



PIEDMONT ENVIRONMENTAL SERVICES, INC.

P.O. Box 18631, Greensboro, NC 27419
(919) 855-7295 • FAX: (919) 855-7598

June 30, 1993

Louise Schneider
City of Greensboro
PO Box 3136
Greensboro, NC 27402-3136

Re: Limited environmental study at corners of West Market Street, Muirs Chapel Road and Spring Garden Street: BP Oil, Quality Oil, and Exxon

Dear Ms. Schneider;

At your request we made three soil borings, one at each of the above sites. One soil sample and one ground water sample was taken from each boring. The sample results are attached.

At each site, the boring location was picked after consulting with a representative from each station. This was done to insure that no underground utilities or product pipes would be hit. As we stated in our proposal to you, the locations were also in the natural areas at the BP and the Exxon Station. This was not possible at the Quality Oil station so we made this boring through the asphalt surface. A sketch of each station is attached to show the boring locations (the sketches are not to scale).

At each site, the boring was advanced to 15 feet. The augers were then pulled out of the boring and a split spoon soil sample was obtained. The soils were gathered in tubes provided by the laboratory. The tubes were labeled, wrapped in tin foil and placed in an ice cooler until delivered to the lab. The split spoon and the augers were cleaned between each boring location.

After the soil sample was obtained from each site, we continued each boring to a depth of 25 feet at the BP station and to a depth of 30 feet at the Quality Oil station and the Exxon station. Again, the augers were pulled out of the boring and a water sample was obtained using a disposable bailer to obtain the sample. The water was placed in containers provided by the laboratory, labeled and placed in an ice cooler until delivered to the lab.

After each boring was finished, the borings were sealed with bentonite. The borings were then filled with the soils removed from the borings. At the Quality Oil station where we bore through the asphalt, mortar mix was used to patch the asphalt.

page 2, Ms. Schneider

Ground water was measured in the BP Oil boring at 22 feet 3 inches. Ground water was measured in the Quality Oil boring at 27 feet 1 inch. Ground water was measured in the Exxon boring at 23 feet 8 inches. Each depth is from the ground surface to the water in each boring.

All three soil samples were tested for gasoline. Less than 10 ppm were detected at each station. 10 ppm is the current state action level for gasoline, therefore these results indicate that no gas contamination is present in these samples. However, the ground water samples do show results that indicate the presence of gas in the ground water at each station. Each sample does show benzene, ethyl benzene, toluene, and xylenes.

I have sent a copy of the sample results of the BP Oil station, the site map showing the boring location, and a short letter to Mr. Shelby Fillingim. A copy of that letter is attached here.

If you have any questions, please let me know.

Sincerely,



Thad Chesson

GUILFORD LABORATORIES, INC

2005 North Church Street
Greensboro, NC. 27405
(919) 274-2907

AUG 02 2003

CHAIN OF CUSTODY RECORD

Client Prepared by: Mad Chaston Date / Time: 8.16.03 Job Number: City of 650
 Client Phone Number: (855-7295) Sampler's Name: Pat - Mad Chaston

Guilford Abs Number	Yr.	Date	Time	Sample Station ID	Total Number Of Containers
945				BP O'1 15ft	1
1015				BP O'1	2
1045				Quality O'1	1
1100				Quality O'1	2
1245				Iron	1
1245				Iron	2

Container Inventory	Sample Type: (GW, WW, SW, Soil, Other)		Filled (Yes/No)	Preserved (Code)	Refrigerated (Yes/No)	Comments:
	GW-Ground water / WW-Waste water / SW-Storm water	Other				
50.1						5030 for gms
Ground Water						624 for gms
						5030 for gms
						624 for gms
						5030 for gms
						1214 for gms

SAMPLER Relinquished by (Sig.): Heckle Date / Time: 8/16/03 11:45 am
 Relinquished by (Sig.): [Signature] Date / Time: [Blank]
 Relinquished by (Sig.): [Signature] Date / Time: [Blank]

Received by (Sig.): [Signature] Date / Time: 8/16/03 11:55 am
 Received by (Sig.): [Signature] Date / Time: [Blank]
 Received by (Sig.): [Signature] Date / Time: [Blank]

Received by (Sig.): [Signature] Date / Time: [Blank]
 Received by (Sig.): [Signature] Date / Time: [Blank]
 Received by (Sig.): [Signature] Date / Time: [Blank]

HAZARDS ASSOCIATED WITH SAMPLES
 Receipt Temp: 7 °C
 Client P.O. Number: [Blank]



GUILFORD LABORATORIES, INC.
P.O. Box 9735/Plaza Station/Greensboro, N.C. 27408

GC/MS Purgeables EPA Method 624
Report of Analysis

Report Date: June 28, 1993

Job #: PES30616

Customer: Piedmont Environmental
P.O. Box 18631
Greensboro, NC 27419

Attn: Sherwood Chesson
P.O. #: City of Greensboro

Sample : #2629 Exxon ground water

Collected: 06/16/93

Analyzed: 06/22/93

<u>Compound</u>	<u>Result</u>	<u>Units</u>	<u>MDL</u>
√Benzene	3.0	ug/L	< 4.4
BromoDichloromethane	< 2.2	ug/L	< 2.2
Bromoform	< 4.7	ug/L	< 4.7
Bromomethane	ND	ug/L	-----
Carbon Tetrachloride	< 2.8	ug/L	< 2.8
Chlorobenzene	< 6.0	ug/L	< 6.0
Chloroethane	ND	ug/L	-----
2-chloroethylvinyl ether	ND	ug/L	-----
Chloroform	< 1.6	ug/L	< 1.6
Chloromethane	ND	ug/L	-----
Dibromochloromethane	< 3.1	ug/L	< 3.1
1,2-dichlorobenzene	ND	ug/L	-----
1,3-dichlorobenzene	ND	ug/L	-----
1,4-dichlorobenzene	ND	ug/L	-----
1,1-dichloroethane	< 4.7	ug/L	< 4.7
1,2-dichloroethane	< 2.8	ug/L	< 2.8
1,1-dichloroethene	< 2.8	ug/L	< 2.8
trans-1,2-dichloroethene	< 1.6	ug/L	< 1.6
1,2-dichloropropane	< 6.0	ug/L	< 6.0
cis-1,3-dichloropropene	< 5.0	ug/L	< 5.0
trans-1,3-dichloropropene	ND	ug/L	-----
Ethyl Benzene	11.7	ug/L	< 7.2
Methylene chloride	< 2.8	ug/L	< 2.8
Methyl tert-Butyl Ether	ND	ug/L	-----
1,1,2,2-tetrachloroethane	< 6.9	ug/L	< 6.9
Tetrachloroethene	< 4.1	ug/L	< 4.1
Toluene	9.7	ug/L	< 6.0
1,1,1-trichloroethane	< 3.8	ug/L	< 3.8
1,1,2-trichloroethane	< 5.0	ug/L	< 5.0
1,1,2-trichloroethene	< 1.9	ug/L	< 1.9
Trichlorofluoromethane	ND	ug/L	-----
Vinyl chloride	ND	ug/L	-----
Total Xylenes	44	ug/L	< 6.0

ND = Not Detected

GUILFORD LABORATORIES, INC.

S.P. Rayburn



GUILFORD LABORATORIES, INC.
P.O. Box 9735/Plaza Station/Greensboro, N.C. 27408

6-24-1993

REPORT OF ANALYSIS

Customer : PIEDMONT ENVIROMENTAL
PO BOX 18631
GREENSBORO N.C. 27419
TTN: SHERWOOD CHESSON

Job # : PES30616
P.O. # : CITY OF GSO

Sample : #2628 EXXON SOIL

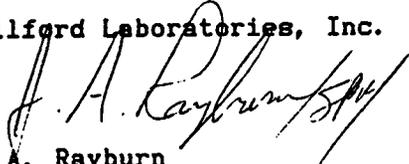
RESULTS

2628

PH as Gasoline by EPA 5030(ppm)

<10

Guilford Laboratories, Inc.


J. A. Rayburn

S P R I N G G A R D E N S T R



Exxon Station



Tank Field

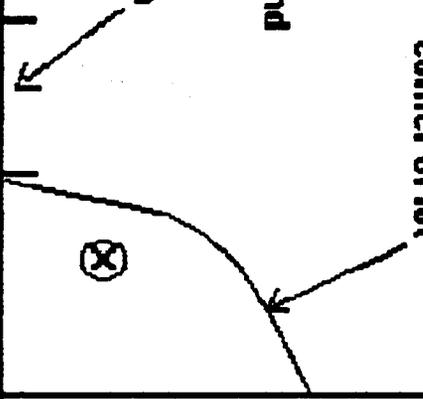
M A N L E Y A V E



Natural area at corner of lot

⊗ = boring location 7 feet from W. Market Str. and 3 feet from curb around natural area

entrance to station



West Market Street

EXXON #43998

4701 W. MARKET



Louise Schneider

Real Estate Agent
Property Management

One Governmental Plaza
P.O. Box 3136
Greensboro, NC 27402-3136
(919) 373-2166