

JUN 21 1993

M&E Metcalf & Eddy

An Air & Water Technologies Company

June 11, 1993

Mr. Ted Uncles
Mr. Marc Coleman
Vermont Department of Environmental Conservation
Management & Prevention Section
Hazardous Materials Management Division
103 South Main Street, West Building
Waterbury, Vermont 05671-0404

RE: Report: Subsurface Investigation

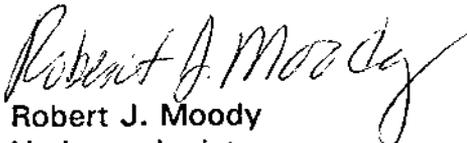
Getty Station #761120
636 Main Street, Bennington

Gentlemen:

Please find attached the report referenced above.

If you have any questions or comments, please call me at (518) 463-2100.

Sincerely,
METCALF & EDDY TECHNOLOGIES, INC.


Robert J. Moody
Hydrogeologist

enclosure

cc: J.Kelley, w/enc.

Recycled Paper

Mailing Address: P.O. Box 367, Rensselaer, NY 12144 ←
480 South Street, Rensselaer, NY 12144
Telephone: (518) 463-2108 - FAX: (518) 427-8921

 **AWT** Affiliates of Air & Water
Technologies Corporation

ORIGINAL

Subsurface Investigation

**Getty Petroleum Station #761120
636 Main Street
Bennington, Vermont**

Prepared by

**Metcalf & Eddy Technologies, Inc.
480 South Street
Rensselaer, New York 12144**

Submitted to

**Getty Petroleum Corporation
49 Riverside Avenue
Rensselaer, New York 12144**

June 1993

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1.0 INTRODUCTION

The subject Site is a Getty Gasoline Station (aka C&R Getty) located at 636 Main Street in the Town of Bennington, Vermont.

A petrotite tank test failure of the underground storage tanks which contain regular no-lead prompted this subsurface investigation.

The subsurface investigation consisted of the installation of monitoring wells, groundwater analysis for gasoline constituents and the preparation of this report which documents the findings.

A representative from the Vermont Department of Environmental Conservation, Marc Coleman, witnessed the drilling activities.

2.0 SITE DESCRIPTION

(See Figure 1 in Appendix A for Plot Plan)

The Site is occupied by a small office for the gasoline retail business and a two attached bays for auto repair work. Most of the site is paved with asphalt.

The property is rectangular in shape and measures approximately 160' east-west along Main Street and approximately 100' north-south. Main street borders the property to the south, and residences are across Main Street further to the south. An empty lot abuts the site to the north, with residences beyond the empty lot further to the north. Businesses abut the property to the east and west.

Site gasoline storage is as follows:

# - CAPACITY	PRODUCT STORED	CONSTRUCTION
2 - 4,000 gallon	gasoline, reg., n/l	steel
1 - 4,000 gallon	gasoline, plus	steel
1 - 4,000 gallon	gasoline, premium	steel

The UST area is depicted on the plot plan. All four tanks are aligned north-south and are side by side. The middle two tanks, which contain the regular grade, are manifolded together to a single product line which runs to the dispensers.

Site utilities include water, sewer and overhead electric. No consumption wells are on the site. The building is heated with heating oil.

3.0 SUBSURFACE INVESTIGATION

a) Well Construction

On May 18, 1993, Metcalf & Eddy Technologies, Inc. (M&E) obtained Dig Safe No. 93211910 for the Site and attempted to install the wells via hollow stem auger, but refusals were encountered in all three locations. The refusals all occurred at approximately 3' below ground surface (bgs).

On May 25, 1993, the four - 2" diameter PVC wells were installed via air rotary drilling, using a Reich Drill Model 650. The boring logs are included in Appendix C. The wells were labeled MW-1 through MW-4. The borings and wells were advanced five to ten feet into the water table. An 8" roller bit was used to advance the boring from grade to a depth of approximately 10'. Then a 6" diameter temporary steel casing was driven into the boring down to approximately 19' below grade. The temporary casing was cleaned out periodically with a 5-7/8" roller bit and air. After the casing was cleaned out and the well was set and backfilled, the steel casing was pulled. This method was using at all four well locations. The casing was required because each boring collapsed when the roller bit was used without the casing.

The wells were screened three to five feet above the water table and well screen extended to the bottom of each well. A threaded well point was installed in the bottom of each well screen. The well screen contained 0.010" machined slots and was delivered pre-cleaned from the manufacturer. The well pipes remained inside the manufacturer's protective plastic wrap until immediately before they were installed. Solid PVC riser was threaded onto the screened section and was used above the screen in the unsaturated zone. The annulus of each well was backfilled with clean #2 gravel pack. Each annulus was sealed around the riser pipe with a one foot thick bentonite pellet seal. The seals were located approximately 2 feet above the top of each screen section. A protective steel casing was grouted flush with surface grade around the top of each well, and an expandable rubber seal was installed into the top of each well to prevent direct infiltration of surface water into the wells. Each well was developed by bailing to remove sediment, to repair the formation and to develop lines of flow to the wells.

b) Soil Field Screening and Sampling

Because of the lack of discrete samples produced by air rotary drilling, soil samples were not available.

No odors were noticed in the drilling air when the borings were being cleaned out.

4.0 SITE GEOLOGY

Boulders were present between 2' below grade and approximately 14'. Below 14', a layer of silty sand was encountered. The sand was wet and appeared to be the water-bearing formation. The borings were advanced to 19' - 20' below grade and bedrock was not encountered. No odors were present in the soil cuttings.

5.0 SITE HYDROGEOLOGY

Groundwater was encountered at approximately 14' bgs during drilling. On May 27, 1993, the groundwater was observed between 8.5' and 10.0' bgs. On May 25, 1993 the top of each PVC well casing was surveyed to an arbitrary benchmark of 100' (MW-4, top of PVC). The elevations of the well casings and groundwater are detailed in Table 1 of Appendix B. Based upon the survey data and the depth to groundwater data collected on May 27, 1993, the direction of groundwater movement was calculated to be northeasterly at a hydraulic gradient of 0.0096 (0.96%). The hydraulic gradient was calculated from wells MW-1 and MW-4. Refer to the groundwater contour map (Figure 2) in Appendix A. The direction of groundwater movement is perpendicular to the water table contours and moves from higher to lower areas.

6.0 GROUNDWATER QUALITY

a) *Groundwater Monitoring and Sampling*

On May 27, 1993, all four Site wells were gauged for depth to water. The wells were purged and groundwater from each well was sampled for analysis for volatile organic compounds and Methyl tertiary Butyl Ether (MtBE) per EPA Method 602.

The depth to groundwater was gauged in all Site monitoring wells using an sonic water probe. The depth from the reference point at the top of each PVC well casing was recorded on a field data log sheet. The instrument was decontaminated between wells thoroughly using methanol and distilled water to prevent cross contamination.

Before the groundwater samples were collected, 3-5 well volumes of water were purged from each well to remove stagnant water and to obtain a representative sample of groundwater from the surrounding formation. All purging and sampling equipment was decontaminated before each well using methanol and distilled water to prevent cross contamination.

When the purging was completed, groundwater from each well was collected using a dedicated bailer located in each well and transferred to three 40 ml pre-cleaned glass sample vials (VOA vials) containing teflon septa. All samples were kept refrigerated and delivered under chain of custody to Endyne Laboratories, Inc., Williston, Vermont the next day after sample collection.

b) *Groundwater Analytical Data*

The results of the chemical analysis of the groundwater from well MW-1 reveal elevated concentrations of benzene, toluene, ethyl benzene, xylenes and MtBE. Groundwater from well MW-2 contained 1.1 ppb of benzene and 49.6 ppb of MtBE. Groundwater from wells MW-3 and MW-4 did not contain reportable levels of VOCs/MtBE. Table 3 in Appendix D summarizes the results of the chemical analysis of the groundwater. The actual lab data sheets and a copy of the Chain of Custody form are included in Appendix G. Figure 4 in Appendix C is a map of the hydrocarbon concentrations observed or detected in the groundwater from Site wells.

APPENDIX A

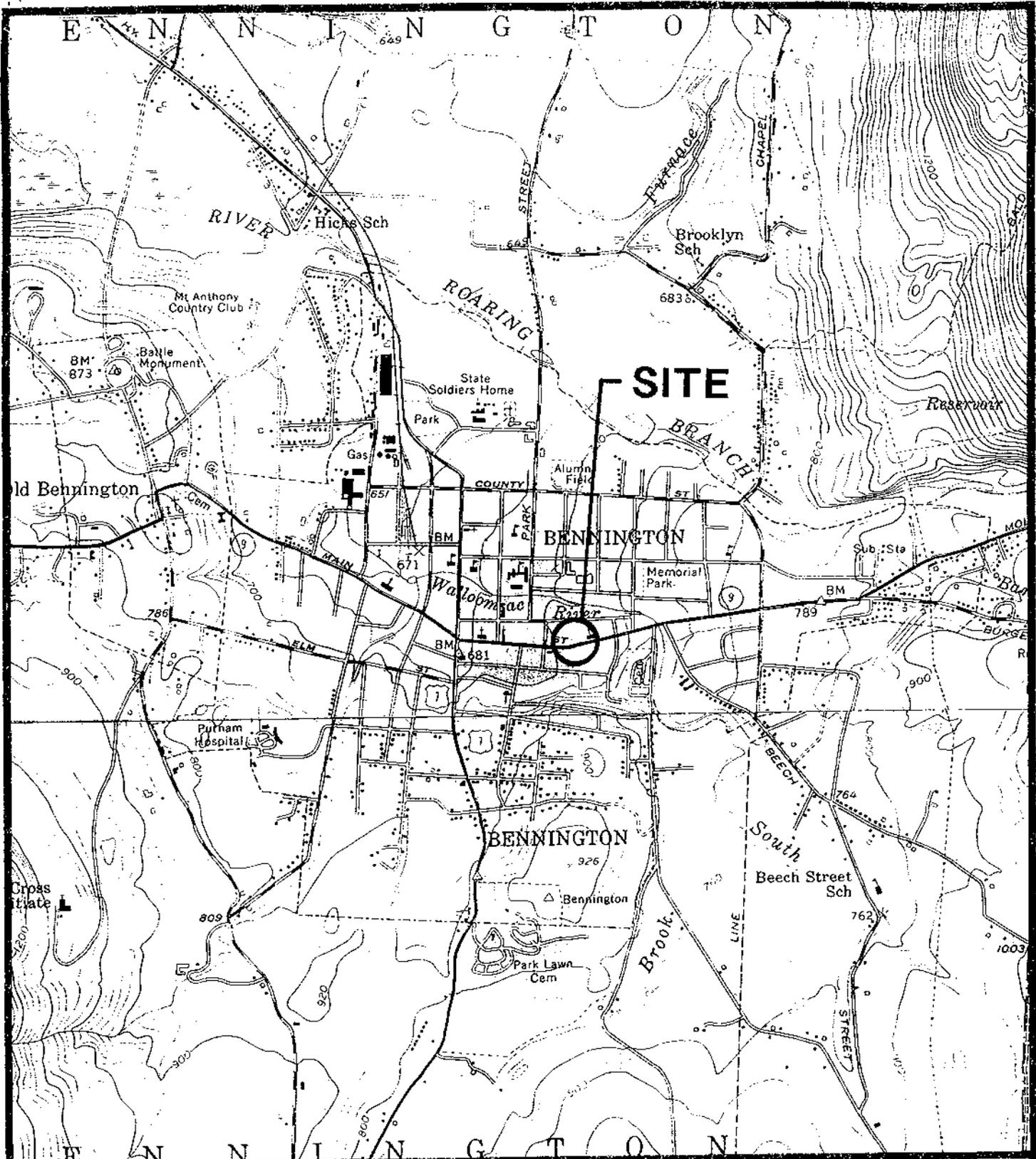
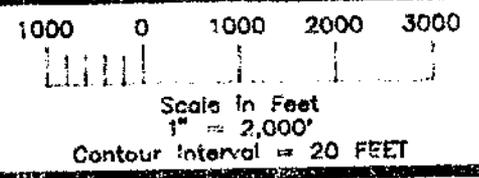


FIGURE 1
C & R GETTY
636 MAIN ST. BENNINGTON, VT
SITE LOCATION MAP

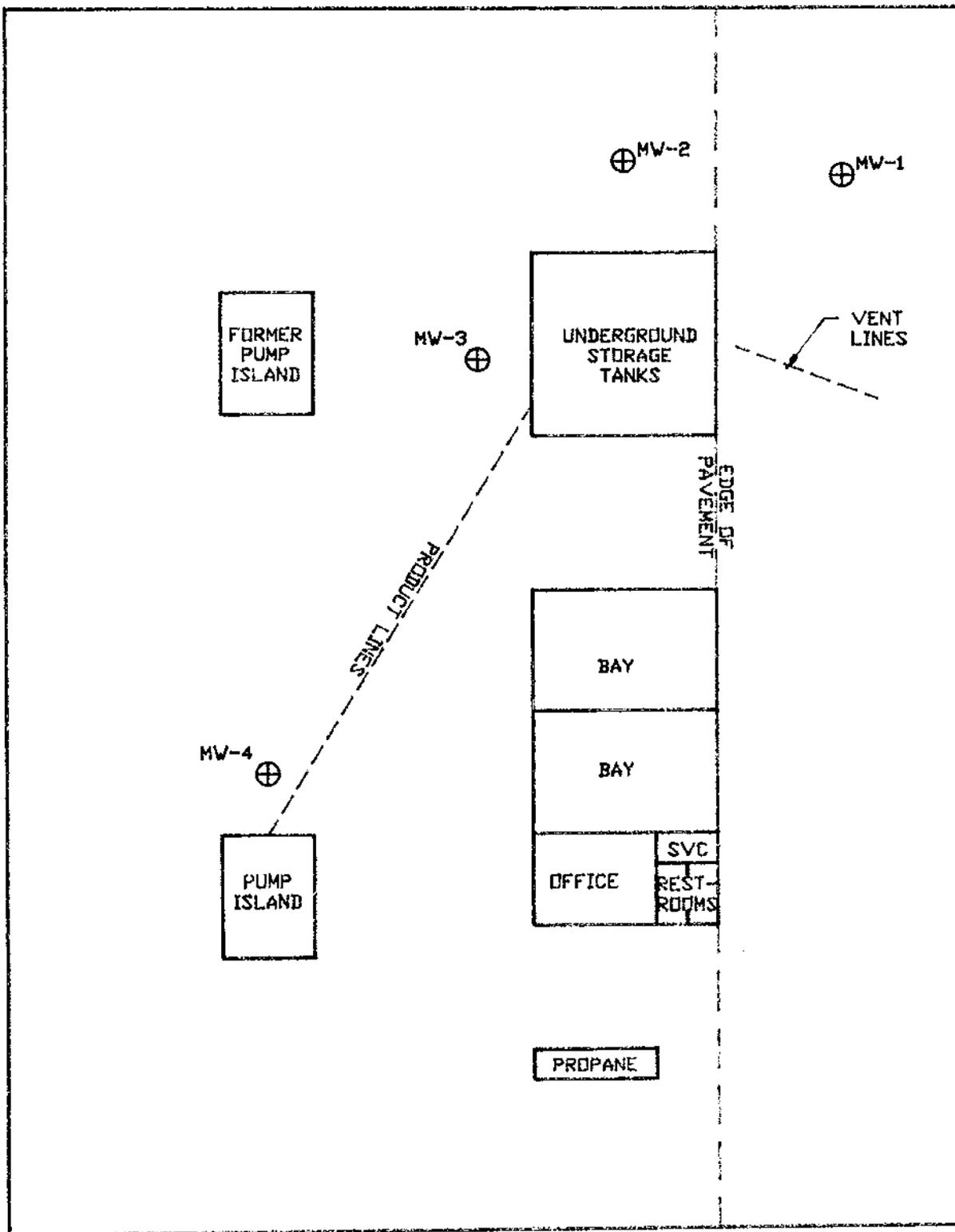
M&E Metcalf & Eddy
 An Air & Water Technologies Company
 480 South Street • Rensselaer, N.Y. 12144

SOURCE: USGS 7.5 Minute Series
 Topographic map; Pownal and
 Bennington, VT Quadrangles (1954)



Date 6/11/93
 Drawn By TJD
 Approved By RM

MAIN STREET



M&E Metcalf & Eddy
 An Air & Water Technologies Company
 480 South Street • Rensselaer, N.Y. 12144

C & R GETTY
 636 MAIN ST. BENNINGTON, VT

PLOT PLAN

Drawn By TJD	Scale 1"=20'	Job # 009563
Approved By	Date 6/9/93	Fig # 2

LEGEND

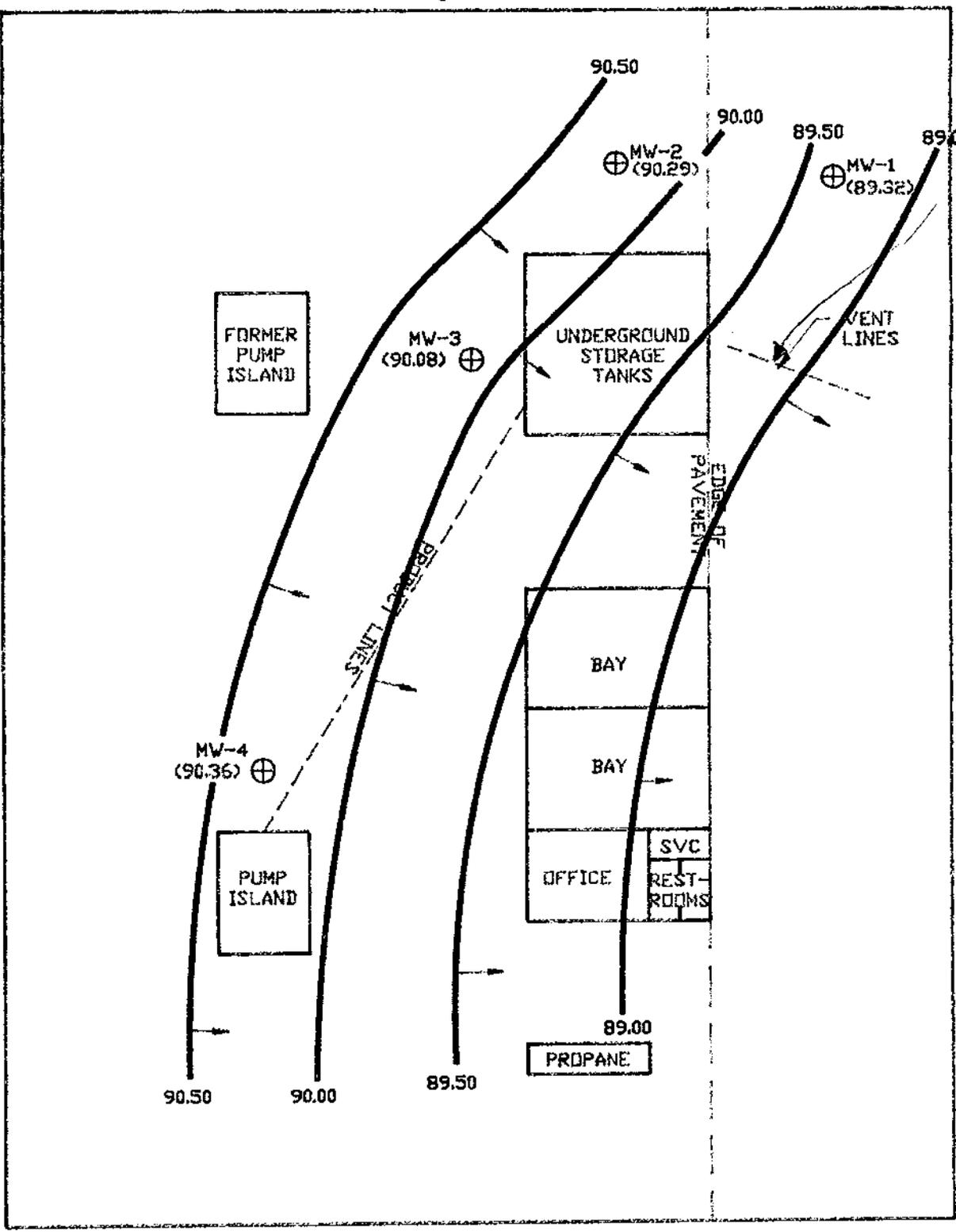
⊕ MW-2 MONITORING WELL



Map Scale (ft)



MAIN STREET



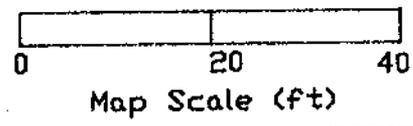
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C & R GETTY
 636 MAIN ST. BENNINGTON, VT

GROUNDWATER CONTOUR MAP
 5/27/93

LEGEND

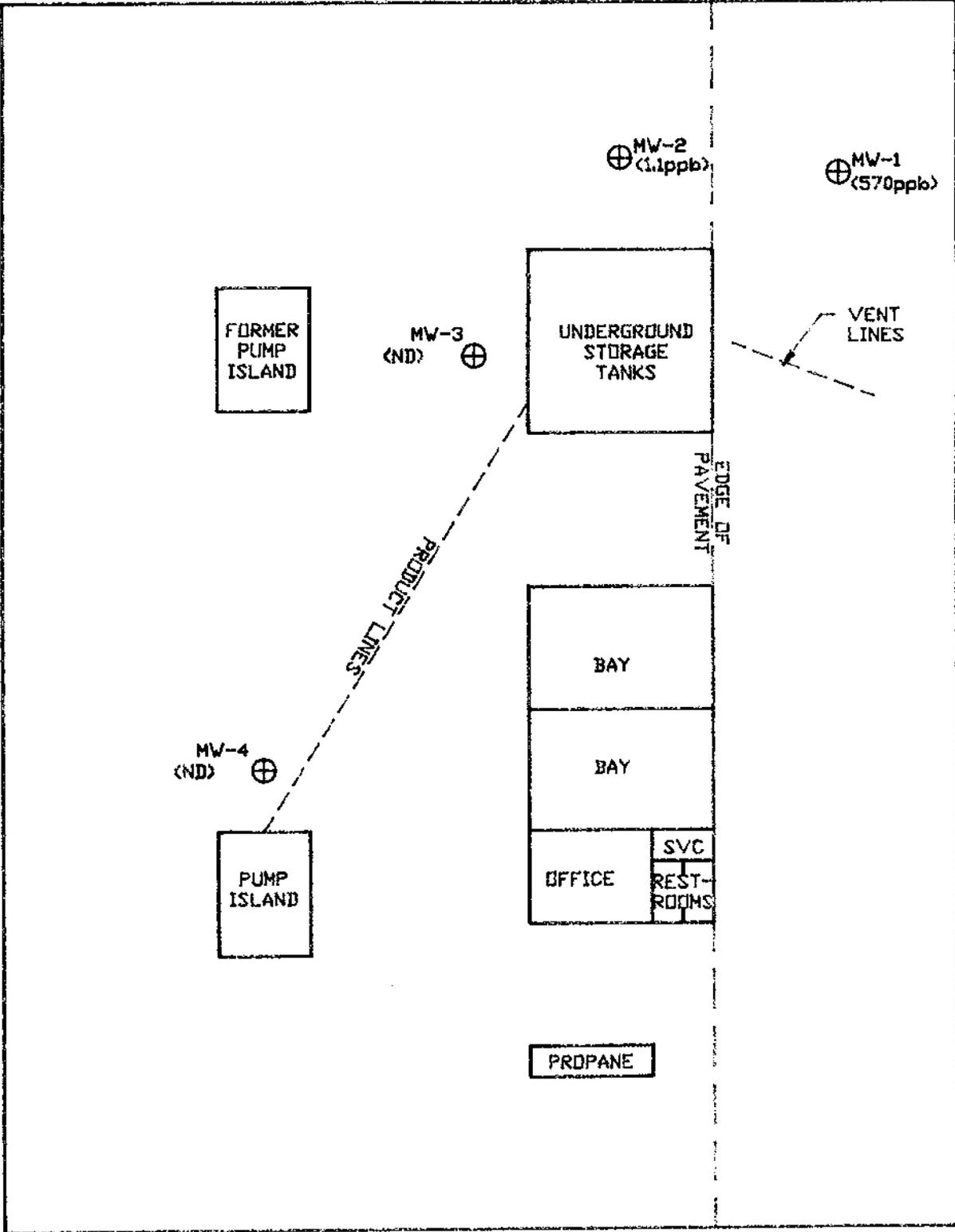
⊕ MW-2 MONITORING WELL



Drawn By TJD	Scale 1"=20'	Job # 009563
Approved By	Date 6/10/93	Fig. # 3



MAIN STREET



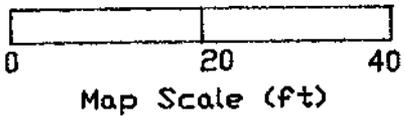
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 An Air & Water Technologies Company
 480 South Street • Rensselaer, N.Y. 12144

C & R GETTY
 636 MAIN ST. BENNINGTON, VT

BTEX IN GROUNDWATER
 5/27/93

LEGEND

⊕ MW-2 MONITORING WELL



Drawn By TJD	Scale 1"=20'	Job # 009563
Approved By	Date 6/11/93	Fig # 4

APPENDIX B

Getty Petroleum Station #761120
636 Main Street
Bennington, VT

TABLE 1

Well Monitoring Data

May 27, 1993

WELL #	TOP OF CASING ELEVATION	WELL PT.	DEPTH TO H ₂ O	PRODUCT	G.H ₂ O ELEVATION
MW-1	99.27'	19.00	9.95'	None	89.32'
MW-2	99.22'	19.00	8.93'	None	90.29'
MW-3	99.75'	19.00	9.67'	None	90.08'
MW-4	100.00'	19.00	9.64'	None	90.36'

Getty Petroleum Station #761120
636 Main Street
Bennington, VT

TABLE 2

BTEX and MtBE Data

May 27, 1993

Sample Location	Ben.	Tol.	Eth. Ben.	Tot. Xyl.	BTEX	MtBE
MW-1	268	209	8.5	84.8	570	868
MW-2	1.1	TBQ	ND	TBQ	1.1	49.6
MW-3	ND	ND	ND	ND	ND	ND
MW-4	ND	ND	ND	ND	ND	ND

1. Results are reported in micrograms per liter ($\mu\text{g/l}$) which approximates parts per billion.
2. ND = None Detected. Detection Limits: one microgram per liter ($\mu\text{g/l}$) for individual BTEX compounds, five $\mu\text{g/l}$ for MtBE.
3. TBQ = Trace Below Quantitative Level.
4. EPA Method 602 was used.

APPENDIX C

METCALF & EDDY/ANDERSON DIV.
480 SOUTH STREET
RENSSELAER, NY 12144

SITE:
 Car Goffy
 636 MAIN ST
 Bennington, VT

SKETCH - WELL NO. MW-1

MW-1



USTS

STATION

— MAIN ST —

DRILLER: HAWK Drilling WELL DEPTH: 19'
 INSPECTOR: MOODY RISER: 0.5'-5.0'
 START DATE: 5-25-93 SCREEN: 5.0'-19.0'
 FINISH DATE: 5-25-93 SIZE ID: 2"

PAGE 1

OF

PAGE 1

T₀ = 09:15 T_F = 11:30

DEPTH (FT)	NO	RANGE (FT)	SAMPLER		PPM	WELL SKETCH	WELL SPECS	FIELD CLASSIFICATION AND REMARKS
			BLOWS	REC				
						<p>Temp. 6" STEEL CASING</p> <p>Bentonite PELLETS 2'-3'</p> <p>Solid PVC 0.5'-5.0'</p> <p>CLEAN SAND BACKFILL</p> <p>0.01" SLOT SCREEN 5'-19'</p> <p>14'</p> <p>PVC F. Thr. POINT</p> <p>E.O.B.-19'</p> <p>Boring D.I.A. 8 3/4"</p> <p>6" Steel Roadbox FLUSH. GUNTED TO GRADE</p>	<p>GRASS/DIRT SURFACE</p> <p>Begin - 1 8 3/4" bit to 20' to</p> <p>lg. boulder 2 6"</p> <p>7-9' rock</p> <p>Slight swell size of detected by drill in drilling Air hole caves in to 6'. will INST. Temp. CASING (drilled to 20', CAVE IN to 10')</p> <p>10'-12' - SAND</p> <p>6 3/4" OD casing</p> <p>Silty 2 14'</p> <p>6" roller bit to</p> <p>CASED TO 19'</p> <p>Gley. v. F. SAND w/ SILT 2 16'</p> <p>Air Rotary Drilling Rig: Reich Drill Model 650 1989</p>	
5'								
10'								
15'								
20'								

METCALF & EDDY/ANDERSON DIV.
480 SOUTH STREET
RENSSELAER, NY 12144

SITE:
C & R Getts
636 Main St.
Bennington, VT

SKETCH - WELL NO. MW-2
N

DRILLER: Hawk Drilling WELL DEPTH: 19'
INSPECTOR: MOODY RISER: 0.5'-5.0'
START DATE: 5-25-93 SCREEN: 5.0'-19'
FINISH DATE: 5-25-93 SIZE ID: 2"

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PAGE 1

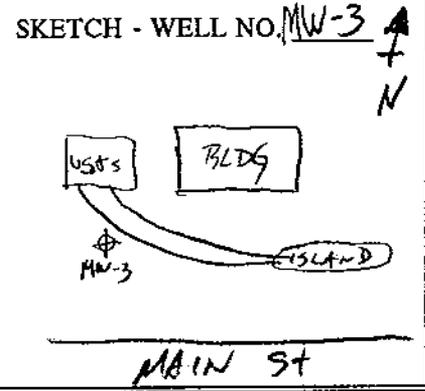
MW-2 USE BLDG
MAIN ST

T₀ = 11:32 T_F = 12:45

DEPTH (FT)	NO	RANGE (FT)	SAMPLER		PPM	WELL SKETCH	WELL SPECS	FIELD CLASSIFICATION AND REMARKS
			BLOWS	REC				
						<p>temp. casing Berkshire solid PVC #2 silica sand screen threaded PVC POINT E.O.B. @ 20'</p>		ASPHALT SURFACE
								Boulders
5'								Fragments same as MW-1
								210' @ 11:43 am. broke through boulders NO ODOE.
10'								215' @ 11:52 am Drove 6" casing to 20' (hole collapsed from 15' to 11')
								Push casing to 20' @ 12:05 pm
15'								
20'								
								Air Rotary Drilling

METCALF & EDDY/ANDERSON DIV.
 480 SOUTH STREET
 RENSSELAER, NY 12144

SITE:
 Car Getty
 636 MAIN St.
 Bennington, VT



T₀ = 13:30 T_F = 14:55

DRILLER: Hawk Drilling WELL DEPTH: 19'
 INSPECTOR: M6004 RISER: 0.5' - 5.0'
 START DATE: 5-25-93 SCREEN: 5.0' - 19'
 FINISH DATE: 5-25-93 SIZE ID: 2"

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 PAGE 1

DEPTH (FT)	NO	RANGE (FT)	SAMPLER		PPM	WELL SKETCH	WELL SPECS	FIELD CLASSIFICATION AND REMARKS
			BLOWS	REC				
						<p>Labels for sketch: - Solid RISER - Bentonite - 0.010" SWT SCREEN - #2 Silica - Temp. CASING - 2" threaded POINT</p>		ASPHALT SURFACE
								Boulders > 18" - 12" (CONTINUOUS)
5'								
10'								2 10' 2 13:57 P.M.
15'								SILTY SANDS 2 16'
								Hole stayed open to 15'
20'								Cased to 20'
								Much water
							Water ≈ 13'	
								Well pt. set 2 14:39
								Air Rotary Drilling

METCALF & EDDY/ANDERSON DIV.
480 SOUTH STREET
RENSELAER, NY 12144

T₀ = 15:20 T_F = 16:35

DRILLER: Hawk Drilling WELL DEPTH: 19'
 INSPECTOR: MOODY RISER: 0.5' - 5.0'
 START DATE: 5-25-93 SCREEN: 5.0' - 19'
 FINISH DATE: 5-25-93 SIZE ID: 2"

SITE:
 C & R Getts
 636 Main St.
 Bennington, VT

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SKETCH - WELL NO. MW-4

USTS

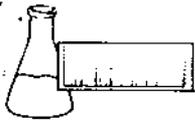
BLDG

ISLAND

MAIN ST

DEPTH (FT)	NO	RANGE (FT)	SAMPLER		PPM	WELL SKETCH	WELL SPECS	FIELD CLASSIFICATION AND REMARKS
			BLOWS	REC				
								Asphalt
						well seal		Boilers & SAND
						Bambide		
5'						Riser		
						SILICA SAND		
10'						0.010" SLOTT		2 10' @ 15:42
						5' - 19'		Boilers and 2 14'
15'								
						temp. casing		
20'						well point		2 20' @ 15:52
								6/8 3/4" BIT
								Well point @ 19' @ 16:23
								Backfilled @ 16:35
								Air Rotary Drilling

APPENDIX D



ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

REPORT OF LABORATORY ANALYSIS

CLIENT: Metcalf & Eddy, Inc.
PROJECT NAME: C & R Getty
REPORT DATE: June 9, 1993
DATE SAMPLED: May 27, 1993

PROJECT CODE: METC1761
REF.#: 46,822 - 46,825

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. Chain of custody indicated samples were preserved with HCl.

All samples were prepared and analyzed by requirements outlined in the referenced method and within the specified holding times. All instrumentation was calibrated with the appropriate frequency and verified by the requirements outlined in the referenced method. Blank contamination was not observed at levels affecting the analytical results.

Analytical method precision and accuracy was monitored by laboratory control standards which included matrix spike, duplicate and quality control analyses. These standards were determined to be within established laboratory method acceptance limits.

Individual sample performance was monitored by the addition of surrogate analytes to each sample. All surrogate recovery data was determined to be within laboratory QA/QC guidelines unless otherwise noted.

Reviewed by,

Harry B. Locker, Ph.D.
Laboratory Director

enclosures



ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

EPA METHOD 602 -- PURGEABLE AROMATICS

CLIENT: Metcalf & Eddy, Inc.
PROJECT NAME: C & R Getty
REPORT DATE: June 9, 1993
DATE SAMPLED: May 27, 1993
DATE RECEIVED: May 27, 1993
ANALYSIS DATE: June 8, 1993

PROJECT CODE: METC1761
REF.#: 46,822
STATION: MW-1
TIME SAMPLED: 9:18
SAMPLER: M. Ratos

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Benzene	1	268
Chlorobenzene	1	ND ¹
1,2-Dichlorobenzene	1	ND
1,3-Dichlorobenzene	1	ND
1,4-Dichlorobenzene	1	ND
Ethylbenzene	1	8.5
Toluene	1	209
Xylenes	1	84.8
MTBE	5	868.

Bromobenzene Surrogate Recovery: 94%

NUMBER OF UNIDENTIFIED PEAKS FOUND: >25

NOTES:

1 None Detected



ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

EPA METHOD 602 -- PURGEABLE AROMATICS

CLIENT: Metcalf & Eddy, Inc.
PROJECT NAME: C & R Getty
REPORT DATE: June 9, 1993
DATE SAMPLED: May 27, 1993
DATE RECEIVED: May 27, 1993
ANALYSIS DATE: June 8, 1993

PROJECT CODE: METC1761
REF.#: 46,823
STATION: MW-2
TIME SAMPLED: 9:28
SAMPLER: M. Ratos

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Benzene	1	1.1
Chlorobenzene	1	ND ¹
1,2-Dichlorobenzene	1	ND
1,3-Dichlorobenzene	1	ND
1,4-Dichlorobenzene	1	ND
Ethylbenzene	1	ND
Toluene	1	TBQ ²
Xylenes	1	TBQ
MTBE	5	49.6

Bromobenzene Surrogate Recovery: 94%

NUMBER OF UNIDENTIFIED PEAKS FOUND: 2

NOTES:

- 1 None Detected
- 2 Trace Below Quantitative Level



ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

EPA METHOD 602 -- PURGEABLE AROMATICS

CLIENT: Metcalf & Eddy, Inc.
PROJECT NAME: C & R Getty
REPORT DATE: June 9, 1993
DATE SAMPLED: May 27, 1993
DATE RECEIVED: May 27, 1993
ANALYSIS DATE: June 8, 1993

PROJECT CODE: METC1761
REF.#: 46,824
STATION: MW-3
TIME SAMPLED: 9:34
SAMPLER: M. Ratos

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Benzene	1	ND ¹
Chlorobenzene	1	ND
1,2-Dichlorobenzene	1	ND
1,3-Dichlorobenzene	1	ND
1,4-Dichlorobenzene	1	ND
Ethylbenzene	1	ND
Toluene	1	ND
Xylenes	1	ND
MTBE	5	ND

Bromobenzene Surrogate Recovery: 97%

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 None Detected



ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

EPA METHOD 602 -- PURGEABLE AROMATICS

CLIENT: Metcalf & Eddy, Inc.
PROJECT NAME: C & R Getty
REPORT DATE: June 9, 1993
DATE SAMPLED: May 27, 1993
DATE RECEIVED: May 27, 1993
ANALYSIS DATE: June 8, 1993

PROJECT CODE: METC1761
REF.#: 46,825
STATION: MW-4
TIME SAMPLED: 9:41
SAMPLER: M. Ratos

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Benzene	1	ND ¹
Chlorobenzene	1	ND
1,2-Dichlorobenzene	1	ND
1,3-Dichlorobenzene	1	ND
1,4-Dichlorobenzene	1	ND
Ethylbenzene	1	ND
Toluene	1	ND
Xylenes	1	ND
MTBE	5	ND

Bromobenzene Surrogate Recovery: 97%

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 None Detected



ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

EPA METHOD 602 LABORATORY REPORT

MATRIX SPIKE AND DUPLICATE LABORATORY CONTROL DATA

CLIENT: Metcalf & Eddy, Inc.
PROJECT NAME: C & R Getty
REPORT DATE: June 9, 1993
DATE SAMPLED: May 27, 1993
DATE RECEIVED: May 27, 1993
ANALYSIS DATE: June 8, 1993

PROJECT CODE: METC1761
REF.#: 46,823
STATION: MW-2
TIME SAMPLED: 9:28
SAMPLER: M. Ratos

<u>Parameter</u>	<u>Sample(ug/L)</u>	<u>Spike(ug/L)</u>	<u>Dup1(ug/L)</u>	<u>Dup2(ug/L)</u>	<u>Avg % Rec</u>
Benzene	1.1	10	11.3	12.8	110%
Toluene	TBQ ¹	10	10.9	12.3	116%
Ethylbenzene	ND ²	10	9.7	11.7	107%
Xylenes	TBQ	30	29.8	35.8	109%

NOTES:

1 Trace Below Quantitation Level

2 None Detected

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333

CHAIN-OF-CUSTODY RECORD

00641

Project Name: C & R SETTY

Site Location: 636 MAW ST., Bennington, VT

Reporting Address: 480 SOUTH ST
Rensselaer, NY 12144

Billing Address: SAME

Endyne Project Number: Metc 1761

Company: Metcalf & Eddy, Inc.
Contact Name/Phone #: R. MOODY (518) 463-2100

Sampler Name: Michael Rato S
Phone #: 518-463-2100

Lab #	Sample Location	Matrix	G R A B	C O M P	Date/Time	Sample Containers		Field Results/Remarks	Analysis Required	Sample Preservation	Res
						No.	Type/Size				
46822	MW-1										
46823	MW-2	W	✓		5-27-93/9:38A	2	40 ml				
46824	MW-3	"	✓		9:28A	2	"		602, mTOE	HCl	
46825	MW-4	"	✓		9:31A	2	"		602 mTOE	"	
		"	✓		9:41	2	"		602 mTOE	"	
		"							602 mTOE	"	

Paul B...

Relinquished by: Signature Michael Rato S

Received by: Signature

Date/Time 12/10 5-27-93

Relinquished by: Signature

Received by: Signature

Chris Kane

Date/Time 5/22/93 4:00

Requested Analyses

1	pH	6	TKN	11	Total Solids	16	Metals (Specify)	21	EPA 624	26	EPA 8270 3/N or Acid
2	Chloride	7	Total P	12	TSS	17	Coliform (Specify)	22	EPA 625 B/N or A	27	EPA 8010/8020
3	Ammonia N	8	Total Diss. P	13	TDS	18	COD	23	EPA 418.1	28	EPA 8080 PcsuPCB
4	Nitrite N	9	BOD ₅	14	Turbidity	19	BTEX	24	EPA 603 PcsuPCB		
5	Nitrate N	10	Alkalinity	15	Conductivity	20	EPA 601/602	25	EPA 8240		
29	TCLP (Specify: volatiles, semi-volatiles, metals, pesticides, herbicides)										
30	Other (Specify):										