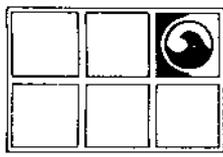


JUN 09 1993



GROUNDWATER TECHNOLOGY

Groundwater Technology, Inc.

1245 Kings Road, Schenectady, NY 12303
Tel: (518) 370-5631 Fax: (518) 370-5864

June 4, 1993

Mr. Matt Germon
VT DEC
103 South Main Street
West Building
Waterbury, Vermont 05671-0404

SUBJECT: Hertz Rent-A-Car
Burlington International Airport

Dear Mr. Germon,

Enclosed please find the subsurface investigation report dated May 20, 1993 for the above referenced site.

Should you have any questions or comments concerning this matter, please do not hesitate to contact me at (518) 370-5631.

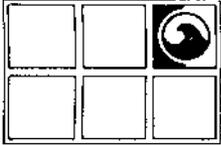
Sincerely,
GROUNDWATER TECHNOLOGY, INC.

Michael B. Carr
Lead Geologist
Project Manager

MBC:mbe

Enclosure

JUN 09 1993



**GROUNDWATER
TECHNOLOGY**

Groundwater Technology, Inc.

1245 Kings Road, Schenectady, NY 12303
Tel: (518) 370-5631 Fax: (518) 370-5864

**SUBSURFACE INVESTIGATION REPORT
HERTZ RENT - A - CAR
BURLINGTON INTERNATIONAL AIRPORT**

May 20, 1993

Submitted to:

Patricia A. Woods
Project Manager
Environmental Affairs
The Hertz Corporation
225 Brae Boulevard
Park Ridge, NJ 07656-0713

GROUNDWATER TECHNOLOGY, INC.
Written/Submitted By:

A handwritten signature in black ink, appearing to read 'N. Pressly', written over a horizontal line.

Nicholas Pressly
Lead Engineer
Project Manager

GROUNDWATER TECHNOLOGY, INC.
Reviewed/Approved By:

A handwritten signature in black ink, appearing to read 'Steven R. Meier', written over a horizontal line.

Steven R. Meier
Senior Geologist

#1MytcaReport\Hertz\7982\Inve.st

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B.	Soil Sampling Results
C.	Groundwater Gauging Data
D.	Product Sampling Results
E.	Groundwater Sampling Results

1.0 INTRODUCTION

Groundwater Technology, Inc (Groundwater Technology) was retained by Hertz Rent A Car (Hertz) to perform a subsurface assessment at the Hertz facility located at Burlington International Airport (Figure 1, Site Location Map). The objectives and scope of work for this investigation was based upon the Groundwater Technology proposal dated January, 25, 1993.

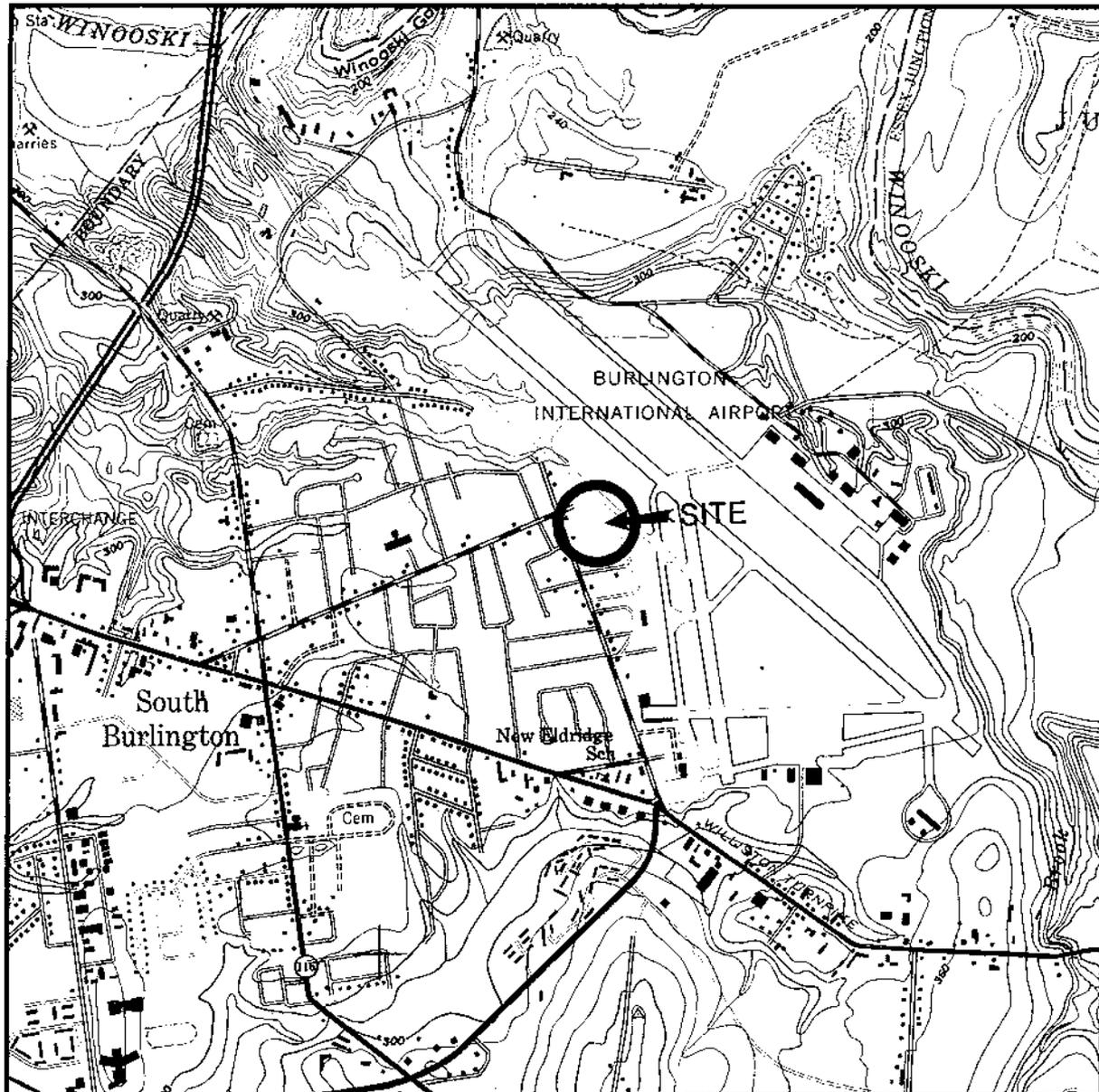
1.1 Background

During the removal of a Hertz owned 10,000 gallon gasoline underground storage tank (UST) on October 20, 1992 hydrocarbon impacted soil was encountered. A photoionization detector (PID) was used to screen excavated soil for volatile organic compounds (VOCs). All soils with PID readings greater than 20 parts per million (ppm) were removed from the excavation on the same date. Approximately 250 cubic yards of soil was removed and stockpiled on-site.

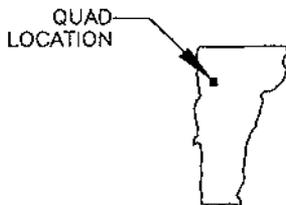
1.2 Objectives

The objectives for this investigation are summarized as follows:

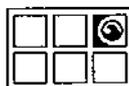
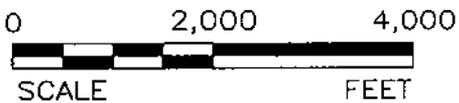
- respond to regulatory requirements in an appropriate manner,
- evaluate the extent and magnitude of hydrocarbon impacts within the subsurface,
- provide data regarding the site hydrogeology,
- identify potential receptors of hydrocarbon impacts originating from the site,
- evaluate remedial alternatives, if necessary, and
- cause minimal disturbance to the normal daily operations at the site.



SOURCE: U.S.G.S. TOPOGRAPHIC QUADRANGLE
 BURLINGTON QUADRANGLE
 7.5 MINUTE SERIES
 DATE: 1948 / REVISED 1987



SCALE 1:24,000



**GROUNDWATER
 TECHNOLOGY**

1245 KINGS ROAD
 SCHENECTADY, NY 12303
 (518) 370-5864

DESIGNED:

MET

DETAILED:

MET

CHECKED:

NCP

SITE LOCATION MAP

CLIENT:

HERTZ

LOCATION:

MAIN STREET
 BURLINGTON, VERMONT

DRAWING DATE:

4/20/93

FIGURE:

1

2.0 METHODS

2.1 Monitoring Well Installation

On March 23, 1993, a hollow-stem auger drill rig with split-spoon sampling capability was used to install 4 monitoring wells (GT-1 - GT-4) at the site. The well locations are depicted on Figure 2, Site Map.

A Geologist supervised the well installations. Split-spoon soil samples were collected at 5-foot intervals according to standard ASTM methods. Each soil sample was containerized and screened for the presence of VOCs using a PID. A single soil sample exhibiting the highest PID readings found on-site, was submitted for laboratory analysis according to EPA Method 8020. Soil descriptions and PID readings were noted on well logs (Appendix A).

Each well was constructed using 4-inch diameter, 0.020 slotted PVC screen and casing. A silica sand pack surrounded the well screen and a bentonite seal was placed above the sand pack to prevent surface water infiltration. Locking well caps and flush mounted, traffic approved, steel manholes were installed to protect the well casings.

Prior to initiating field work, a site specific health and safety plan was prepared to comply with OSHA requirements under 29 CFR 1910.120.

2.2 Groundwater Gauging and Sampling

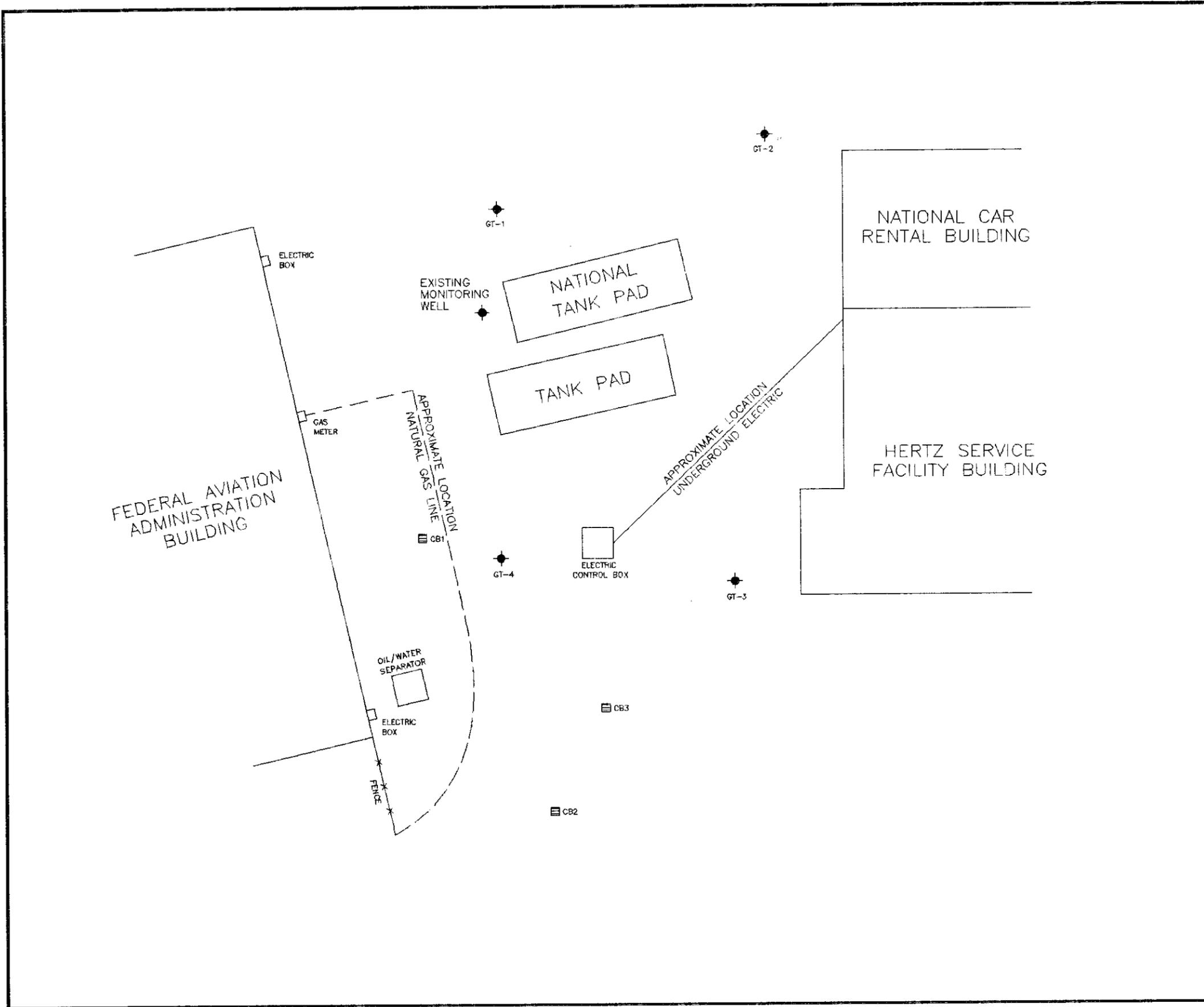
On March 30, 1993, a Groundwater Technology survey team located the existing and new wells and other pertinent site features on a site map. The top of casing elevations of the monitoring wells were surveyed relative to an arbitrary datum. Prior to sampling, the water level in each well was gauged using an ORS Interface Probe (IP). The IP is capable of measuring the depth to water/air/liquid hydrocarbon interface to 0.01 feet.

Groundwater samples were collected using disposable Teflon bailers dedicated to each well. Prior to sampling, 3 to 5 well volumes of groundwater were removed to insure the collection of a representative groundwater sample. Following collection, the samples were stored on ice and shipped via overnight

courier to Groundwater Technology Environmental Laboratories (GTEL). Each sample was analyzed according to EPA Method 602 protocol for BTEX, Total Hydrocarbons, and MtBE.

2.3 Potential Receptor Survey

A potential receptor survey (PRS) was performed to identify water wells, surface water bodies, utilities, basements, and any structures which could potentially be impacted by on-site hydrocarbons. The PRS utilized computer data bases, topographic maps, and on-site surveillance. A U.S.G.S well search was performed to identify public and private production wells within a 0.5 mile radius of the site.

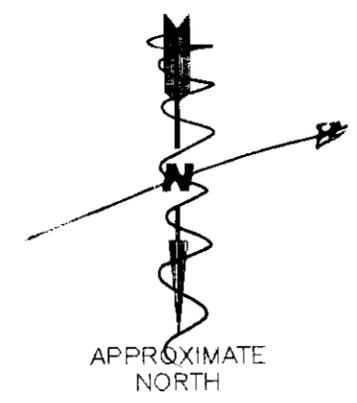


LEGEND

◆ MONITORING WELL

NOTES:
SOURCE:

0 20 40
SCALE FEET



GROUNDWATER TECHNOLOGY		1245 KINGS ROAD SCHENECTADY, NY 12303 (518) 370-5631	
REV. NO.:	DRAWING DATE: 4/5/93	ACAD FILE: 5402-STE	
SITE MAP			
CLIENT: HERTZ			PM: NCP
LOCATION: MAIN STREET BURLINGTON, NY			SM: JLF
DESIGNED: GB	DETAILED: DEO	PROJECT NO.: 01110-5402	FIGURE: 2

3.0 RESULTS

3.1 Site Geology

The soil encountered beneath the site consists of uniform brown fine sand from approximately 3 to 20 feet below grade. Trace quantities of silt, medium sand, and fine gravel were also observed within several soil samples. Soil classification data is included on the well logs in Appendix A.

3.2 Soil Sampling Results

The results of the field screening for VOCs using the PID are summarized below in Table 1.

Table 1
PID Field Screening Results (PPM)

Sample Interval *	GT-1	GT-2	GT-3	GT-4
3-5	0	167	175	90
8-10 +	4	1362	4480 #	4123
13-15	0	110	4185	1276
18-20	0	60	789	323

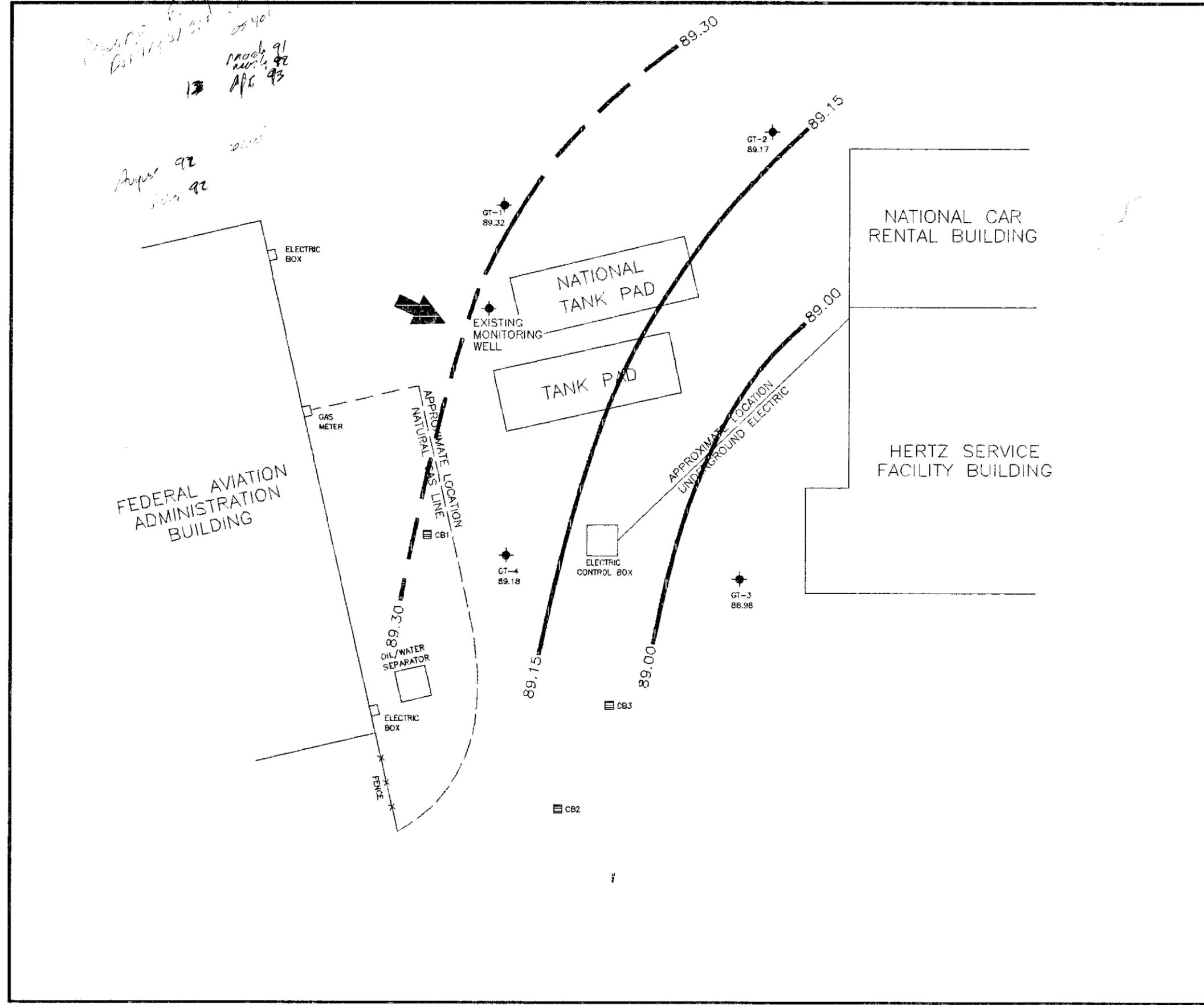
Key

- PPM = Parts Per Million
- * = Feet Below Grade
- + = Approximate Water Table Elevation
- # = Submitted for laboratory Analysis

The soil sample exhibiting the highest levels of VOCs (GT-3, 8-10) was submitted for laboratory analysis according to EPA Method 8020. The results indicated a total BTEX (Benzene, Toluene, Ethyl Benzene, Xylene) concentration of 230 ppm. A laboratory analytical report is included in Appendix B.

864-024
 13
 Moody 91
 Nov 92
 Apr 93

Apr 92
 Jan 92

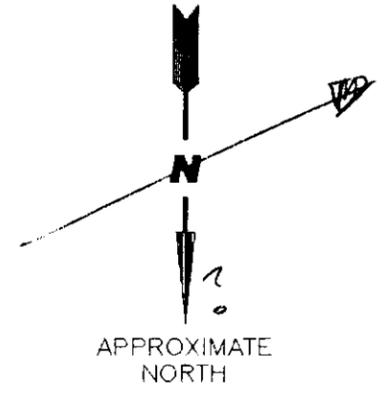


LEGEND

- ◆ MONITORING WELL
- ▲ RECOVERY WELL
- ➔ DIRECTION OF GROUNDWATER FLOW

MONITORING DATE: 3/30/93

0 20 40
 SCALE FEET



GROUNDWATER TECHNOLOGY		1245 KINGS ROAD SCHENECTADY, NY 12303 (518) 370-5631	
REV. NO.:	DRAWING DATE: 4/20/93	ACAD FILE: GWMAR93	
GROUNDWATER CONTOUR MAP			
CLIENT: HERTZ		PM: NCP	
LOCATION: MAIN STREET BURLINGTON, NY		SM: JLF	
DESIGNED: GB	DETAILED: DEO	PROJECT NO.: 01110-5402	FIGURE: 3

3.3 Site Hydrogeology

The depth to groundwater at the site was approximately 10 feet below grade. Groundwater flow was towards the northwest with an average gradient of 1.2 percent. Groundwater gauging data is included as Appendix C. A groundwater contour map is included as Figure 3.

3.4 Groundwater Sampling Results

On March 30, 1993, liquid phase petroleum was detected within GT-4 and GT-3 at thicknesses of 0.18 and 1.03 feet, respectively. A bail-down test was performed to determine the true product thickness in the aquifer. The test indicated true petroleum thicknesses of 0.07 and 0.45 feet, respectively. A petroleum sample was collected from GT-3 and analyzed for fingerprint characterization by capillary gas chromatography using FID and ECD. The sample was identified as a relatively un-weathered gasoline. The product analytical report is included as Appendix D.

The results of groundwater samples collected on March 30 are summarized below in Table 2.

Table 2
Groundwater Sampling Results (PPB)

Parameter	GT-1	GT-2	GT-3	GT-4
Liquid Phase Petroleum	ND	ND	1.03 feet	0.18 feet
Total BTEX+	ND	6500	NS	NS
MIBE+	ND	180	NS	NS

Key

+ = As determined by EPA Method 602 analysis
ND = Not Detected
NS = Not sampled because of presence of petroleum

The groundwater sampling analytical report according to EPA Method 602 is included as Appendix E. A hydrocarbon distribution map is presented as Figure 4.

3.5 Potential Receptor Survey

The buildings (Hertz, National Car Rental, and the Federal Aviation Administration) are located in the area surrounding the tank pad. These buildings were not found to have basements. Underground utilities within this area included electric, natural gas, and storm sewers. None of these shallow utilities are expected to intersect the water table which is located at approximately 10 feet below grade.

The United States Geological Survey (USGS) Groundwater Site Inventory Database indicated that no water supply wells are located within a 1 mile radius of the site. Public water supply data from the Vermont Department of Environmental Conservation, Water Supply Division indicated that Lake Champlain provides the Burlington area with a large percentage of its potable water supply. They also indicated that no wells were located within 0.5 miles of the site. Finally, The Vermont Center for Geographic Information Systems indicated that the closest water wells are located approximately 3800 meters east (crossgradient) of the site in Williston, Vermont.

A tributary to the Winooski River was located approximately 1000 feet northwest and downgradient of the site. The Winooski River is located approximately 1 mile north of the site.

4.0 CONCLUSIONS

Based on the results obtained during this investigation, the following conclusions are presented:

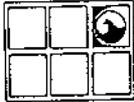
- The liquid phase hydrocarbon impacts encountered (maximum true thickness = 0.45 feet) within the subsurface appear to have originated from the area of the two underground storage tank systems.
- Field screening results of soil samples using the PID indicate that the highest hydrocarbon concentrations were found in the immediate vicinity of the water table. Based on the areal distribution of hydrocarbon impacts, groundwater flow appears to be the primary transport mechanism.
- Since hydrocarbon levels were not detected within upgradient monitoring well, GT-1, the only other potential source area, other than the Hertz UST, is the National Car Rental UST system.
- Potential receptors including subsurface utilities or water supply wells were not identified. However, a tributary to the Winooski River was identified as a potential receptor in relatively close proximity and downgradient of the site.

5.0 RECOMMENDATIONS

Based on the information obtained during this investigation, the following is recommended.

- Determine which of the two UST systems caused the release one of the following methods:
 - Determine the fuel type within each tank and perform petroleum additive analyses on samples obtained from downgradient monitoring wells and each tank.
 - Add a unique volatile tracer compounds to each tank and collect soil gas samples from the area surrounding the tanks to determine which of the tracers has entered the subsurface.
- Install 3 to 4 additional monitoring wells downgradient of the site to evaluate the full extent of the dissolved and liquid phase hydrocarbon plume.
- Develop and implement a remedial action plan based on the supplemental subsurface investigation data to control hydrocarbon migration and reduce hydrocarbon levels in order to protect the tributary to the Winooski River.

APPENDIX A
WELL LOGS



GROUNDWATER
TECHNOLOGY

Drilling Log

Monitoring Well GT-1

Project Hertz Owner Hertz Corporation
 Location Burlington, VT Project No. 0110-5402 Date drilled 3/23/93
 Surface Elev. _____ Total Hole Depth 22 ft. Diameter .875 ft.
 Top of Casing _____ Water Level Initial _____ Static _____
 Screen: Dia 4 in. Length 15 ft. Type/Size .020 in.
 Casing: Dia 4 in. Length 5.5 ft. Type PVC
 Filter Pack Material #1 SAND Rig/Core Type Mobile B-61
 Drilling Company GTI Method HSA Permit # _____
 Driller Mike Mede Log By J. Favreau
 Checked By N. Pressly License No. _____

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	Well Completion	PTD (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
						Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0						
2					SW	
4		0				3'-5': Damp, brown, fine sand, trace medium sand.
6					SW	
8			5 5 4 6			8'-10': Damp to moist, brown, uniform fine sand.
10		3.8				
12					SW	
14		0	2 3 3 5			13'-15': Saturated, brown, uniform fine sand.
16						
18					SW	
20		0	1 2 3			18'-20': Saturated, brown, uniform fine sand.
22						
24						



GROUNDWATER
TECHNOLOGY

Drilling Log

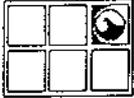
Monitoring Well GT-2

Project Hertz Owner Hertz Corporation
 Location Burlington, VT Project No. 01110-5402 Date drilled 3/23/93
 Surface Elev. _____ Total Hole Depth 22 ft. Diameter .875 ft.
 Top of Casing _____ Water Level Initial _____ Static _____
 Screen: Dia 4 in. Length 15 ft. Type/Size .020 in.
 Casing: Dia 4 in. Length 5.5 ft. Type PVC
 Filter Pack Material #1 SAND Rig/Core Type Mobile B-61
 Drilling Company GTI Method HSA Permit # _____
 Driller Mike Mede Log By J. Favreau
 Checked By N. Pressly License No. _____

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	Well Completion	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
						Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0						
2		167	20		SW	3'-5': Damp, brown/dark brown, uniform fine sand, (gasoline odor).
4			20			
6			10			
8		1362	10		SW	8'-10': Damp - moist, brown, uniform fine sand, (gasoline odor).
10			4			
12		110	4		SW	13'-15': Saturated, as above.
14			4			
16			6			
18			3			
20		59.6	3		SW	18'-20': Saturated, as above with trace fine gravel.
22			4			
24			3			



GROUNDWATER
TECHNOLOGY

Drilling Log

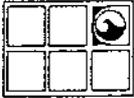
Monitoring Well GT-3

Project Hertz Owner Hertz Corporation
 Location Burlington, VT Project No. 01110-5402 Date drilled 3/23/93
 Surface Elev. _____ Total Hole Depth 22 ft. Diameter .875 ft.
 Top of Casing _____ Water Level Initial _____ Static _____
 Screen: Dia 4 in. Length 15 ft. Type/Size .020 in.
 Casing: Dia 4 in. Length 5.5 ft. Type PVC
 Filter Pack Material #1 SAND Rig/Core Type Mobile B-61
 Drilling Company GTI Method HSA Permit # _____
 Driller Mike Mede Log By J. Favreau
 Checked By N. Pressly License No. _____

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	Well Completion	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
						Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0						
2					SW	
4		175				3'-5': Damp, dark brown, fine sand, trace medium sand (dense) (gasoline odor)
6						
8			5 5 5 8		SW	8'-10': Damp, brown, uniform fine sand (very strong gasoline odor).
10		4480				
12						
14		4185	3 3 7 10		SW	13'-15': Saturated, brown, uniform fine sand trace gravel (sheen).
16						
18						
20		789	2 3 3 2		SW	18'-20': Saturated, dark brown to brown, fine sand, little silt.
22						
24						



GROUNDWATER
TECHNOLOGY

Drilling Log

Monitoring Well GT-4

Project Hertz Owner Hertz Corporation
 Location Burlington, VT Project No. 01110-5402 Date drilled 3/24/93
 Surface Elev. _____ Total Hole Depth 22 ft. Diameter .875 ft.
 Top of Casing _____ Water Level Initial _____ Static _____
 Screen: Dia 4 in. Length 15 ft. Type/Size .020 in.
 Casing: Dia 4 in. Length 6.5 ft. Type PVC
 Filter Pack Material #1 SAND Rig/Core Type Mobile B-61
 Drilling Company GTI Method HSA Permit # _____
 Driller Mike Mede Log By J. Favreau
 Checked By N. Pressly License No. _____

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	Well Completion	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0						
2					SW	
4		89.5				3'-5': Damp, brown, very fine to fine sand.
6						
8			1		SW	
10		4123	2 4 3			8'-10': Damp, brown, uniform fine sand (strong gasoline odor).
12						
14		1276	3 3 4 2		SW	
16						
18						
20		323	1 4 4 3		SW	
22						18'-20': Saturated, brown/dark brown, fine and very fine sand (moderate gasoline odor).
24						

APPENDIX B
SOIL SAMPLING RESULTS



Northeast Region
Meadowbrook Industrial Park
Milford, NH 03055
(603) 672-4835
(603) 673-8103 (FAX)

Client Number: 011105402
Project ID: Hertz-Burlington
Login Number: M3-03-0731

April 8, 1993

Nicholas Pressly
Groundwater Technology, Inc.
1245 Kings Road
Schenectady, NY 12303

Dear Mr. Pressly:

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 03/26/93 under chain-of-custody record 54288.

A formal Quality Assurance / Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

If you have any questions regarding this analysis, or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

[Signature]
Susan C. Uhler
Laboratory Director

Post-It™ brand fax transmittal memo 7671		# of pages → 2
To <i>W. Pressly</i>	From <i>G. Smith</i>	
Co.	Co.	
Dept.	Phone #	
Fax #	Fax # <i>03-0731</i>	

Client Number: 011105402
 Project ID: Hertz-Burlington
 Login Number: M3-03-0731

ANALYTICAL RESULTS

Aromatic Volatile Organics In Soil
 Modified EPA Method 8020a

GTEL Sample Number		030731-01	--	--	--
Client Identification		GT-3 (8'-10')	--	--	--
Date Sampled		03/23/93	--	--	--
Date Analyzed		04/01/93	--	--	--
Analyte	Reporting Limit, mg/kg	Concentration, mg/kg (dry)			
Benzene	0.05	< 0.58	--	--	--
Toluene	0.05	32	--	--	--
Ethylbenzene	0.10	31	--	--	--
Xylenes (total)	0.20	170	--	--	--
BTEX (total)	--	230	--	--	--
Chlorobenzene	0.10	< 1.2	--	--	--
1,2-Dichlorobenzene	0.10	< 1.2	--	--	--
1,3-Dichlorobenzene	0.10	< 1.2	--	--	--
1,4-Dichlorobenzene	0.10	3.7	--	--	--
Sample Dilution Factor ^b		11.6	--	--	--
Percent Solids		96.3	--	--	--

- a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986; Methanolic extraction by EPA Method 5030 (purge and trap). Method modified to include additional compounds.
- b The sample dilution factor indicates the adjustments made to the data and detection limits as a result of dilutions and percent solids.

APPENDIX C
GROUNDWATER GAUGING DATA

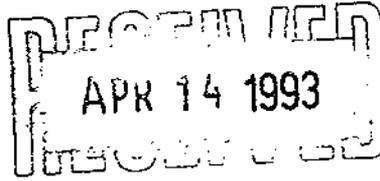
APPENDIX D
PRODUCT SAMPLING RESULTS

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman
James E. Bruya, Ph.D.
(206) 285-8282

3008-B 16th Avenue West
Seattle, WA 98119
FAX: (206) 283-5044



April 6, 1993

Nik Pressly, Project Leader
Groundwater Technology
1245 Kings Road
Schenectady, NY 12303

Dear Mr. Pressly:

Enclosed are the results from the testing of material submitted on April 2, 1993 from Project Hertz Berlington.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

Amy M. Gray
Chemist

AMG

Enclosures

FAX: (518) 370-5864

Date of Report: April 6, 1993

Date Received: April 2, 1993

Project: Hertz Berlington

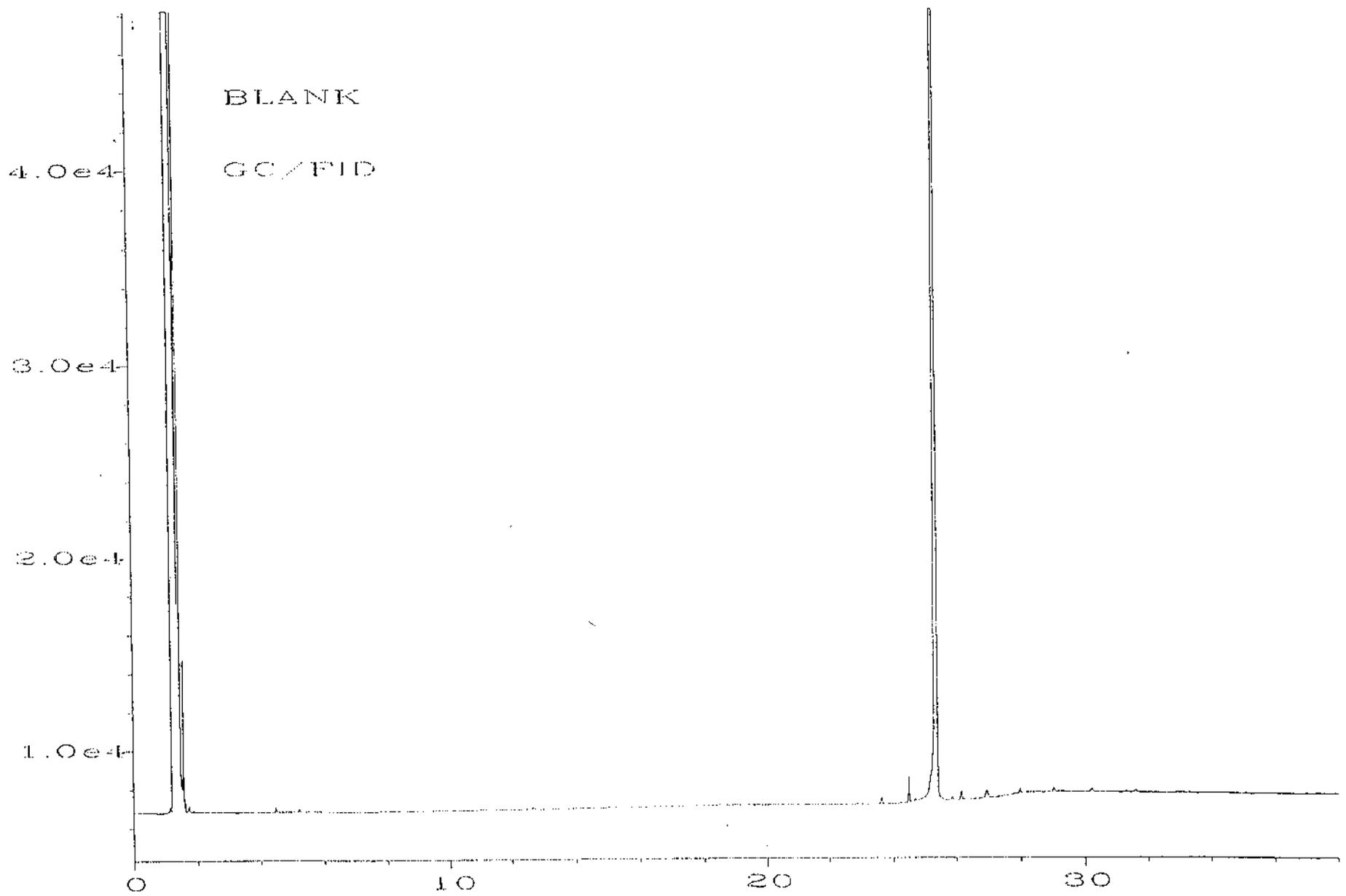
RESULTS FROM THE ANALYSIS OF THE PRODUCT SAMPLE
FOR FINGERPRINT CHARACTERIZATION
BY CAPILLARY GAS CHROMATOGRAPHY
USING A FLAME IONIZATION DETECTOR (FID)
AND ELECTRON CAPTURE DETECTOR (ECD)

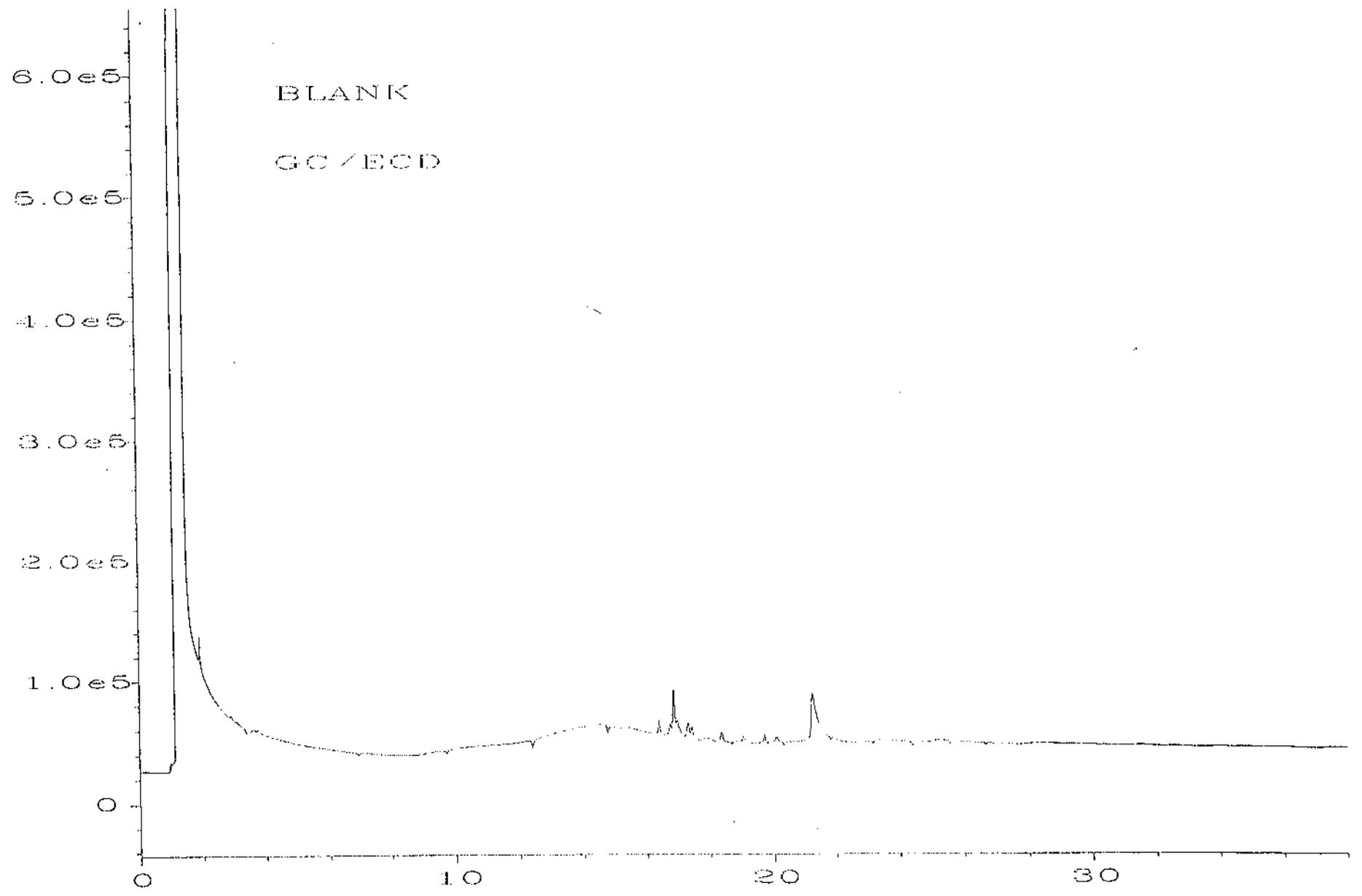
Sample #

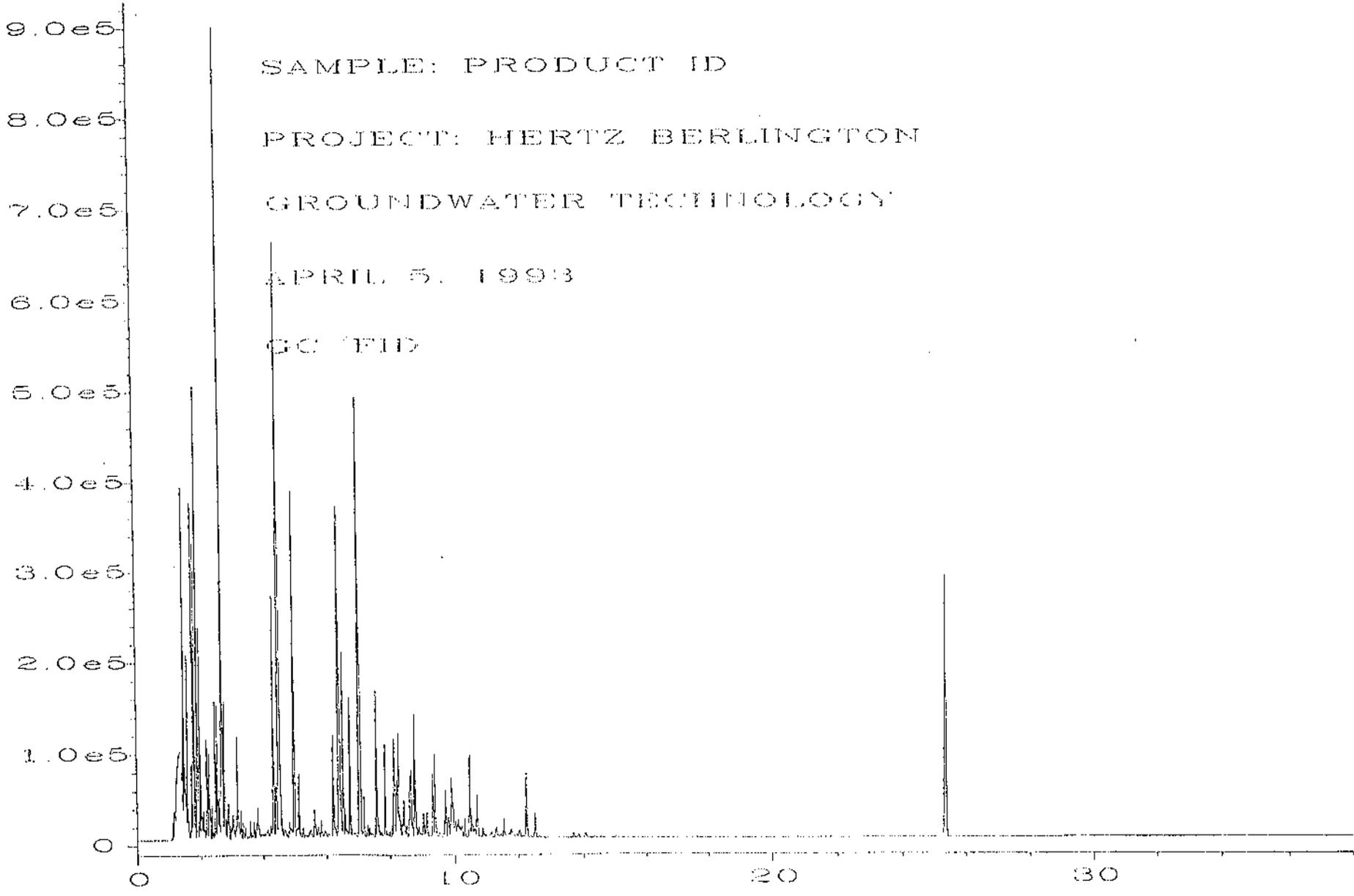
GC Characterization

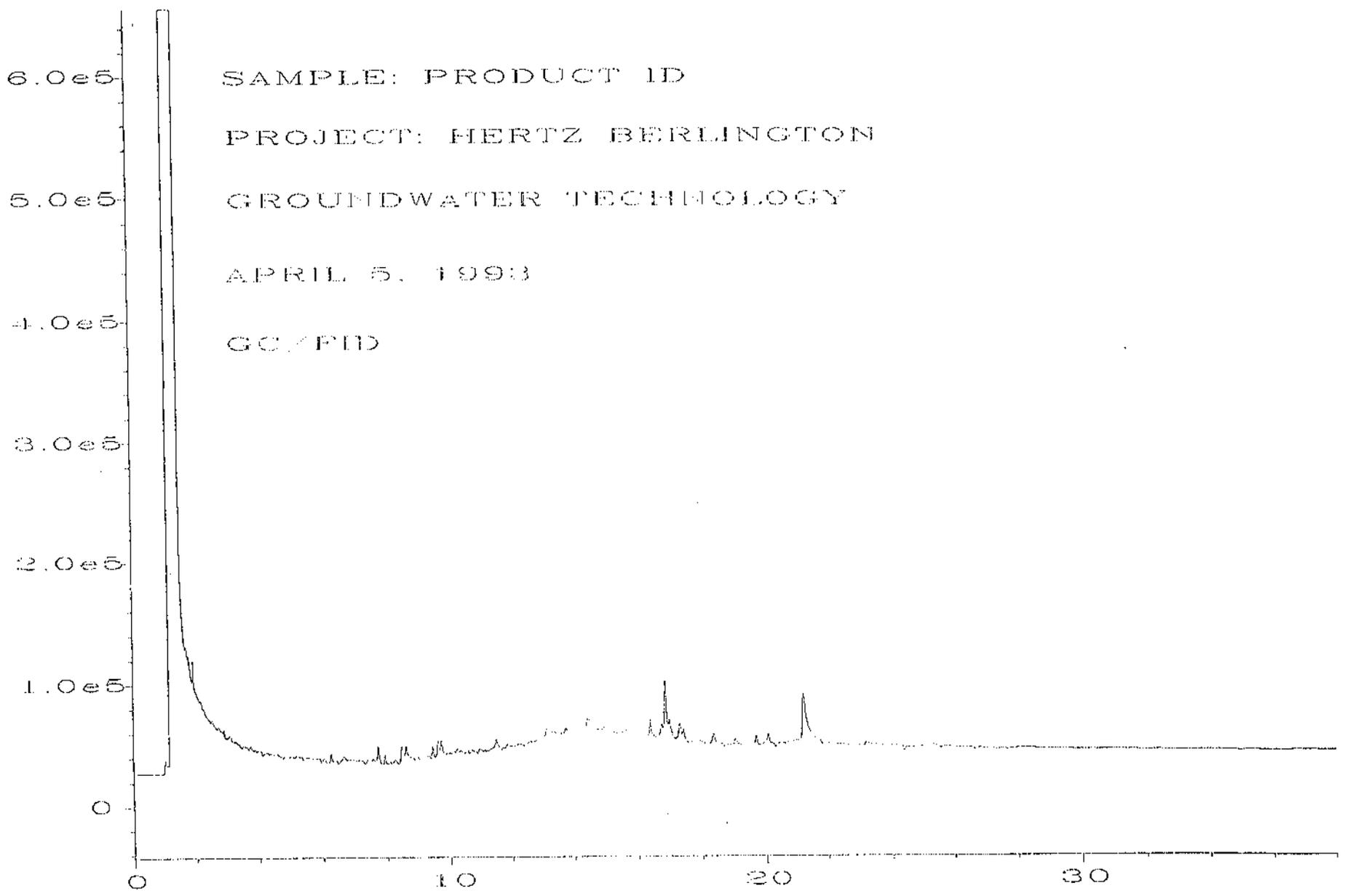
Product ID (Gas)

The gas chromatographic FID trace showed the presence of low boiling compounds, such as those found in gasoline. This characterization is based on the presence of a typical pattern envelope of peaks present from ca n -C₅ to n -C₁₂ with a maximum near n -C₇. Augmented levels of benzene, toluene, ethylbenzene and the xylenes were seen which are common to most gasolines. The material appeared to be mostly unweathered. The large peak seen at 25 minutes is pentacosane, a compound added as a QA/QC check. The GC/ECD trace showed an absence of significant levels of semi-volatile halogenated or oxygenated material or organic lead.



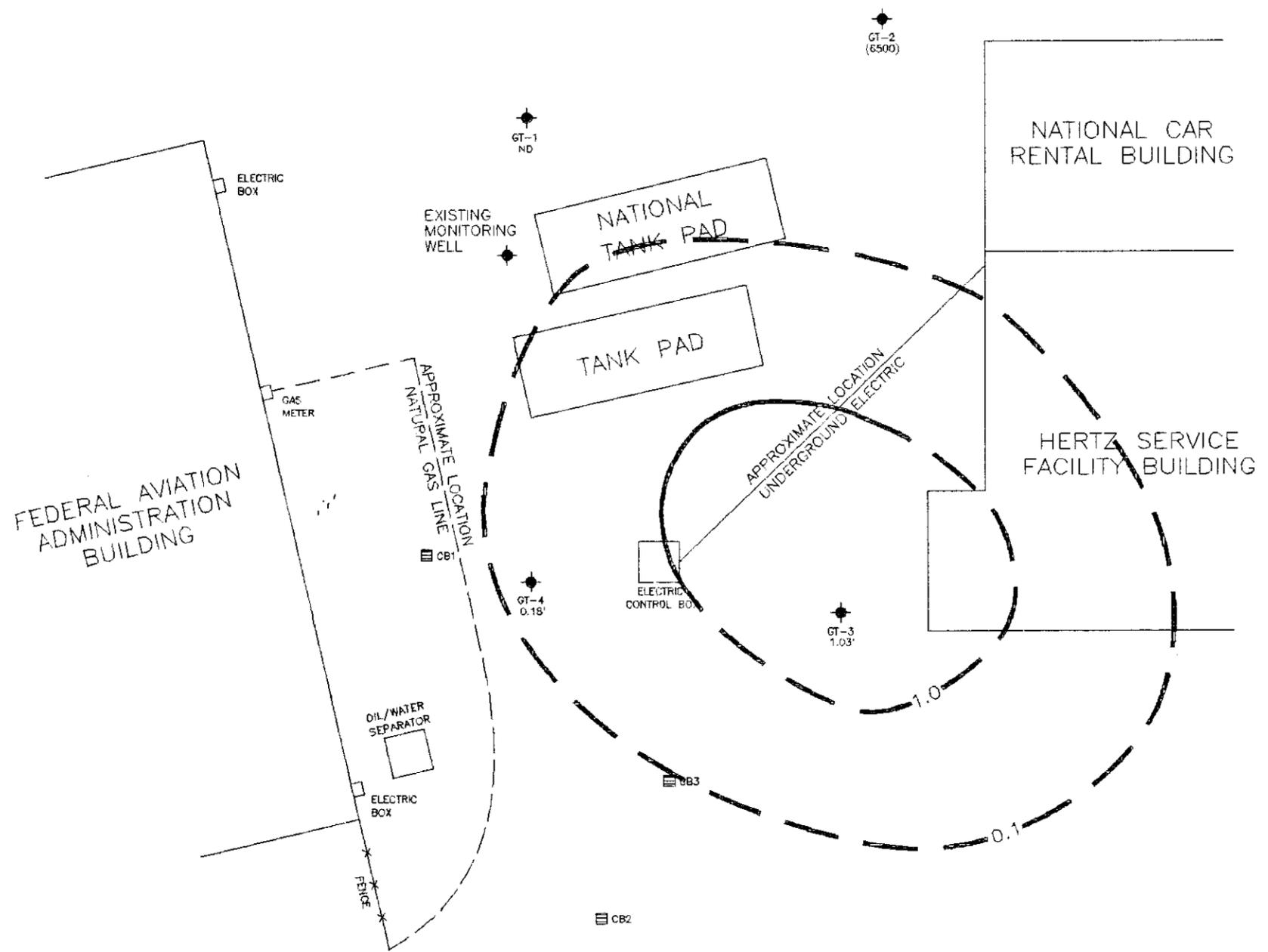






SAMPLE: PRODUCT ID
PROJECT: HERTZ BERLINGTON
GROUNDWATER TECHNOLOGY
APRIL 5, 1993
GC/FID

APPENDIX E
GROUNDWATER SAMPLING RESULTS

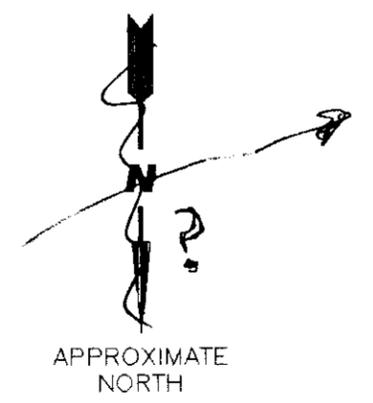


LEGEND

- ◆ MONITORING WELL
- ND NOT DETECTED (EPA METHOD 602)
- (6500) BTEX CONCENTRATION (ppb) (EPA METHOD 602)
- 1.03' LIQUID PHASE HYDROCARBON THICKNESS (feet)
- 1.0— LIQUID PHASE HYDROCARBON CONTOUR (feet)

SAMPLING DATE: 3/30/93

0 20 40
SCALE FEET



GROUNDWATER TECHNOLOGY		1245 KINGS ROAD SCHENECTADY, NY 12303 (518) 370-5631	
REV. NO.:	DRAWING DATE:	ACAD FILE:	
	5/12/93	HYDMAR93	
HYDROCARBON DISTRIBUTION MAP			
CLIENT:		PM:	
HERTZ		NCP	
LOCATION:		SM:	
MAIN STREET BURLINGTON, NY		JLF	
DESIGNED:	DETAILED:	PROJECT NO.:	FIGURE:
GB	DEO	01110-5402	4

Client Number: 011105402
 Project ID: Hertz:Burlington
 Login Number: M3-04-0023

ANALYTICAL RESULTS

Purgeable Aromatics in Water
 Modified EPA Method 602^a

GTEL Sample Number		040023-01	040023-02	--	--
Client Identification		GT-1	GT-2	--	--
Date Sampled		03/30/93	03/30/93	--	--
Date Analyzed		04/06/93	04/06/93	--	--
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.2	< 0.2	120	5 --	--
Toluene	0.5	< 0.5	510	2420	--
Ethyl Benzene	0.8	< 0.8	780	2300	--
Xylenes (total)	1.7	< 1.7	5100	1,000	--
BTEX (total)	--	--	6500	--	--
Methyl tert-Butyl Ether	0.8	< 0.8	180 ^c	40 --	--
Detection Limit Multiplier ^b		1	50	--	--

- a Federal Register, Vol. 49, October 26, 1984. Method modified to include additional compounds.
- b The detection limit multiplier indicates the adjustments made to the data and detection limits for sample dilutions.
- c Methyl tert-Butyl Ether has been quantified from the primary detector and column but has not been confirmed by a secondary detector or column due to the interference of aliphatic hydrocarbons. For definitive confirmation GC/MS analysis is recommended.



Client Number: 011105402
Project ID: Hertz:Burlington
Login Number: M3-04-0023

Northeast Region
Meadowbrook Industrial Park
Milford, NH 03055
(603) 672-4835
(603) 673-8105 (FAX)

April 14, 1993

Nick Pressly
Groundwater Technology, Inc.
1245 Kings Road
Schenectady, NY 12303

Dear Mr. Pressly:

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 04/01/93 under chain-of-custody record 52221.

A formal Quality Assurance / Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified (approved) by the State of New York under number 10599.

If you have any questions regarding this analysis, or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.


Susan C. Uhler
Laboratory Director