



UTILITY VAULT™ COMPANY

a division of  Oldcastle Precast, Inc.

www.oldcastle-precast.com

1901 Isabel Ave. • Livermore, CA 94550

Phone (925) 426-1101
Fax (925) 484-2691
curtis.fletcher@oldcastleprecast.com

February 23, 2001

Name Eva Chu
Address 1131 Harbor Bay Pkwy.
Address Suite 250
City, State Zip Alameda, Ca. 94502

Re: Soil Sampling Report

Dear Eva:

Enclosed is the Soil Sampling Report you wanted. I prepared the report and Arshad Vali our chief engineer reviewed and signed off on it.

If you have any questions, please call. It would be best to call my cell number, 925-383-6493, because I never know where I will be at any given moment.

Sincerely yours,



Curt Fletcher
Safety Coordinator
Oakland, Pleasanton, Livermore, Tulare

Soil Sampling Results

at

1901 Isabel

Livermore, California

curtis.fletcher@oldcastleprecast.com.

Contents

<u>Section</u>	<u>Page</u>
1.0 Introduction	1
1.1 Background	1
1.2 Methodology	1
1.3 Limitations	2
2.0 Pre-Field Activities	2
3.0 Field Activities	2
4.0 Laboratory Analysis	3
5.0 Findings	3
6.0 Conclusions	3

Figures

- 1 Livermore Map-Sampling Locations
- 2 Three Dimensional Site Map of Wash Pit Area.

Appendices

- A Laboratory Analytical Data Sheets & Chain-of-custody documentation
- B Republic Services Invoices

1.0 Introduction

This report details the investigation of the soil sampling conducted at Utility Vault's Livermore site. The goal of this project was to determine the appropriate actions to take involving the soil and materials associated with the wash pit area, located west of the Rebar/Cage building. As a result of this investigation, it was determined that the low level of contamination allowed all material to be disposed of at Republic Services Landfill.

1.1 Limitations

The information and opinions rendered in this report are exclusively for use by Utility Vault. No parties are to distribute this report without the consent of Utility Vault Company except by law or court order.

1.2 Background

An Associated Concrete Product's truck driver installed the wash pit area approximately ten years ago. In concept the oil/water separator was to have the baskets removed and cleaned on a regular basis, however there is no documentation to show that it was done.

The stored drums on the east side of the production building had been placed on a concrete slab with six-inch curbs. An old photograph which Eva Chu had in her possession showed the slab full of water, offering no secondary containment capabilities for the drums.

The wash pit environmental concerns originated with Paul Smith, Hazardous Materials Specialist from the County of Alameda Public Works Agency. He first noted the problems on May 2, 2000 during an inspection of the site. Utility Vault became the new owner of the Newbasis site on December 1, 2000. Shortly thereafter, we became aware of the environmental concerns. After considering several options, Utility Vault decided to dispose of the vault, its contents and any soil or rocks that had come in contact with the system. The level of contamination found in the samples would determine the site to which the materials would be sent.

Paul Smith recommended contacting Robert Weston, an associate of his at the Alameda County, Department of Environmental Health. Robert Weston turned the project over to Eva Chu, who specializes in soil contamination. Eva Chu having discussed the Livermore site with Paul Smith had the same concerns with the wash pit site and after their discussions had concerns with an area east of the production building. This area had potential soil contamination due to waste drums being stored

improperly, prior to our acquisition of the site. Eva Chu and I discussed Utility Vault's desire to find any contamination, so that Newbasis would be held responsible.

1.3 Methodology

After several conversations with Eva Chu, she accepted a formal scope of work involving the wash pit system, which included the five sampling locations. After arriving on site, Eva Chu expressed concern with the area east of the production building. After viewing the area, she formally requested that three samples be taken. Utility Vault's investigation included the following components:

Pre-field activities

Field Activities

Laboratory analysis

Data evaluation and report development

2.0 Pre-Field Activities

On January 18, 2001 a scope of work was prepared and sent to Robert Weston, an associate of Paul Smith and Eva Chu. A week later Eva Chu was assigned to the project. She asked for and received a revised scope of work. PCM Excavating & Trucking Company was contracted to perform the removal and transportation of material to one of the three off site landfills. A brass sleeve soil sampling kit was rented from, Environmental Instruments Leasing Co. Republic Services, Altamont Pass Landfill and Safety Kleen were notified of possible deliveries of material. Republic Services supplied their maximum allowable limits for review. The certified laboratory, Curtis & Tompkins was notified of the types of tests to be run on the samples, with a 24-hour turnaround time.

3.0 Field Activities

On January 31, 2001 Eva Chu arrived to supervise the sampling process. We viewed the wash pit area and inspected the area on the east side of the building. After looking at a photo of the location showing the removed slab and drums, Eva Chu requested two samples be taken near the power transformer. She then requested a sample to be taken near the Form Oil secondary containment vault.

At 1:00 Eva Chu observed Curtis Fletcher taking a sample at sample location #1, two feet below surface mid point between the vault and leach pit. At approximately 1:30, Eva Chu had to depart from the site and I (Curtis Fletcher) was entrusted to properly take the remaining samples. Those locations are shown on Figure 1 and Figure 2.

Each sample was taken with the brass sleeve soil sampling kit and sealed with Teflon tape, plastic end caps, labeled and placed in a pre-chilled cooler. The samples were then delivered to the laboratory under formal chain-of-custody documentation.

4.0 Laboratory Analysis

The eight samples were submitted to Curtis & Tompkins, Ltd., a State of California certified laboratory in Berkeley, California. The samples were analyzed following the United States Environmental Protection (USEPA) approved methods. Copies of the certified analytical data sheets and chain-of-custody documentation are included in Appendix A.

5.0 Findings

Utility Vault has evaluated the data in conjunction with Curtis & Tompkins laboratories. There was no detectable Gasoline C7-C12, MTBE, Benzene, Toluene, Ethyl benzene, m,p-Xylenes, o-Xylene in any samples except #2. That sample was from the first basket of the vault and had 47 mg/kg Gasoline C7-C12, 5.1 ug/kg Toluene, 10 ug/kg Ethylbenzene, 11 ug/kg m,p-Xylenes and 19 ug/kg o-Xylene.

There is some evidence of Diesel fuel and Motor oil in all samples, the lowest level being 3.8 mg/kg Diesel and 18 mg/kg Oil in sample #8, to the highest being 2,000 mg/kg Diesel and 7,000 mg/kg Oil in sample #2. Again, sample #2 was from the first basket in the vault.

6.0 Conclusion

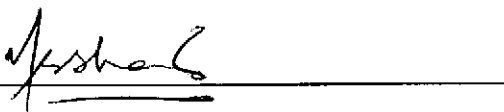
Republic Services Landfill was faxed a copy on the sampling analysis on February 2, 2001. The contents of the baskets were contaminated with petroleum products; however, the reported concentrations are within their limits. The remaining samples involving the wash pit area were uncontaminated; therefore, PCM Excavating & Trucking transported the vault, its' contents and all soil and rock associated with the wash pit system to Republic Services Landfill on February 7th, 8th and 9th. Copies of the Republic Services Landfill Invoices are included in Appendix B.

Of the three samples on the east side of the production building, one had a slight contamination of motor oil, reading 160 mg/kg. Having discussed this data with Eva Chu, I have concluded it is within the limits set for industrial property.

To insure no future contamination from improperly stored drums, all 55 gal. drums have been placed in adequate secondary containment vaults with proper weather protection. Five spill kits have been placed throughout the plant and all personnel are being trained on proper environmental practices and spill cleanup.

Report Prepared by: 

Curtis Fletcher
Safety Coordinator
Oakland, Pleasanton, Livermore, Tulare

Report Review by: 

Arshad Vali
Assistant General Manager/Chief Engineer
Oakland, Pleasanton, Livermore, Tulare

February 23, 2001

Figure 1
Livermore Map
Sample Locations

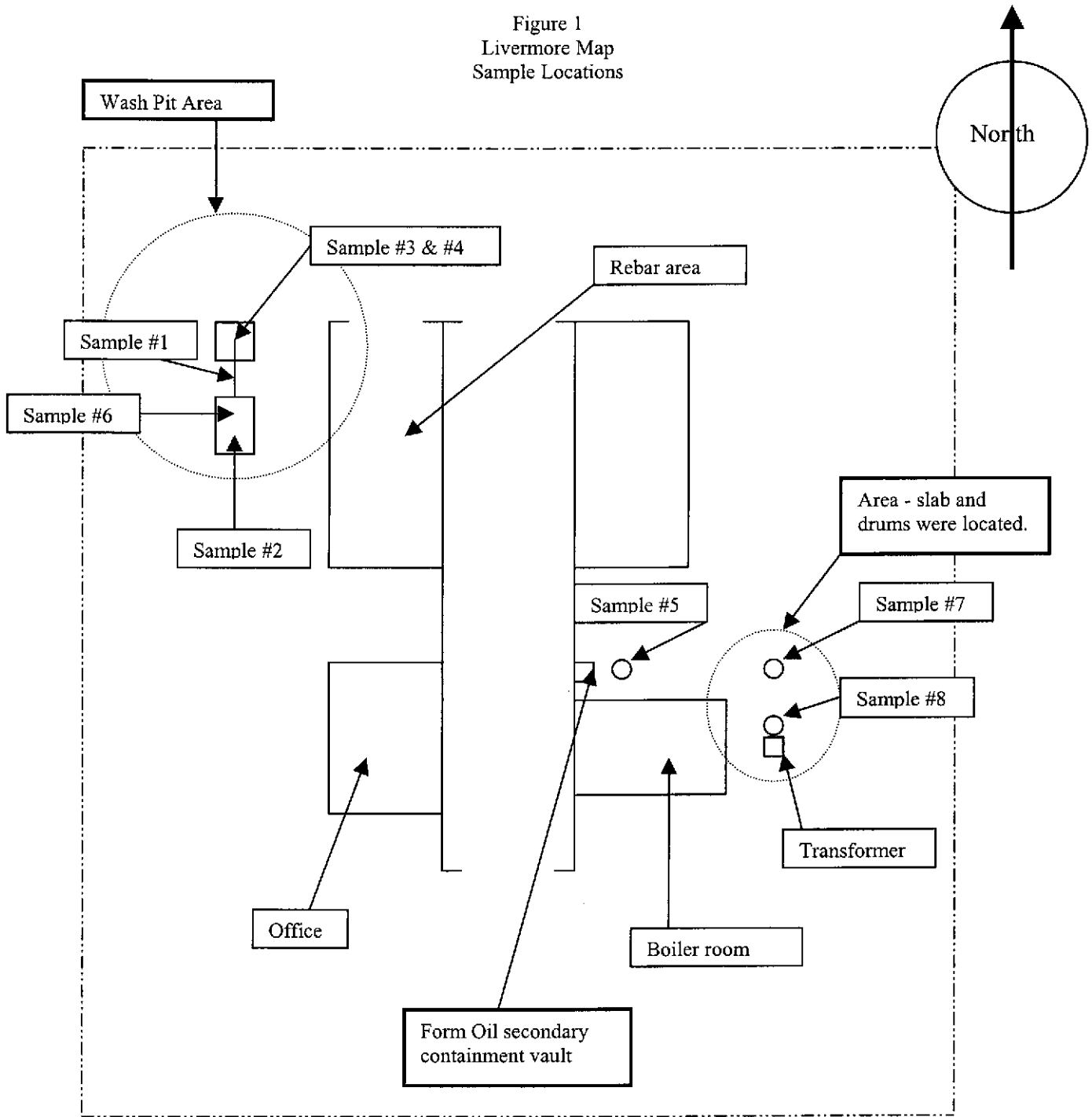
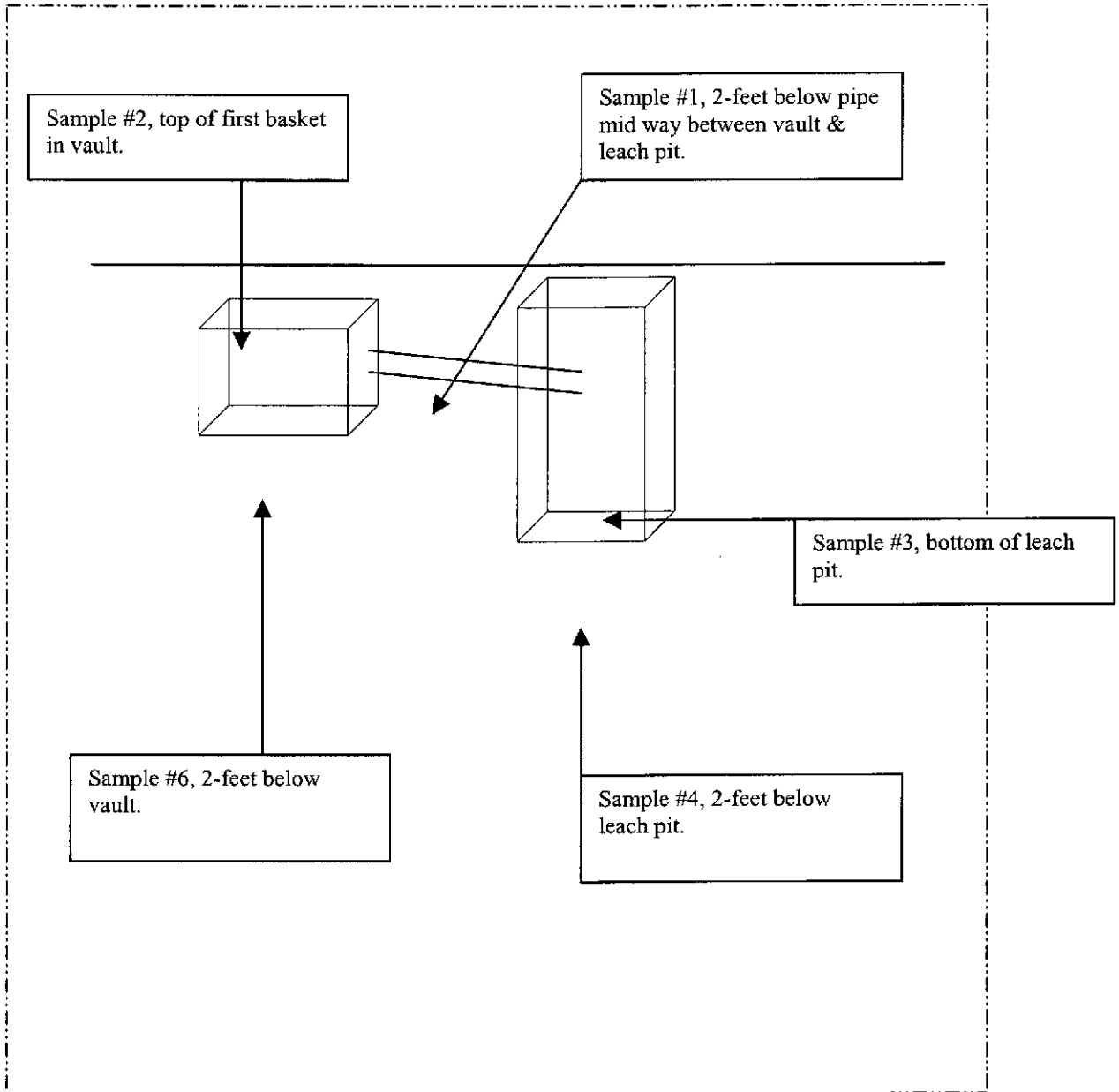


Figure 2
Livermore Site
Detail Layout of Wash Pit Vault, Pipe & Leach Pit





Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

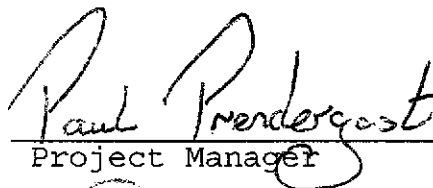
Prepared for:

Utility Vault Company
4445 Jensen Street
Oakland, CA 94601

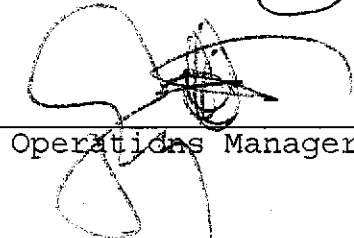
Date: 08-FEB-01
Lab Job Number: 150041
Project ID: N/A
Location: N/A

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by:


Project Manager

Reviewed by:


Operations Manager

This package may be reproduced only in its entirety.

Laboratory Number: **157741**
Client: **Utility Vault Company**
Project Name: **Standard**
Receipt Date: **01/31/01**

CASE NARRATIVE

This hardcopy data package contains sample results and batch QC results for eight soil samples received from the above referenced project on January 31, 2001. The samples were received cold and intact.

TVH/BTXE/MTBE (EPA 8015M/8021B):

No analytical problems were encountered.

TEH (EPA 8015M):

No analytical problems were encountered.

SVOC's (EPA 8270C):

The initial calibration verification for 3-nitroaniline was above compliance limits resulting in the analyte being "b"-flagged. This high bias should not affect the quality of the sample data, as no target compounds were detected in the associated samples. No other analytical problems were encountered.

PAH's (EPA 8260B):

No analytical problems were encountered.

Metals (EPA 6010B/EPA 7470):

The relative percent difference between the matrix spike and its duplicate for barium and for mercury was over the acceptable QC limits. The associated relative percent difference between the blank spike and its duplicate was within acceptable QC limits so the quality of the sample data should not be affected. No other analytical problems were encountered.

CHAIN OF CUSTODY FORM

Page ____ of ____

Analyses

Curtis & Tompkins, Ltd.

Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 Phone
(510)486-0532 Fax

C&T
LOGIN # 150041

Sampler: C. F. Fletcher

Project No: _____

Report To: _____

Project Name: _____

Company: Utility Vault

Project P.O.: _____

Telephone: 925-846-8183 (925-846-6492)

Turnaround Time: 24 hr

Fax: 925-846-4904

Laboratory Number	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative				Field Notes	TOHs	TPHs	BTX	MIBK	Chlorinated Solvents	CAM 17	Semi-Volatiles (EPA)
			Soil	Water	Waste		HCL	H2SO	HNO3	ICE								
F o r a t o r y U s e	1	1/31/01	✓	✓								✓	✓	✓	✓	✓	✓	
	2	1/31/01	✓	✓								✓	✓	✓	✓	✓	✓	
	3	1/31/01	✓	✓								✓	✓	✓	✓	✓	✓	
	4	1/31/01	✓	✓								✓	✓	✓	✓	✓	✓	
	5	1/31/01	✓	✓								✓	✓	✓	✓	✓	✓	
	6	1/31/01	✓	✓								✓	✓	✓	✓	✓	✓	
	7	1/31/01	✓	✓								✓	✓	✓	✓	✓	✓	
	8	1/31/01	✓	✓								✓	✓	✓	✓	✓	✓	

Notes: _____

Preservation Correct?
 Yes No N/A

RELINQUISHED BY:
C. Fletcher 1/31/01 4:15 PM
 DATE/TIME
Willie Kelped 1-31-01 5:50 PM
 DATE/TIME

RECEIVED BY:
Willie Kelped 1-31-01 4:15 PM
 DATE/TIME
Ann Kelped 1/31/01 5:50 PM
 DATE/TIME

Received On Ice
 Cold Ambient Intact

Signature C. F. Fletcher

Curtis & Tompkins Laboratories Analytical Report

Lab #:	150041	Project#:	STANDARD
Client:	Utility Vault Company	Prep:	EPA 5030
Matrix:	Soil	Batch#:	61208
Basis:	wet	Sampled:	01/31/01
Diln Fac:	1.000	Received:	01/31/01

Field ID: 1 *2' below pipe bet. vault + leach pit* Lab ID: 150041-001
 Type: ~~SAMPLE~~ Analyzed: 02/01/01

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015M
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.1	ug/Kg	EPA 8021B
Toluene	ND	5.1	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.1	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.1	ug/Kg	EPA 8021B
o-Xylene	ND	5.1	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	118	62-138	EPA 8015M
Bromofluorobenzene (FID)	116	46-150	EPA 8015M
Trifluorotoluene (PID)	114	65-134	EPA 8021B
Bromofluorobenzene (PID)	111	55-138	EPA 8021B

Field ID: 2 *1st basket* Lab ID: 150041-002
 Type: ~~SAMPLE~~ Analyzed: 02/01/01

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	4.7 H	0.94	mg/Kg	EPA 8015M
MTBE	ND	19	ug/Kg	EPA 8021B
Benzene	ND	4.7	ug/Kg	EPA 8021B
Toluene	5.1	4.7	ug/Kg	EPA 8021B
Ethylbenzene	10	4.7	ug/Kg	EPA 8021B
m,p-Xylenes	11	4.7	ug/Kg	EPA 8021B
o-Xylene	19	4.7	ug/Kg	EPA 8021B

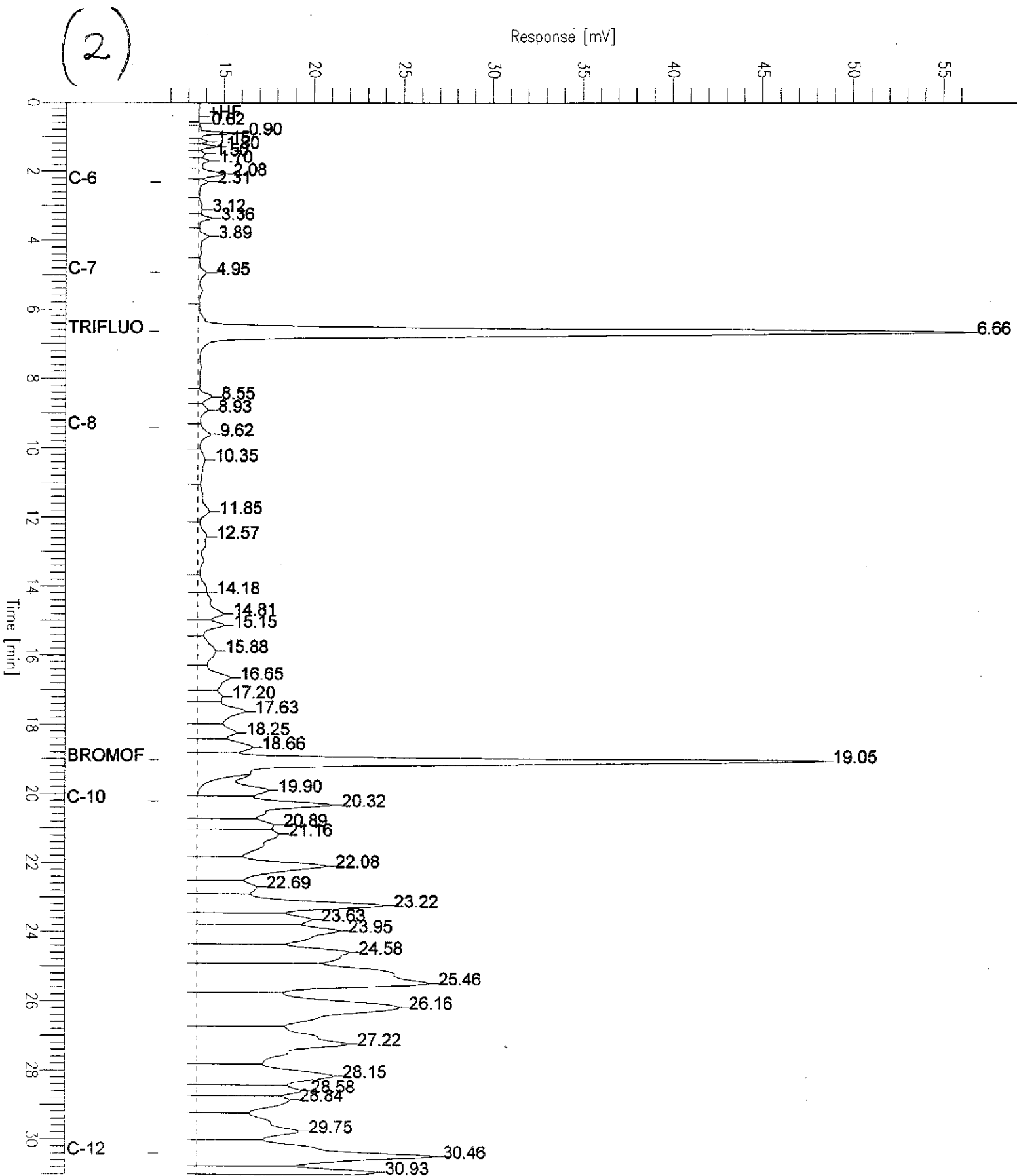
Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	110	62-138	EPA 8015M
Bromofluorobenzene (FID)	132	46-150	EPA 8015M
Trifluorotoluene (PID)	113	65-134	EPA 8021B
Bromofluorobenzene (PID)	112	55-138	EPA 8021B

Chromatogram

Sample Name : 150041-002,61208,+mtbe
FileName : G:\GC05\DATA\032G006.raw
Method : TVHBTXE
Start Time : 0.00 min
Scale Factor: 1.0

End Time : 31.00 min
Plot Offset: 11 mV

Sample #: a
Date : 2/2/01 03:19 PM
Time of Injection: 2/1/01 07:40 PM
Low Point : 11.39 mV
Plot Scale: 45.0 mV
Page 1 of 1
High Point : 56.36 mV



Curtis & Tompkins Laboratories Analytical Report

Lab #:	150041	Project#:	STANDARD
Client:	Utility Vault Company	Prep:	EPA 5030
Matrix:	Soil	Batch#:	61208
Basis:	wet	Sampled:	01/31/01
Diln Fac:	1.000	Received:	01/31/01

Field ID: 3 *Bottom of leach pit* Lab ID: 150041-003
 Type: ~~SAMPLE~~ Analyzed: 02/01/01

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015M
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	112	62-138	EPA 8015M
Bromofluorobenzene (FID)	115	46-150	EPA 8015M
Trifluorotoluene (PID)	114	65-134	EPA 8021B
Bromofluorobenzene (PID)	109	55-138	EPA 8021B

Field ID: 4 *2' below leach pit* Lab ID: 150041-004
 Type: ~~SAMPLE~~ Analyzed: 02/02/01

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.97	mg/Kg	EPA 8015M
MTBE	ND	19	ug/Kg	EPA 8021B
Benzene	ND	4.9	ug/Kg	EPA 8021B
Toluene	ND	4.9	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.9	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.9	ug/Kg	EPA 8021B
o-Xylene	ND	4.9	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	115	62-138	EPA 8015M
Bromofluorobenzene (FID)	115	46-150	EPA 8015M
Trifluorotoluene (PID)	113	65-134	EPA 8021B
Bromofluorobenzene (PID)	109	55-138	EPA 8021B

Curtis & Tompkins Laboratories Analytical Report

Lab #:	150041	Project#:	STANDARD
Client:	Utility Vault Company	Prep:	EPA 5030
Matrix:	Soil	Batch#:	61208
Basis:	wet	Sampled:	01/31/01
Diln Fac:	1.000	Received:	01/31/01

Field ID: ~~75~~ *by Form oil* Lab ID: 150041-005
 Type: ~~SAMPLE~~ Analyzed: 02/01/01

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.96	mg/Kg	EPA 8015M
MTBE	ND	19	ug/Kg	EPA 8021B
Benzene	ND	4.8	ug/Kg	EPA 8021B
Toluene	ND	4.8	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.8	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.8	ug/Kg	EPA 8021B
o-Xylene	ND	4.8	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	111	62-138	EPA 8015M
Bromofluorobenzene (FID)	122	46-150	EPA 8015M
Trifluorotoluene (PID)	115	65-134	EPA 8021B
Bromofluorobenzene (PID)	112	55-138	EPA 8021B

Field ID: ~~6~~ *2' below vault* Lab ID: 150041-006
 Type: ~~SAMPLE~~ Analyzed: 02/01/01

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.96	mg/Kg	EPA 8015M
MTBE	ND	19	ug/Kg	EPA 8021B
Benzene	ND	4.8	ug/Kg	EPA 8021B
Toluene	ND	4.8	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.8	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.8	ug/Kg	EPA 8021B
o-Xylene	ND	4.8	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	116	62-138	EPA 8015M
Bromofluorobenzene (FID)	114	46-150	EPA 8015M
Trifluorotoluene (PID)	114	65-134	EPA 8021B
Bromofluorobenzene (PID)	110	55-138	EPA 8021B

H= Heavier hydrocarbons contributed to the quantitation

ND= Not Detected

RL= Reporting Limit



Curtis & Tompkins Laboratories Analytical Report

Lab #:	150041	Project#:	STANDARD
Client:	Utility Vault Company	Prep:	EPA 5030
Matrix:	Soil	Batch#:	61208
Basis:	wet	Sampled:	01/31/01
Diln Fac:	1.000	Received:	01/31/01

Field ID: 7 * *Former drum storage* Lab ID: 150041-007
 Type: SAMPLE Analyzed: 02/01/01

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.93	mg/Kg	EPA 8015M
MTBE	ND	19	ug/Kg	EPA 8021B
Benzene	ND	4.6	ug/Kg	EPA 8021B
Toluene	ND	4.6	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.6	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.6	ug/Kg	EPA 8021B
o-Xylene	ND	4.6	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	116	62-138	EPA 8015M
Bromofluorobenzene (FID)	115	46-150	EPA 8015M
Trifluorotoluene (PID)	114	65-134	EPA 8021B
Bromofluorobenzene (PID)	110	55-138	EPA 8021B

Field ID: *by former drum storage* Lab ID: 150041-008
 Type: SAMPLE *+ transfer material* Analyzed: 02/01/01

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.97	mg/Kg	EPA 8015M
MTBE	ND	19	ug/Kg	EPA 8021B
Benzene	ND	4.9	ug/Kg	EPA 8021B
Toluene	ND	4.9	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.9	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.9	ug/Kg	EPA 8021B
o-Xylene	ND	4.9	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	112	62-138	EPA 8015M
Bromofluorobenzene (FID)	117	46-150	EPA 8015M
Trifluorotoluene (PID)	115	65-134	EPA 8021B
Bromofluorobenzene (PID)	111	55-138	EPA 8021B

H= Heavier hydrocarbons contributed to the quantitation
 ND= Not Detected
 RL= Reporting Limit
 Page 4 of 5

Curtis & Tompkins Laboratories Analytical Report

Lab #:	150041	Project#:	STANDARD
Client:	Utility Vault Company	Prep:	EPA 5030
Matrix:	Soil	Batch#:	61208
Basis:	wet	Sampled:	01/31/01
Diln Fac:	1.000	Received:	01/31/01

Type: BLANK Analyzed: 02/01/01
 Lab ID: QC136408

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015M
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	117	62-138	EPA 8015M
Bromofluorobenzene (FID)	114	46-150	EPA 8015M
Trifluorotoluene (PID)	112	65-134	EPA 8021B
Bromofluorobenzene (PID)	109	55-138	EPA 8021B

Gasoline by GC/FID CA LUFT

Lab #:	150041	Prep:	EPA 5030
Client:	Utility Vault Company	Analysis:	EPA 8015M
Project#:	STANDARD		
Type:	LCS	Basis:	wet
Lab ID:	QC136409	Diln Fac:	1.000
Matrix:	Soil	Batch#:	61208
Units:	mg/Kg	Analyzed:	02/01/01

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.163	92	75-123

Surrogate	%REC	Limits
Trifluorotoluene (FID)	119	62-138
Bromofluorobenzene (FID)	121	46-150

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	150041	Prep:	EPA 5030
Client:	Utility Vault Company	Analysis:	EPA 8021B
Project#:	STANDARD		
Matrix:	Soil	Diln Fac:	1.000
Units:	ug/Kg	Batch#:	61208
Basis:	wet	Analyzed:	02/02/01

Type: BS Lab ID: QC136412

Analyte	Spiked	Result	%REC	Limits
MTBE	100.0	98.47	98	58-115
Benzene	100.0	93.92	94	68-117
Toluene	100.0	91.71	92	70-120
Ethylbenzene	100.0	97.52	98	67-124
m,p-Xylenes	200.0	205.2	103	72-124
o-Xylene	100.0	102.6	103	72-123

Surrogate	%REC	Limits
Trifluorotoluene (PID)	111	65-134
Bromofluorobenzene (PID)	110	55-138

Type: BSD Lab ID: QC136413

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	100.0	104.1	104	58-115	6	20
Benzene	100.0	98.31	98	68-117	5	20
Toluene	100.0	93.15	93	70-120	2	20
Ethylbenzene	100.0	96.57	97	67-124	1	20
m,p-Xylenes	200.0	213.1	107	72-124	4	20
o-Xylene	100.0	103.5	104	72-123	1	20

Surrogate	%REC	Limits
Trifluorotoluene (PID)	113	65-134
Bromofluorobenzene (PID)	110	55-138

Gasoline by GC/FID CA LUFT

Lab #:	150041	Prep:	EPA 5030
Client:	Utility Vault Company	Analysis:	EPA 8015M
Project#:	STANDARD		
Field ID:	1	Diln Fac:	1.000
MSS Lab ID:	150041-001	Batch#:	61208
Matrix:	Soil	Sampled:	01/31/01
Units:	mg/Kg	Received:	01/31/01
Basis:	wet	Analyzed:	02/02/01

Type: MS Lab ID: QC136410

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<0.1200	9.346	8.170	87	41-132

Surrogate	%REC	Limits
Trifluorotoluene (FID)	126	62-138
Bromofluorobenzene (FID)	126	46-150

Type: MSD Lab ID: QC136411

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	9.709	8.358	86	41-132	2	25

Surrogate	%REC	Limits
Trifluorotoluene (FID)	125	62-138
Bromofluorobenzene (FID)	124	46-150

Total Extractable Hydrocarbons

Lab #:	150041	Prep:	SHAKER TABLE
Client:	Utility Vault Company	Analysis:	EPA 8015M
Project#:	STANDARD		
Matrix:	Soil	Sampled:	01/31/01
Units:	mg/Kg	Received:	01/31/01
Basis:	wet	Prepared:	02/01/01
Batch#:	61222	Analyzed:	02/02/01

Field ID: 1 *Pipe bet. vault + leach pit* Lab ID: 150041-001
 Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Diesel C10-C24	14 H Y	0.99
Motor Oil C24-C36	42	5.0

Surrogate	%REC	Limits
Hexacosane	98	60-136

Field ID: 2 *1st basket* Lab ID: 150041-002
 Type: SAMPLE Diln Fac: 20.00

Analyte	Result	RL
Diesel C10-C24	ND 20 H Y	20
Motor Oil C24-C36	ND 100	100

Surrogate	%REC	Limits
Hexacosane	DO	60-136

Field ID: 3 *bottom of leach pit* Lab ID: 150041-003
 Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Diesel C10-C24	20 H Y	0.99
Motor Oil C24-C36	45 L	5.0

Surrogate	%REC	Limits
Hexacosane	90	60-136

H= Heavier hydrocarbons contributed to the quantitation
 L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits fuel pattern which does not resemble standard

DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit
 Page 1 of 3

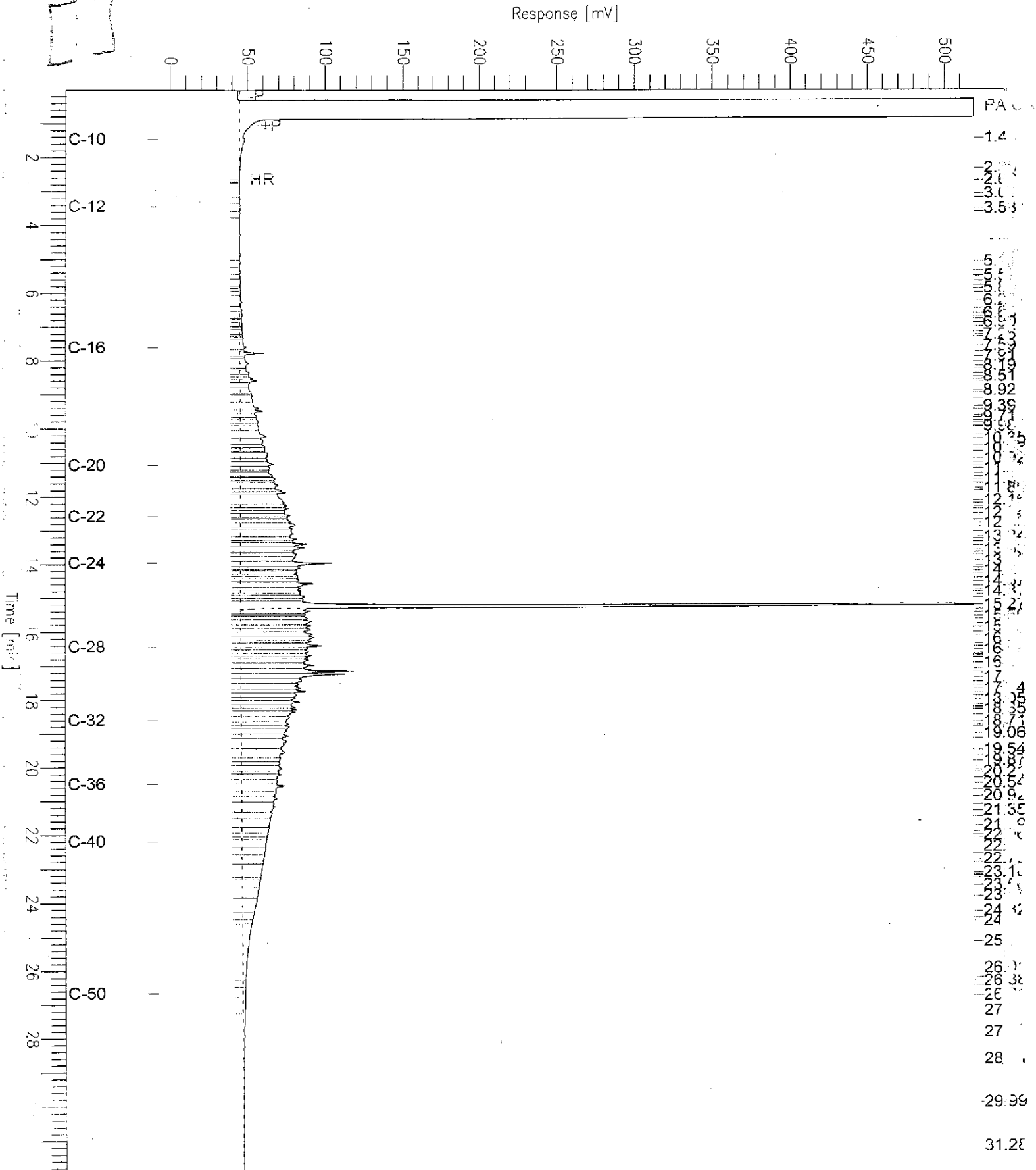
Chromatogram

Sample Name : 150041-001,61222
FileName : G:\GC13\CHB\031B046.RAW
Method : BTEH025.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 31.91 min
Plot Offset: -8 mV

Sample #: 61222
Date : 02/02/2001 08:04 AM
Time of Injection: 02/02/2001 01:53 AM
Low Point : -8.00 mV
Plot Scale: 527.2 mV

Page 1 of 1



Chromatogram

Sample Name : 150041-002,61222

FileName : G:\GC13\CHB\031B053.RAW

Method : BTEH025.MTH

Start Time : 0.01 min

Scale Factor: 0.0

End Time : 31.91 min

Plot Offset: -6 mV

Sample #: 61222

Date : 02/02/2001 08:09 AM

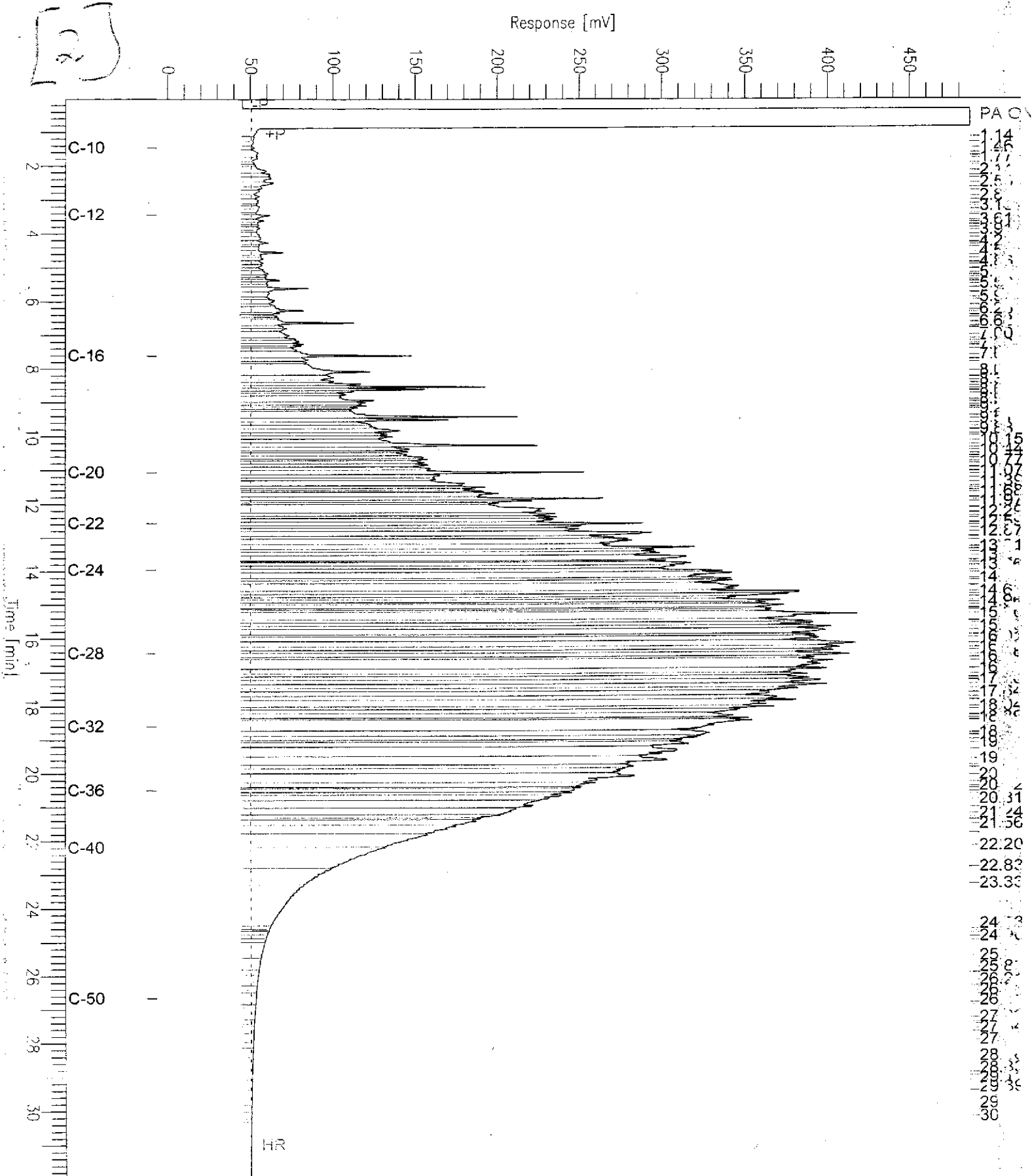
Time of Injection: 02/02/2001 06:27 AM

Low Point : -6.41 mV

Plot Scale: 493.0 mV

Page 1 of 1

High Point : 486.60 mV

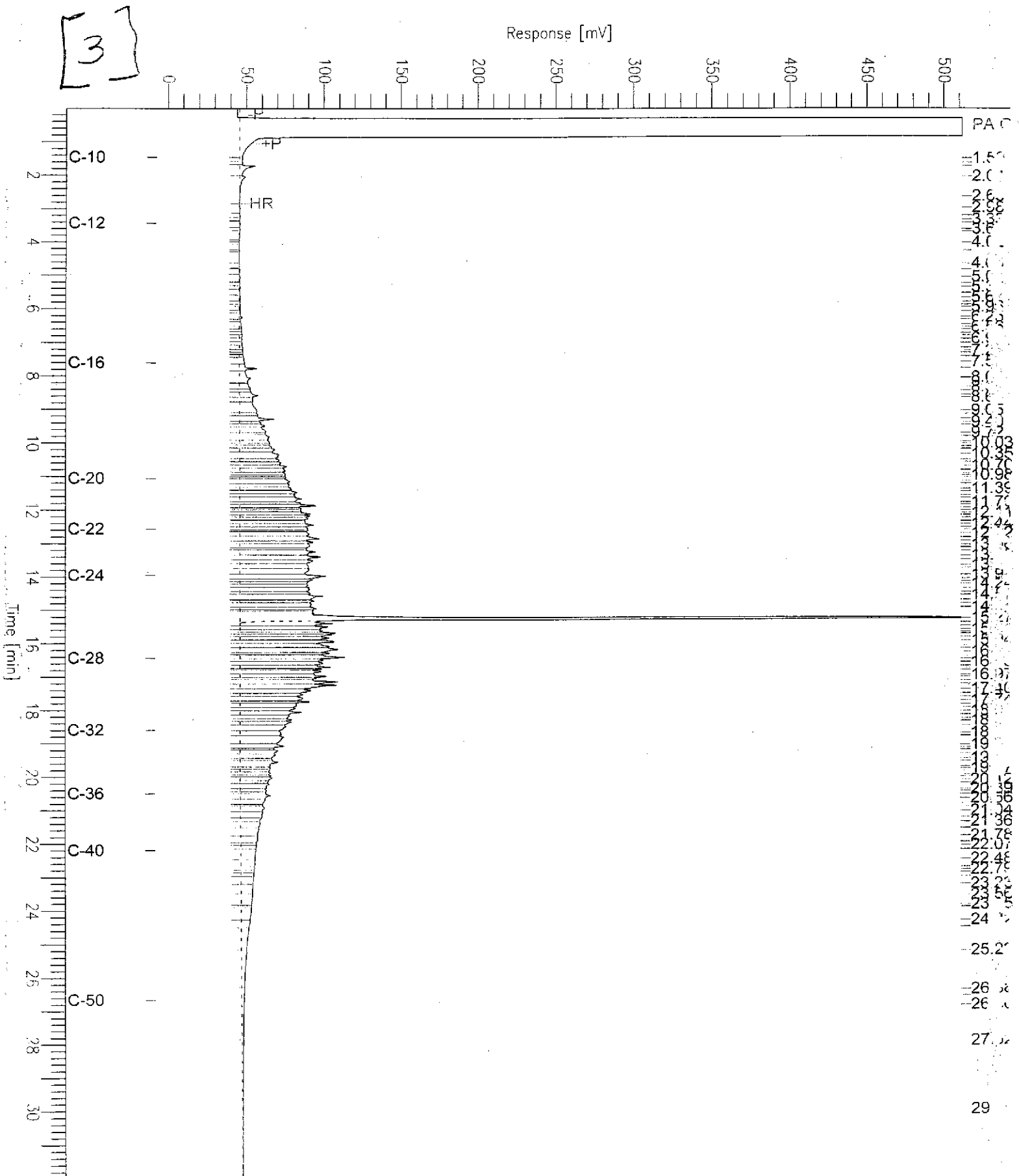


Chromatogram

Sample Name : 150041-003,61222
FileName : G:\GC13\CHB\031B047.RAW
Method : BTEH025.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 31.91 min
Plot Offset: -8 mV

Sample #: 61222
Date : 02/02/2001 08:04 AM
Time of Injection: 02/02/2001 02:33 AM
Low Point : -7.56 mV
Plot Scale: 519.5 mV
High Point : 511.89 mV





Total Extractable Hydrocarbons

Lab #:	150041	Prep:	SHAKER TABLE
Client:	Utility Vault Company	Analysis:	EPA 8015M
Project#:	STANDARD		
Matrix:	Soil	Sampled:	01/31/01
Units:	mg/Kg	Received:	01/31/01
Basis:	wet	Prepared:	02/01/01
Batch#:	61222	Analyzed:	02/02/01

Field ID: 2' below beach pit Lab ID: 150041-004
 Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Diesel C10-C24	3.3 H Y	1.0
Motor Oil C24-C36	28	5.0

Surrogate	%REC	Limits
Hexacosane	99	60-136

Field ID: 5 Lab ID: 150041-005
 Type: SAMPLE by Form oil Diln Fac: 1.000

Analyte	Result	RL
Diesel C10-C24	32 H Y	1.0
Motor Oil C24-C36	32 L	5.0

Surrogate	%REC	Limits
Hexacosane	108	60-136

Field ID: 6 Lab ID: 150041-006
 Type: SAMPLE 2' below vault Diln Fac: 1.000

Analyte	Result	RL
Diesel C10-C24	12 H Y	0.99
Motor Oil C24-C36	19 L	5.0

Surrogate	%REC	Limits
Hexacosane	109	60-136

H= Heavier hydrocarbons contributed to the quantitation
 L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits fuel pattern which does not resemble standard

DO= Diluted Out

ND= Not Detected

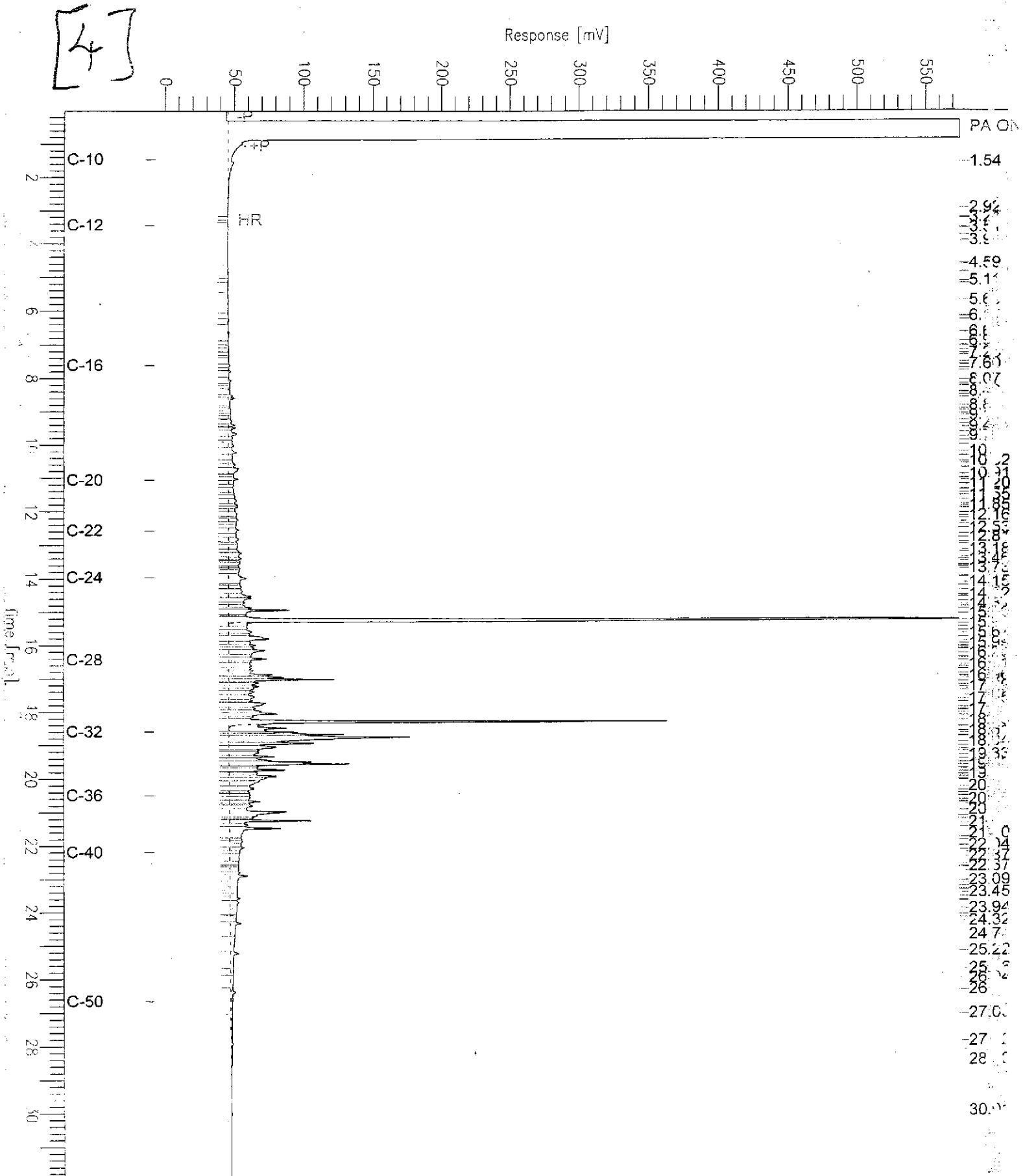
RL= Reporting Limit

Chromatogram

Sample Name : 150041-004, 61222
FileName : G:\GC13\CHB\031B046.RAW
Method : BTEH025.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 31.91 min
Plot Offset: -7 mV

Sample #: 61222
Date : 02/02/2001 08:05 AM
Time of Injection: 02/02/2001 03:12 AM
Low Point : -7.42 mV
Plot Scale: 582.5 mV



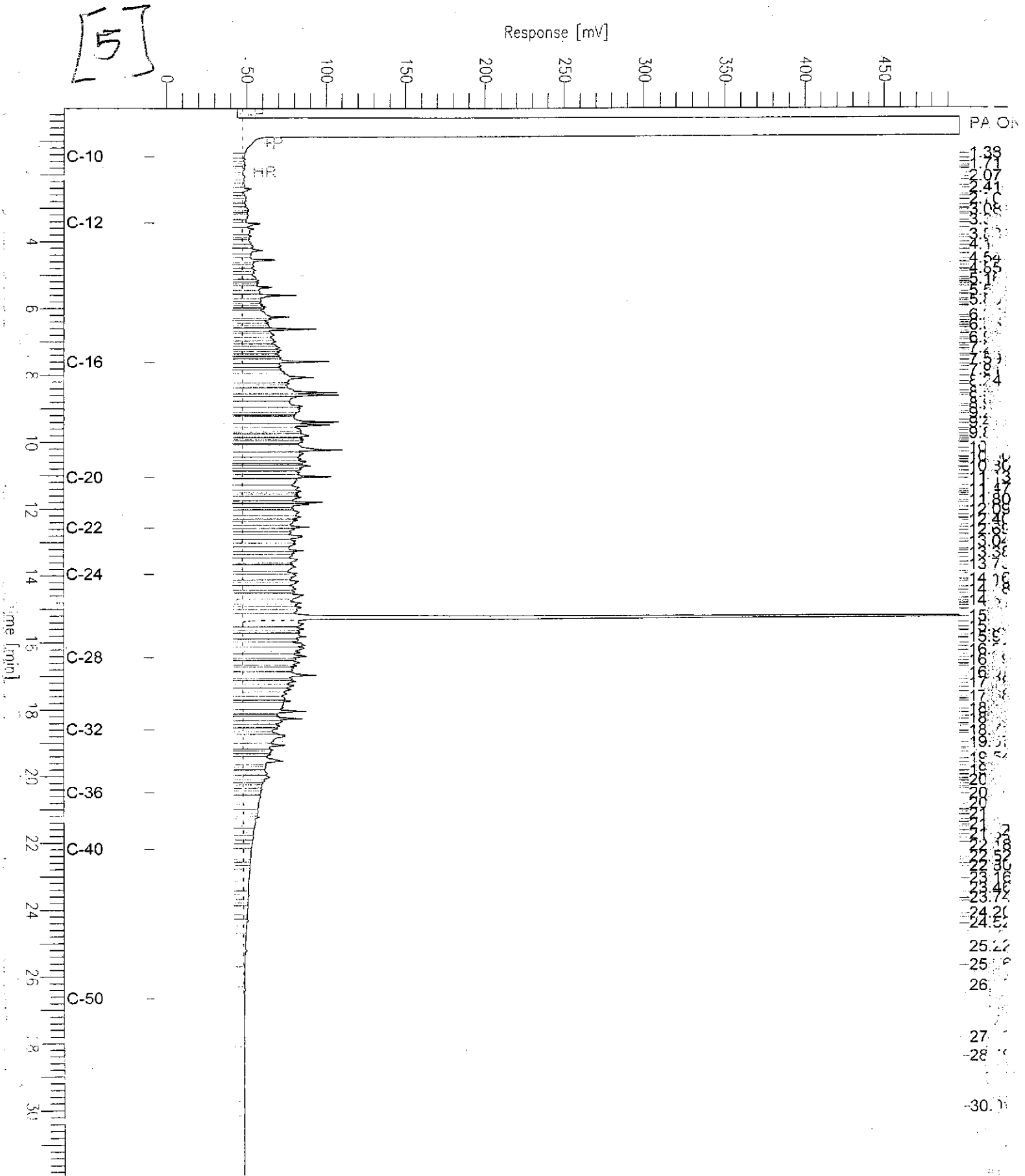
Chromatogram

Sample Name : 150041-005,61222
FileName : G:\GC13\CHB\031B049.RAW
Method : BTEH025.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 31.91 min
Plot Offset: -7 mV

Sample #: 61222
Date : 02/02/2001 08:06 AM
Time of Injection: 02/02/2001 03:51 AM
Low Point : -7.36 mV
Plot Scale: 504.6 mV
High Point : 497.22 mV

Page 1 of 1

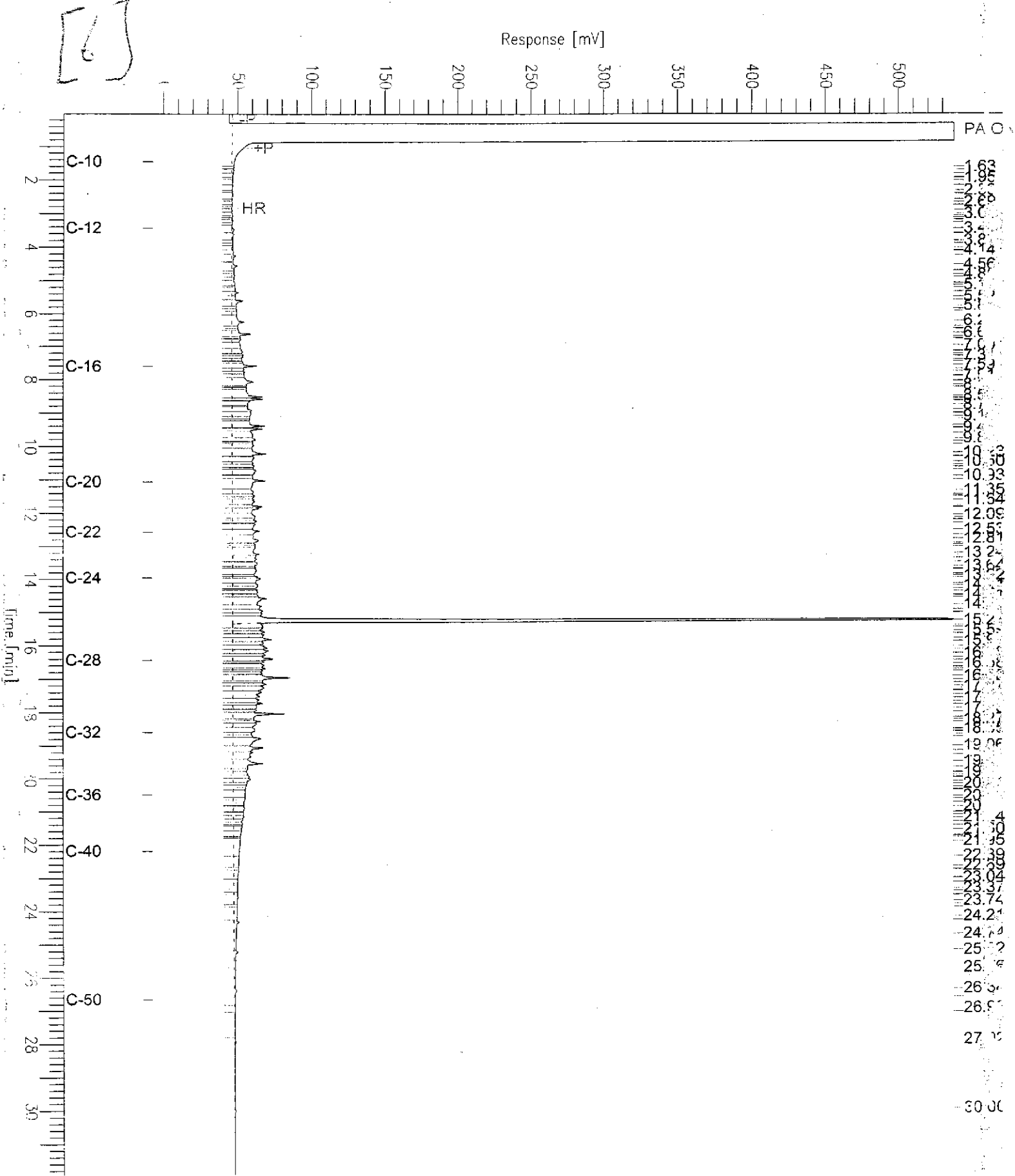


Chromatogram

Sample Name : 150041-006,61222
FileName : G:\GC13\CHB\031B050.RAW
Method : BTEH025.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 31.91 min
Plot Offset: -7 mV

Sample #: 61222
Date : 02/02/2001 08:07 AM
Time of Injection: 02/02/2001 04:30 AM
Low Point : -7.29 mV
Plot Scale: 545.3 mV
High Point : 537.98 mV





Total Extractable Hydrocarbons

Lab #:	150041	Prep:	SHAKER TABLE
Client:	Utility Vault Company	Analysis:	EPA 8015M
Project#:	STANDARD		
Matrix:	Soil	Sampled:	01/31/01
Units:	mg/Kg	Received:	01/31/01
Basis:	wet	Prepared:	02/01/01
Batch#:	61222	Analyzed:	02/02/01

Field ID: *7 Former drum storage Lab ID: 150041-007
 Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Diesel C10-C24	83 H Y	1.0
Motor Oil C24-C36	160 L	5.0

Surrogate	%REC	Limits
Hexacosane	96	60-136

Field ID: 8 Former drum storage Lab ID: 150041-008
 Type: SAMPLE transformer Diln Fac: 1.000

Analyte	Result	RL
Diesel C10-C24	3.8 H Y	1.0
Motor Oil C24-C36	18	5.0

Surrogate	%REC	Limits
Hexacosane	113	60-136

Type: BLANK Diln Fac: 1.000
 Lab ID: QC136468

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	108	60-136

H= Heavier hydrocarbons contributed to the quantitation
 L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits fuel pattern which does not resemble standard

DO= Diluted Out

ND= Not Detected

RL= Reporting Limit

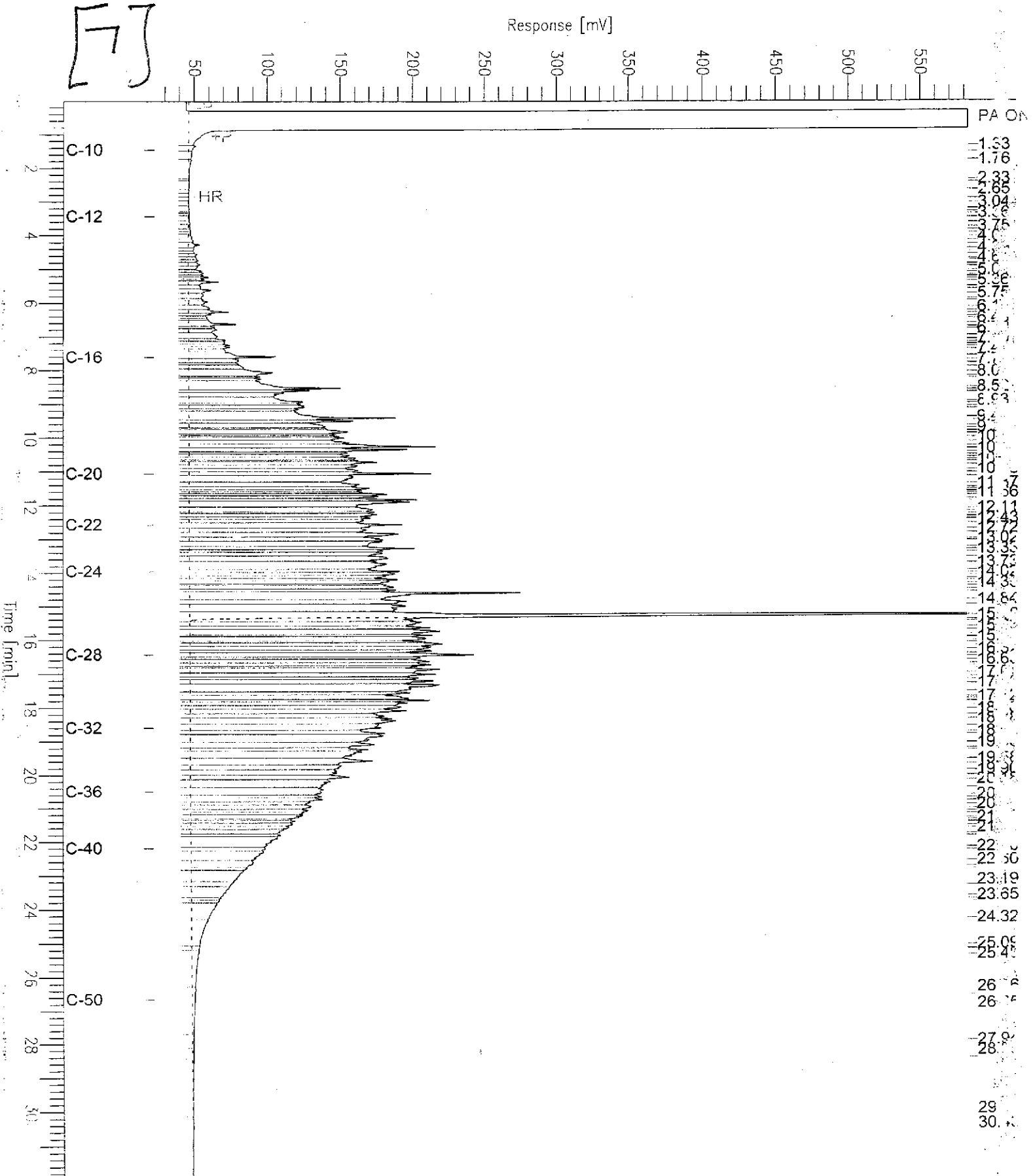
Chromatogram

Sample Name : 150041-007, 61222
FileName : G:\GC13\CHB\031B051.RAW
Method : BTEH025.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 31.91 min
Plot Offset: 23 mV

Sample #: 61222
Date : 02/02/2001 08:07 AM
Time of Injection: 02/02/2001 05:09 AM
Low Point : 22.73 mV
Plot Scale: 560.0 mV

Page 1 of 1

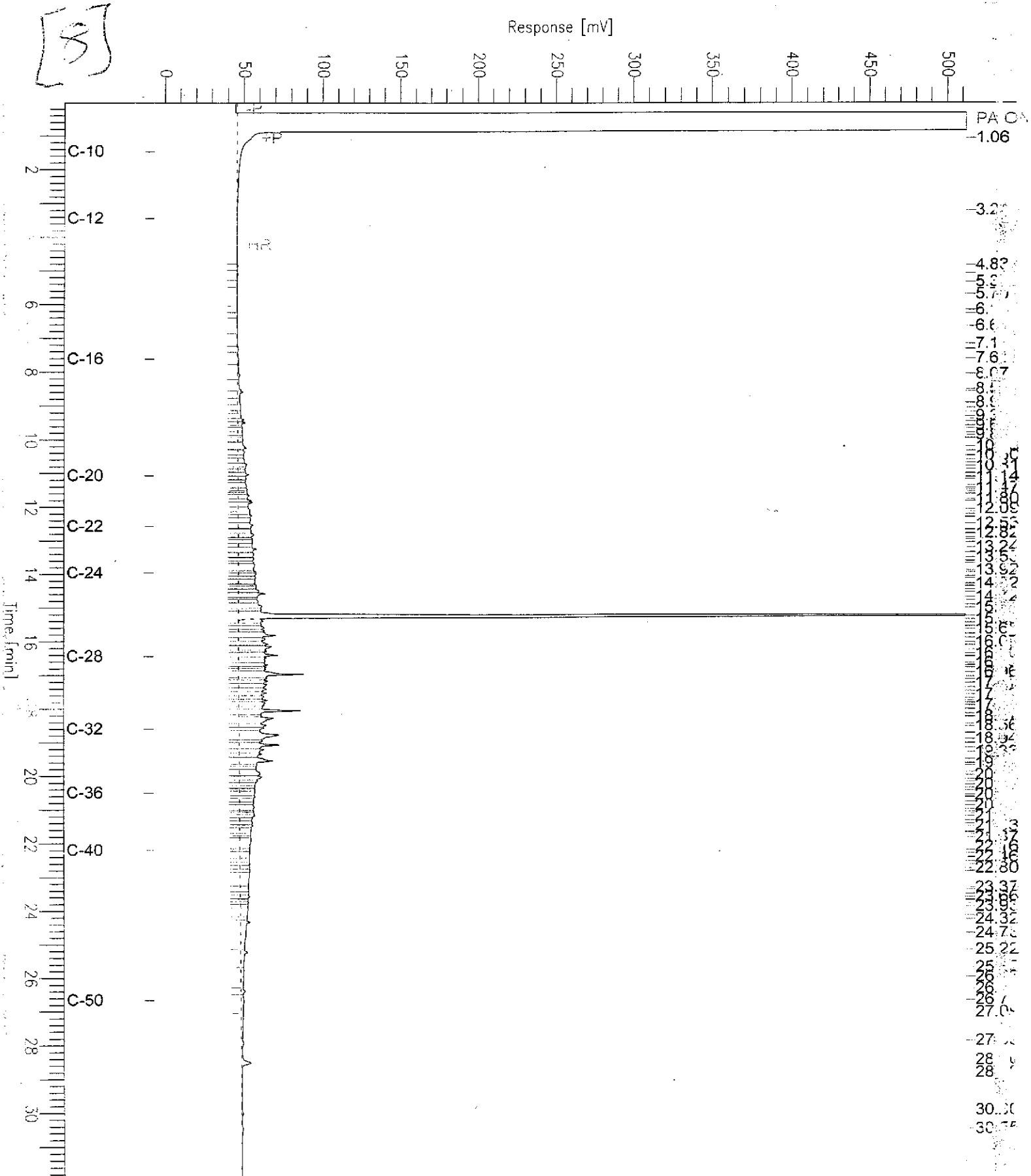


Chromatogram

Sample Name : 150041-008,61222
FileName : G:\GC13\CHB\031B052.RAW
Method : BTEH025.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 31.91 min
Plot Offset: -7 mV

Sample #: 61222
Date : 02/02/2001 08:08 AM
Time of Injection: 02/02/2001 05:48 AM
Low Point : -6.91 mV
Plot Scale: 519.1 mV
High Point : 512.22 mV



Chromatogram

Sample Name : ccv,00ws0263,dsl

FileName : G:\GC13\CHB\031B002.RAW

Method : BTEH025.MTH

Start Time : 0.05 min

Scale Factor: 0.0

End Time : 31.91 min

Plot Offset: 10 mV

Sample #: 500mg/L

Date : 01/31/2001 01:21 PM

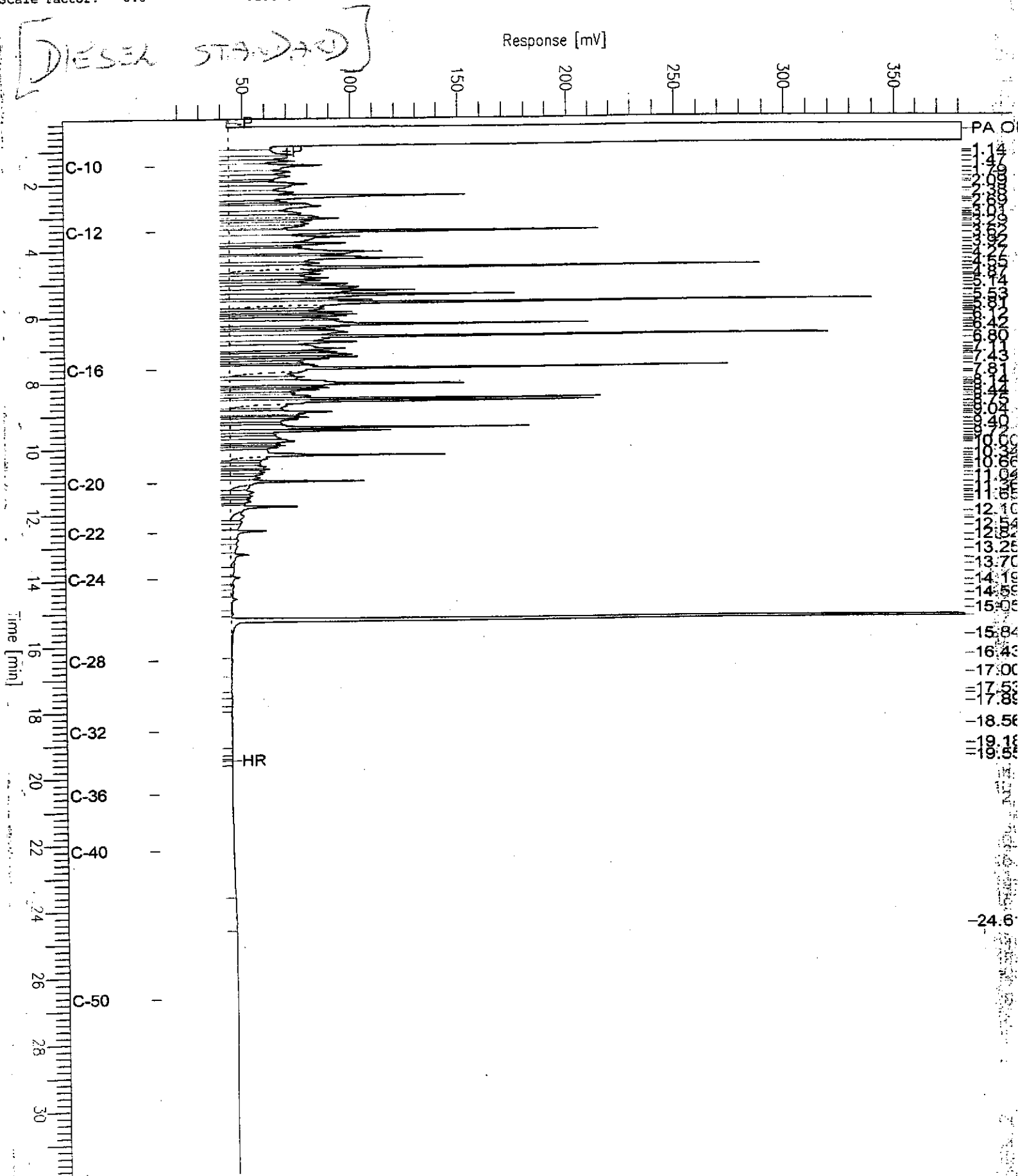
Time of Injection: 01/31/2001 12:45 PM

Low Point : 10.02 mV

Plot Scale: 371.4 mV

Page 1 of 1

High Point : 381.43 mV



Chromatogram

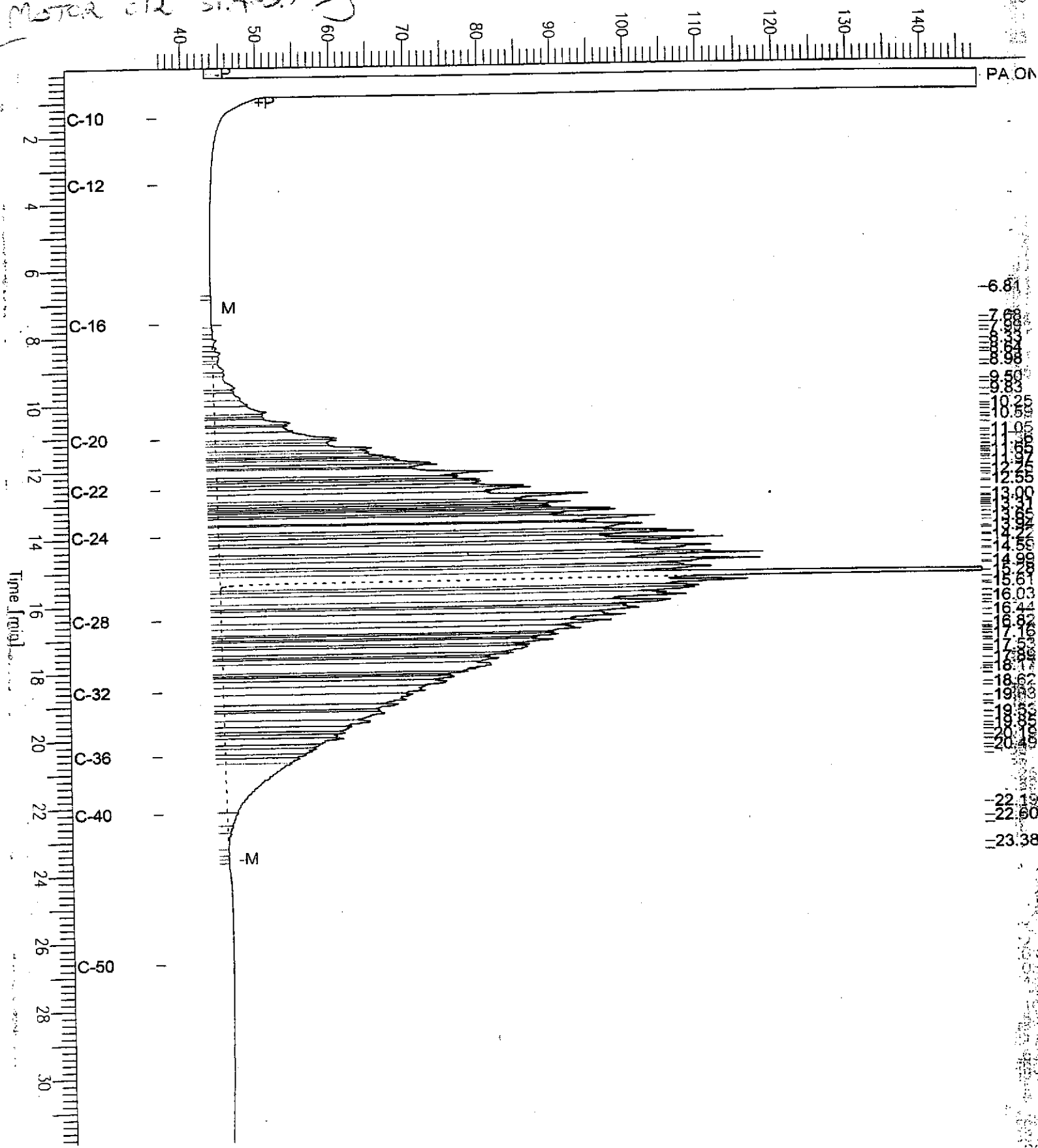
Sample Name : ccv,00ws0267.mo
FileName : G:\GC13\CHE\031B003.RAW
Method : BTEH025.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 31.91 min
Plot Offset: 37 mV

Sample #: 500mg/L
Date : 01/31/2001 02:42 PM
Time of Injection: 01/31/2001 01:24 PM
Low Point : 36.74 mV
High Point : 147.75 mV
Plot Scale: 111.0 mV

MOTOR OIL STANDARD

Response [mV]



9.81
10.00
10.19
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10.57
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12.66
12.85
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13.42
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89.80
90.00

**Total Extractable Hydrocarbons**

Lab #:	150041	Prep:	SHAKER TABLE
Client:	Utility Vault Company	Analysis:	EPA 8015M
Project#:	STANDARD		
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC136469	Batch#:	61222
Matrix:	Soil	Prepared:	02/01/01
Units:	mg/Kg	Analyzed:	02/02/01
Basis:	wet		

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.89	47.24	95	67-121

Surrogate	%REC	Limits
Hexacosane	102	60-136

Total Extractable Hydrocarbons

Lab #:	150041	Prep:	SHAKER TABLE
Client:	Utility Vault Company	Analysis:	EPA 8015M
Project#:	STANDARD		
Field ID:	3	Batch#:	61222
MSS Lab ID:	150041-003	Sampled:	01/31/01
Matrix:	Soil	Received:	01/31/01
Units:	mg/Kg	Prepared:	02/01/01
Basis:	wet	Analyzed:	02/01/01
Diln Fac:	1.000		

Type: MS Lab ID: QC136470

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	20.45	50.07	60.13	79	35-146

Surrogate	%REC	Limits
Hexacosane	102	60-136

Type: MSD Lab ID: QC136471

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.94	58.85	77	35-146	2	48

Surrogate	%REC	Limits
Hexacosane	95	60-136



Semivolatile Organics by GC/MS

Lab #:	150041	Prep:	EPA 3550
Client:	Utility Vault Company	Analysis:	EPA 8270C
Project#:	STANDARD		
Field ID:	4	Batch#:	61218
Lab ID:	150041-004	Sampled:	01/31/01
Matrix:	Soil	Received:	01/31/01
Units:	ug/Kg	Prepared:	02/01/01
Basis:	wet	Analyzed:	02/01/01
Diln Fac:	1.000		

Analyte	Result	RL
N-Nitrosodimethylamine	ND	330
Phenol	ND	330
bis(2-Chloroethyl)ether	ND	330
2-Chlorophenol	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
Benzyl alcohol	ND	330
1,2-Dichlorobenzene	ND	330
2-Methylphenol	ND	330
bis(2-Chloroisopropyl) ether	ND	330
3-,4-Methylphenol	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
2-Nitrophenol	ND	1,700
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1,700
bis(2-Chloroethoxy)methane	ND	330
2,4-Dichlorophenol	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	330
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
4-Chloro-3-methylphenol	ND	330
2-Methylnaphthalene	ND	330
Hexachlorocyclopentadiene	ND	1,700
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	1,700
Dimethylphthalate	ND	330
Acenaphthylene	ND	330
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND b	1,700
Acenaphthene	ND	330
2,4-Dinitrophenol	ND	1,700
4-Nitrophenol	ND	1,700
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
Fluorene	ND	330
4-Chlorophenyl-phenylether	ND	330
4-Nitroaniline	ND	1,700
4,6-Dinitro-2-methylphenol	ND	1,700
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Pentachlorophenol	ND	1,700
Phenanthrene	ND	330
Anthracene	ND	330
Di-n-butylphthalate	ND	330

b= See narrative

ND= Not Detected

RL= Reporting Limit

Page 1 of 2

**Semivolatile Organics by GC/MS**

Lab #:	150041	Prep:	EPA 3550
Client:	Utility Vault Company	Analysis:	EPA 8270C
Project#:	STANDARD		
Field ID:		Batch#:	61218
Lab ID:	150041-004	Sampled:	01/31/01
Matrix:	Soil	Received:	01/31/01
Units:	ug/Kg	Prepared:	02/01/01
Basis:	wet	Analyzed:	02/01/01
Diln Fac:	1.000		

Analyte	Result	RL
Fluoranthene	ND	330
Pyrene	ND	330
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	1,700
Benzo(a)anthracene	ND	330
Chrysene	ND	330
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenz(a,h)anthracene	ND	330
Benzo(g,h,i)perylene	ND	330

Surrogate	UREC	Limit
2-Fluorophenol	70	40-134
Phenol-d5	79	39-135
2,4,6-Tribromophenol	68	16-131
Nitrobenzene-d5	78	38-131
2-Fluorobiphenyl	79	45-129
Terphenyl-d14	79	41-140



Semivolatile Organics by GC/MS

Lab #:	150041	Prep:	EPA 3550
Client:	Utility Vault Company	Analysis:	EPA 8270C
Project#:	STANDARD		
Field ID:		Batch#:	61218
Lab ID:	150041-005 Form oil	Sampled:	01/31/01
Matrix:	Soil	Received:	01/31/01
Units:	ug/Kg	Prepared:	02/01/01
Basis:	wet	Analyzed:	02/01/01
Diln Fac:	1.000		

Analyte	Result	RL
N-Nitrosodimethylamine	ND	330
Phenol	ND	330
bis(2-Chloroethyl)ether	ND	330
2-Chlorophenol	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
Benzyl alcohol	ND	330
1,2-Dichlorobenzene	ND	330
2-Methylphenol	ND	330
bis(2-Chloroisopropyl) ether	ND	330
3-,4-Methylphenol	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
2-Nitrophenol	ND	1,700
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1,700
bis(2-Chloroethoxy)methane	ND	330
2,4-Dichlorophenol	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	330
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
4-Chloro-3-methylphenol	ND	330
2-Methylnaphthalene	ND	330
Hexachlorocyclopentadiene	ND	1,700
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	1,700
Dimethylphthalate	ND	330
Acenaphthylene	ND	330
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND b	1,700
Acenaphthene	ND	330
2,4-Dinitrophenol	ND	1,700
4-Nitrophenol	ND	1,700
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
Fluorene	ND	330
4-Chlorophenyl-phenylether	ND	330
4-Nitroaniline	ND	1,700
4,6-Dinitro-2-methylphenol	ND	1,700
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Pentachlorophenol	ND	1,700
Phenanthrene	ND	330
Anthracene	ND	330
Di-n-butylphthalate	ND	330

b= See narrative
ND= Not Detected
RL= Reporting Limit
Page 1 of 2



Semivolatile Organics by GC/MS

Lab #:	150041	Prep:	EPA 3550
Client:	Utility Vault Company	Analysis:	EPA 8270C
Project#:	STANDARD		
Field ID:	5	Batch#:	61218
Lab ID:	150041-005	Sampled:	01/31/01
Matrix:	Soil	Received:	01/31/01
Units:	ug/Kg	Prepared:	02/01/01
Basis:	wet	Analyzed:	02/01/01
Diln Fac:	1.000		

Analyte	Result	RL
Fluoranthene	ND	330
Pyrene	ND	330
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	1,700
Benzo(a)anthracene	ND	330
Chrysene	ND	330
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenz(a,h)anthracene	ND	330
Benzo(a,h,i)perylene	ND	330

Surrogate	%REC	Limits
2-Fluorophenol	73	40-134
Phenol-d5	75	39-135
2,4,6-Tribromophenol	62	16-131
Nitrobenzene-d5	78	38-131
2-Fluorobiphenyl	77	45-129
Terphenyl-d14	75	41-140



Semivolatile Organics by GC/MS

Lab #:	150041	Prep:	EPA 3550
Client:	Utility Vault Company	Analysis:	EPA 8270C
Project#:	STANDARD		
Field ID:	8	Batch#:	61218
Lab ID:	150041-008	Sampled:	01/31/01
Matrix:	Soil	Received:	01/31/01
Units:	ug/Kg	Prepared:	02/01/01
Basis:	wet	Analyzed:	02/01/01
Diln Fac:	1.000		

Analyte	Result	RL
N-Nitrosodimethylamine	ND	330
Phenol	ND	330
bis(2-Chloroethyl)ether	ND	330
2-Chlorophenol	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
Benzyl alcohol	ND	330
1,2-Dichlorobenzene	ND	330
2-Methylphenol	ND	330
bis(2-Chloroisopropyl) ether	ND	330
3-,4-Methylphenol	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
2-Nitrophenol	ND	1,700
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1,700
bis(2-Chloroethoxy)methane	ND	330
2,4-Dichlorophenol	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	330
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
4-Chloro-3-methylphenol	ND	330
2-Methylnaphthalene	ND	330
Hexachlorocyclopentadiene	ND	1,700
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	1,700
Dimethylphthalate	ND	330
Acenaphthylene	ND	330
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND b	1,700
Acenaphthene	ND	330
2,4-Dinitrophenol	ND	1,700
4-Nitrophenol	ND	1,700
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
Fluorene	ND	330
4-Chlorophenyl-phenylether	ND	330
4-Nitroaniline	ND	1,700
4,6-Dinitro-2-methylphenol	ND	1,700
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Pentachlorophenol	ND	1,700
Phenanthrene	ND	330
Anthracene	ND	330
Di-n-butylphthalate	ND	330

b= See narrative
ND= Not Detected
RL= Reporting Limit
Page 1 of 2



Semivolatile Organics by GC/MS

Lab #:	150041	Prep:	EPA 3550
Client:	Utility Vault Company	Analysis:	EPA 8270C
Project#:	STANDARD		
Field ID:	8	Batch#:	61218
Lab ID:	150041-008	Sampled:	01/31/01
Matrix:	Soil	Received:	01/31/01
Units:	ug/Kg	Prepared:	02/01/01
Basis:	wet	Analyzed:	02/01/01
Diln Fac:	1.000		

Analyte	Result	RL
Fluoranthene	ND	330
Pyrene	ND	330
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	1,700
Benzo(a)anthracene	ND	330
Chrysene	ND	330
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenz(a,h)anthracene	ND	330
Benzo(g,h,i)perylene	ND	330

Surrogate	NRCC	Limit
2-Fluorophenol	67	40-134
Phenol-d5	74	39-135
2,4,6-Tribromophenol	66	16-131
Nitrobenzene-d5	80	38-131
2-Fluorobiphenyl	76	45-129
Terphenyl-d14	82	41-140



Semivolatile Organics by GC/MS

Lab #:	150041	Prep:	EPA 3550
Client:	Utility Vault Company	Analysis:	EPA 8270C
Project#:	STANDARD		
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC136452	Batch#:	61218
Matrix:	Soil	Prepared:	02/01/01
Units:	ug/Kg	Analyzed:	02/01/01
Basis:	wet		

Analyte	Result	RL
N-Nitrosodimethylamine	ND	330
Phenol	ND	330
bis(2-Chloroethyl)ether	ND	330
2-Chlorophenol	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
Benzyl alcohol	ND	330
1,2-Dichlorobenzene	ND	330
2-Methylphenol	ND	330
bis(2-Chloroisopropyl) ether	ND	330
3-,4-Methylphenol	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
2-Nitrophenol	ND	1,600
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1,600
bis(2-Chloroethoxy)methane	ND	330
2,4-Dichlorophenol	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	330
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
4-Chloro-3-methylphenol	ND	330
2-Methylnaphthalene	ND	330
Hexachlorocyclopentadiene	ND	1,600
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	1,600
Dimethylphthalate	ND	330
Acenaphthylene	ND	330
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND b	1,600
Acenaphthene	ND	330
2,4-Dinitrophenol	ND	1,600
4-Nitrophenol	ND	1,600
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
Fluorene	ND	330
4-Chlorophenyl-phenylether	ND	330
4-Nitroaniline	ND	1,600
4,6-Dinitro-2-methylphenol	ND	1,600
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Pentachlorophenol	ND	1,600
Phenanthrene	ND	330
Anthracene	ND	330
Di-n-butylphthalate	ND	330
Fluoranthene	ND	330

b= See narrative
ND= Not Detected
RL= Reporting Limit
Page 1 of 2

**Semivolatile Organics by GC/MS**

Lab #:	150041	Prep:	EPA 3550
Client:	Utility Vault Company	Analysis:	EPA 8270C
Project#:	STANDARD		
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC136452	Batch#:	61218
Matrix:	Soil	Prepared:	02/01/01
Units:	ug/Kg	Analyzed:	02/01/01
Basis:	wet		

Analyte	Result	RL
Pyrene	ND	330
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	1,600
Benzo(a)anthracene	ND	330
Chrysene	ND	330
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenz(a,h)anthracene	ND	330
Benzo(g,h,i)perylene	ND	330

Surrogate	REC	Limits
2-Fluorophenol	67	40-134
Phenol-d5	71	39-135
2,4,6-Tribromophenol	59	16-131
Nitrobenzene-d5	81	38-131
2-Fluorobiphenyl	84	45-129
Terphenyl-d14	77	41-140

**Semivolatile Organics by GC/MS**

Lab #:	150041	Prep:	EPA 3550
Client:	Utility Vault Company	Analysis:	EPA 8270C
Project#:	STANDARD		
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC136453	Batch#:	61218
Matrix:	Soil	Prepared:	02/01/01
Units:	ug/Kg	Analyzed:	02/01/01
Basis:	wet		

Analyte	Spiked	Result	UREC	Limits
Phenol	3,321	2,401	72	39-128
2-Chlorophenol	3,321	2,697	81	45-137
1,4-Dichlorobenzene	1,661	1,428	86	41-127
N-Nitroso-di-n-propylamine	1,661	1,261	76	40-140
1,2,4-Trichlorobenzene	1,661	1,476	89	46-128
4-Chloro-3-methylphenol	3,321	2,478	75	45-130
Acenaphthene	1,661	1,245	75	47-124
4-Nitrophenol	3,321	2,171	65	36-110
2,4-Dinitrotoluene	1,661	1,333	80	42-123
Pentachlorophenol	3,321	1,566	47	15-110
Pyrene	1,661	1,223	74	44-123

Surrogate	UREC	Limits
2-Fluorophenol	69	40-134
Phenol-d5	74	39-135
2,4,6-Tribromophenol	72	16-131
Nitrobenzene-d5	79	38-131
2-Fluorobiphenyl	74	45-129
Terphenyl-d14	75	41-140



Semivolatile Organics by GC/MS

Lab #:	150041	Prep:	EPA 3550
Client:	Utility Vault Company	Analysis:	EPA 8270C
Project#:	STANDARD		
Field ID:	8	Batch#:	61218
MSS Lab ID:	150041-008	Sampled:	01/31/01
Matrix:	Soil	Received:	01/31/01
Units:	ug/Kg	Prepared:	02/01/01
Basis:	wet	Analyzed:	02/01/01
Diln Fac:	1.000		

Type: MS Lab ID: QC136454

Analyte	MSS Result	Spiked	Result	IREC	Limits
Phenol	ND	3,353	2,567	77	38-133
2-Chlorophenol	ND	3,353	2,819	84	34-146
1,4-Dichlorobenzene	ND	1,677	1,318	79	43-124
N-Nitroso-di-n-propylamine	ND	1,677	1,343	80	48-130
1,2,4-Trichlorobenzene	ND	1,677	1,371	82	53-128
4-Chloro-3-methylphenol	ND	3,353	2,510	75	37-132
Acenaphthene	ND	1,677	1,235	74	55-122
4-Nitrophenol	ND	3,353	2,127	63	24-112
2,4-Dinitrotoluene	ND	1,677	1,484	88	37-122
Pentachlorophenol	ND	3,353	1,214	36	15-110
Pyrene	ND	1,677	1,256	75	30-134

Surrogate	IREC	Limits
2-Fluorophenol	70	40-134
Phenol-d5	74	39-135
2,4,6-Tribromophenol	67	16-131
Nitrobenzene-d5	75	38-131
2-Fluorobiphenyl	74	45-129
Terphenyl-d14	79	41-140

Type: MSD Lab ID: QC136455

Analyte	Spiked	Result	IREC	Limits	RPD	Lin
Phenol	3,316	2,704	82	38-133	6	33
2-Chlorophenol	3,316	3,081	93	34-146	10	34
1,4-Dichlorobenzene	1,658	1,342	81	43-124	3	26
N-Nitroso-di-n-propylamine	1,658	1,508	91	48-130	13	43
1,2,4-Trichlorobenzene	1,658	1,551	94	53-128	13	24
4-Chloro-3-methylphenol	3,316	2,692	81	37-132	8	35
Acenaphthene	1,658	1,363	82	55-122	11	26
4-Nitrophenol	3,316	2,319	70	24-112	10	47
2,4-Dinitrotoluene	1,658	1,500	90	37-122	2	33
Pentachlorophenol	3,316	1,126	34	15-110	6	50
Pyrene	1,658	1,428	86	30-134	14	32

Surrogate	IREC	Limits
2-Fluorophenol	80	40-134
Phenol-d5	83	39-135
2,4,6-Tribromophenol	76	16-131
Nitrobenzene-d5	91	38-131
2-Fluorobiphenyl	86	45-129
Terphenyl-d14	89	41-140



Purgeable Halocarbons by GC/MS

Lab #:	150041	Prep:	EPA 5030
Client:	Utility Vault Company	Analysis:	EPA 8260B
Project#:	STANDARD		
Field ID:	1	Diln Fac:	1.080
Lab ID:	150041-001	Batch#:	61214
Matrix:	Soil	Sampled:	01/31/01
Units:	ug/Kg	Received:	01/31/01
Basis:	wet	Analyzed:	02/01/01

Analyte	Result	RL
Chloromethane	ND	11
Vinyl Chloride	ND	11
Bromomethane	ND	11
Chloroethane	ND	11
Trichlorofluoromethane	ND	5.4
Freon 113	ND	5.4
1,1-Dichloroethene	ND	5.4
Methylene Chloride	ND	22
trans-1,2-Dichloroethene	ND	5.4
1,1-Dichloroethane	ND	5.4
cis-1,2-Dichloroethene	ND	5.4
Chloroform	ND	5.4
1,1,1-Trichloroethane	ND	5.4
Carbon Tetrachloride	ND	5.4
1,2-Dichloroethane	ND	5.4
Trichloroethene	ND	5.4
1,2-Dichloropropane	ND	5.4
Bromodichloromethane	ND	5.4
cis-1,3-Dichloropropene	ND	5.4
trans-1,3-Dichloropropene	ND	5.4
1,1,2-Trichloroethane	ND	5.4
Tetrachloroethene	ND	5.4
Dibromochloromethane	ND	5.4
Chlorobenzene	ND	5.4
Bromoform	ND	11
1,1,2,2-Tetrachloroethane	ND	5.4
1,3-Dichlorobenzene	ND	5.4
1,4-Dichlorobenzene	ND	5.4
1,2-Dichlorobenzene	ND	5.4

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	102	76-127
Toluene-d8	102	80-111
Bromofluorobenzene	98	77-126

ND= Not Detected

RL= Reporting Limit

Page 1 of 1

**Purgeable Halocarbons by GC/MS**

Lab #:	150041	Prep:	EPA 5030
Client:	Utility Vault Company	Analysis:	EPA 8260B
Project#:	STANDARD		
Field ID:	150041-002 1st basket	Diln Fac:	1.060
Lab ID:	150041-002	Batch#:	61214
Matrix:	Soil	Sampled:	01/31/01
Units:	ug/Kg	Received:	01/31/01
Basis:	wet	Analyzed:	02/01/01

Analyte	Result	RL
Chloromethane	ND	11
Vinyl Chloride	ND	11
Bromomethane	ND	11
Chloroethane	ND	11
Trichlorofluoromethane	ND	5.3
Freon 113	ND	5.3
1,1-Dichloroethene	ND	5.3
Methylene Chloride	ND	21
trans-1,2-Dichloroethene	ND	5.3
1,1-Dichloroethane	ND	5.3
cis-1,2-Dichloroethene	11	5.3
Chloroform	ND	5.3
1,1,1-Trichloroethane	ND	5.3
Carbon Tetrachloride	ND	5.3
1,2-Dichloroethane	ND	5.3
Trichloroethene	ND	5.3
1,2-Dichloropropane	ND	5.3
Bromodichloromethane	ND	5.3
cis-1,3-Dichloropropene	ND	5.3
trans-1,3-Dichloropropene	ND	5.3
1,1,2-Trichloroethane	ND	5.3
Tetrachloroethene	ND	5.3
Dibromochloromethane	ND	5.3
Chlorobenzene	ND	5.3
Bromoform	ND	11
1,1,2,2-Tetrachloroethane	ND	5.3
1,3-Dichlorobenzene	ND	5.3
1,4-Dichlorobenzene	ND	5.3
1,2-Dichlorobenzene	ND	5.3

Surrogate	UREC	Limits
1,2-Dichloroethane-d4	101	76-127
Toluene-d8	98	80-111
Bromofluorobenzene	104	77-126



Purgeable Halocarbons by GC/MS

Lab #:	150041	Prep:	EPA 5030
Client:	Utility Vault Company	Analysis:	EPA 8260B
Project#:	STANDARD		
Field ID:	3	Diln Fac:	0.9800
Lab ID:	150041-003	Batch#:	61214
Matrix:	Soil	Sampled:	01/31/01
Units:	ug/Kg	Received:	01/31/01
Basis:	wet	Analyzed:	02/01/01

Analyte	Result	RL
Chloromethane	ND	9.8
Vinyl Chloride	ND	9.8
Bromomethane	ND	9.8
Chloroethane	ND	9.8
Trichlorofluoromethane	ND	4.9
Freon 113	ND	4.9
1,1-Dichloroethene	ND	4.9
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	4.9
1,1-Dichloroethane	ND	4.9
cis-1,2-Dichloroethene	ND	4.9
Chloroform	ND	4.9
1,1,1-Trichloroethane	ND	4.9
Carbon Tetrachloride	ND	4.9
1,2-Dichloroethane	ND	4.9
Trichloroethene	ND	4.9
1,2-Dichloropropane	ND	4.9
Bromodichloromethane	ND	4.9
cis-1,3-Dichloropropene	ND	4.9
trans-1,3-Dichloropropene	ND	4.9
1,1,2-Trichloroethane	ND	4.9
Tetrachloroethene	ND	4.9
Dibromochloromethane	ND	4.9
Chlorobenzene	ND	4.9
Bromoform	ND	9.8
1,1,2,2-Tetrachloroethane	ND	4.9
1,3-Dichlorobenzene	ND	4.9
1,4-Dichlorobenzene	ND	4.9
1,2-Dichlorobenzene	ND	4.9

Surrogate	UREC	Limits
1,2-Dichloroethane-d4	103	76-127
Toluene-d8	102	80-111
Bromofluorobenzene	100	77-126

ND= Not Detected

RL= Reporting Limit

**Purgeable Halocarbons by GC/MS**

Lab #:	150041	Prep:	EPA 5030
Client:	Utility Vault Company	Analysis:	EPA 8260B
Project#:	STANDARD		
Field ID:	<i>2' below back pit</i>	Diln Fac:	1.000
Lab ID:	150041-004	Batch#:	61214
Matrix:	Soil	Sampled:	01/31/01
Units:	ug/Kg	Received:	01/31/01
Basis:	wet	Analyzed:	02/01/01

Analyte	Result	RL
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Bromoform	ND	10
1,1,2,2-Tetrachloroethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0

Surrogate	MREC Limits	
1,2-Dichloroethane-d4	101	76-127
Toluene-d8	100	80-111
Bromofluorobenzene	98	77-126

**Purgeable Halocarbons by GC/MS**

Lab #:	150041	Prep:	EPA 5030
Client:	Utility Vault Company	Analysis:	EPA 8260B
Project#:	STANDARD		
Field ID:	9 <i>Ferm oil</i>	Diln Fac:	0.9259
Lab ID:	150041-005	Batch#:	61214
Matrix:	Soil	Sampled:	01/31/01
Units:	ug/Kg	Received:	01/31/01
Basis:	wet	Analyzed:	02/01/01

Analyte	Result	RL
Chloromethane	ND	9.3
Vinyl Chloride	ND	9.3
Bromomethane	ND	9.3
Chloroethane	ND	9.3
Trichlorofluoromethane	ND	4.6
Freon 113	ND	4.6
1,1-Dichloroethene	ND	4.6
Methylene Chloride	ND	19
trans-1,2-Dichloroethene	ND	4.6
1,1-Dichloroethane	ND	4.6
cis-1,2-Dichloroethene	ND	4.6
Chloroform	ND	4.6
1,1,1-Trichloroethane	ND	4.6
Carbon Tetrachloride	ND	4.6
1,2-Dichloroethane	ND	4.6
Trichloroethene	ND	4.6
1,2-Dichloropropane	ND	4.6
Bromodichloromethane	ND	4.6
cis-1,3-Dichloropropene	ND	4.6
trans-1,3-Dichloropropene	ND	4.6
1,1,2-Trichloroethane	ND	4.6
Tetrachloroethene	ND	4.6
Dibromochloromethane	ND	4.6
Chlorobenzene	ND	4.6
Bromoform	ND	9.3
1,1,2,2-Tetrachloroethane	ND	4.6
1,3-Dichlorobenzene	ND	4.6
1,4-Dichlorobenzene	ND	4.6
1,2-Dichlorobenzene	ND	4.6

Surrogate	VREC	Limits
1,2-Dichloroethane-d4	102	76-127
Toluene-d8	101	80-111
Bromofluorobenzene	95	77-126

ND= Not Detected

RL= Reporting Limit



Purgeable Halocarbons by GC/MS

Lab #:	150041	Prep:	EPA 5030
Client:	Utility Vault Company	Analysis:	EPA 8260B
Project#:	STANDARD		
Field ID:	2' below vault	Diln Fac:	0.9434
Lab ID:	150041-006	Batch#:	61214
Matrix:	Soil	Sampled:	01/31/01
Units:	ug/Kg	Received:	01/31/01
Basis:	wet	Analyzed:	02/01/01

Analyte	Result	RL
Chloromethane	ND	9.4
Vinyl Chloride	ND	9.4
Bromomethane	ND	9.4
Chloroethane	ND	9.4
Trichlorofluoromethane	ND	4.7
Freon 113	ND	4.7
1,1-Dichloroethene	ND	4.7
Methylene Chloride	ND	19
trans-1,2-Dichloroethene	ND	4.7
1,1-Dichloroethane	ND	4.7
cis-1,2-Dichloroethene	ND	4.7
Chloroform	ND	4.7
1,1,1-Trichloroethane	ND	4.7
Carbon Tetrachloride	ND	4.7
1,2-Dichloroethane	ND	4.7
Trichloroethene	ND	4.7
1,2-Dichloropropane	ND	4.7
Bromodichloromethane	ND	4.7
cis-1,3-Dichloropropene	ND	4.7
trans-1,3-Dichloropropene	ND	4.7
1,1,2-Trichloroethane	ND	4.7
Tetrachloroethene	ND	4.7
Dibromochloromethane	ND	4.7
Chlorobenzene	ND	4.7
Bromoform	ND	9.4
1,1,2,2-Tetrachloroethane	ND	4.7
1,3-Dichlorobenzene	ND	4.7
1,4-Dichlorobenzene	ND	4.7
1,2-Dichlorobenzene	ND	4.7

Surrogate	REC	Limits
1,2-Dichloroethane-d4	99	76-127
Toluene-d8	103	80-111
Bromofluorobenzene	98	77-126



Purgeable Halocarbons by GC/MS

Lab #:	150041	Prep:	EPA 5030
Client:	Utility Vault Company	Analysis:	EPA 8260B
Project#:	STANDARD		
Field ID:	<i>7 drum storage</i>	Diln Fac:	0.9804
Lab ID:	150041-007	Batch#:	61214
Matrix:	Soil	Sampled:	01/31/01
Units:	ug/Kg	Received:	01/31/01
Basis:	wet	Analyzed:	02/01/01

Analyte	Result	RL
Chloromethane	ND	9.8
Vinyl Chloride	ND	9.8
Bromomethane	ND	9.8
Chloroethane	ND	9.8
Trichlorofluoromethane	ND	4.9
Freon 113	ND	4.9
1,1-Dichloroethene	ND	4.9
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	4.9
1,1-Dichloroethane	ND	4.9
cis-1,2-Dichloroethene	ND	4.9
Chloroform	ND	4.9
1,1,1-Trichloroethane	ND	4.9
Carbon Tetrachloride	ND	4.9
1,2-Dichloroethane	ND	4.9
Trichloroethene	ND	4.9
1,2-Dichloropropane	ND	4.9
Bromodichloromethane	ND	4.9
cis-1,3-Dichloropropene	ND	4.9
trans-1,3-Dichloropropene	ND	4.9
1,1,2-Trichloroethane	ND	4.9
Tetrachloroethene	ND	4.9
Dibromochloromethane	ND	4.9
Chlorobenzene	ND	4.9
Bromoform	ND	9.8
1,1,2,2-Tetrachloroethane	ND	4.9
1,3-Dichlorobenzene	ND	4.9
1,4-Dichlorobenzene	ND	4.9
1,2-Dichlorobenzene	ND	4.9

Surrogate	SRRC	Limits
1,2-Dichloroethane-d4	99	76-127
Toluene-d8	102	80-111
Bromofluorobenzene	100	77-126

ND= Not Detected

RL= Reporting Limit



Purgeable Halocarbons by GC/MS

Lab #:	150041	Prep:	EPA 5030
Client:	Utility Vault Company	Analysis:	EPA 8260B
Project#:	STANDARD		
Field ID:	8.0 <i>drum/transformer</i>	Diln Fac:	0.9615
Lab ID:	150041-008	Batch#:	61214
Matrix:	Soil	Sampled:	01/31/01
Units:	ug/Kg	Received:	01/31/01
Basis:	wet	Analyzed:	02/01/01

Analyte	Result	RL
Chloromethane	ND	9.6
Vinyl Chloride	ND	9.6
Bromomethane	ND	9.6
Chloroethane	ND	9.6
Trichlorofluoromethane	ND	4.8
Freon 113	ND	4.8
1,1-Dichloroethene	ND	4.8
Methylene Chloride	ND	19
trans-1,2-Dichloroethene	ND	4.8
1,1-Dichloroethane	ND	4.8
cis-1,2-Dichloroethene	ND	4.8
Chloroform	ND	4.8
1,1,1-Trichloroethane	ND	4.8
Carbon Tetrachloride	ND	4.8
1,2-Dichloroethane	ND	4.8
Trichloroethene	ND	4.8
1,2-Dichloropropane	ND	4.8
Bromodichloromethane	ND	4.8
cis-1,3-Dichloropropene	ND	4.8
trans-1,3-Dichloropropene	ND	4.8
1,1,2-Trichloroethane	ND	4.8
Tetrachloroethene	ND	4.8
Dibromochloromethane	ND	4.8
Chlorobenzene	ND	4.8
Bromoform	ND	9.6
1,1,2,2-Tetrachloroethane	ND	4.8
1,3-Dichlorobenzene	ND	4.8
1,4-Dichlorobenzene	ND	4.8
1,2-Dichlorobenzene	ND	4.8

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	100	76-127
Toluene-d8	101	80-111
Bromofluorobenzene	97	77-126

ND= Not Detected

RL= Reporting Limit

Page 1 of 1

**Purgeable Halocarbons by GC/MS**

Lab #:	150041	Prep:	EPA 5030
Client:	Utility Vault Company	Analysis:	EPA 8260B
Project#:	STANDARD		
Type:	BLANK	Basis:	wet
Lab ID:	QC136441	Diln Fac:	1.000
Matrix:	Soil	Batch#:	61214
Units:	ug/Kg	Analyzed:	02/01/01

Analyte	Result	RL
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Bromoform	ND	10
1,1,2,2-Tetrachloroethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0

Surrogate	IREC	Limits
1,2-Dichloroethane-d4	104	76-127
Toluene-d8	102	80-111
Bromofluorobenzene	97	77-126

**Purgeable Halocarbons by GC/MS**

Lab #:	150041	Prep:	EPA 5030
Client:	Utility Vault Company	Analysis:	EPA 8260B
Project#:	STANDARD		
Type:	LCS	Basis:	wet
Lab ID:	QC136440	Diln Fac:	1.000
Matrix:	Soil	Batch#:	61214
Units:	ug/Kg	Analyzed:	02/01/01

Analyte	Spiked	Result	REC	Limits
1,1-Dichloroethene	50.00	48.02	96	66-138
Trichloroethene	50.00	48.85	98	75-124
Chlorobenzene	50.00	47.33	95	78-115

Surrogate	REC	Limits
1,2-Dichloroethane-d4	102	76-127
Toluene-d8	104	80-111
Bromofluorobenzene	95	77-126

**Purgeable Halocarbons by GC/MS**

Lab #:	150041	Prep:	EPA 5030
Client:	Utility Vault Company	Analysis:	EPA 8260B
Project#:	STANDARD		
Field ID:	4	Diln Fac:	1.000
MSS Lab ID:	150041-004	Batch#:	61214
Matrix:	Soil	Sampled:	01/31/01
Units:	ug/Kg	Received:	01/31/01
Basis:	wet	Analyzed:	02/01/01

Type: MS Lab ID: QC136500

Analyte	MSS Result	Spiked	Result	AREC	Limits
1,1-Dichloroethene	ND	50.00	46.16	92	42-145
Trichloroethene	ND	50.00	45.86	92	33-133
Chlorobenzene	ND	50.00	42.99	86	38-137

Surrogate	AREC	Limits
1,2-Dichloroethane-d4	98	76-127
Toluene-d8	100	80-111
Bromofluorobenzene	102	77-126

Type: MSD Lab ID: QC136501

Analyte	Spiked	Result	AREC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	46.93	94	42-145	2	31
Trichloroethene	50.00	47.05	94	33-133	3	30
Chlorobenzene	50.00	43.45	87	38-137	1	31

Surrogate	AREC	Limits
1,2-Dichloroethane-d4	95	76-127
Toluene-d8	102	80-111
Bromofluorobenzene	99	77-126

ND= Not Detected

RPD= Relative Percent Difference



California Title 26 Metals

Lab #:	150041	Project#:	STANDARD
Client:	Utility Vault Company		
Field ID:		Diln Fac:	1.000
Lab ID:	150041-001	Sampled:	01/31/01
Matrix:	Soil	Received:	01/31/01
Units:	mg/Kg	Prepared:	02/01/01
Basis:	wet		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	3.0	61223	02/03/01	EPA 3050	EPA 6010B
Arsenic	2.3	0.25	61223	02/03/01	EPA 3050	EPA 6010B
Barium	44	0.50	61223	02/03/01	EPA 3050	EPA 6010B
Beryllium	0.13	0.099	61223	02/03/01	EPA 3050	EPA 6010B
Cadmium	1.9	0.25	61223	02/03/01	EPA 3050	EPA 6010B
Chromium	24	0.50	61223	02/03/01	EPA 3050	EPA 6010B
Cobalt	5.7	0.99	61223	02/03/01	EPA 3050	EPA 6010B
Copper	22	0.50	61223	02/03/01	EPA 3050	EPA 6010B
Lead	3.9	0.15	61223	02/03/01	EPA 3050	EPA 6010B
Mercury	0.029	0.018	61228	02/01/01	METHOD	EPA 7471
Molybdenum	ND	0.99	61223	02/03/01	EPA 3050	EPA 6010B
Nickel	40	0.99	61223	02/03/01	EPA 3050	EPA 6010B
Selenium	0.37	0.25	61223	02/03/01	EPA 3050	EPA 6010B
Silver	ND	0.25	61223	02/03/01	EPA 3050	EPA 6010B
Thallium	ND	0.25	61223	02/03/01	EPA 3050	EPA 6010B
Vanadium	14	0.50	61223	02/03/01	EPA 3050	EPA 6010B
Zinc	29	0.99	61223	02/03/01	EPA 3050	EPA 6010B

ND= Not Detected

RL= Reporting Limit



California Title 26 Metals

Lab #:	150041	Project#:	STANDARD
Client:	Utility Vault Company		
Field ID:	2 1st Basket	Diln Fac:	1.000
Lab ID:	150041-002	Sampled:	01/31/01
Matrix:	Soil	Received:	01/31/01
Units:	mg/Kg	Prepared:	02/01/01
Basis:	wet		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	3.0	61223	02/03/01	EPA 3050	EPA 6010B
Arsenic	3.1	0.25	61223	02/03/01	EPA 3050	EPA 6010B
Barium	130	0.50	61223	02/03/01	EPA 3050	EPA 6010B
Beryllium	0.17	0.10	61223	02/03/01	EPA 3050	EPA 6010B
Cadmium	2.1	0.25	61223	02/03/01	EPA 3050	EPA 6010B
Chromium	25	0.50	61223	02/03/01	EPA 3050	EPA 6010B
Cobalt	5.5	1.0	61223	02/03/01	EPA 3050	EPA 6010B
Copper	39	0.50	61223	02/03/01	EPA 3050	EPA 6010B
Lead	9.9	0.15	61223	02/03/01	EPA 3050	EPA 6010B
Mercury	0.042	0.019	61228	02/01/01	METHOD	EPA 7471
Molybdenum	1.0	1.0	61223	02/03/01	EPA 3050	EPA 6010B
Nickel	38	1.0	61223	02/03/01	EPA 3050	EPA 6010B
Selenium	ND	0.25	61223	02/03/01	EPA 3050	EPA 6010B
Silver	ND	0.25	61223	02/03/01	EPA 3050	EPA 6010B
Thallium	ND	0.25	61223	02/03/01	EPA 3050	EPA 6010B
Vanadium	20	0.50	61223	02/03/01	EPA 3050	EPA 6010B
Zinc	150	1.0	61223	02/03/01	EPA 3050	EPA 6010B

ND= Not Detected

RL= Reporting Limit

California Title 26 Metals

Lab #:	150041	Project#:	STANDARD
Client:	Utility Vault Company		
Field ID:	3	Diln Fac:	1.000
Lab ID:	150041-003	Sampled:	01/31/01
Matrix:	Soil	Received:	01/31/01
Units:	mg/Kg	Prepared:	02/01/01
Basis:	wet		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	2.9	61223	02/03/01	EPA 3050	EPA 6010B
Arsenic	2.9	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Barium	78	0.49	61223	02/03/01	EPA 3050	EPA 6010B
Beryllium	0.16	0.097	61223	02/03/01	EPA 3050	EPA 6010B
Cadmium	1.9	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Chromium	36	0.49	61223	02/03/01	EPA 3050	EPA 6010B
Cobalt	6.1	0.97	61223	02/03/01	EPA 3050	EPA 6010B
Copper	17	0.49	61223	02/03/01	EPA 3050	EPA 6010B
Lead	4.3	0.15	61223	02/03/01	EPA 3050	EPA 6010B
Mercury	0.039	0.019	61228	02/01/01	METHOD	EPA 7471
Molybdenum	ND	0.97	61223	02/03/01	EPA 3050	EPA 6010B
Nickel	63	0.97	61223	02/03/01	EPA 3050	EPA 6010B
Selenium	ND	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Silver	ND	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Thallium	ND	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Vanadium	18	0.49	61223	02/03/01	EPA 3050	EPA 6010B
Zinc	26	0.97	61223	02/03/01	EPA 3050	EPA 6010B

ND= Not Detected

RL= Reporting Limit



California Title 26 Metals

Lab #:	150041	Project#:	STANDARD
Client:	Utility Vault Company		
Field ID:	4	Diln Fac:	1.000
Lab ID:	150041-004	Sampled:	01/31/01
Matrix:	Soil	Received:	01/31/01
Units:	mg/Kg	Prepared:	02/01/01
Basis:	wet		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	2.9	61223	02/03/01	EPA 3050	EPA 6010B
Arsenic	10	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Barium	160	0.48	61223	02/03/01	EPA 3050	EPA 6010B
Beryllium	0.43	0.096	61223	02/03/01	EPA 3050	EPA 6010B
Cadmium	4.5	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Chromium	75	0.48	61223	02/03/01	EPA 3050	EPA 6010B
Cobalt	16	0.96	61223	02/03/01	EPA 3050	EPA 6010B
Copper	50	0.48	61223	02/03/01	EPA 3050	EPA 6010B
Lead	9.3	0.14	61223	02/03/01	EPA 3050	EPA 6010B
Mercury	0.26	0.019	61228	02/01/01	METHOD	EPA 7471
Molybdenum	ND	0.96	61223	02/03/01	EPA 3050	EPA 6010B
Nickel	140	0.96	61223	02/03/01	EPA 3050	EPA 6010B
Selenium	ND	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Silver	ND	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Thallium	ND	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Vanadium	37	0.48	61223	02/03/01	EPA 3050	EPA 6010B
Zinc	51	0.96	61223	02/03/01	EPA 3050	EPA 6010B

ND= Not Detected

RL= Reporting Limit



California Title 26 Metals

Lab #:	150041	Project#:	STANDARD
Client:	Utility Vault Company		
Field ID:	<i>Formoid</i>	Diln Fac:	1.000
Lab ID:	150041-005	Sampled:	01/31/01
Matrix:	Soil	Received:	01/31/01
Units:	mg/Kg	Prepared:	02/01/01
Basis:	wet		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	2.9	61223	02/03/01	EPA 3050	EPA 6010B
Arsenic	6.7	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Barium	130	0.49	61223	02/03/01	EPA 3050	EPA 6010B
Beryllium	0.30	0.097	61223	02/03/01	EPA 3050	EPA 6010B
Cadmium	3.1	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Chromium	55	0.49	61223	02/03/01	EPA 3050	EPA 6010B
Cobalt	12	0.97	61223	02/03/01	EPA 3050	EPA 6010B
Copper	40	0.49	61223	02/03/01	EPA 3050	EPA 6010B
Lead	6.7	0.15	61223	02/03/01	EPA 3050	EPA 6010B
Mercury	0.18	0.017	61228	02/01/01	METHOD	EPA 7471
Molybdenum	ND	0.97	61223	02/03/01	EPA 3050	EPA 6010B
Nickel	97	0.97	61223	02/03/01	EPA 3050	EPA 6010B
Selenium	0.44	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Silver	ND	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Thallium	ND	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Vanadium	27	0.49	61223	02/03/01	EPA 3050	EPA 6010B
Zinc	40	0.97	61223	02/03/01	EPA 3050	EPA 6010B

ND= Not Detected

RL= Reporting Limit



California Title 26 Metals

Lab #:	150041	Project#:	STANDARD
Client:	Utility Vault Company		
Field ID:	6	Diln Fac:	1.000
Lab ID:	150041-006	Sampled:	01/31/01
Matrix:	Soil	Received:	01/31/01
Units:	mg/Kg	Prepared:	02/01/01
Basis:	wet		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	3.0	61223	02/03/01	EPA 3050	EPA 6010B
Arsenic	4.6	0.25	61223	02/03/01	EPA 3050	EPA 6010B
Barium	100	0.50	61223	02/03/01	EPA 3050	EPA 6010B
Beryllium	0.23	0.099	61223	02/03/01	EPA 3050	EPA 6010B
Cadmium	2.5	0.25	61223	02/03/01	EPA 3050	EPA 6010B
Chromium	44	0.50	61223	02/03/01	EPA 3050	EPA 6010B
Cobalt	9.0	0.99	61223	02/03/01	EPA 3050	EPA 6010B
Copper	27	0.50	61223	02/03/01	EPA 3050	EPA 6010B
Lead	5.8	0.15	61223	02/03/01	EPA 3050	EPA 6010B
Mercury	0.077	0.017	61228	02/01/01	METHOD	EPA 7471
Molybdenum	ND	0.99	61223	02/03/01	EPA 3050	EPA 6010B
Nickel	75	0.99	61223	02/03/01	EPA 3050	EPA 6010B
Selenium	0.32	0.25	61223	02/03/01	EPA 3050	EPA 6010B
Silver	ND	0.25	61223	02/03/01	EPA 3050	EPA 6010B
Thallium	ND	0.25	61223	02/03/01	EPA 3050	EPA 6010B
Vanadium	24	0.50	61223	02/03/01	EPA 3050	EPA 6010B
Zinc	35	0.99	61223	02/03/01	EPA 3050	EPA 6010B

ND= Not Detected

RL= Reporting Limit



California Title 26 Metals

Lab #:	150041	Project#:	STANDARD
Client:	Utility Vault Company		
Field ID:	7	Diln Fac:	1.000
Lab ID:	150041-007	Sampled:	01/31/01
Matrix:	Soil	Received:	01/31/01
Units:	mg/Kg	Prepared:	02/01/01
Basis:	wet		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	2.9	61223	02/03/01	EPA 3050	EPA 6010B
Arsenic	6.9	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Barium	130	0.48	61223	02/03/01	EPA 3050	EPA 6010B
Beryllium	0.30	0.096	61223	02/03/01	EPA 3050	EPA 6010B
Cadmium	3.3	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Chromium	52	0.48	61223	02/03/01	EPA 3050	EPA 6010B
Cobalt	12	0.96	61223	02/03/01	EPA 3050	EPA 6010B
Copper	45	0.48	61223	02/03/01	EPA 3050	EPA 6010B
Lead	6.9	0.14	61223	02/03/01	EPA 3050	EPA 6010B
Mercury	0.24	0.020	61228	02/01/01	METHOD	EPA 7471
Molybdenum	ND	0.96	61223	02/03/01	EPA 3050	EPA 6010B
Nickel	91	0.96	61223	02/03/01	EPA 3050	EPA 6010B
Selenium	ND	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Silver	ND	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Thallium	ND	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Vanadium	34	0.48	61223	02/03/01	EPA 3050	EPA 6010B
Zinc	48	0.96	61223	02/03/01	EPA 3050	EPA 6010B

ND= Not Detected

RL= Reporting Limit



California Title 26 Metals

Lab #:	150041	Project#:	STANDARD
Client:	Utility Vault Company		
Field ID:	8	Diln Fac:	1.000
Lab ID:	150041-008	Sampled:	01/31/01
Matrix:	Soil	Received:	01/31/01
Units:	mg/Kg	Prepared:	02/01/01
Basis:	wet		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	2.8	61223	02/03/01	EPA 3050	EPA 6010B
Arsenic	5.8	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Barium	120	0.47	61223	02/03/01	EPA 3050	EPA 6010B
Beryllium	0.27	0.094	61223	02/03/01	EPA 3050	EPA 6010B
Cadmium	2.9	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Chromium	52	0.47	61223	02/03/01	EPA 3050	EPA 6010B
Cobalt	12	0.94	61223	02/03/01	EPA 3050	EPA 6010B
Copper	47	0.47	61223	02/03/01	EPA 3050	EPA 6010B
Lead	6.9	0.14	61223	02/03/01	EPA 3050	EPA 6010B
Mercury	0.092	0.017	61228	02/01/01	METHOD	EPA 7471
Molybdenum	ND	0.94	61223	02/03/01	EPA 3050	EPA 6010B
Nickel	92	0.94	61223	02/03/01	EPA 3050	EPA 6010B
Selenium	ND	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Silver	ND	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Thallium	ND	0.24	61223	02/03/01	EPA 3050	EPA 6010B
Vanadium	27	0.47	61223	02/03/01	EPA 3050	EPA 6010B
Zinc	48	0.94	61223	02/03/01	EPA 3050	EPA 6010B

ND= Not Detected

RL= Reporting Limit

California Title 26 Metals

Lab #:	150041	Prep:	EPA 3050
Client:	Utility Vault Company	Analysis:	EPA 6010B
Project#:	STANDARD		
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC136472	Batch#:	61223
Matrix:	Soil	Prepared:	02/01/01
Units:	mg/Kg	Analyzed:	02/03/01
Basis:	wet		

Analyte	Result	RL
Antimony	ND	3.0
Arsenic	ND	0.25
Barium	ND	0.50
Beryllium	ND	0.10
Cadmium	ND	0.25
Chromium	ND	0.50
Cobalt	ND	1.0
Copper	ND	0.50
Lead	ND	0.15
Molybdenum	ND	1.0
Nickel	ND	1.0
Selenium	ND	0.25
Silver	ND	0.25
Thallium	ND	0.25
Vanadium	ND	0.50
Zinc	ND	1.0



California Title 26 Metals

Lab #:	150041	Prep:	METHOD
Client:	Utility Vault Company	Analysis:	EPA 7471
Project#:	STANDARD		
Analyte:	Mercury	Basis:	wet
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC136494	Batch#:	61228
Matrix:	Soil	Prepared:	02/01/01
Units:	mg/Kg	Analyzed:	02/01/01

Result	RL
ND	0.020



California Title 26 Metals

Lab #:	150041	Prep:	EPA 3050
Client:	Utility Vault Company	Analysis:	EPA 6010B
Project#:	STANDARD		
Matrix:	Soil	Batch#:	61223
Units:	mg/Kg	Prepared:	02/01/01
Basis:	wet	Analyzed:	02/03/01
Diln Fac:	1.000		

Type: BS

Lab ID: QC136473

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	95.00	95	73-111
Arsenic	50.00	44.80	90	74-110
Barium	100.0	88.00	88	76-110
Beryllium	2.500	2.325	93	77-110
Cadmium	10.00	8.550	86	75-112
Chromium	100.0	92.50	93	73-111
Cobalt	25.00	22.45	90	74-110
Copper	12.50	11.40	91	75-111
Lead	100.0	89.00	89	70-110
Molybdenum	20.00	18.55	93	75-110
Nickel	25.00	22.30	89	74-111
Selenium	50.00	40.25	81	73-111
Silver	10.00	8.750	88	70-115
Thallium	50.00	43.45	87	75-110
Vanadium	25.00	23.55	94	74-110
Zinc	25.00	19.85	79	68-110

Type: BSD

Lab ID: QC136474

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	96.50	97	73-111	2	20
Arsenic	50.00	45.90	92	74-110	2	20
Barium	100.0	89.00	89	76-110	1	23
Beryllium	2.500	2.380	95	77-110	2	20
Cadmium	10.00	8.750	88	75-112	2	20
Chromium	100.0	94.50	95	73-111	2	23
Cobalt	25.00	22.95	92	74-110	2	24
Copper	12.50	11.55	92	75-111	1	22
Lead	100.0	91.50	92	70-110	3	20
Molybdenum	20.00	18.95	95	75-110	2	20
Nickel	25.00	22.80	91	74-111	2	21
Selenium	50.00	41.25	83	73-111	2	20
Silver	10.00	8.850	89	70-115	1	39
Thallium	50.00	44.60	89	75-110	3	20
Vanadium	25.00	24.00	96	74-110	2	20
Zinc	25.00	20.60	82	68-110	4	22

California Title 26 Metals

Lab #:	150041	Prep:	METHOD
Client:	Utility Vault Company	Analysis:	EPA 7471
Project#:	STANDARD		
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	61228
Units:	mg/Kg	Prepared:	02/01/01
Basis:	wet	Analyzed:	02/01/01

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC136495	0.5000	0.4620	92	80-114		
BSD	QC136496	0.5000	0.4420	88	80-114	4	130

California Title 26 Metals

Lab #:	150041	Prep:	EPA 3050
Client:	Utility Vault Company	Analysis:	EPA 6010B
Project#:	STANDARD		
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
Type:	SDUP	Batch#:	61223
MSS Lab ID:	149996-001	Sampled:	01/29/01
Lab ID:	QC136475	Received:	01/30/01
Matrix:	Soil	Prepared:	02/01/01
Units:	mg/Kg	Analyzed:	02/03/01
Basis:	wet		

Analyte	MSS Result	Result	RL	RPD	Lim
Antimony	<2.817	ND	3.0	NC	48
Arsenic	3.005	2.709	0.25	10	39
Barium	122.5	167.5	0.49	31 *	29
Beryllium	0.4836	0.4803	0.099	1	21
Cadmium	2.620	2.419	0.25	8	27
Chromium	58.69	56.16	0.49	4	34
Cobalt	7.418	7.537	0.99	2	34
Copper	14.23	14.09	0.49	1	38
Lead	3.977	3.616	0.15	10	40
Molybdenum	<0.9390	ND	0.99	NC	37
Nickel	81.69	75.86	0.99	7	31
Selenium	<0.2347	ND	0.25	NC	39
Silver	<0.2347	ND	0.25	NC	46
Thallium	<0.2347	ND	0.25	NC	45
Vanadium	36.38	33.99	0.49	7	26
Zinc	27.84	26.35	0.99	5	34

*= Value outside of QC limits; see narrative

NC= Not Calculated

ND= Not Detected

RL= Reporting Limit

RPD= Relative Percent Difference



California Title 26 Metals

Lab #:	150041	Prep:	EPA 3050
Client:	Utility Vault Company	Analysis:	EPA 6010B
Project#:	STANDARD		
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
Type:	SSPIKE	Batch#:	61223
MSS Lab ID:	149996-001	Sampled:	01/29/01
Lab ID:	QC136476	Received:	01/30/01
Matrix:	Soil	Prepared:	02/01/01
Units:	mg/Kg	Analyzed:	02/03/01
Basis:	wet		

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	0.2779	99.50	35.87	36	15-112
Arsenic	3.005	49.75	43.43	81	51-114
Barium	122.5	99.50	228.4	106	29-149
Beryllium	0.4836	2.488	2.682	88	56-116
Cadmium	2.620	9.950	10.35	78	35-128
Chromium	58.69	99.50	143.8	86	23-141
Cobalt	7.418	24.88	29.30	88	45-115
Copper	14.23	12.44	25.57	91	36-132
Lead	3.977	99.50	85.57	82	31-133
Molybdenum	0.1333	19.90	15.17	76	34-121
Nickel	81.69	24.88	105.0	94	32-132
Selenium	0.2047	49.75	36.37	73	40-118
Silver	ND	9.950	8.308	84	36-137
Thallium	ND	49.75	39.60	80	55-109
Vanadium	36.38	24.88	58.21	88	22-142
Zinc	27.84	24.88	46.57	75	30-132

ND= Not Detected

California Title 26 Metals

Lab #:	150041	Prep:	METHOD
Client:	Utility Vault Company	Analysis:	EPA 7471
Project#:	STANDARD		
Analyte:	Mercury	Basis:	wet
Field ID:	ZZZZZZZZZZ	Diln Fac:	5.000
Type:	SDUP	Batch#:	61228
MSS Lab ID:	149906-001	Sampled:	01/24/01
Lab ID:	QC136497	Received:	01/24/01
Matrix:	Soil	Prepared:	02/01/01
Units:	mg/Kg	Analyzed:	02/01/01

MSS Result	Result	RL	RPD	Lim
1.088	0.6750	0.10	47 *	35

California Title 26 Metals

Lab #:	150041	Prep:	METHOD
Client:	Utility Vault Company	Analysis:	EPA 7471
Project#:	STANDARD		
Analyte:	Mercury	Basis:	wet
Field ID:	ZZZZZZZZZZ	Diln Fac:	5.000
Type:	SSPIKE	Batch#:	61228
MSS Lab ID:	149906-001	Sampled:	01/24/01
Lab ID:	QC136498	Received:	01/24/01
Matrix:	Soil	Prepared:	02/01/01
Units:	mg/Kg	Analyzed:	02/01/01

MSS Result	Spiked	Result	%REC	Limits
1.088	0.4717	1.401	66	65-135



REPUBLIC SERVICES VASCO ROAD, LLC

4001 N. Vasco Road, Livermore, California 94550 • (925) 447-0491

No: **0086958**

TICKET: 114073
CUSTOMER: PCM / PCM EXCAVATING
TRUCK: PCM
ACCT#: 5005602
PROFILE #: NA

P.O.:

DATE: 08/07/2001

TIME: 11:05 - 11:58

GENERATOR: NA / Non App.
ORIGIN: 0006 / LIVERMORE
LICENSE:
COMMENT:

UNITS: 33500 LBS
FARE: 33760 LBS
NET: 20120 LBS

WASTE	QUANTITY	UNIT	RATE	AMOUNT
HTH / HAZ TO HANDLE	33500	LBS	0.17	514.57

I certify that I have not disposed
of any liquid or hazardous waste

AMOUNT \$ 514.57

Signature: _____
Weighted:

DRIVER

RECYCLING

All children must remain in vehicles.
Absolutely no salvaging allowed.

WARNING: Transporting any unauthorized
hazardous waste to this facility for disposal is
prohibited by law. Persons violating this prohibition
are subject to civil and criminal prosecution.



REPUBLIC SERVICES VASCO ROAD, LLC

4001 N. Vasco Road, Livermore, California 94550 • (925) 447-0491

No: 0086918

TICKET: 114103
CUSTOMER: PCN / PCN EXCAVATING
TRUCK: 1
ACT#: 5005602
PROFILE #: NA

DATE: 02/07/2001
TIME: 11:16 - 11:18

GENERATOR: NA / Non App
ORIGIN: 0006 / LIVERMORE
LICENSE:
COMMENT:

GROSS: 0 LBS
TARE: 0 LBS
NET: 0 LBS

WASTE	QUANTITY	UNIT	RATE	AMOUNT
CG / CLEAN SOIL/YARDS/RECYCLE	150.00	YD	15.00	150.00

Totals: 150.00

I certify that I have not disposed of any liquid or hazardous waste

[Signature]

Weighted:

RECYCLING

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

All children must remain in vehicles. Absolutely no salvaging allowed.



REPUBLIC SERVICES VASCO ROAD, LLC

4001 N. Vasco Road, Livermore, California 94550 • (925) 447-0491

No: 0086991

TICKET: 114104
CUSTOMER: PCN / PCN EXCAVATING
TRUCK: 1
ACT#: 5005602
PROFILE #: NA

DATE: 02/07/2001
TIME: 12:49 - 12:49

GENERATOR: NA / Non App
ORIGIN: 0006 / LIVERMORE
LICENSE:
COMMENT:

GROSS: 0 LBS
TARE: 0 LBS
NET: 0 LBS

WASTE	QUANTITY	UNIT	RATE	AMOUNT
CG / CLEAN SOIL/YARDS/RECYCLE	150.00	YD	15.00	150.00

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

All children must remain in vehicles. Absolutely no salvaging allowed.



REPUBLIC SERVICES VASCO ROAD, LLC
 4001 N. Vasco Road, Livermore, California 94550 • (925) 447-0491

No. **0087056**

TICKET: 11A169
 CUSTOMER: PCM / PCM EXCAVATING
 TRUCK: 1
 ACCT#: 5005502
 PROFILE #: NA

DATE: 02/07/2001

TIME: 14:55 - 14:55

GENERATOR: NA / Non App
 ORIGIN: 0006 / LIVERMORE
 LICENSE:
 COMMENT:

GROSS: 0 LBS
 TARE: 0 LBS
 NET: 0 LBS

WASTE	QUANTITY	UNIT	RATE	AMOUNT
CS / CLEAN SOIL/YARDS/RECYCLE	15.00	Y	10.00	150.00

Total: \$ 150.00

I certify that I have not disposed
 of any liquid or hazardous waste

Signature: _____
 Weighmaster:

DRIVER

RECYCLING

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

All children must remain in vehicles.
 Absolutely no salvaging allowed.



REPUBLIC SERVICES VASCO ROAD, LLC
4001 N. Vasco Road, Livermore, California 94550 • (925) 447-0491

No: 0087321

TICKET: 114003
CUSTOMER: PCM / PCM EXCAVATING
TRUCK: 1 P.O.:
ACCT#: 5005602
PROFILE #: NA

DATE: 02/08/2001
TIME: 09:40 - 09:40

GENERATOR: NA / Non App
ORIGIN: 0006 / LIVERMORE
LICENSE:
COMMENT:

GROSS: 0 LBS
TARE: 0 LBS
NET: 0 LBS

WASTE	QUANTITY	UNIT	RATE	AMOUNT
CG / CLEAN SOIL YARDS/RECYCLE	15.00	Y	10.00	150.00

I certify that I have not disposed

Total: \$ 150.00

DRIVER

RECYCLING



REPUBLIC SERVICES VASCO ROAD, LLC
4001 N. Vasco Road, Livermore, California 94550 • (925) 447-0491

No: 0087325

TICKET: 114036
CUSTOMER: PCM / PCM EXCAVATING
TRUCK: 1932 P.O.:
ACCT#: 5005602
PROFILE #: 02648

DATE: 02/08/2001
TIME: 11:30 - 11:40

GENERATOR: 02648 / UTILITY VAULT
ORIGIN: 0006 / LIVERMORE
LICENSE:
COMMENT:

GROSS: 42000 LBS
TARE: 20700 LBS
NET: 21260 LBS

WASTE	QUANTITY	UNIT	RATE	AMOUNT
SOIL SOIL - ADD	22.00	Y	10.60	233.20

Total: \$ 233.20

I certify that I have not disposed

All children must remain in vehicles.
Absolutely no salvaging allowed.

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

All children must remain in vehicles.
Absolutely no salvaging allowed.

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.



REPUBLIC SERVICES VASCO ROAD, LLC

4001 N. Vasco Road, Livermore, California 94550 • (925) 447-0491

No: 0087374

TICKET: 114485
CUSTOMER: PCM / PCM EXCAVATING
TRUCK: 1932 P.O. #
ACCT#: 5005602
PROFILE #: 02848

DATE: 02/08/2001
TIME: 13:03 - 13:04

GENERATOR: 02848 / UTILITY VAULT
ORIGIN: 0005 / LIVERMORE
LICENSE:
COMMENT:

GROSS: 42626 LBS Manual
TARE: 20766 LBS Weight
NET: 21860 LBS

WASTE	QUANTITY	UNIT	RATE	AMOUNT
BDIL / DIL - ADC	10.93	BT	22.00	240.46

not disposed

total 240.46

Weighted

RECYCLING

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

All children must be in car seats. Absolutely no strollers.



REPUBLIC SERVICES VASCO ROAD, LLC

4001 N. Vasco Road, Livermore, California 94550 • (925) 447-0491

No: 0087450

TICKET: 114561
CUSTOMER: PCM / PCM EXCAVATING
TRUCK: 1 P.O. #
ACCT#: 5005602
PROFILE #: NA

DATE: 02/08/2001
TIME: 15:05 - 15:09

GENERATOR: NA / Non App
ORIGIN: 0005 / LIVERMORE
LICENSE:
COMMENT:

GROSS: 0 LBS
TARE: 0 LBS
NET: 0 LBS

WASTE	QUANTITY	UNIT	RATE	AMOUNT
LDSC / LDSC-COMMERCIAL	15.00	Y	15.30	153.00

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

All children must remain in vehicles. Absolutely no salvaging allowed.

TICKET: 114743
CUSTOMER: PDM / PDM EXCAVATING
TRUCK: 1
ACCT#: 5005602
PROFILE #: NA

DATE: 02/09/2001
TIME: 10:31 - 10:31

GENERATOR: NA / Non App
ORIGIN: 0006 / LIVERMORE
LICENSE:
COMMENT:

GROSS: 0 LBS
TARE: 0 LBS
NET: 0 LBS

WASTE	QUANTITY	UNIT	RATE	AMOUNT
L006 / L006 / COMMERCIAL	15.00	Y	15.30	\$ 153.00

I certify that I have not disposed
of any liquid or hazardous waste

Total: \$ 153.00

[Signature]
DRIVER

Weightmaster

RECYCLING



REPUBLIC SERVICES VASCO ROAD, LLC
4001 N. Vasco Road, Livermore, California 94550 • (925) 447-0491

No. 0087564

TICKET: 114678
CUSTOMER: PDM / PDM EXCAVATING
TRUCK: 1
ACCT#: 5005602
PROFILE #: NA

DATE: 02/09/2001
TIME: 08:45 - 08:48

GENERATOR: NA / Non App
ORIGIN: 0006 / LIVERMORE
LICENSE:
COMMENT:

GROSS: 0 LBS
TARE: 0 LBS
NET: 0 LBS

WASTE	QUANTITY	UNIT	RATE	AMOUNT
L006 / L006 / COMMERCIAL	15.00	Y	15.30	\$ 153.00

[Signature]
DRIVER

RECYCLING

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution. Absolutely no salvaging allowed.

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution. Absolutely no salvaging allowed.