low level
Associated Lab Samples: 922938824 922938832

METHOD BLANK: 922941653
Associated Lab Samples: 922938824 922938832

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Benzene	ug/kg	ND	5.0	
Bromobenzene	ug/kg	ND	5.0	
Bromochloromethane	ug/kg	ND	5.0	
Bromodichloromethane	ug/kg	ND	5.0	
Bromoform	ug/kg	ND	5.0	
Bromomethane	ug/kg	ND	10.	
n-Butylbenzene	ug/kg	ND	5.0	
sec-Butylbenzene	ug/kg	ND	5.0	
tert-Butylbenzene	ug/kg	ND	5.0	
Carbon tetrachloride	ug/kg	ND	5.0	
Chlorobenzene	ug/kg	ND	5.0	
Chloroethane	ug/kg	ND	10.	
Chloroform	ug/kg	ND	5.0	
Chloromethane	ug/kg	ND	10.	
2-Chlorotoluene	ug/kg	ND	5.0	
4-Chlorotoluene	ug/kg	ND	5.0	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	
Dibromochloromethane	ug/kg	ND	5.0	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	
Dibromomethane	ug/kg	ND	5.0	
1,2-Dichlorobenzene	ug/kg	ND	5.0	
1,3-Dichlorobenzene	ug/kg	ND	5.0	
1,4-Dichlorobenzene	ug/kg	ND	5.0	
Dichlorodifluoromethane	ug/kg	ND	10.	
1,1-Dichloroethane	ug/kg	ND	5.0	
1,2-Dichloroethane	ug/kg	ND	5.0	
1,1-Dichloroethene	ug/kg	ND	5.0	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	
1,2-Dichloropropane	ug/kg	ND	5.0	
1,3-Dichloropropane	ug/kg	ND	5.0	

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QUALITY CONTROL DATA

Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

METHOD BLANK: 922941653
Associated Lab Samples: 922938824 922938832

Parameter	Units	Blank Result	Reporting Limit	Footnotes
2,2-Dichloropropane	ug/kg	ND	5.0	
1,1-Dichloropropene	ug/kg	ND	5.0	
Diisopropyl ether	ug/kg	ND	5.0	
Ethylbenzene	ug/kg	ND	5.0	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	
p-Isopropyltoluene	ug/kg	ND	5.0	
Methylene chloride	ug/kg	ND	5.0	
Methyl-tert-butyl ether	ug/kg	ND	5.0	
Naphthalene	ug/kg	ND	5.0	
n-Propylbenzene	ug/kg	ND	5.0	
Styrene	ug/kg	ND	5.0	
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	
Tetrachloroethene	ug/kg	ND	5.0	
Toluene	ug/kg	ND	5.0	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	
1,1,1-Trichloroethane	ug/kg	ND	5.0	
1,1,2-Trichloroethane	ug/kg	ND	5.0	
Trichloroethene	ug/kg	ND	5.0	
Trichlorofluoromethane	ug/kg	ND	5.0	
1,2,3-Trichloropropane	ug/kg	ND	5.0	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	
Vinyl chloride	ug/kg	ND	10.	
m&p-Xylene	ug/kg	ND	10.	
o-Xylene	ug/kg	ND	5.0	
Toluene-d8 (S)	%	100		
4-Bromofluorobenzene (S)	%	99		
Dibromofluoromethane (S)	%	100		
1,2-Dichloroethane-d4 (S)	%	98		

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QUALITY CONTROL DATA

Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

LABORATORY CONTROL SAMPLE: 922941661

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Benzene	ug/kg	50.00	47.71	95	
Bromobenzene	ug/kg	50.00	48.11	96	
Bromochloromethane	ug/kg	50.00	48.38	97	
Bromodichloromethane	ug/kg	50.00	44.94	90	
Bromoform	ug/kg	50.00	50.16	100	
Bromomethane	ug/kg	50.00	58.57	117	
n-Butylbenzene	ug/kg	50.00	50.06	100	
sec-Butylbenzene	ug/kg	50.00	50.38	101	
tert-Butylbenzene	ug/kg	50.00	49.55	99	
Carbon tetrachloride	ug/kg	50.00	49.18	98	
Chlorobenzene	ug/kg	50.00	49.22	98	
Chloroethane	ug/kg	50.00	58.11	116	
Chloroform	ug/kg	50.00	48.06	96	
Chloromethane	ug/kg	50.00	40.00	80	
2-Chlorotoluene	ug/kg	50.00	48.92	98	
4-Chlorotoluene	ug/kg	50.00	49.28	99	
1,2-Dibromo-3-chloropropane	ug/kg	50.00	47.16	94	
Dibromochloromethane	ug/kg	50.00	48.24	96	
1,2-Dibromoethane (EDB)	ug/kg	50.00	48.48	97	
Dibromomethane	ug/kg	50.00	48.34	97	
1,2-Dichlorobenzene	ug/kg	50.00	48.64	97	
1,3-Dichlorobenzene	ug/kg	50.00	49.34	99	
1,4-Dichlorobenzene	ug/kg	50.00	48.37	97	
Dichlorodifluoromethane	ug/kg	50.00	50.97	102	
1,1-Dichloroethane	ug/kg	50.00	47.05	94	
1,2-Dichloroethane	ug/kg	50.00	46.40	93	
1,1-Dichloroethene	ug/kg	50.00	48.31	97	
cis-1,2-Dichloroethene	ug/kg	50.00	46.24	92	
trans-1,2-Dichloroethene	ug/kg	50.00	46.63	93	
1,2-Dichloropropane	ug/kg	50.00	48.48	97	
1,3-Dichloropropane	ug/kg	50.00	47.99	96	
2,2-Dichloropropane	ug/kg	50.00	48.47	97	
1,1-Dichloropropene	ug/kg	50.00	47.03	94	
Diisopropyl ether	ug/kg	50.00	47.90	96	
Ethylbenzene	ug/kg	50.00	48.98	98	
Hexachloro-1,3-butadiene	ug/kg	50.00	47.28	95	
Isopropylbenzene (Cumene)	ug/kg	50.00	49.17	98	

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QUALITY CONTROL DATA

Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

LABORATORY CONTROL SAMPLE: 922941661

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
p-Isopropyltoluene	ug/kg	50.00	48.88	98	
Methylene chloride	ug/kg	50.00	44.12	88	
Methyl-tert-butyl ether	ug/kg	50.00	50.36	101	
Naphthalene	ug/kg	50.00	46.66	93	
n-Propylbenzene	ug/kg	50.00	48.15	96	
Styrene	ug/kg	50.00	49.88	100	
1,1,1,2-Tetrachloroethane	ug/kg	50.00	48.74	98	
1,1,2,2-Tetrachloroethane	ug/kg	50.00	48.29	97	
Tetrachloroethene	ug/kg	50.00	48.30	97	
Toluene	ug/kg	50.00	46.84	94	
1,2,3-Trichlorobenzene	ug/kg	50.00	48.83	98	
1,2,4-Trichlorobenzene	ug/kg	50.00	49.81	100	
1,1,1-Trichloroethane	ug/kg	50.00	46.93	94	
1,1,2-Trichloroethane	ug/kg	50.00	48.12	96	
Trichloroethene	ug/kg	50.00	47.72	95	
Trichlorofluoromethane	ug/kg	50.00	44.43	89	
1,2,3-Trichloropropane	ug/kg	50.00	48.32	97	
1,2,4-Trimethylbenzene	ug/kg	50.00	49.09	98	
1,3,5-Trimethylbenzene	ug/kg	50.00	49.21	98	
Vinyl chloride	ug/kg	50.00	43.21	86	
m&p-Xylene	ug/kg	100.00	98.92	99	
o-Xylene	ug/kg	50.00	49.73	100	
Toluene-d8 (S)				100	
4-Bromofluorobenzene (S)				100	
Dibromofluoromethane (S)				99	
1,2-Dichloroethane-d4 (S)				100	

MATRIX SPIKE: 922945613

Parameter	Units	922932678 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Benzene	ug/kg	15.27	57.67	71.48	98	
Chlorobenzene	ug/kg	0	57.67	56.46	98	
1,1-Dichloroethene	ug/kg	0	57.67	65.57	114	
Toluene	ug/kg	7.203	57.67	56.29	85	
Trichloroethene	ug/kg	0	57.67	56.98	99	

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QUALITY CONTROL DATA

Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

MATRIX SPIKE: 922945613

Parameter	Units	922932678 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Toluene-d8 (S)					95	
4-Bromofluorobenzene (S)					90	
Dibromofluoromethane (S)					103	
1,2-Dichloroethane-d4 (S)					100	

SAMPLE DUPLICATE: 922945605

Parameter	Units	922932660 Result	DUP Result	RPD	Footnotes
Benzene	ug/kg	ND	ND	NC	
Bromobenzene	ug/kg	ND	ND	NC	
Bromochloromethane	ug/kg	ND	ND	NC	
Bromodichloromethane	ug/kg	ND	ND	NC	
Bromoform	ug/kg	ND	ND	NC	
Bromomethane	ug/kg	ND	ND	NC	
n-Butylbenzene	ug/kg	ND	ND	NC	
sec-Butylbenzene	ug/kg	ND	ND	NC	
tert-Butylbenzene	ug/kg	ND	ND	NC	
Carbon tetrachloride	ug/kg	ND	ND	NC	
Chlorobenzene	ug/kg	ND	ND	NC	
Chloroethane	ug/kg	ND	ND	NC	
Chloroform	ug/kg	ND	ND	NC	
Chloromethane	ug/kg	ND	ND	NC	
2-Chlorotoluene	ug/kg	ND	ND	NC	
4-Chlorotoluene	ug/kg	ND	ND	NC	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND	NC	
Dibromochloromethane	ug/kg	ND	ND	NC	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND	NC	
Dibromomethane	ug/kg	ND	ND	NC	
1,2-Dichlorobenzene	ug/kg	ND	ND	NC	
1,3-Dichlorobenzene	ug/kg	ND	ND	NC	
1,4-Dichlorobenzene	ug/kg	ND	ND	NC	
Dichlorodifluoromethane	ug/kg	ND	ND	NC	
1,1-Dichloroethane	ug/kg	ND	ND	NC	
1,2-Dichloroethane	ug/kg	ND	ND	NC	
1,1-Dichloroethene	ug/kg	ND	ND	NC	

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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

QUALITY CONTROL DATA

Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

SAMPLE DUPLICATE: 922945605

Parameter	Units	922932660 Result	DUP Result	RPD	Footnotes
cis-1,2-Dichloroethene	ug/kg	ND	ND	NC	
trans-1,2-Dichloroethene	ug/kg	ND	ND	NC	
1,2-Dichloropropane	ug/kg	ND	ND	NC	
1,3-Dichloropropane	ug/kg	ND	ND	NC	
2,2-Dichloropropane	ug/kg	ND	ND	NC	
1,1-Dichloropropene	ug/kg	ND	ND	NC	
Diisopropyl ether	ug/kg	ND	ND	NC	
Ethylbenzene	ug/kg	ND	ND	NC	
Hexachloro-1,3-butadiene	ug/kg	ND	ND	NC	
Isopropylbenzene (Cumene)	ug/kg	ND	ND	NC	
p-Isopropyltoluene	ug/kg	ND	ND	NC	
Methylene chloride	ug/kg	ND	ND	NC	
Methyl-tert-butyl ether	ug/kg	ND	ND	NC	
Naphthalene	ug/kg	ND	ND	NC	
n-Propylbenzene	ug/kg	ND	ND	NC	
Styrene	ug/kg	ND	ND	NC	
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND	NC	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND	NC	
Tetrachloroethene	ug/kg	ND	ND	NC	
Toluene	ug/kg	ND	ND	NC	
1,2,3-Trichlorobenzene	ug/kg	ND	ND	NC	
1,2,4-Trichlorobenzene	ug/kg	ND	ND	NC	
1,1,1-Trichloroethane	ug/kg	ND	ND	NC	
1,1,2-Trichloroethane	ug/kg	ND	ND	NC	
Trichloroethene	ug/kg	ND	ND	NC	
Trichlorofluoromethane	ug/kg	ND	ND	NC	
1,2,3-Trichloropropane	ug/kg	ND	ND	NC	
1,2,4-Trimethylbenzene	ug/kg	ND	ND	NC	
1,3,5-Trimethylbenzene	ug/kg	ND	ND	NC	
Vinyl chloride	ug/kg	ND	ND	NC	
m&p-Xylene	ug/kg	ND	ND	NC	
o-Xylene	ug/kg	ND	ND	NC	
Toluene-d8 (S)	%	97	97		
4-Bromofluorobenzene (S)	%	96	92		
Dibromofluoromethane (S)	%	128	112		
1,2-Dichloroethane-d4 (S)	%	122	103		

Date: 04/30/03

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QUALITY CONTROL DATA

Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

QC Batch: 73431 Analysis Method: EPA 200.7
QC Batch Method: SM 3030C Analysis Description: 3030C Metals, ICP, Trace
Associated Lab Samples: 922938808 922938816

METHOD BLANK: 922940093
Associated Lab Samples: 922938808 922938816

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Lead, 3030C	mg/l	ND	0.0050	

LABORATORY CONTROL SAMPLE: 922940101

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Lead, 3030C	mg/l	0.2500	0.2760	110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 922940119 922940127

Parameter	Units	922938808 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Lead, 3030C	mg/l	0.00256	0.2500	0.2840	0.2800	113	111	1	

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QUALITY CONTROL DATA

Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

QC Batch: 73418
QC Batch Method: .
Associated Lab Samples: 922938824 922938832

Analysis Method: % Moisture
Analysis Description: Percent Moisture

SAMPLE DUPLICATE: 922939798

Parameter	Units	922938436 Result	DUP Result	RPD	Footnotes
Percent Moisture	%	16.20	15.90	2	

SAMPLE DUPLICATE: 922939806

Parameter	Units	922938832 Result	DUP Result	RPD	Footnotes
Percent Moisture	%	18.10	17.70	3	

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Lab Project Number: 9243737
Client Project ID: Frank White Exxon 1584-03-049

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

LCS(D)	Laboratory Control Sample (Duplicate)
MS(D)	Matrix Spike (Duplicate)
DUP	Sample Duplicate
ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
RPD	Relative Percent Difference
(S)	Surrogate
[1]	RPD value was outside control limits, however both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
[2]	The surrogate and/or spike recovery was outside acceptance limits.

Laboratory Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

REPORT OF LABORATORY ANALYSIS

Laboratory Certification IDs
LA Wastewater 04034
VA Drinking Water 213
FL NELAP E87627

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

763032

Required Client Information: **Section A**

Company: S&ME
Address: 3718 Old Battleground Rd Greensboro NC 27410
Phone: 336 288-7180 Fax: 336 288 8980

Required Client Information: **Section B**

Report To: Wayne Watterson
Copy To:
Invoice To:
P.O.: 12274
Project Name: Frank White Exxon
Project Number: 184-03-049

Page: 1 of 1

Client Information (Check quote/contract):
Requested Due Date: 4/30/03 *TAT:

* Turn around times less than 14 days subject to laboratory and contractual obligations and may result in a Rush Turnaround Surcharge.
Turn Around Time (TAT) in calendar days.

To Be Completed by Pace Analytical and Client **Section C**

Quote Reference:
Project Manager: BK
Project #: 9243737
Profile #: 1723-6 & 1

Section D **Required Client Information:**

SAMPLE ID
One character per box.
(A–Z, 0–9 / .–)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
WATER	WT
SOIL	SL
OIL	OL
WIPE	WP
AIR	AR
TISSUE	TS
OTHER	OT

Requested Analysis: 602/602 | 504.1 | VPH | 3030C lead | 260

ITEM #	SAMPLE ID	MATRIX CODE	DATE COLLECTED mm / dd / yy	TIME COLLECTED hh:mm a/p	# Containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Remarks / Lab ID
1	TW-1	WT	04/22/03	1230p	12									9243600
2	TW-2	WT	04/22/03	100p	12									9243616
3	TB1-6	SL	4-22-03	12:45	6	1					2	3		9243624
4	TB2-1	SL	4-22-03	14:00	6	1					2	3		9243632
5														
6														
7														
8														
9														
10														
11														
12														

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		4-22				
		4/24/03	0845		4/24/03	0845
		4/24/03	1620		4/25/03	1620

SAMPLE CONDITION

Temp in °C	2.3
Received on Ice	(Y/N)
Sealed Cooler	(Y/N)
Samples Intact	(Y/N)

SAMPLE NOTES

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lyndal Butler
SIGNATURE of SAMPLER:
DATE Signed: (MM / DD / YY) 4-22-03

SEE REVERSE SIDE FOR INSTRUCTIONS

Form 00201 Rev 0402

TW-2

~~MW-3~~

WELL CONSTRUCTION RECORD

North Carolina - Department of Environment and Natural Resources - Division of Water Quality - Groundwater Sectic

WELL CONTRACTOR (INDIVIDUAL) NAME (print) Jay A. Little CERTIFICATION # 2717

WELL CONTRACTOR COMPANY NAME S3ME INC PHONE # (704-523-4726

STATE WELL CONSTRUCTION PERMIT# _____ ASSOCIATED WQ PERMIT# _____
(if applicable) (if applicable)

1. WELL USE (Check Applicable Box): Residential Municipal/Public Industrial Agricultural
Monitoring ✓ Recovery Heat Pump Water Injection Other If Other, List Use _____

2. WELL LOCATION:
Nearest Town: Morganton County Burke
(Street Name, Numbers, Community, Subdivision, Lot No., Zip Code)

Topographic/Land setting
Ridge Slope Valley Flat
(check appropriate box)
Latitude/longitude of well location
(degrees/minutes/seconds)
Latitude/longitude source: GPS Topographic map
(check box)

3. OWNER: _____
Address _____
(Street or Route No.)
City or Town State Zip Code
( ) _____
Area code- Phone number

4. DATE DRILLED 4-16-03
5. TOTAL DEPTH: _____
6. DOES WELL REPLACE EXISTING WELL? YES NO
7. STATIC WATER LEVEL Below Top of Casing: _____ FT.
(Use "+" If Above Top of Casing)
8. TOP OF CASING IS 0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C .0118.
9. YIELD (gpm): _____ METHOD OF TEST _____
10. WATER ZONES (depth): _____
11. DISINFECTION: Type _____ Amount _____
12. CASING: Wall Thickness
Depth Diameter or Weight/Ft. Material
From 0 To 6 Ft. 2" PVC
From _____ To _____ Ft. _____
From _____ To _____ Ft. _____
13. GROUT: Depth Material Method
From 0.5 To 4 Ft. Neat Cement
From _____ To _____ Ft. _____
14. SCREEN: Depth Diameter Slot Size Material
From 6 To 16 Ft. 2 in. .10 in. PVC
From _____ To _____ Ft. _____ in. _____ in. _____
15. SAND/GRAVEL PACK: Depth Size Material
From 5 To 16 Ft. #2 Sand
From _____ To _____ Ft. _____

DEPTH From	DEPTH To	DRILLING LOG Formation Description

LOCATION SKETCH
Show direction and distance in miles from at least two State Roads or County Roads. Include the road numbers and common road names.

16. REMARKS: _____

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER

Jay A. Little 4-18-03
SIGNATURE OF PERSON CONSTRUCTING THE WELL DATE

Submit the original to the Division of Water Quality, Groundwater Section, 1636 Mail Service Center - Raleigh, NC 27699-1636 Phone No. (919) 733-3221, within 30 days.

GW-1 REV. 07/2001

TW-1

MW-2

WELL CONSTRUCTION RECORD

North Carolina - Department of Environment and Natural Resources - Division of Water Quality - Groundwater Sectic

WELL CONTRACTOR (INDIVIDUAL) NAME (print) Jay A. Little CERTIFICATION # 2217

WELL CONTRACTOR COMPANY NAME S3ME Inc. PHONE # (704)523-4726

STATE WELL CONSTRUCTION PERMIT# _____ ASSOCIATED WQ PERMIT# _____
(if applicable) (if applicable)

1. WELL USE (Check Applicable Box): Residential Municipal/Public Industrial Agricultural
Monitoring Recovery Heat Pump Water Injection Other If Other, List Use _____

2. WELL LOCATION:
Nearest Town: Morganton County Burke
(Street Name, Numbers, Community, Subdivision, Lot No., Zip Code)

Topographic/Land setting
Ridge Slope Valley Flat
(check appropriate box)
Latitude/longitude of well location
(degrees/minutes/seconds)
Latitude/longitude source: GPS Topographic map
(check box)

3. OWNER: _____
Address _____
(Street or Route No.)
City or Town State Zip Code
( ) _____
Area code- Phone number

4. DATE DRILLED 4-16-03
5. TOTAL DEPTH: _____
6. DOES WELL REPLACE EXISTING WELL? YES (NO)
7. STATIC WATER LEVEL Below Top of Casing: _____ FT.
(Use "+" If Above Top of Casing)
8. TOP OF CASING IS 0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C .0118.
9. YIELD (gpm): _____ METHOD OF TEST _____
10. WATER ZONES (depth): _____
11. DISINFECTION: Type _____ Amount _____
12. CASING: Wall Thickness

	Depth		Diameter or Weight/Ft.	Material
From 0	To 4	Ft.	2"	PVC
From _____	To _____	Ft.		
From _____	To _____	Ft.		

13. GROUT:

	Depth		Material	Method
From .5	To 2	Ft.	Neat	Cement
From _____	To _____	Ft.		

14. SCREEN:

	Depth		Diameter	Slot Size	Material
From 4	To 14	Ft.	2" in.	.10 in.	PVC
From _____	To _____	Ft.	in.	in.	

15. SAND/GRAVEL PACK:

	Depth		Size	Material
From 3	To 14	Ft.	#2	Sand
From _____	To _____	Ft.		

16. REMARKS: _____

DEPTH From	DEPTH To	DRILLING LOG Formation Description

LOCATION SKETCH
Show direction and distance in miles from at least two State Roads or County Roads. Include the road numbers and common road names.

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