

ENVIRONMENTAL
PROTECTION



Chevron

97 MAY 20 PM 3:10

May 19, 1997

Ms. Jennifer Eberle
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

32644

Chevron Products Company
6001 Boilinger Canyon Road
Building L
San Ramon, CA 94583
P.O. Box 6004
San Ramon, CA 94583-0904

Marketing - Sales West
Phone 510 842-9500

Re: Chevron Service Station #9-4800
1700 Castro Street
Oakland, California

Dear Ms. Eberle:

Enclosed is the Dispenser Island and Hand-Augered Borings report that was prepared by our consultant Gettler-Ryan, Inc. for the above noted facility. An environmental investigation was conducted at this site during the course of upgrading the dispenser islands. The investigation included collecting soil samples beneath and in the vicinity of the dispenser islands to determine the impact, if any from the service station operations.

Soil samples were collected beneath the dispenser islands and analyzed for TPH-g, TPH-d and BTEX constituents. The constituents were detected in all of the five initial samples in various degrees of concentrations. The highest TPH-g, TPH-d and benzene concentrations were detected in the soil samples CT-1 and CT-3 collected from the northeastern and central dispenser islands.

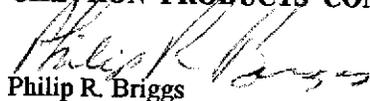
Based on these initial sampling results, and in agreement with your office, our consultant hand augered in the vicinity of the eastern and central dispenser islands. This was to further delineate the hydrocarbon impacted soil in the vicinity of the dispenser islands. Soil samples were collected between 4 feet below grade to 10 feet below grade and analyzed for the same constituents as noted above. Sixteen of the 24 samples collected did not contain the TPH-g and TPH-d constituents. Twelve of the 24 samples collected did not contain the benzene constituent.

Samples collected beneath and near the northeastern and central dispenser islands continued to detect the presence of petroleum hydrocarbons in the soil from the hand auguring. Therefore, your office requested that a soil and groundwater investigation be conducted, to determine the impact and extent of the hydrocarbons at the site. This investigation will be conducted at the site shortly and the report of the results will be forwarded to your office.

If you have any questions or comments, call me at (510) 842-9136.

Sincerely,

CHEVRON PRODUCTS COMPANY


Philip R. Briggs

Site Assessment and Remediation Project Manager

May 19, 1997
Ms. Jennifer Eberle
Chevron Service Station # 9-4800
Page 2

Enclosure

cc: Mr. Bill Scudder, Chevron

MAY 15 97



GETTLER-RYAN INC.

ENVIRONMENTAL
PROTECTION
97 MAY 20 PM 3:10

April 30, 1997

Mr. Phil Briggs
Chevron Products Company
P.O. Box 6004
San Ramon, California

Subject: Dispenser Island Sampling and Hand-Augered Borings At Chevron Service Station #9-4800, 1700 Castro Street, Oakland, California.

Mr. Briggs:

At the request of Chevron Products Company (Chevron), Gettler-Ryan Inc. (GR) performed a limited environmental investigation during upgrade of the dispenser islands at the subject site (Figure 1). The scope of work included: collecting soil samples beneath and in the vicinity of the dispenser islands, collecting one composite soil sample from stockpiled material generated by excavation activities; analyzing the soil samples; evaluating disposal options for the stockpiled soil; and preparing a report discussing field activities and soil analytical results.

The site is an active retail service station situated on the southwest corner of Castro Street and 18th Street (Figure 2). Existing facilities consist of five dispenser islands and a kiosk, and three underground storage tanks that share a common pit near the northern site boundary (Figure 2).

Initial Soil Sample Collection

On February 18, 1997, GR visited the site to collect soil samples beneath the former dispenser islands at the locations shown on Figure 2. Five discreet soil samples (CT-1 through CT-5) were collected and submitted to Sequoia Analytical (ELAP #1210) for analysis of Total Petroleum Hydrocarbons as gasoline (TPHg), Total Petroleum Hydrocarbons as diesel (TPHd), and benzene, toluene, ethylbenzene, and total xylenes (BTEX). GR sample collection and handling procedures are attached.

One of the five initial soil samples collected beneath the former dispenser islands did not contain concentrations of TPHg or TPHd. Four of the five initial soil samples did contain concentrations of TPHg ranging from 5.9 to 550 ppm. TPHd was also detected in these four samples ranging from 1.9 to 220 ppm. Benzene was detected in four of the five soil samples collected at concentrations ranging from 0.016 to 15 ppm. The highest TPHg, TPHd, and benzene concentrations were detected in the soil samples CT-1 and CT-3 collected beneath the former northeastern and central dispenser islands. Soil chemical analytical results are summarized in Table 1.

6383.01-1

Hand-augered Soil Samples

Based on analytical results from the initial soil samples CT-1 through CT-5, GR hand augered 12 soil borings (CB-1 through CB-12) on February 21 and 22, 1997, in the vicinity of the former eastern and former central dispenser islands. Boring logs are attached. These borings were advanced at the request of Ms. Jennifer Eberle of the Alameda County Department of Environmental Health (ACDEH) to delineate hydrocarbon-impacted soil in the vicinity of these islands. These soil samples were submitted to Sequoia Analytical (ELAP #1210) and were analyzed for TPHg, TPHd, and BTEX. Soil sample locations are shown on Figure 2.

Soil samples were collected between 4 feet below ground surface (bgs) and 10 feet bgs. ¹⁸ Sixteen of the 24 soil samples collected did not contain TPHg or TPHd concentrations. Twelve of the 24 soil samples did not contain benzene concentrations.

Two soil samples collected from boring C-1 in the vicinity of the former northeastern dispenser island contained detectable concentrations of TPHg (890 and 48 ppm) and TPHd (37 and 3.2 ppm). Benzene concentrations ranged between 0.098 to 3.0 ppm from borings CB-1 and CB-12.

Soil samples from borings CB-2 and CB-7 through CB-9, collected in the vicinity of the former southeastern dispenser island, did not contain TPHg or TPHd concentrations with the exception of one sample. The soil sample from CB-2 at 6 feet bgs contained 1.0 ppm of TPHd. Benzene concentrations were detected in two soil samples collected from borings CB-2 and CB-7 at 0.011 and 0.049 ppm, respectively.

Seven of the eight soil samples from borings CB-3 through CB-6, located near the former central dispenser island, contained low to non-detectable concentrations of TPHg and TPHd (3.5 to < 1.0 ppm). The soil sample from boring CB-6 at 10 feet bgs contained 200 ppm of TPHg and 640 ppm of TPHd. Benzene concentrations were detected in six of the eight samples from these borings at concentrations ranging from 0.0074 to 0.96 ppm. Soil chemical analytical results are summarized in Table 2.

Stockpile Soil

Approximately 40 cubic yards of soil and trench backfill were generated from dispenser upgrade activities. One composite soil sample (CS1-A&B) was collected and submitted to Sequoia Analytical for analyses of TPHg, TPHd, BTEX, and total lead.

Composite soil sample CS1-A&B contained detectable concentrations of TPHg (40 ppm), TPHd (550 ppm), and benzene (0.013 ppm). Lead was detected at 190 ppm. For disposal purposes Chemical Waste Management requested the stockpile sample be analyzed for soluble lead and TCLP. Soluble lead was detected at 8.9 ppm and TCLP concentrations were 0.47 ppm. Stockpile soil chemical analytical results are summarized in Table 3. On March 12, 1997, 36 cubic yards were transported for disposal by AllWaste Transportation and Remediation, Inc. to Chemical Waste Management, Inc. in Kettleman City, California. Copies of the manifests are attached.

Discussion

Hydrocarbon impact beneath the central dispenser island was delineated vertically by boring CB-3, and laterally to the northwest (boring CB-4), to the north (boring CB-5), and to the east (boring CB-7). Hydrocarbon impact was not delineated to the southwest, where concentrations appeared to increase with depth.

Impacted soil beneath the eastern dispenser islands was delineated vertically beneath the southern island (boring CB-2), but was not delineated beneath the northern island (boring CB-1). Hydrocarbon impact was delineated laterally in all directions by borings CB-7 through CB-12.

If you have any questions, please call us in our Sacramento office at (916) 631-1300.

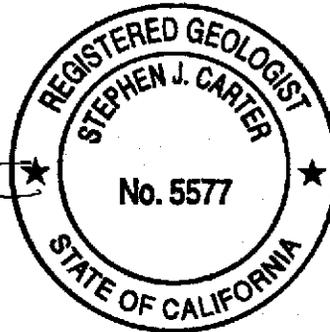
Sincerely,
GeoStrategies



Todd A. Del Frate
Staff Geologist



Stephen J. Carter
Senior Geologist
R.G. 5577

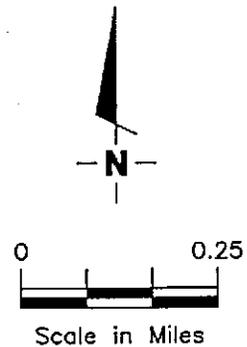


Attachments:

- Figure 1: Vicinity Map
- Figure 2: Soil Sample Location Map
- Table 1: Soil Chemical Analytical Data
- Table 2: Soil Boring Chemical Analytical Data
- Attachment A: Field Methods and Procedures
- Attachment B: Boring Logs
- Attachment C: Laboratory Analytical Documents and Chain of Custody
- Attachment D: Waste Disposal Manifests



Source: Street Atlas USA, Delorme (1995).



Gettler - Ryan Inc.

6747 Sierra Ct., Suite J (510) 551-7555
Dublin, CA 94568

VICINITY MAP
Chevron Service Station No. 9-4800
1700 Castro Street
Oakland, California

FIGURE

1

JOB NUMBER
6383

REVIEWED BY

DATE
2/97

REVISED DATE

TABLE 1. SOIL CHEMICAL ANALYTICAL DATA
Chevron Service Station #9-4800
1700 Castro Street
Oakland, California

Sample Number	Sample Date	Sample Depth (feet bgs)	TPHg (ppm)	TPHd (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Xylenes (ppm)
CT-1	2/18/97	4	180	30 ³	2.6	9.0	3.2	18
CT-2	2/18/97	4	6.7	1.9 ³	0.27	0.50	0.18	1.1
CT-3	2/18/97	4	550	220 ⁴	15	32	17	81
CT-4	2/18/97	4	<1.0 ¹	<1.0	0.016	0.0055	0.019	0.010
CT-5	2/18/97	4	5.9 ²	19 ³	<0.025	<0.025	<0.025	0.036

Explanation

TPHg = Total Petroleum Hydrocarbons as gasoline
 TPHd = Total Petroleum Hydrocarbons as diesel
 BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes
 feet bgs = feet below ground surface
 ppm = parts per million

Analytical Methods

TPHg/BTEX = EPA Methods 5030/8015 Mod./8020
 TPHd = EPA Methods 3550/8015 Mod.

Analytical Laboratory

Sequoia Analytical (ELAP #1271)

- ¹ Results shown as <X reported by laboratory as ND (not detected) above the stated reporting limit.
² Chromatogram pattern indicates gasoline and unidentified hydrocarbons > C8.
³ Chromatogram pattern indicates diesel and unidentified hydrocarbons < C15.
⁴ Chromatogram pattern indicates diesel and unidentified hydrocarbons < C15 > C20.

TABLE 2. SOIL BORING CHEMICAL ANALYTICAL DATA
Chevron Service Station #9-4800
1700 Castro Street
Oakland, California

Sample Number	Sample Date	Sample Depth (feet bgs)	TPHg (ppm)	TPHd (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Xylenes (ppm)
Soil Boring CB-1								
CB-1-6	2/22/97	6	890	37 ²	3.0	25	13	92
CB-1-10	2/22/97	10	48	3.2 ³	1.3	3.1	0.68	4.3
Soil Boring CB-2								
CB-2-6	2/22/97	6	<1.0 ¹	1.0 ³	<0.0050	<0.0050	<0.0050	<0.0050
CB-2-10	2/22/97	10	<1.0	<1.0	0.011	<0.0050	0.012	0.034
Soil Boring CB-3								
CB-3-6	2/22/97	6	1.1	<1.0	0.0074	0.015	0.012	0.085
CB-3-10	2/22/97	10	<1.0	<1.0	0.019	0.045	0.0071	0.039
Soil Boring CB-4								
CB-4-4	2/21/97	4	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
CB-4-10	2/21/97	10	<1.0	<1.0	0.018	<0.0050	<0.0050	<0.0050
Soil Boring CB-5								
CB-5-4	2/22/97	4	1.9	3.5 ³	0.018	<0.0050	0.012	0.039
CB-5-10	2/22/97	10	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
Soil Boring CB-6								
CB-6-5	2/21/97	5	2.6	3.0 ³	0.12	0.022	0.054	0.19
CB-6-10	2/21/97	10	200	640 ³	0.96	1.9	1.5	9.1
Soil Boring CB-7								
CB-7-4	2/21/97	4	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
CB-7-10	2/21/97	10	<1.0	<1.0	0.049	<0.0050	<0.0050	0.015
Soil Boring CB-8								
CB-8-4	2/21/97	4	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
CB-8-10	2/21/97	10	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
Soil Boring CB-9								
CB-9-4	2/21/97	4	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
CB-9-10	2/22/97	10	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
Soil Boring CB-10								
CB-10-4	2/22/97	4	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
CB-10-10	2/22/97	10	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050

For Explanation see Page 2.

TABLE 2. SOIL BORING CHEMICAL ANALYTICAL DATA
Chevron Service Station #9-4800
1700 Castro Street
Oakland, California

Sample Number	Sample Date	Sample Depth (feet bgs)	TPHg (ppm)	TPHd (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Xylenes (ppm)
Soil Boring CB-11								
CB-11-4	2/21/97	4	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
CB-11-10	2/22/97	10	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
Soil Boring CB-12								
CB-12-4	2/21/97	4	<1.0	<1.0	0.098	<0.0050	<0.0050	<0.0050
CB-12-10	2/22/97	10	<1.0	<1.0	0.18	0.0065	<0.0050	0.017

Explanation

TPHg = Total Petroleum Hydrocarbons as gasoline
 TPHd = Total Petroleum Hydrocarbons as diesel
 BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes
 feet bgs = feet below ground surface
 ppm = parts per million

Analytical Methods

TPHg/BTEX = EPA Methods 5030/8015 Mod./8020
 TPHd = EPA Methods 3550/8015 Mod.

Analytical Laboratory

Sequoia Analytical (ELAP #1210)

¹ Results shown as <X reported by laboratory as ND (not detected) above the stated reporting limit.

² Chromatogram pattern indicates weathered diesel C9-C24 + C9-C13.

³ Chromatogram pattern indicates unidentified hydrocarbons C9-C24.

~ 40yd³ Stockpile
(disposed)

TABLE 3. STOCKPILE SOIL CHEMICAL ANALYTICAL DATA

Chevron Service Station #9-4800

1700 Castro Street

Oakland, California

Sample Number	Sample Date	TPHg (ppm)	TPHd (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Xylenes (ppm)	Total Lead (ppm)	Lead (STLC) (ppm)	Lead (TCLP) (ppm)
CS1 A-D	2/18/97	40 ¹	550 ²	0.013	0.0072	0.0080	0.73	190	8.9	0.47

Explanation

¹ Chromatogram pattern indicated gasoline and unidentified hydrocarbons > C8.

² Chromatogram pattern indicated diesel

Analytical Laboratory

Sequoia Analytical (ELAP #1271)

Analytical Methods

TPHg/BTEX = EPA Methods 5030/8015 Mod./8020

TPHd = 3550/8015 Mod.

Lead = EPA Method 6010

Lead (STLC) = EPA Method 200.7

Lead (TCLP) = EPA Method 200.7

ATTACHMENT A

GETTLER-RYAN INC.

FIELD METHODS AND PROCEDURES

Site Safety Plan

Field work performed by Gettler-Ryan Inc. (G-R) is conducted in accordance with G-R's Health and Safety Plan and the Site Safety Plan. G-R personnel and subcontractors who perform work at the site are briefed on the contents of these plans prior to initiating site work. The G-R geologist or engineer at the site when the work is performed acts as the Site Safety Officer. G-R utilizes a photoionization detector (PID) to monitor ambient conditions as part of the Health and Safety Plan.

Collection of Soil Samples

Soil samples are collected from the wall or base of the excavation with a hand-driven sampling device fitted with a 2-inch-diameter, clean brass tube or stainless steel liner. After removal from the sampling device, soil samples are covered on both ends with teflon sheeting, capped, labeled, and placed in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory.

Field Screening of Soil Samples

A PID is used to perform head-space analysis in the field for the presence of organic vapors from the soil sample. This test procedure involves placing a small amount of the soil to be screened in a sealable plastic bag. The bag is warmed in the sun to allow organic compounds in the soil sample to volatilize. The PID probe is inserted through the wall of the bag and into the headspace inside, and the meter reading is recorded in the field notes. Head-space screening is performed and results recorded as reconnaissance data only. G-R does not consider field screening techniques to be verification of the presence or absence of hydrocarbons.

Storing and Sampling of Soil Stockpiles

Excavated material is stockpiled on and covered with plastic sheeting. Stockpile samples are collected and analyzed for disposal classification on the basis of one composite sample per 100 cubic yards of soil. Stockpile samples are composed of four discrete soil samples, each collected from an arbitrary location on the stockpile. The four discrete samples are

then composited in the laboratory prior to analysis.

Each discrete stockpile sample is collected by removing the upper 12 to 18 inches of soil, and then driving the stainless steel or brass sample tube into the stockpiled material with a mallet or drive sampler. The sample tubes are then covered on both ends with teflon sheeting, capped, labeled, and placed in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory. Stockpiled soils are covered with plastic sheeting after completion of sampling.

ATTACHMENT B

MAJOR DIVISIONS					TYPICAL NAMES
COARSE-GRAINED SOILS MORE THAN HALF IS COARSER THAN NO. 200 SIEVE	GRAVELS MORE THAN HALF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE SIZE	CLEAN GRAVELS WITH LITTLE OR NO FINES	GW		WELL GRADED GRAVELS WITH OR WITHOUT SAND, LITTLE OR NO FINES
			GP		POORLY GRADED GRAVELS WITH OR WITHOUT SAND, LITTLE OR NO FINES
		GRAVELS WITH OVER 15% FINES	GM		SILTY GRAVELS, SILTY GRAVELS WITH SAND
			GC		CLAYEY GRAVELS, CLAYEY GRAVELS WITH SAND
	SANDS MORE THAN HALF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE SIZE	CLEAN SANDS WITH LITTLE OR NO FINES	SW		WELL GRADED SANDS WITH OR WITHOUT GRAVEL, LITTLE OR NO FINES
			SP		POORLY GRADED SANDS WITH OR WITHOUT GRAVEL, LITTLE OR NO FINES
		SANDS WITH OVER 15% FINES	SM		SILTY SANDS WITH OR WITHOUT GRAVEL
			SC		CLAYEY SANDS WITH OR WITHOUT GRAVEL
FINE-GRAINED SOILS MORE THAN HALF IS FINER THAN NO. 200 SIEVE	SILTS AND CLAYS LIQUID LIMIT 50% OR LESS		ML		INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTS WITH SANDS AND GRAVELS
			CL		INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, CLAYS WITH SANDS AND GRAVELS, LEAN CLAYS
			OL		ORGANIC SILTS OR CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50%		MH		INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS, FINE SANDY OR SILTY SOILS, ELASTIC SILTS
			CH		INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
			OH		ORGANIC SILTS OR CLAYS OF MEDIUM TO HIGH PLASTICITY
HIGHLY ORGANIC SOILS			PT		PEAT AND OTHER HIGHLY ORGANIC SOILS

- LL - Liquid Limit (%)
- PI - Plastic Index (%)
- PID - Volatile Vapors in ppm
- MA - Particle Size Analysis
- 2.5 YR 6/2 - Soil Color according to Munsell Soil Color Charts (1975 Edition)
- 5 GY 5/2 - GSA Rock Color Chart

- No Soil Sample Recovered
- "Undisturbed" Sample
- Bulk or Classification Sample
- First Encountered Ground Water Level
- Piezometric Ground Water Level
- Penetration - Sample drive hammer weight - 140 pounds falling 30 inches. Blows required to drive sampler 1 foot are indicated on the logs

Unified Soil Classification - ASTM D 2488-85
and Key to Test Data

Gettler-Ryan Inc.

Log of Boring CB-1

PROJECT: *Chevron Service Station No. 9-4800*

LOCATION: *1700 Castro Street, Oakland, CA*

GSI PROJECT NO.: *6383.01*

CASING ELEVATION:

DATE STARTED: *2/22/97*

WL (ft. bgs): DATE: TIME:

DATE FINISHED: *2/22/97*

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: *4" hand-auger*

TOTAL DEPTH: *10 Feet*

DRILLING COMPANY:

GEOLOGIST: *Clyde Galantine*

DEPTH feet	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
							Excavation.	
5			CB-1-8			SM	SILTY SAND (SM) - dark yellowish brown (10YR 4/4), moist, 70% fine to medium sand, 30% fines, subangular to rounded.	
10			CB-1-10				Bottom of boring = 10 feet.	
15								
20								
25								
30								
35								

Gettler-Ryan Inc.

Log of Boring CB-2

PROJECT: *Chevron Service Station No. 9-4800*

LOCATION: *1700 Castro Street, Oakland, CA*

GSI PROJECT NO.: *6383.01*

CASING ELEVATION:

DATE STARTED: *2/22/97*

WL (ft. bgs): DATE: TIME:

DATE FINISHED: *2/22/97*

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: *4" hand-auger*

TOTAL DEPTH: *10 Feet*

DRILLING COMPANY:

GEOLOGIST: *Clyde Galantine*

DEPTH feet	PTD (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
							Excavation.	
							Pea gravel.	
5			CT-2 (2/18/97)	█		SM	SILTY SAND (SM) - brown (10YR 4/3), moist, 85% fine to medium sand, 15% fines, subangular to rounded.	
			CB-2-6	█				
10			CB-2-10	█			Color change to dark yellowish brown (10YR 4/6), 80% fine to medium sand, 20% fines. Bottom of boring = 10 feet.	
15								
20								
25								
30								
35								

Gettler-Ryan Inc.

Log of Boring CB-3

PROJECT: <i>Chevron Service Station No. 9-4800</i>	LOCATION: <i>1700 Castro Street, Oakland, CA</i>
GSI PROJECT NO.: <i>6383.01</i>	CASING ELEVATION:
DATE STARTED: <i>2/22/97</i>	WL (ft. bgs): DATE: TIME:
DATE FINISHED: <i>2/22/97</i>	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: <i>4" hand-auger</i>	TOTAL DEPTH: <i>10.25 Feet</i>
DRILLING COMPANY:	GEOLOGIST: <i>Clyde Galantine</i>

DEPTH feet	PTD (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
							Excavation.	
							Backfill material and debris.	
5			CT-2 (2/18/97)	■		SM	SILTY SAND (SM) - dark yellowish brown (10YR 4/4), moist, 85% fine to medium sand, 15% fines, subangular to rounded.	
			CB-2-6	■				
10			CB-2-10	■			80% fine to medium sand, 20% fines, oxide staining.	
							Bottom of boring = 10.25 feet.	

Gettler-Ryan Inc.

Log of Boring CB-4

PROJECT: *Chevron Service Station No. 9-4800*

LOCATION: *1700 Castro Street, Oakland, CA*

GSI PROJECT NO.: *6383.01*

CASING ELEVATION:

DATE STARTED: *2/21/97*

WL (ft. bgs): DATE: TIME:

DATE FINISHED: *2/21/97*

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: *4" hand-auger*

TOTAL DEPTH: *10 Feet*

DRILLING COMPANY:

GEOLOGIST: *Clyde Galantine*

DEPTH feet	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
							Excavation.	
			CB-4-4			SM	Pea gravel. SILTY SAND (SM) - dark yellowish brown (10YR 4/4), moist, 80% fine to medium sand, 20% fines, subangular to rounded, oxide staining.	
5								
10			CB-4-10				Bottom of boring = 10 feet.	
15								
20								
25								
30								
35								

Gettler-Ryan Inc.

Log of Boring CB-5

PROJECT: *Chevron Service Station No. 9-4800*

LOCATION: *1700 Castro Street, Oakland, CA*

GSI PROJECT NO.: *6383.01*

CASING ELEVATION:

DATE STARTED: *2/22/97*

WL (ft. bgs): DATE: TIME:

DATE FINISHED: *2/22/97*

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: *4" hand-auger*

TOTAL DEPTH: *10 Feet*

DRILLING COMPANY:

GEOLOGIST: *Clyde Galantine*

DEPTH feet	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
							Excavation.	
							Backfill and debris.	
							Fill sand.	
			CB-5-4			SM	SILTY SAND (SM) - yellowish brown (10YR 5/6), moist, 85% fine to medium sand, 15% fines, subangular to rounded, oxide staining.	
5								
			CB-5-10				Color change to (10YR 5/4), 80% fine to medium sand, 20% fines.	
10							Bottom of boring = 10 feet.	
15								
20								
25								
30								
35								

Gettler-Ryan Inc.

Log of Boring CB-6

PROJECT: *Chevron Service Station No. 9-4800*

LOCATION: *1700 Castro Street, Oakland, CA*

GSI PROJECT NO.: *6383.01*

CASING ELEVATION:

DATE STARTED: *2/21/97*

WL (ft. bgs): DATE: TIME:

DATE FINISHED: *2/21/97*

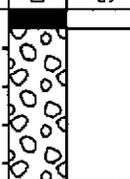
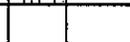
WL (ft. bgs): DATE: TIME:

DRILLING METHOD: *4" hand-auger*

TOTAL DEPTH: *10 Feet*

DRILLING COMPANY:

GEOLOGIST: *Clyde Galantine*

DEPTH feet	PTD (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
							Pavement. Backfill material - soil, brick, concrete, wood.	
5			CB-6-5			SM	SILTY SAND (SM) - dark gray (10YR 4/1), moist, dense, 80% fine to medium sand, 20% fines, subangular to rounded.	
10			CB-6-10				Color change to dark grayish brown (2.5Y 4/2), 60% fine to medium sand, 40% fines. Bottom of boring = 10 feet.	
15								
20								
25								
30								
35								

Gettler-Ryan Inc.

Log of Boring CB-7

PROJECT: <i>Chevron Service Station No. 9-4800</i>	LOCATION: <i>1700 Castro Street, Oakland, CA</i>
GSI PROJECT NO.: <i>6383.01</i>	CASING ELEVATION:
DATE STARTED: <i>2/21/97</i>	WL (ft. bgs): DATE: TIME:
DATE FINISHED: <i>2/21/97</i>	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: <i>4" hand-auger</i>	TOTAL DEPTH: <i>10 Feet</i>
DRILLING COMPANY:	GEOLOGIST: <i>Clyde Galantine</i>

DEPTH feet	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
							Pavement. Backfill material and debris.	
5			CB-7-4			SM	SILTY SAND (SM) - dark yellowish brown (10YR 4/4), moist, 60% fine to medium sand, 40% fines, subangular to rounded, oxide staining.	
10			CB-7-10				65% fine to medium sand, 35% fines. Bottom of boring = 10 feet.	
15								
20								
25								
30								
35								

Gettler-Ryan Inc.

Log of Boring CB-8

PROJECT: *Chevron Service Station No. 9-4800*

LOCATION: *1700 Castro Street, Oakland, CA*

GSI PROJECT NO.: *6383.01*

CASING ELEVATION:

DATE STARTED: *2/21/97*

WL (ft. bgs): DATE: TIME:

DATE FINISHED: *2/21/97*

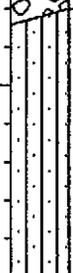
WL (ft. bgs): DATE: TIME:

DRILLING METHOD: *4" hand-auger*

TOTAL DEPTH: *10 Feet*

DRILLING COMPANY:

GEOLOGIST: *Clyde Galantine*

DEPTH feet	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
							Pavement. Fill material and debris.	
5			CB-8-4			SM	SILTY SAND (SM) - brown (10YR 5/3), moist, 65% fine to medium sand, 35% fines, subangular to rounded, oxide staining.	
10			CB-8-10				Color change to dark yellowish brown (10YR 3/4), 70% fine to medium sand, 30% fines. Bottom of boring = 10 feet.	
15								
20								
25								
30								
35								

Gettler-Ryan Inc.

Log of Boring CB-9

PROJECT: *Chevron Service Station No. 9-4800*

LOCATION: *1700 Castro Street, Oakland, CA*

GSI PROJECT NO.: *6383.01*

CASING ELEVATION:

DATE STARTED: *2/21/97*

WL (ft. bgs): DATE: TIME:

DATE FINISHED: *2/22/97*

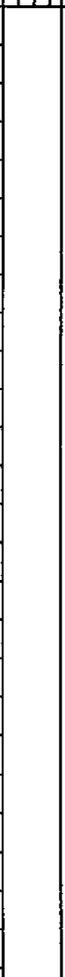
WL (ft. bgs): DATE: TIME:

DRILLING METHOD: *4" hand-auger*

TOTAL DEPTH: *10 Feet*

DRILLING COMPANY:

GEOLOGIST: *Clyde Galantine*

DEPTH feet	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
							Pavement. Fill material and debris.	
5			CB-9-4			SM	SILTY SAND (SM) - brown (10YR 4/3), moist, 75% fine to medium sand, 25% fines, subangular to rounded, oxide staining.	
10			CB-9-10				Color change to yellowish brown (10YR 5/4), 80% fine to medium sand, 20% fines. Bottom of boring = 10 feet.	
15								
20								
25								
30								
35								

Gettler-Ryan Inc.

Log of Boring CB-10

PROJECT: *Chevron Service Station No. 9-4800*

LOCATION: *1700 Castro Street, Oakland, CA*

GSI PROJECT NO.: *6383.01*

CASING ELEVATION:

DATE STARTED: *2/21/97*

WL (ft. bgs): DATE: TIME:

DATE FINISHED: *2/22/97*

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: *4" hand-auger*

TOTAL DEPTH: *10 Feet*

DRILLING COMPANY:

GEOLOGIST: *Clyde Galantine*

DEPTH feet	PTD (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT. GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
						Pavement. Fill material and debris.	
5			CB-10-4		SM	SILTY SAND (SM) - brown (10YR 5/3), moist, 70% fine to medium sand, 30% fines, subangular to rounded.	
10			CB-10-10			Color change to dark yellowish brown (10YR 5/4). Bottom of boring = 10 feet.	
15							
20							
25							
30							
35							

Gettler-Ryan Inc.

Log of Boring CB-11

PROJECT: *Chevron Service Station No. 9-4800*

LOCATION: *1700 Castro Street, Oakland, CA*

GSI PROJECT NO.: *6383.01*

CASING ELEVATION:

DATE STARTED: *2/21/97*

WL (ft. bgs): DATE: TIME:

DATE FINISHED: *2/22/97*

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: *4" hand-auger*

TOTAL DEPTH: *10 Feet*

DRILLING COMPANY:

GEOLOGIST: *Clyde Galantine*

DEPTH feet	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
							Pavement.	
							Backfill material and debris.	
5			CB-11-4			SM	SILTY SAND (SM) - brown (10YR 5/3), moist, 80% fine to medium sand, 20% fines, subangular to rounded.	
10			CB-11-10				Color change to yellowish brown (10YR 5/4).	
							Bottom of boring = 10 feet.	
15								
20								
25								
30								
35								

Gettler-Ryan Inc.

Log of Boring CB-12

PROJECT: *Chevron Service Station No. 9-4800*

LOCATION: *1700 Castro Street, Oakland, CA*

GSI PROJECT NO.: *6383.01*

CASING ELEVATION:

DATE STARTED: *2/21/97*

WL (ft. bgs): DATE: TIME:

DATE FINISHED: *2/22/97*

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: *4" hand-auger*

TOTAL DEPTH: *10 Feet*

DRILLING COMPANY:

GEOLOGIST: *Clyde Galantine*

DEPTH feet	PIID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
							Pavement. Backfill material and debris.	
5			CB-12-4			SM	SILTY SAND (SM) - yellowish brown (10YR 5/4), moist, 80% fine to medium sand, 20% fines, subangular to rounded.	
10			CB-12-10				70% fine to medium sand, 30% fines. Bottom of boring = 10 feet.	
15								
20								
25								
30								
35								

ATTACHMENT C



Sequoia Analytical

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Gettler-Ryan 6747 Sierra Ct., Suite J Dublin, CA 94568 Attention: Clyde Galantiine	Client Project ID: Chevron #9-4800 Sample Matrix: Soil Analysis Method: EPA 5030/8015 Mod./8020 First Sample #: 702-0867	Sampled: Feb 18, 1997 Received: Feb 18, 1997 Reported: Feb 19, 1997
---	---	---

QC Batch Number: SP021897 SP021897 SP021897 SP021897 SP021897

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D. 702-0867 CT - 1	Sample I.D. 702-0868 CT - 2	Sample I.D. 702-0869 CT - 3	Sample I.D. 702-0870 CT - 4	Sample I.D. 702-0871 CT - 5
Purgeable Hydrocarbons	1.0	180	6.7	550	N.D.	5.9
Benzene	0.0050	2.6	0.27	15	0.016	N.D.
Toluene	0.0050	9.0	0.50	32	0.0055	N.D.
Ethyl Benzene	0.0050	3.2	0.18	17	0.019	N.D.
Total Xylenes	0.0050	18	1.1	81	0.010	0.036
Chromatogram Pattern:		Gasoline	Gasoline	Gasoline	--	Gasoline & Unidentified Hydrocarbons > C8

Quality Control Data

Report Limit Multiplication Factor:	100	5.0	250	1.0	5.0
Date Analyzed:	2/18/97	2/18/97	2/18/97	2/18/97	2/18/97
Instrument Identification:	HP-5	HP-5	HP-5	HP-5	HP-5
Surrogate Recovery, %: (QC Limits = 70-130%)	98	99	96	102	101

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Jim Bava
Project Manager





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Gettler-Ryan 6747 Sierra Ct., Suite J Dublin, CA 94568 Attention: Clyde Galantiine	Client Project ID: Chevron #9-4800 Sample Matrix: Soil Analysis Method: EPA 3550/8015 Mod. First Sample #: 702-0867	Sampled: Received: Feb 18, 1997 Reported:
---	--	---

QC Batch Number:	SP021897	SP021897	SP021897	SP021897	SP021897
	8015EXA	8015EXA	8015EXA	8015EXA	8015EXA

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit mg/kg	Sample I.D. 702-0867 CT - 1	Sample I.D. 702-0868 CT - 2	Sample I.D. 702-0869 CT - 3	Sample I.D. 702-0870 CT - 4	Sample I.D. 702-0871 CT - 5
Extractable Hydrocarbons	1.0	30	1.9	220	N.D.	19
Chromatogram Pattern:		Diesel & Unidentified Hydrocarbons <C15	Diesel & Unidentified Hydrocarbons <C15	Diesel & Unidentified Hydrocarbons <C15 >C20	--	Diesel & Unidentified Hydrocarbons <C15

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	100	1.0	1.0
Date Extracted:	2/18/97	2/18/97	2/18/97	2/18/97	2/18/97
Date Analyzed:	2/18/97	2/18/97	2/18/97	2/18/97	2/18/97
Instrument Identification:	HP-3A	HP-3A	HP-3A	HP-3A	HP-3A

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271


Jim Gava
Project Manager

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Gettler-Ryan
6747 Sierra Ct., Suite J
Dublin, CA 94568
Attention: Clyde Galantiine

Client Project ID: **Chevron #9-4800**
Matrix: **Solid**

QC Sample Group: 7020867-871

Reported: Feb 24, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Diesel
QC Batch#:	SP021897	SP021897	SP021897	SP021897	SP021897
	8020EXA	8020EXA	8020EXA	8020EXA	8015EXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 3550
Analyst:	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb	D. Sharma
MS/MSD #:	7020529	7020529	7020529	7020529	7020870
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/18/97	2/18/97	2/18/97	2/18/97	2/18/97
Analyzed Date:	2/18/97	2/18/97	2/18/97	2/18/97	2/18/97
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5	HP-3B
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg	10 mg/kg
Result:	0.38	0.36	0.40	1.1	11
MS % Recovery:	95	90	100	92	110
Dup. Result:	0.38	0.36	0.39	1.1	7.9
MSD % Recov.:	95	90	98	92	79
RPD:	0.0	0.0	2.5	0.0	33
RPD Limit:	0-25	0-25	0-25	0-25	0-50

LCS #:	5LCS021897	5LCS021897	5LCS021897	5LCS021897	-
Prepared Date:	2/18/97	2/18/97	2/18/97	2/18/97	-
Analyzed Date:	2/18/97	2/18/97	2/18/97	2/18/97	-
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5	-
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	-
LCS Result:	19	17	19	53	-
LCS % Recov.:	95	85	95	88	-

MS/MSD LCS Control Limits	60-140	60-140	60-140	60-140	60-140
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SEQUOIA ANALYTICAL, #1271

Jim Bava
Jim Bava
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference



Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 9-4800, Oakland	Sampled: 02/22/97
6747 Sierra Court Suite G	Sample Descript: CB-1-6	Received: 02/24/97
Dublin, CA 94568	Matrix: SOLID	Extracted: 02/26/97
Attention: Deanna Harding	Analysis Method: 8015Mod/8020	Analyzed: 02/27/97
	Lab Number: 9702C38-01	Reported: 03/05/97

QC Batch Number: GC022697BTEXEXA
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	50	890
Benzene	0.25	3.0
Toluene	0.25	25
Ethyl Benzene	0.25	13
Xylenes (Total)	0.25	92
Chromatogram Pattern:		Gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	136 Q
4-Bromofluorobenzene	60	140	- Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-1-6 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9702C38-01	Sampled: 02/22/97 Received: 02/24/97 Extracted: 03/03/97 Analyzed: 03/04/97 Reported: 03/05/97
--	---	--

QC Batch Number: GC0303970HBPEXA
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0 C9-C24 +C	37 W-Diesel
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 91

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager



Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-1-10 Matrx: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9702C38-02	Sampled: 02/22/97 Received: 02/24/97 Extracted: 02/26/97 Analyzed: 02/28/97 Reported: 03/05/97
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QC Batch Number: GC022697BTEXEXA
Instrument ID: GCHP1

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	10	48
Benzene	0.050	1.3
Toluene	0.050	3.1
Ethyl Benzene	0.050	0.68
Xylenes (Total)	0.050	4.3
Chromatogram Pattern:		Gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	110
4-Bromofluorobenzene	60	140	9 Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager





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Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-1-10 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9702C38-02	Sampled: 02/22/97 Received: 02/24/97 Extracted: 03/03/97 Analyzed: 03/04/97 Reported: 03/05/97
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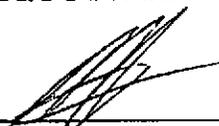
QC Batch Number: GC0303970HBPEXA
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0 C9-C24	3.2 Unid.-HC
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 58

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager



Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-2-6 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9702C38-03	Sampled: 02/22/97 Received: 02/24/97 Extracted: 02/26/97 Analyzed: 02/27/97 Reported: 03/05/97
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QC Batch Number: GC022697BTEXEXA

Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	104
4-Bromofluorobenzene	60 140	87

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager



Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-2-6 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9702C38-03	Sampled: 02/22/97 Received: 02/24/97 Extracted: 03/03/97 Analyzed: 03/04/97 Reported: 03/05/97
---	---	--

QC Batch Number: GC0303970HBPEXA
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0 C9-C24	1.0 Unid.-HC
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 115

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-2-10 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9702C38-04	Sampled: 02/22/97 Received: 02/24/97 Extracted: 02/26/97 Analyzed: 02/28/97 Reported: 03/05/97
--	--	--

QC Batch Number: GC022697BTEXEXA
Instrument ID: GCHP1

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	0.011
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	0.012
Xylenes (Total)	0.0050	0.034
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	104
4-Bromofluorobenzene	60 140	71

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager



Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-2-10 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9702C38-04	Sampled: 02/22/97 Received: 02/24/97 Extracted: 03/03/97 Analyzed: 03/04/97 Reported: 03/05/97
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QC Batch Number: GC0303970HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	85

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager



Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-3-6 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9702C38-05	Sampled: 02/22/97 Received: 02/24/97 Extracted: 02/26/97 Analyzed: 02/28/97 Reported: 03/05/97
--	---	--

QC Batch Number: GC022697BTEXEXA
Instrument ID: GCHP1

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	1.1
Benzene	0.0050	0.0074
Toluene	0.0050	0.015
Ethyl Benzene	0.0050	0.012
Xylenes (Total)	0.0050	0.085
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70	130
4-Bromofluorobenzene	60	140

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-3-6 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9702C38-05	Sampled: 02/22/97 Received: 02/24/97 Extracted: 02/27/97 Analyzed: 03/01/97 Reported: 03/05/97
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QC Batch Number: GC0227970HBPEXC
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0	N.D.
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 59

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-3-10 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9702C38-06	Sampled: 02/22/97 Received: 02/24/97 Extracted: 02/26/97 Analyzed: 02/27/97 Reported: 03/05/97
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QC Batch Number: GC022697BTEXEXA
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	0.019
Toluene	0.0050	0.045
Ethyl Benzene	0.0050	0.0071
Xylenes (Total)	0.0050	0.039
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	99
4-Bromofluorobenzene	60 140	86

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager





Gettler Ryan/Geostrategies
6747 Sierra Court Suite G
Dublin, CA 94568

Client Proj. ID: Chevron 9-4800, Oakland
Sample Descript: CB-3-10
Matrix: SOLID
Analysis Method: EPA 8015 Mod
Lab Number: 9702C38-06

Sampled: 02/22/97
Received: 02/24/97
Extracted: 02/27/97
Analyzed: 03/01/97
Reported: 03/05/97

QC Batch Number: GC0227970HBPEXC
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	104

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-4-4 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9702C38-07	Sampled: 02/21/97 Received: 02/24/97 Extracted: 02/26/97 Analyzed: 02/26/97 Reported: 03/05/97
Attention: Deanna Harding		

QC Batch Number: GC022697BTEXEXA
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	97
4-Bromofluorobenzene	60 140	90

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager



Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-4-4 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9702C38-07	Sampled: 02/21/97 Received: 02/24/97 Extracted: 03/03/97 Analyzed: 03/04/97 Reported: 03/05/97
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QC Batch Number: GC0303970HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	68

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager





Gettler Ryan/Geostrategies
6747 Sierra Court Suite G
Dublin, CA 94568
Attention: Deanna Harding

Client Proj. ID: Chevron 9-4800, Oakland
Sample Descript: CB-4-10
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9702C38-08

Sampled: 02/21/97
Received: 02/24/97
Extracted: 02/26/97
Analyzed: 02/27/97
Reported: 03/05/97

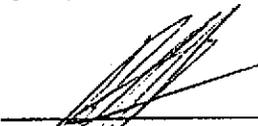
QC Batch Number: GC022697BTEXEXA
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	0.018
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70	130
4-Bromofluorobenzene	60	140

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager



Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-4-10 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9702C38-08	Sampled: 02/21/97 Received: 02/24/97 Extracted: 03/03/97 Analyzed: 03/04/97 Reported: 03/05/97
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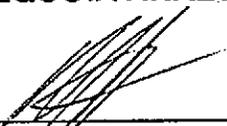
QC Batch Number: GC0303970HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	89

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager



Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-5-4 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9702C38-09	Sampled: 02/22/97 Received: 02/24/97 Extracted: 02/26/97 Analyzed: 02/27/97 Reported: 03/05/97
Attention: Deanna Harding		

QC Batch Number: GC022697BTEXEXA
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	1.9
Benzene	0.0050	0.018
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	0.012
Xylenes (Total)	0.0050	0.039
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70	130
4-Bromofluorobenzene	60	140

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager



Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-5-4 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9702C38-09	Sampled: 02/22/97 Received: 02/24/97 Extracted: 02/27/97 Analyzed: 03/01/97 Reported: 03/05/97
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QC Batch Number: GC0227970HBPEXC
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0 C9-C24	3.5 Unid.-HC
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 65

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager



Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-5-10 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9702C38-10	Sampled: 02/22/97 Received: 02/24/97 Extracted: 02/26/97 Analyzed: 02/26/97 Reported: 03/05/97
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QC Batch Number: GC022697BTEXEXA
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	100
4-Bromofluorobenzene	60 140	88

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager



Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-5-10 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9702C38-10	Sampled: 02/22/97 Received: 02/24/97 Extracted: 02/27/97 Analyzed: 03/01/97 Reported: 03/05/97
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QC Batch Number: GC0227970HBPEXC
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0	N.D.
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 63

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager



Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-6-5 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9702C38-11	Sampled: 02/21/97 Received: 02/24/97 Extracted: 02/26/97 Analyzed: 02/27/97 Reported: 03/05/97
Attention: Deanna Harding		

QC Batch Number: GC022697BTEXEXA
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	2.6
Benzene	0.0050	0.12
Toluene	0.0050	0.022
Ethyl Benzene	0.0050	0.054
Xylenes (Total)	0.0050	0.19
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70	130
4-Bromofluorobenzene	60	140

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager





Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 9-4800, Oakland	Sampled: 02/21/97
6747 Sierra Court Suite G	Sample Descript: CB-6-5	Received: 02/24/97
Dublin, CA 94568	Matrix: SOLID	Extracted: 03/03/97
Attention: Deanna Harding	Analysis Method: EPA 8015 Mod	Analyzed: 03/04/97
	Lab Number: 9702C38-11	Reported: 03/05/97

QC Batch Number: GC0303970HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0 C9-C24	3.0 Unid.-HC
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 64

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



 Mike Gregory
 Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-6-10 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9702C38-12	Sampled: 02/21/97 Received: 02/24/97 Extracted: 02/26/97 Analyzed: 02/26/97 Reported: 03/05/97
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QC Batch Number: GC022697BTEXEXA
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	50	200
Benzene	0.25	0.96
Toluene	0.25	1.9
Ethyl Benzene	0.25	1.5
Xylenes (Total)	0.25	9.1
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	108
4-Bromofluorobenzene	60 140	- Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-6-10 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9702C38-12	Sampled: 02/21/97 Received: 02/24/97 Extracted: 03/03/97 Analyzed: 03/04/97 Reported: 03/05/97
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QC Batch Number: GC0303970HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	50 C9-C24	640 W-Diesel
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 81

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager



Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 9-4800, Oakland	Sampled: 02/21/97
6747 Sierra Court Suite G	Sample Descript: CB-7-4	Received: 02/24/97
Dublin, CA 94568	Matrix: SOLID	Extracted: 02/26/97
Attention: Deanna Harding	Analysis Method: 8015Mod/8020	Analyzed: 02/26/97
	Lab Number: 9702C38-13	Reported: 03/05/97

QC Batch Number: GC022697BTEXEXA
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70	96
4-Bromofluorobenzene	60	89

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager



Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-7-4 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9702C38-13	Sampled: 02/21/97 Received: 02/24/97 Extracted: 03/03/97 Analyzed: 03/04/97 Reported: 03/05/97
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QC Batch Number: GC0303970HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	89

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-7-10 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9702C38-14	Sampled: 02/21/97 Received: 02/24/97 Extracted: 02/26/97 Analyzed: 02/26/97 Reported: 03/05/97
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QC Batch Number: GC022697BTEXEXA
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	0.049
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	0.015
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	98
4-Bromofluorobenzene	60 140	85

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-7-10 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9702C38-14	Sampled: 02/21/97 Received: 02/24/97 Extracted: 03/03/97 Analyzed: 03/04/97 Reported: 03/05/97
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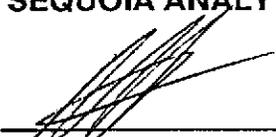
QC Batch Number: GC0303970HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	92

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-8-4 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9702C38-15	Sampled: 02/21/97 Received: 02/24/97 Extracted: 02/26/97 Analyzed: 02/26/97 Reported: 03/05/97
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QC Batch Number: GC022697BTEXEXA
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	94
4-Bromofluorobenzene	60 140	83

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager



Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-8-4 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9702C38-15	Sampled: 02/21/97 Received: 02/24/97 Extracted: 03/03/97 Analyzed: 03/04/97 Reported: 03/05/97
Attention: Deanna Harding		

QC Batch Number: GC0303970HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	53

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager





Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 9-4800, Oakland	Sampled: 02/21/97
6747 Sierra Court Suite G	Sample Descript: CB-8-10	Received: 02/24/97
Dublin, CA 94568	Matrix: SOLID	Extracted: 02/26/97
Attention: Deanna Harding	Analysis Method: 8015Mod/8020	Analyzed: 02/26/97
	Lab Number: 9702C38-16	Reported: 03/05/97

QC Batch Number: GC022697BTEXEXA
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	94
4-Bromofluorobenzene	60 140	84

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager





Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 9-4800, Oakland	Sampled: 02/21/97
6747 Sierra Court Suite G	Sample Descript: CB-8-10	Received: 02/24/97
Dublin, CA 94568	Matrix: SOLID	Extracted: 03/03/97
Attention: Deanna Harding	Analysis Method: EPA 8015 Mod	Analyzed: 03/04/97
	Lab Number: 9702C38-16	Reported: 03/05/97

QC Batch Number: GC0303970HBPEXA
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	57

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-9-4 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9702C38-17	Sampled: 02/21/97 Received: 02/24/97 Extracted: 02/26/97 Analyzed: 02/26/97 Reported: 03/05/97
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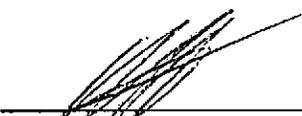
QC Batch Number: GC022697BTEXEXA
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	98
4-Bromofluorobenzene	60 140	84

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager



Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-9-4 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9702C38-17	Sampled: 02/21/97 Received: 02/24/97 Extracted: 03/03/97 Analyzed: 03/04/97 Reported: 03/05/97
--	---	--

QC Batch Number: GC0303970HBPEXA
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	73

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager



Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-9-10 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9702C38-18	Sampled: 02/22/97 Received: 02/24/97 Extracted: 02/26/97 Analyzed: 02/26/97 Reported: 03/05/97
--	--	--

QC Batch Number: GC022697BTEXEXA
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70	94
4-Bromofluorobenzene	60	89

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager





Gettler Ryan/Geostrategies
6747 Sierra Court Suite G
Dublin, CA 94568

Client Proj. ID: Chevron 9-4800, Oakland
Sample Descript: CB-9-10
Matrix: SOLID
Analysis Method: EPA 8015 Mod
Lab Number: 9702C38-18

Sampled: 02/22/97
Received: 02/24/97
Extracted: 02/27/97
Analyzed: 03/01/97
Reported: 03/05/97

Attention: Deanna Harding

QC Batch Number: GC0227970HBPEXC
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	79

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-10-4 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9702C38-19	Sampled: 02/22/97 Received: 02/24/97 Extracted: 02/26/97 Analyzed: 02/27/97 Reported: 03/05/97
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QC Batch Number: GC022697BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70	130
4-Bromofluorobenzene	60	140

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager



Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-10-4 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9702C38-19	Sampled: 02/22/97 Received: 02/24/97 Extracted: 02/27/97 Analyzed: 03/01/97 Reported: 03/05/97
Attention: Deanna Harding		

QC Batch Number: GC0227970HBPEXC
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	77

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager



Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-10-10 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9702C38-20	Sampled: 02/22/97 Received: 02/24/97 Extracted: 02/26/97 Analyzed: 02/27/97 Reported: 03/05/97
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QC Batch Number: GC022697BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	87
4-Bromofluorobenzene	60 140	88

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-10-10 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9702C38-20	Sampled: 02/22/97 Received: 02/24/97 Extracted: 02/27/97 Analyzed: 03/03/97 Reported: 03/05/97
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QC Batch Number: GC0227970HBPEXC
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	73

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager



Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-11-4 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9702C38-21	Sampled: 02/21/97 Received: 02/24/97 Extracted: 02/26/97 Analyzed: 02/27/97 Reported: 03/05/97
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QC Batch Number: GC022697BTEXEXB
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	90
4-Bromofluorobenzene	60 140	92

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager



Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-11-4 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9702C38-21	Sampled: 02/21/97 Received: 02/24/97 Extracted: 03/03/97 Analyzed: 03/04/97 Reported: 03/05/97
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QC Batch Number: GC0303970HBPEXA
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0	N.D.
Surrogates n-Pentacosane (C25)	Control Limits % 50 150	% Recovery 52

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager



Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-11-10 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9702C38-22	Sampled: 02/22/97 Received: 02/24/97 Extracted: 02/26/97 Analyzed: 02/27/97 Reported: 03/05/97
Attention: Deanna Harding		

QC Batch Number: GC022697BTEXEXB
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	87
4-Bromofluorobenzene	60 140	96

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager





Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-11-10 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9702C38-22	Sampled: 02/22/97 Received: 02/24/97 Extracted: 02/27/97 Analyzed: 03/01/97 Reported: 03/05/97
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QC Batch Number: GC0227970HBPEXC
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	62

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager



Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 9-4800, Oakland	Sampled: 02/21/97
6747 Sierra Court Suite G	Sample Descript: CB-12-4	Received: 02/24/97
Dublin, CA 94568	Matrix: SOLID	Extracted: 02/26/97
Attention: Deanna Harding	Analysis Method: 8015Mod/8020	Analyzed: 02/27/97
	Lab Number: 9702C38-23	Reported: 03/05/97

QC Batch Number: GC022697BTEXEXB
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	0.098
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70	79
4-Bromofluorobenzene	60	140

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager





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Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-12-4 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9702C38-23	Sampled: 02/21/97 Received: 02/24/97 Extracted: 03/03/97 Analyzed: 03/04/97 Reported: 03/05/97
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QC Batch Number: GC0303970HBPEXA
Instrument ID: GCHP5B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	92

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager



Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-12-10 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9702C38-24	Sampled: 02/22/97 Received: 02/24/97 Extracted: 02/26/97 Analyzed: 02/28/97 Reported: 03/05/97
Attention: Deanna Harding		

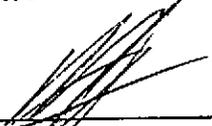
QC Batch Number: GC022697BTEXEXB
Instrument ID: GCHP1

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	0.18
Toluene	0.0050	0.0065
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	0.017
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70	88
4-Bromofluorobenzene	60	140

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager



Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568	Client Proj. ID: Chevron 9-4800, Oakland Sample Descript: CB-12-10 Matrix: SOLID Analysis Method: EPA 8015 Mod Lab Number: 9702C38-24	Sampled: 02/22/97 Received: 02/24/97 Extracted: 02/27/97 Analyzed: 03/01/97 Reported: 03/05/97
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QC Batch Number: GC0227970HBPEXC
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel Chromatogram Pattern:	1.0	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	57

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



 Mike Gregory
 Project Manager





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Gettler Ryan/Geostrategies 6747 Sierra Court Suite G Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-4800, Oakland Lab Proj. ID: 9702C38	Received: 02/24/97 Reported: 03/05/97
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LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 79 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

Q - Surrogate diluted out.

TPHGBS: Sample 9702C38-01 was diluted 50-fold.
Sample 9702C38-02 was diluted 10-fold.
Sample 9702C38-12 was diluted 50-fold.

TPHD: Sample 9702C38-12 was diluted 50-fold.

SEQUOIA ANALYTICAL



Mike Gregory
Project Manager

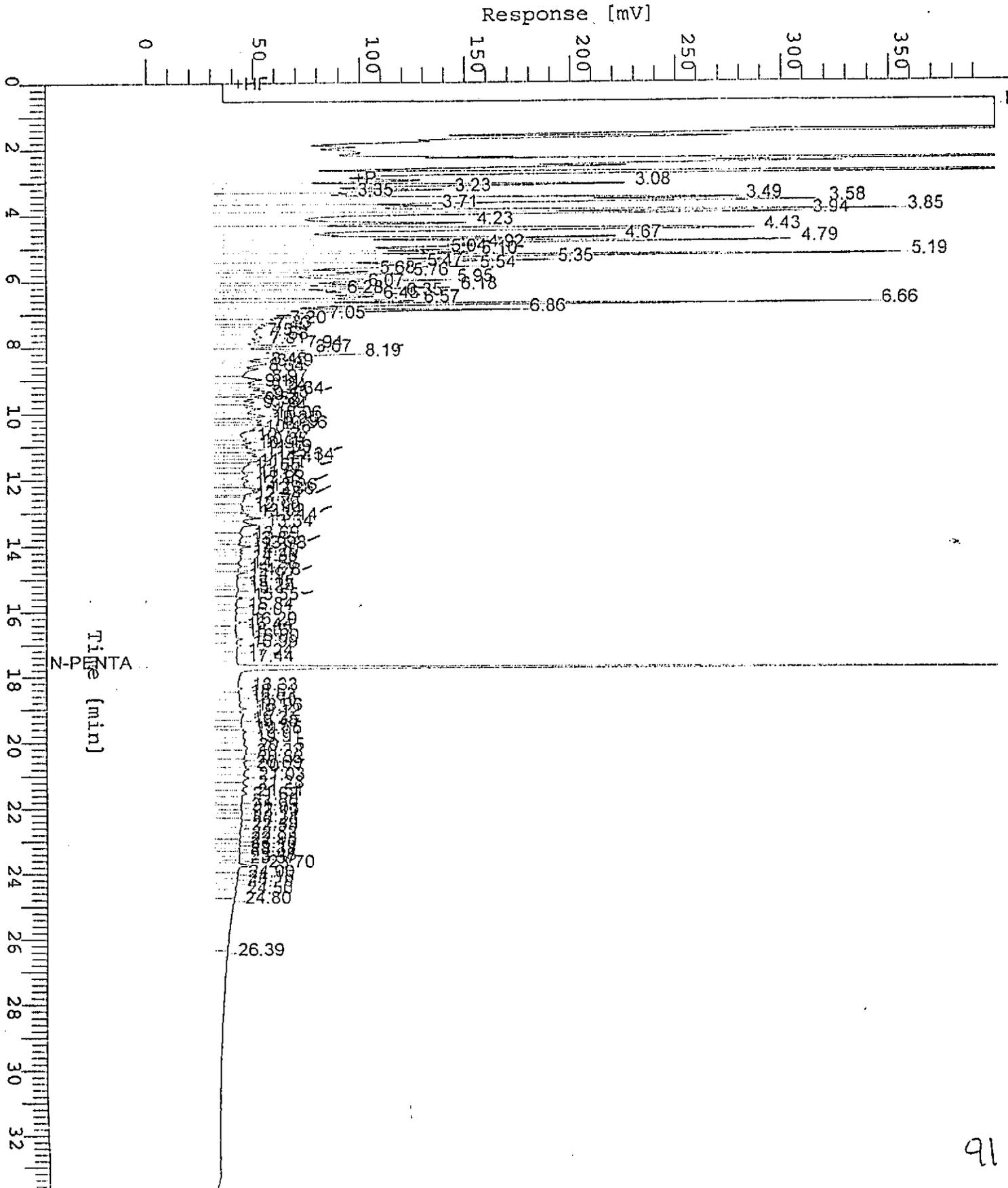


Chromatogram

Sample Name : DS9702C38-1 (20:1) RS1
FileName : S:\GHP_05\0309\303B020.raw
Method : TPH05A
Start Time : 0.00 min
Scale Factor: 0.0

End Time : 33.65 min
Plot Offset: 0 mV

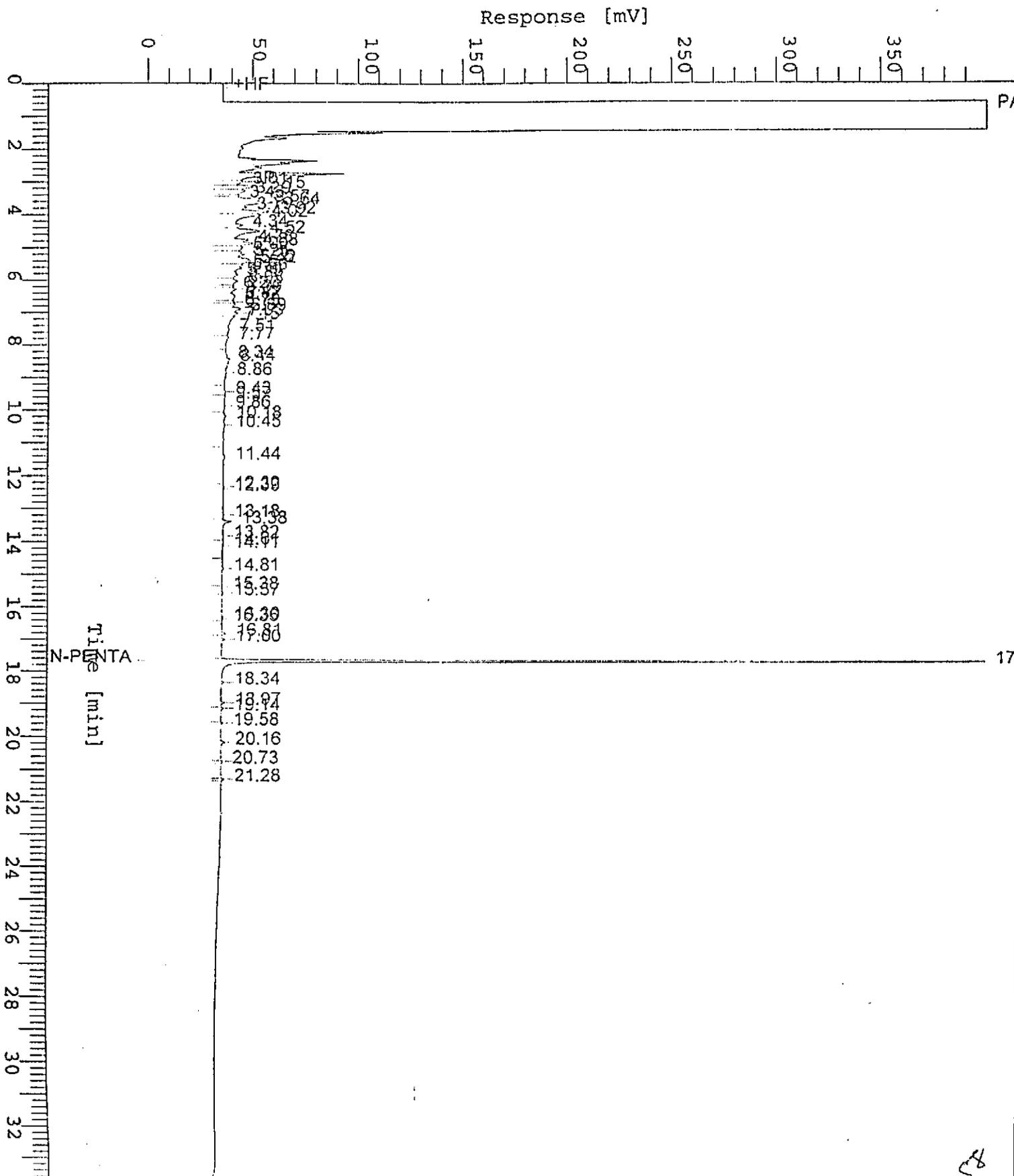
Sample #: CB-1-6
Date : 3/4/97 14:04
Time of Injection: 3/4/97 13:30
Low Point : 0.00 mV
High Point : 400.00 mV
Plot Scale: 400.0 mV



Chromatogram

Sample Name : DS9702C38-2 (20:1) RS1 CONF 47% C25
FileName : S:\GHP_05\0309\303B021.raw
Method : TPH05A
Start Time : 0.00 min
Scale Factor: 0.0

Sample #: CB-8-10
Date : 3/4/97 14:45
Time of Injection: 3/4/97 14:11
Low Point : 0.00 mV
High Point : 400.00 mV
Plot Offset: 0 mV
Plot Scale: 400.0 mV

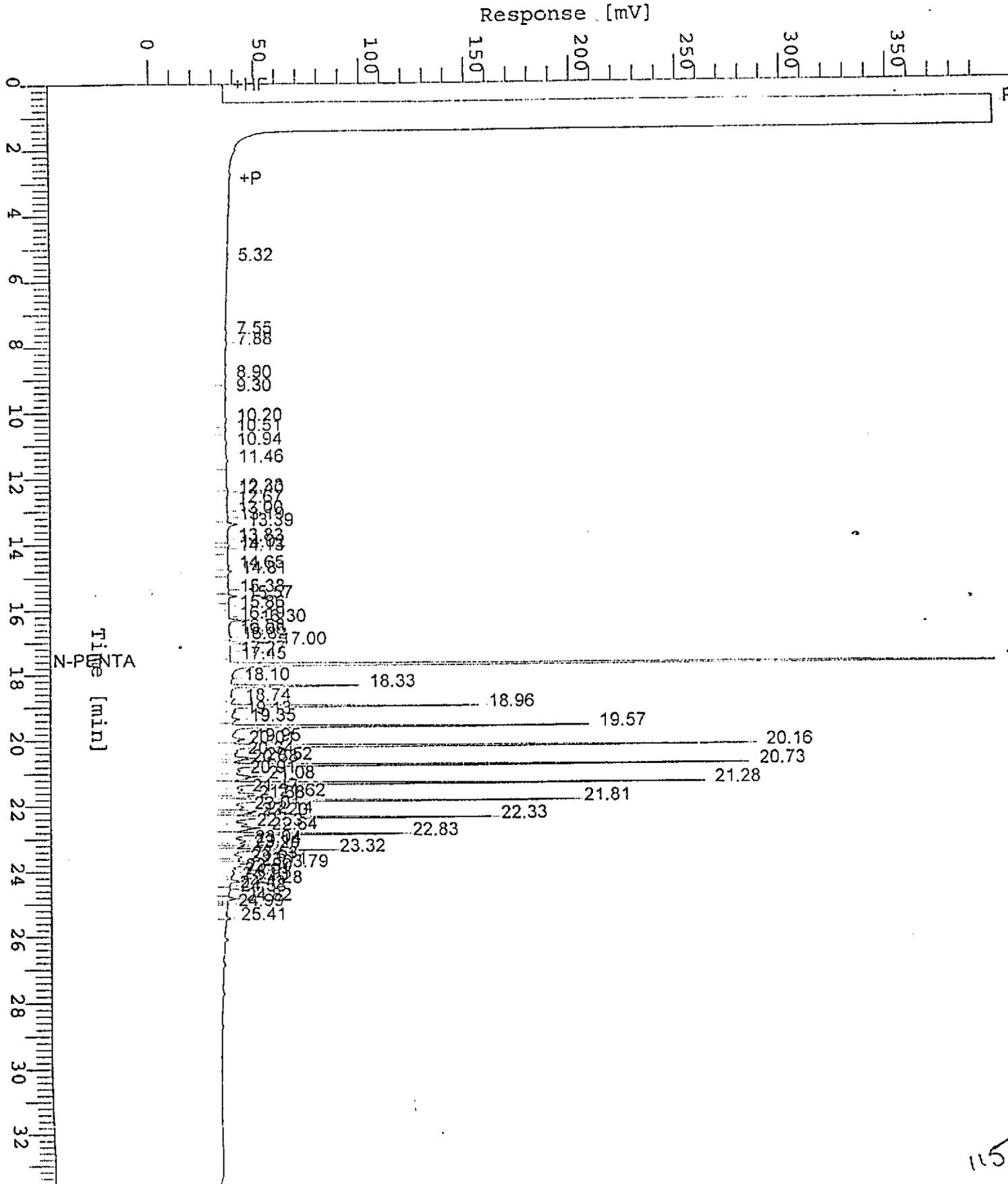


Chromatogram

Sample Name : DS9702C38-3 (20:1)
FileName : S:\GHP_05\0309\303B009.raw
Method : TPH05A
Start Time : 0.00 min
Scale Factor: 0.0

End Time : 33.65 min
Plot Offset: 0 mV

Sample #: CB-2-6
Date : 3/4/97 06:16
Time of Injection: 3/4/97 03:20
Low Point : 0.00 mV
Plot Scale: 400.0 mV
High Point : 400.00 mV

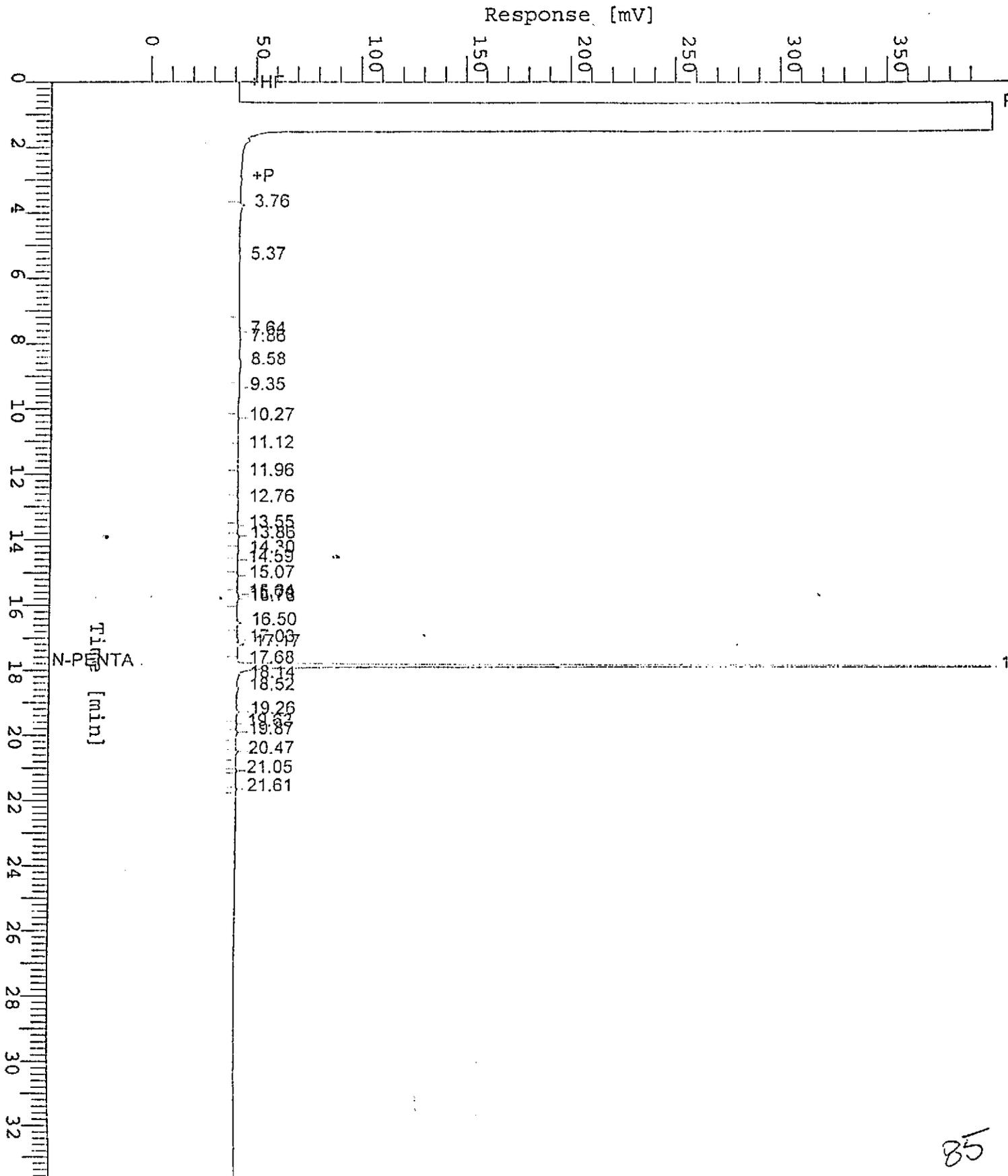


Chromatogram

Sample Name : DS9702C38-4 (20:1)
FileName : S:\GHP_05\0309\J03A020.raw
Method : TPH05A
Start Time : 0.00 min
Scale Factor: 0.0

End Time : 33.65 min
Plot Offset: 0 mV

Sample #: CB-2-10
Date : 3/4/97 14:04
Time of Injection: 3/4/97 13:30
Low Point : 0.00 mV
High Point : 400.00 mV
Plot Scale: 400.0 mV

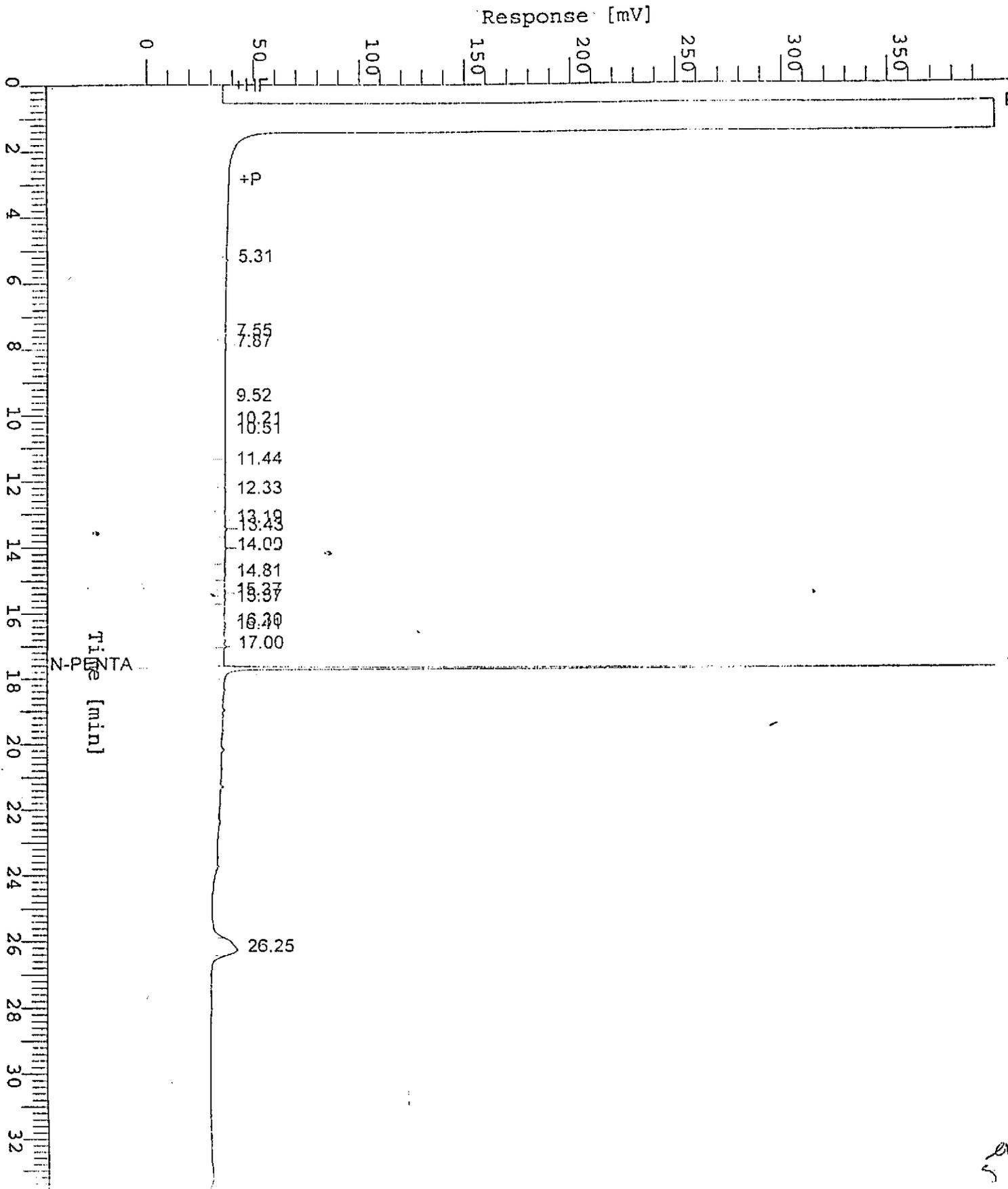


Chromatogram

Sample Name : DS9702C38-5 (20:1)
FileName : S:\GHP_05\0302\227B043.raw
Method : TPH05A
Start Time : 0.00 min
Scale Factor: 0.0

End Time : 33.65 min
Plot Offset: 0 mV

Sample #: CB-3-6
Date : 3/1/97 04:41
Time of Injection: 3/1/97 04:07
Low Point : 0.00 mV
Plot Scale: 400.0 mV
Page 1 of 1
High Point : 400.00 mV

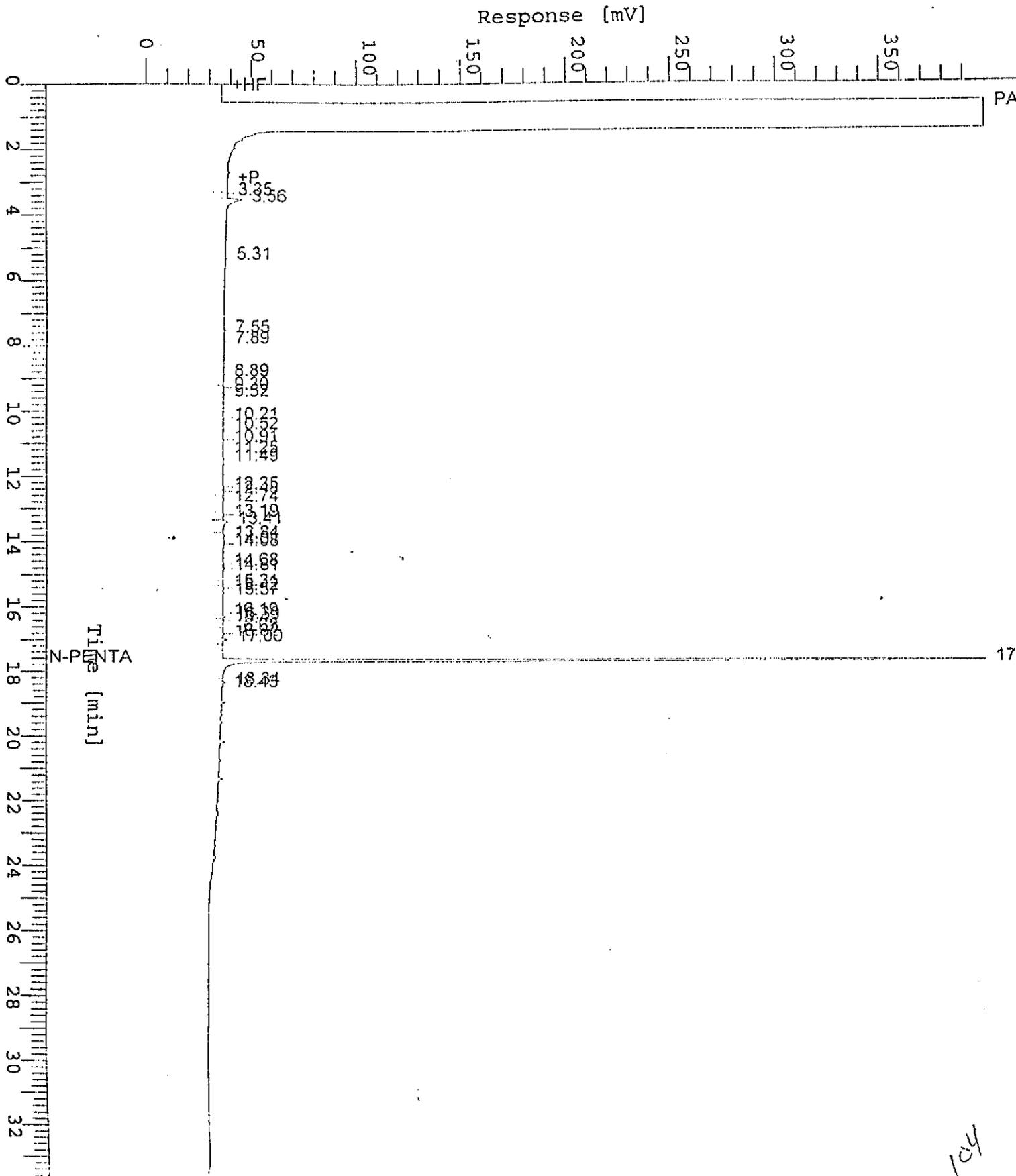


Chromatogram

Sample Name : DS9702C38-6 (20:1)
FileName : S:\GHP_05\0302\227B044.raw
Method : TPH05A
Start Time : 0.00 min
Scale Factor: 0.0

End Time : 33.65 min
Plot Offset: 0 mV

Sample #: CB-3-10
Date : 3/1/97 05:22
Time of Injection: 3/1/97 04:48
Low Point : 0.00 mV
High Point : 400.00 mV
Plot Scale: 400.0 mV

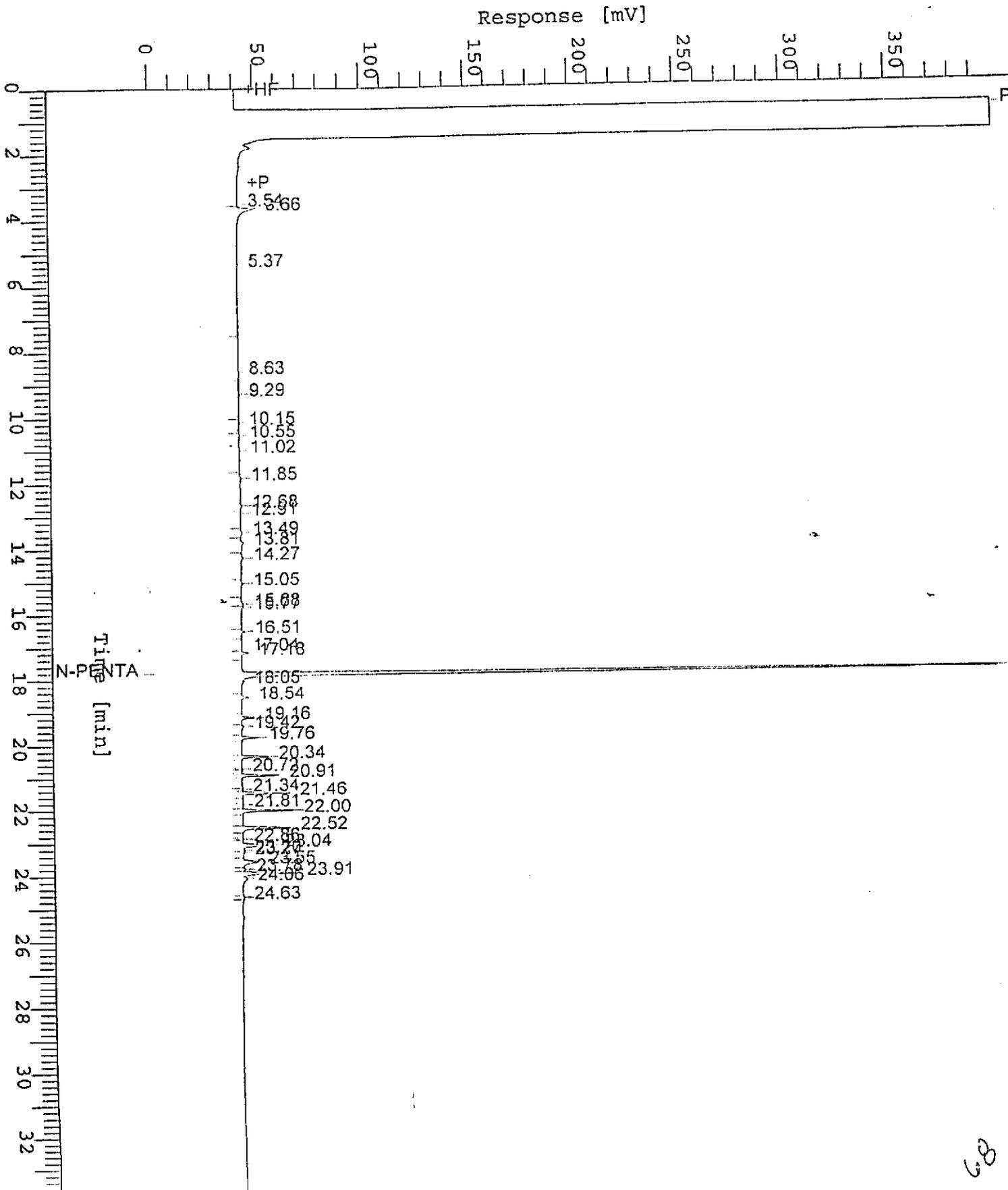


Chromatogram

Sample Name : DS9702C38-7 (20:1)
FileName : S:\GHP_05\0309\303A021.raw
Method : TPH05A
Start Time : 0.00 min
Scale Factor: 0.0

End Time : 33.65 min
Plot Offset: 0 mV

Sample #: CB-4-4
Date : 3/4/97 14:45
Time of Injection: 3/4/97 14:11
Low Point : 0.00 mV
Plot Scale: 400.0 mV
High Point : 400.00 mV

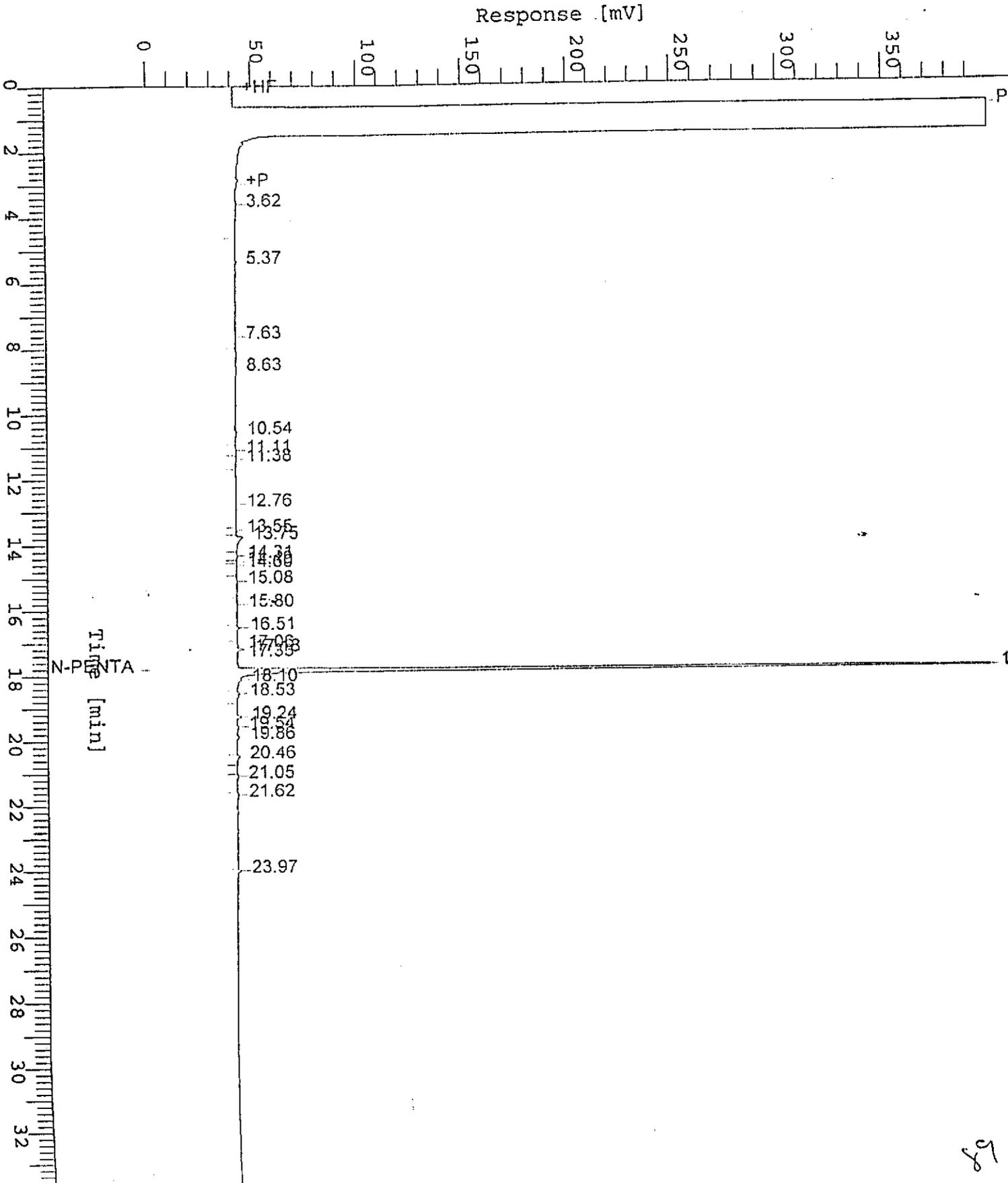


Chromatogram

Sample Name : DS9702C18-8 (20:1)
FileName : S:\GHP_05\0309\303A022.raw
Method : TPH05A
Start Time : 0.00 min
Scale Factor: 0.0

End Time : 33.65 min
Plot Offset: 0 mV

Sample #: CB-4-10
Date : 3/4/97 15:26
Time of Injection: 3/4/97 14:52
Low Point : 0.00 mV
Plot Scale: 400.0 mV
High Point : 400.00 mV



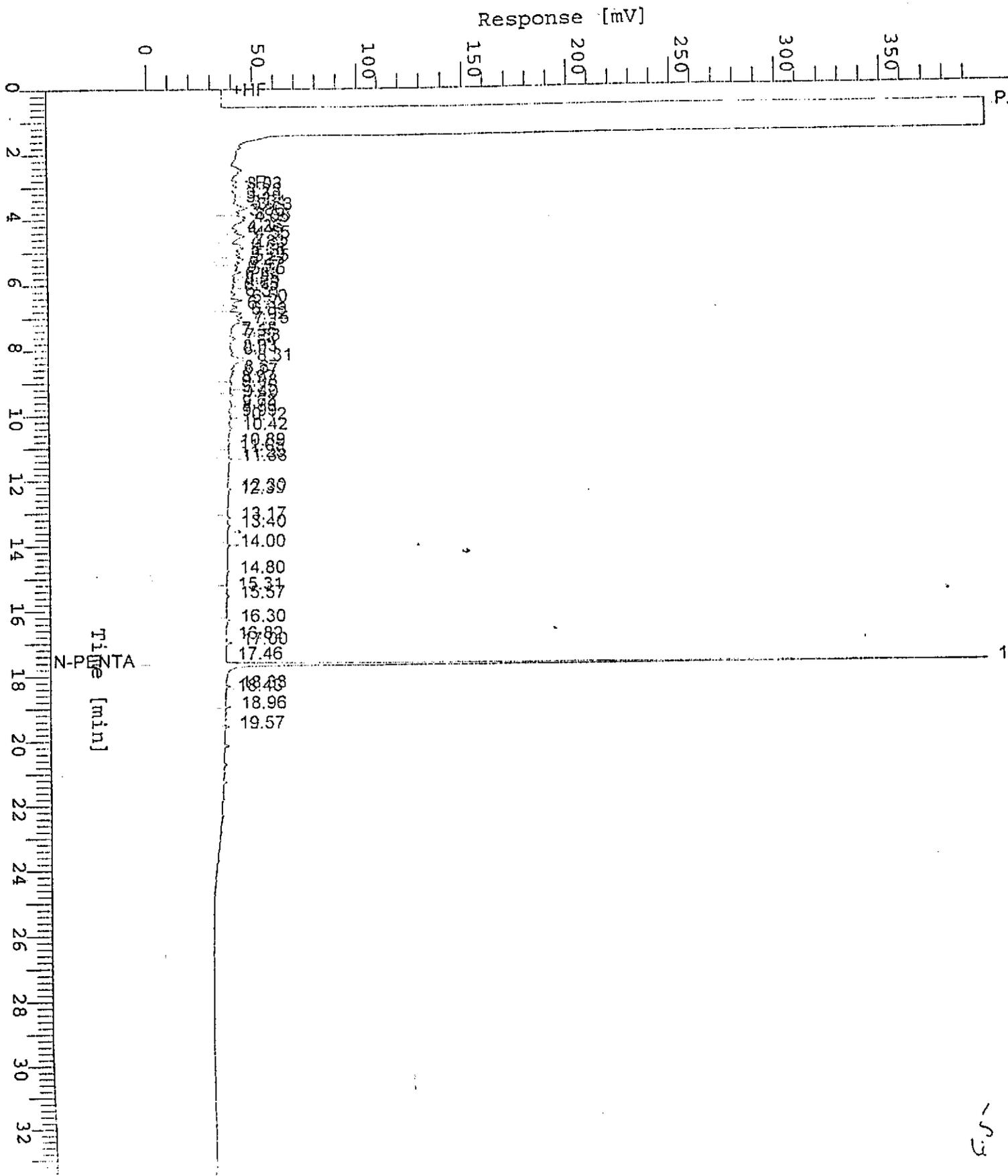
68

Chromatogram

Sample Name : DS9702C3B-9 (20:1)
FileName : S:\GHP_05\0302\227B045.raw
Method : TPH05A
Start Time : 0.00 min
Scale Factor: 0.0

End Time : 33.65 min
Plot Offset: 0 mV

Sample #: CB-5-4
Date : 3/1/97 12:07
Time of Injection: 3/1/97 05:29
Low Point : 0.00 mV
Plot Scale: 400.0 mV
Page 1 of 1
High Point : 400.00 mV



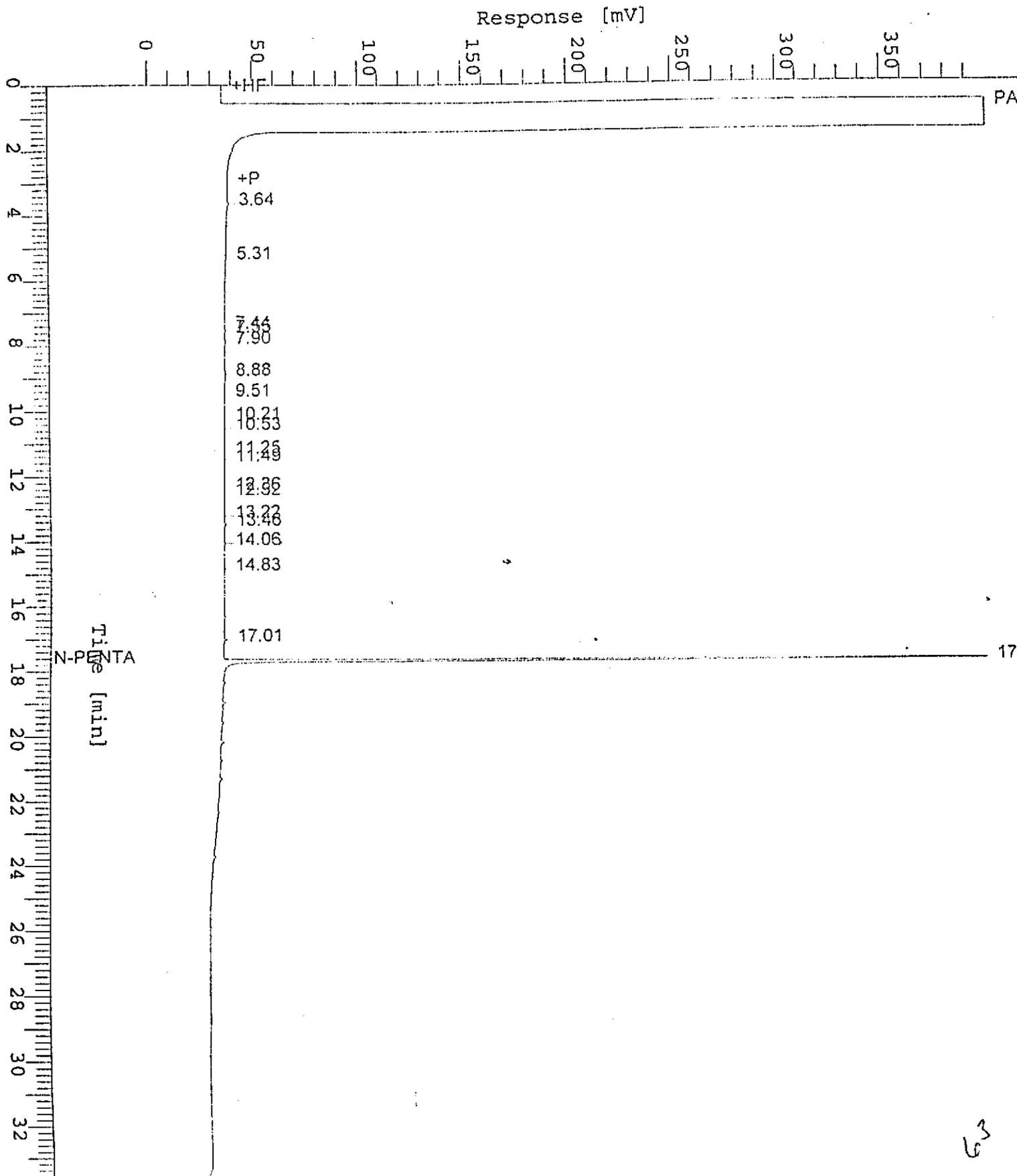
5.3

Chromatogram

Sample Name : DS9702C38-10 (20:1)
FileName : S:\GHP_05\0302\227B046.raw
Method : TPH05A
Start Time : 0.00 min
Scale Factor: 0.0

End Time : 33.65 min
Plot Offset: 0 mV

Sample #: CB-5-10
Date : 3/1/97 12:08
Time of Injection: 3/1/97 06:11
Low Point : 0.00 mV
High Point : 400.00 mV
Plot Scale: 400.0 mV



Chromatogram

Sample Name : DS9702C38-11 (20:1)
File Name : S:\GHP_05\0309\303A014.raw
Method : TPH05A
Start Time : 0.00 min
Scale Factor : 0.0

End Time : 33.65 min
Plot Offset : 0 mV

Sample #: CB-6-5

Date : 3/4/97 09:57

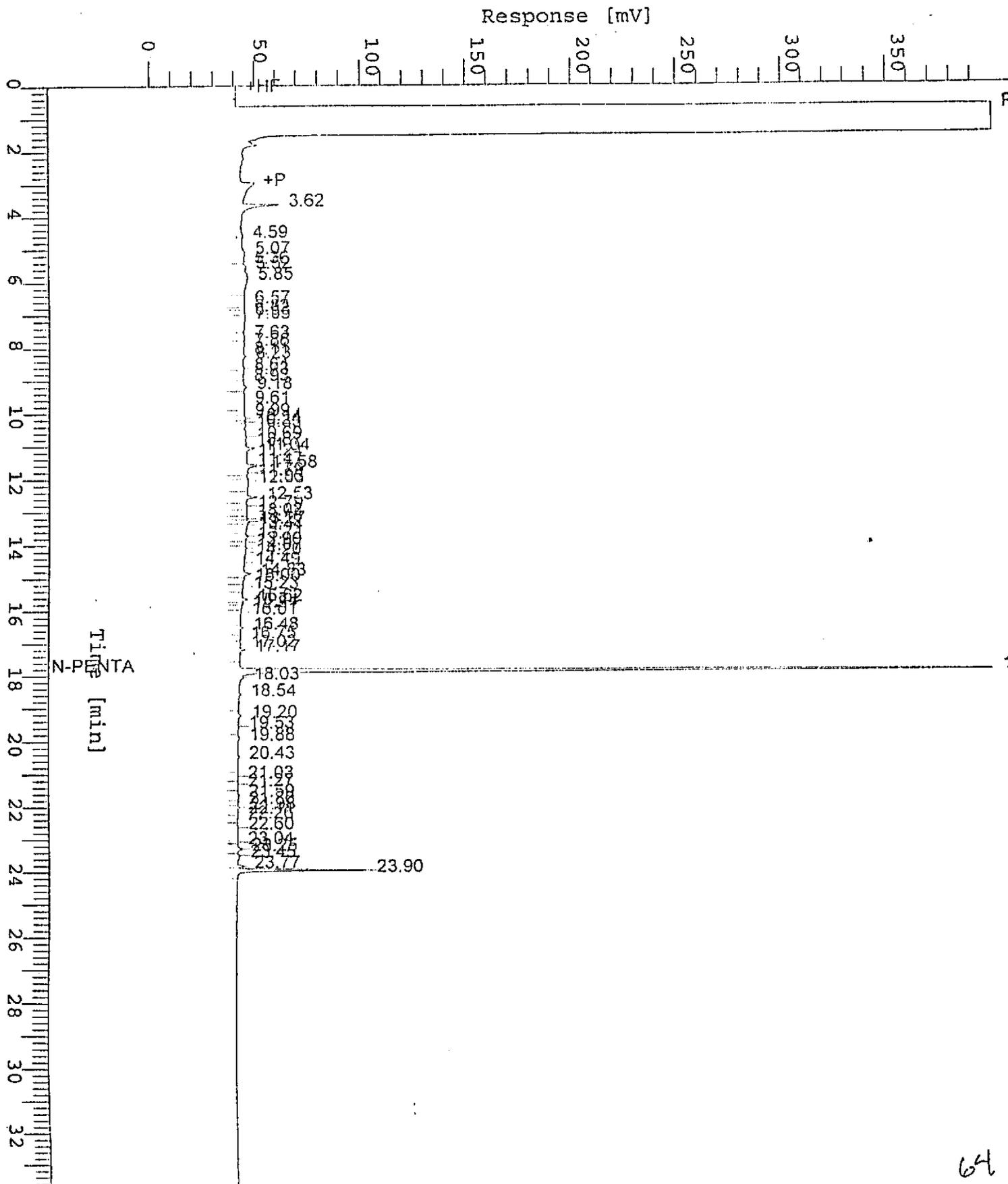
Time of Injection: 3/4/97 09:24

Low Point : 0.00 mV

Plot Scale: 400.0 mV

Page 1 of 1

High Point : 400.00 mV

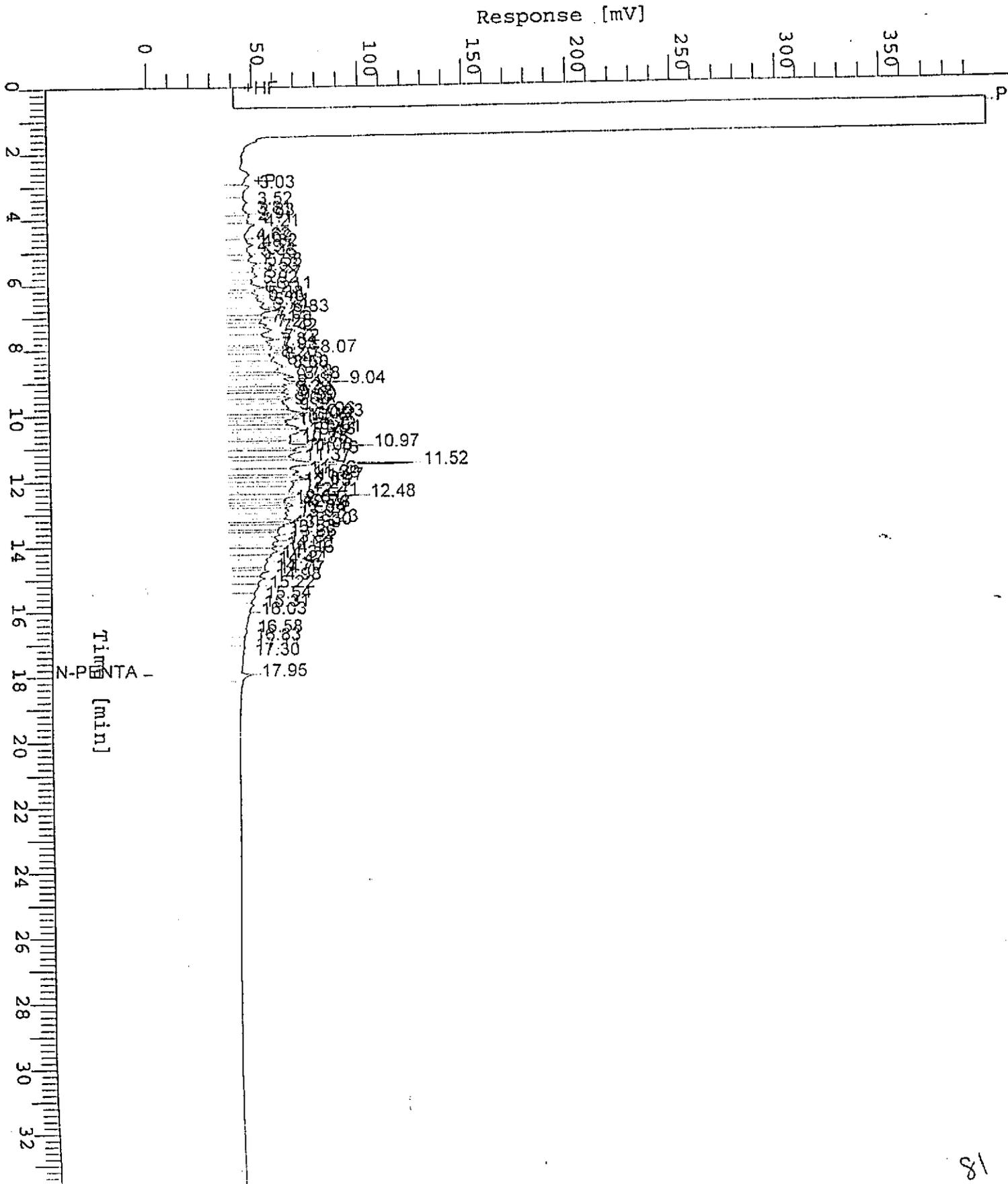


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Chromatogram

Sample Name : DS9702C38-12 (20:1+50) RS1
FileName : S:\GHP_05\0309\303A023.raw
Method : TPH05A
Start Time : 0.00 min
Scale Factor: 0.0
End Time : 33.65 min
Plot Offset: 0 mV

Sample #: CB-6-10
Date : 3/4/97 16:07
Time of Injection: 3/4/97 15:33
Low Point : 0.00 mV
High Point : 400.00 mV
Plot Scale: 400.0 mV

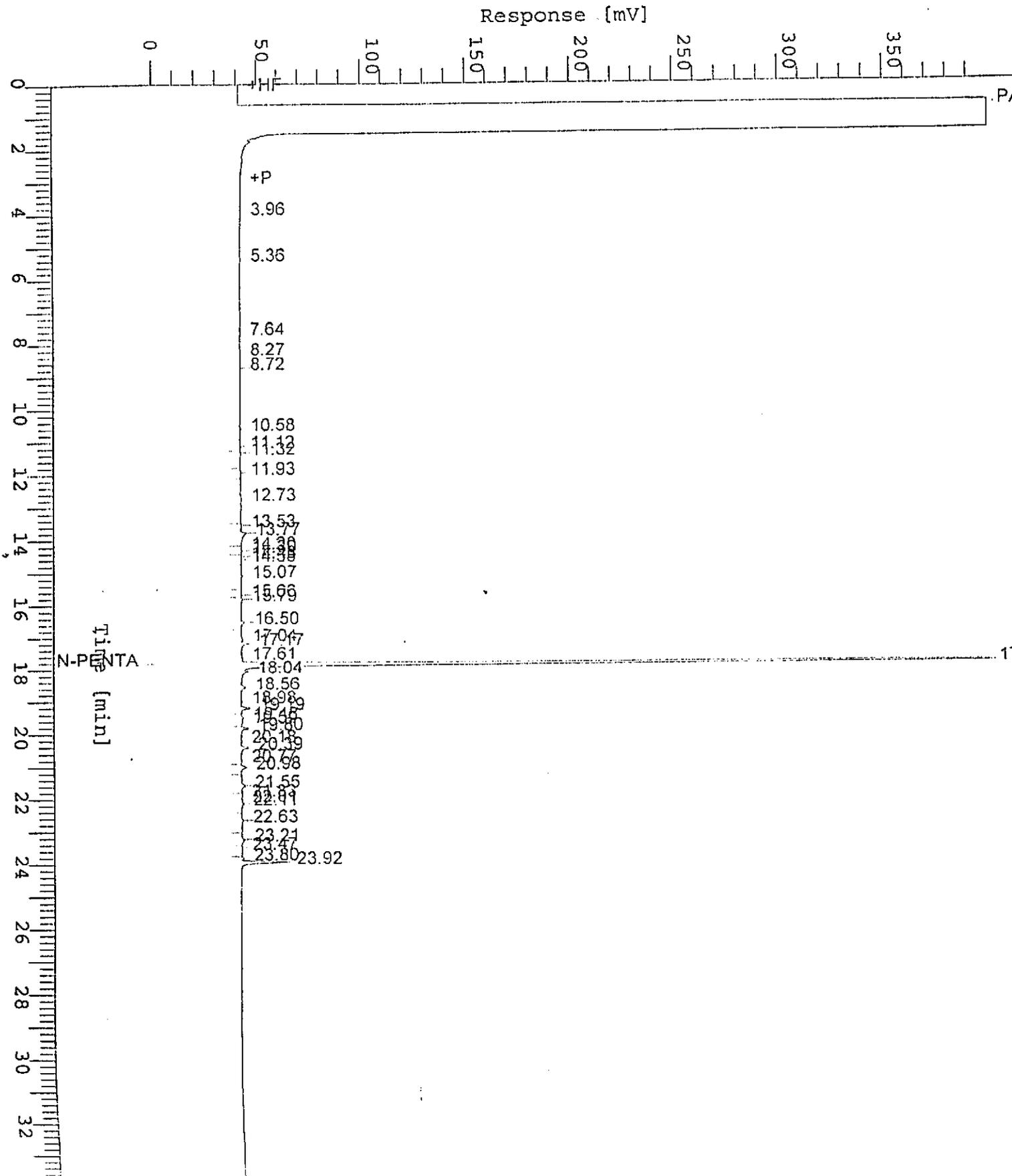


Chromatogram

Sample Name : DS9702C38-13 (20:1)
FileName : S:\GHP_05\0309\303A015.raw
Method : TPH05A
Start Time : 0.00 min
Scale Factor: 0.0

End Time : 33.65 min
Plot Offset: 0 mV

Sample #: CB-7-4
Date : 3/4/97 10:38
Time of Injection: 3/4/97 10:05
Low Point : 0.00 mV
High Point : 400.00 mV
Plot Scale: 400.0 mV



Chromatogram

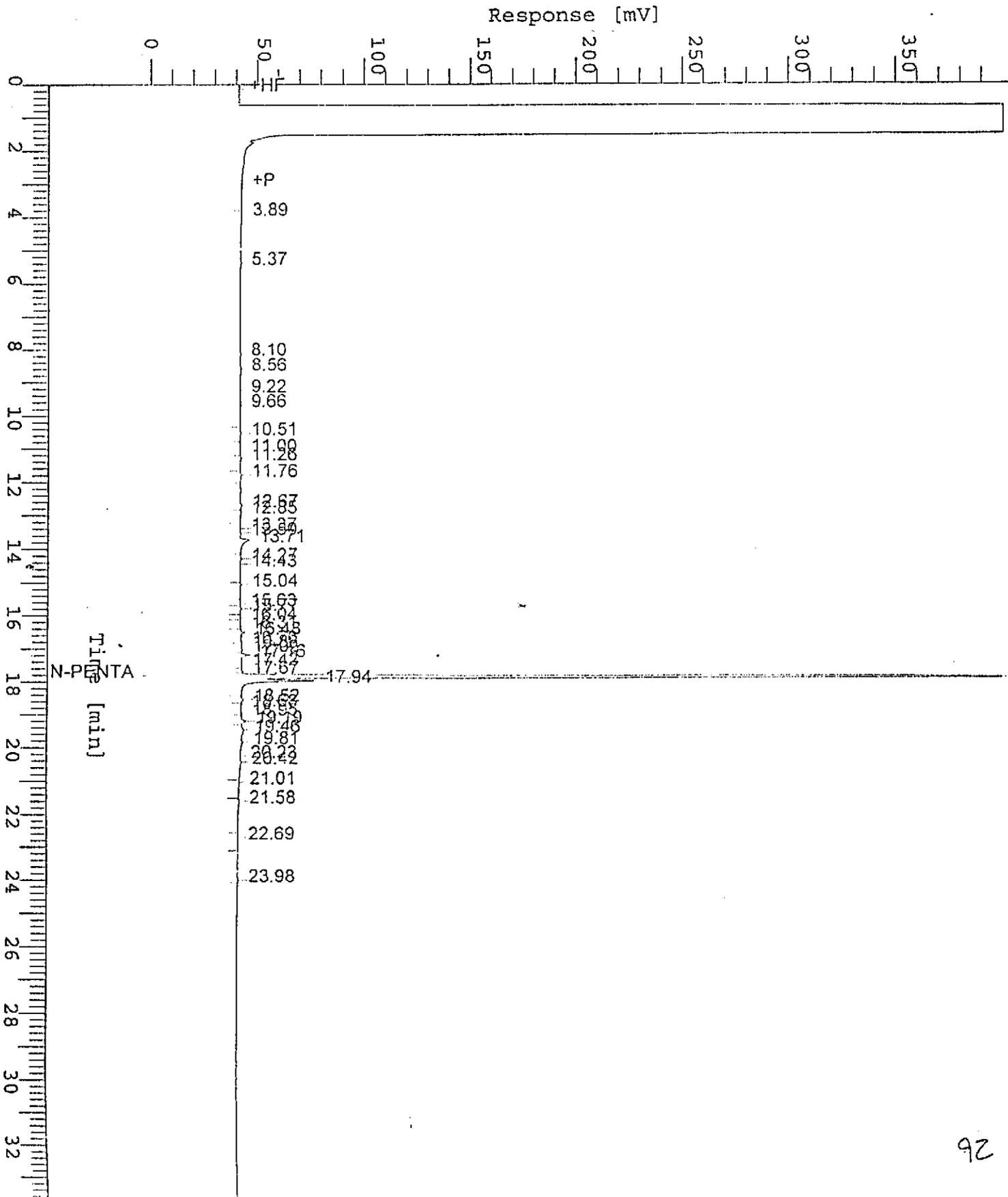
Sample Name : DS9702C38-14 (20:1)
FileName : S:\GHP_05\0309\303A016.raw
Method : TPH05A
Start Time : 0.00 min
Scale Factor: 0.0

End Time : 33.65 min
Plot Offset: 0 mV

Sample #: CB-7-10
Date : 3/4/97 11:19
Time of Injection: 3/4/97 10:46
Low Point : 0.00 mV
Plot Scale: 400.0 mV

Page 1 of 1

High Point : 400.00 mV



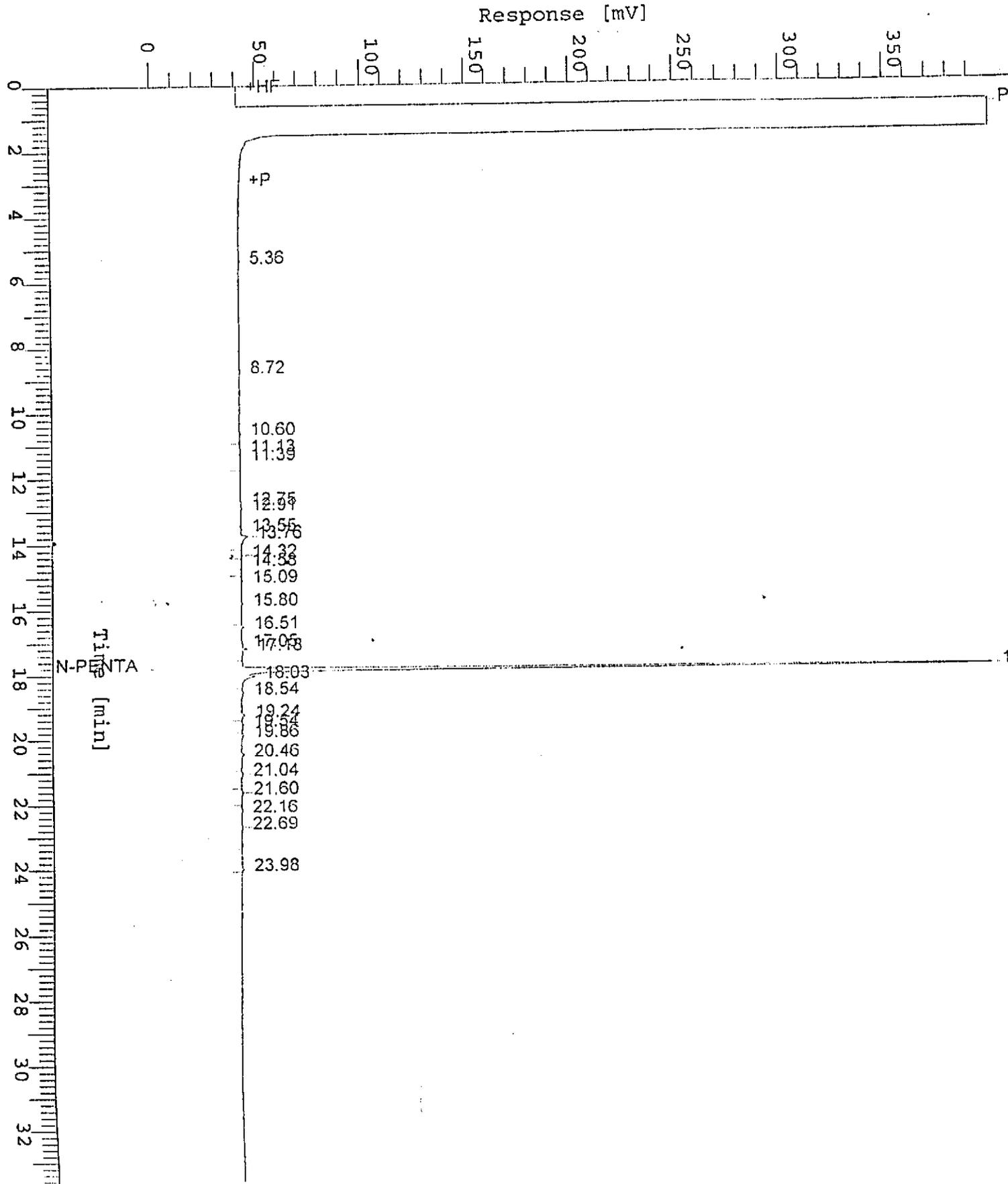
Chromatogram

Sample Name : DS9702C38-15 (20:1)
FileName : S:\GHP_05\0309\303A017.raw
Method : TPH05A
Start Time : 0.00 min
Scale Factor: 0.0

End Time : 33.65 min
Plot Offset: 0 mV

Sample #: CB-8-4
Date : 3/4/97 12:01
Time of Injection: 3/4/97 11:27
Low Point : 0.00 mV
Plot Scale: 400.0 mV

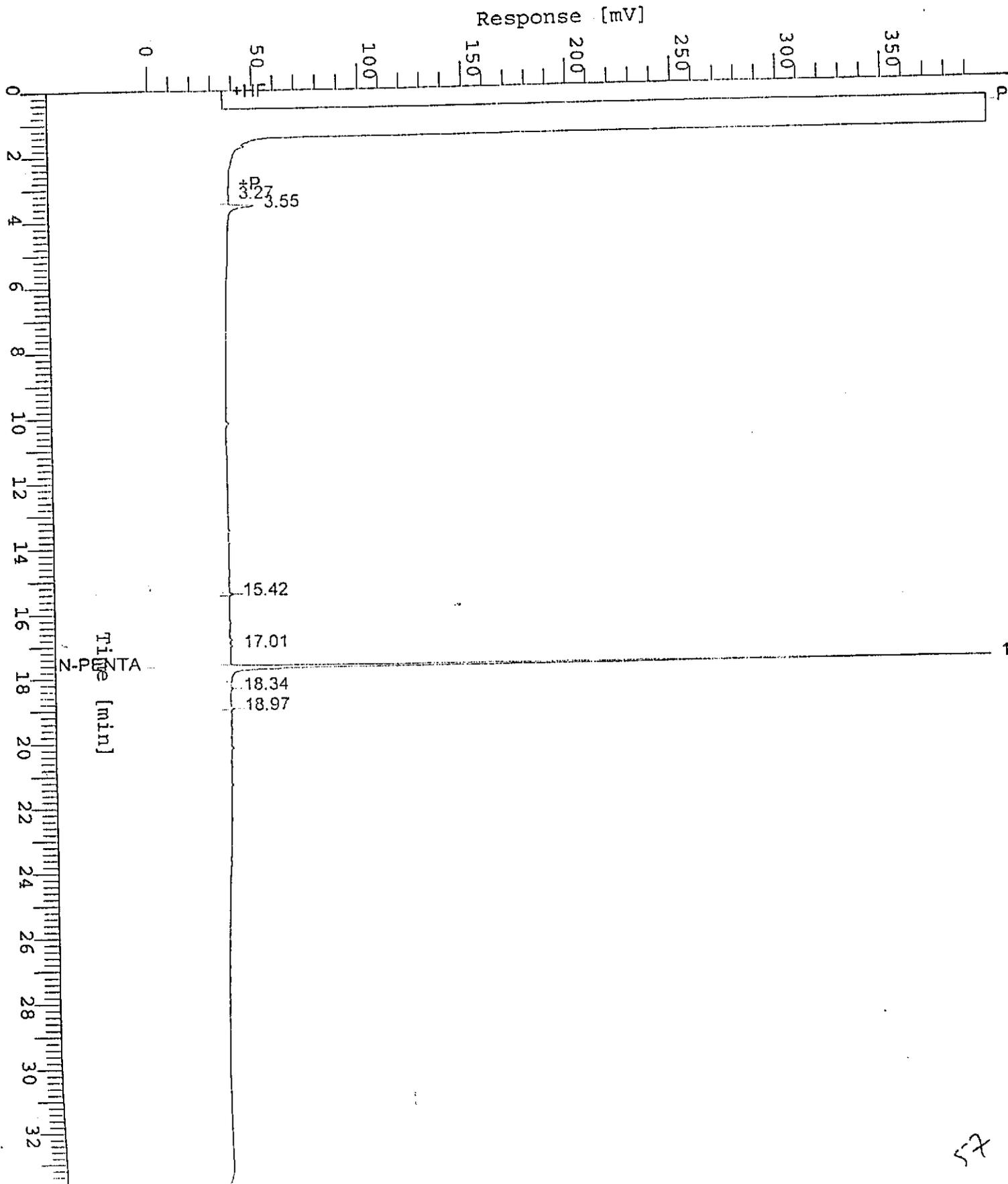
High Point : 400.00 mV



Chromatogram

Sample Name : DS9702C38-16 (20:1) RSI CONF 49% C25
FileName : S:\GHP_05\0309\303B022.raw
Method : TPH05A
Start Time : 0.00 min
Scale Factor: 0.0

Sample #: CB-1-10
Date : 3/4/97 15:26
Time of Injection: 3/4/97 14:52
Low Point : 0.00 mV
High Point : 400.00 mV
End Time : 33.65 min
Plot Offset: 0 mV
Plot Scale: 400.0 mV



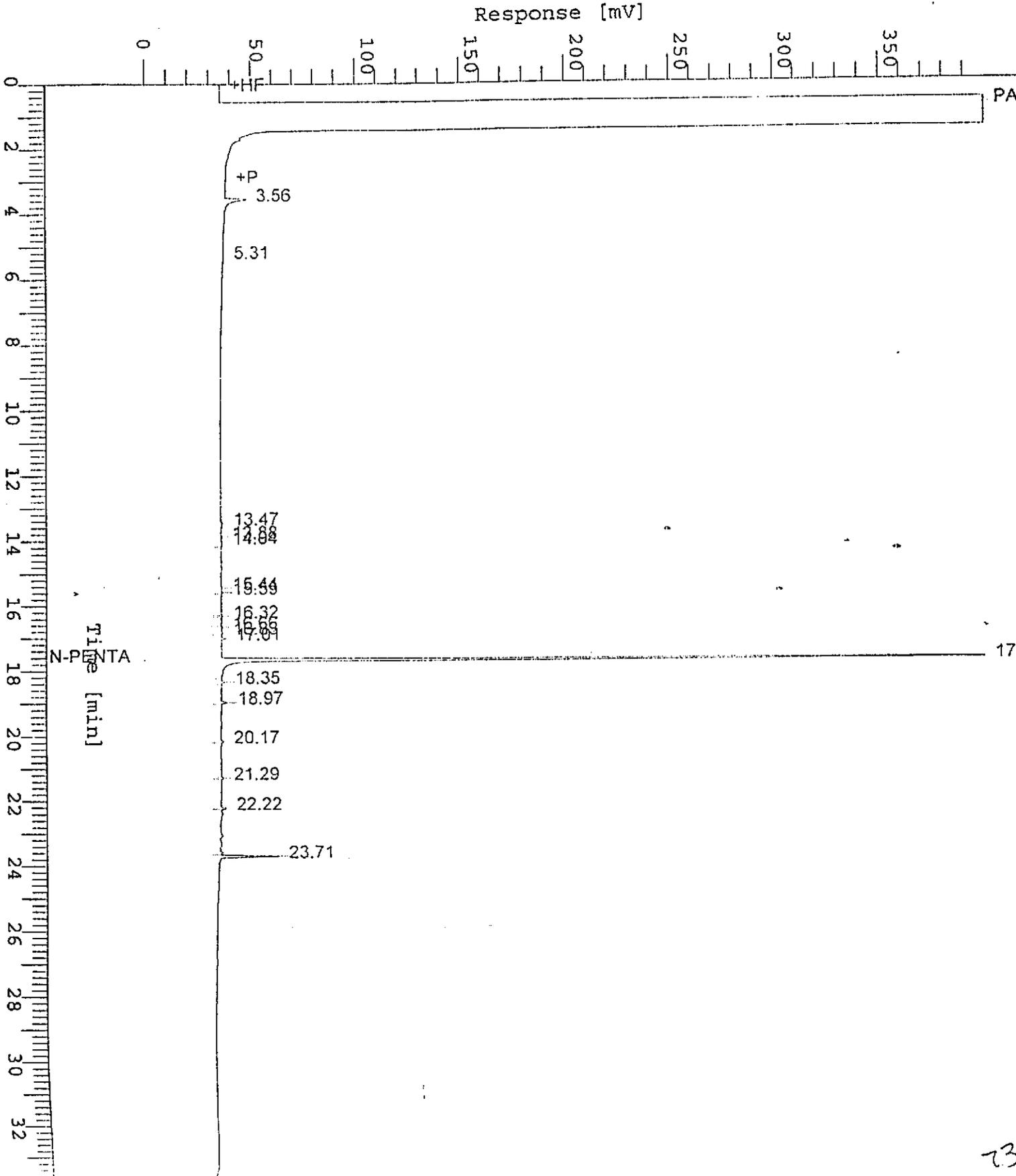
57

Chromatogram

Sample Name : DS9702C38-17 (20:1)
FileName : S:\GHP_05\0309\303B005.raw
Method : TPH05A
Start Time : 0.00 min
Scale Factor: 0.0

End Time : 33.65 min
Plot Offset: 0 mV

Sample #: CB-9-4
Date : 3/4/97 01:10
Time of Injection: 3/4/97 00:36
Low Point : 0.00 mV
High Point : 400.00 mV
Plot Scale: 400.0 mV

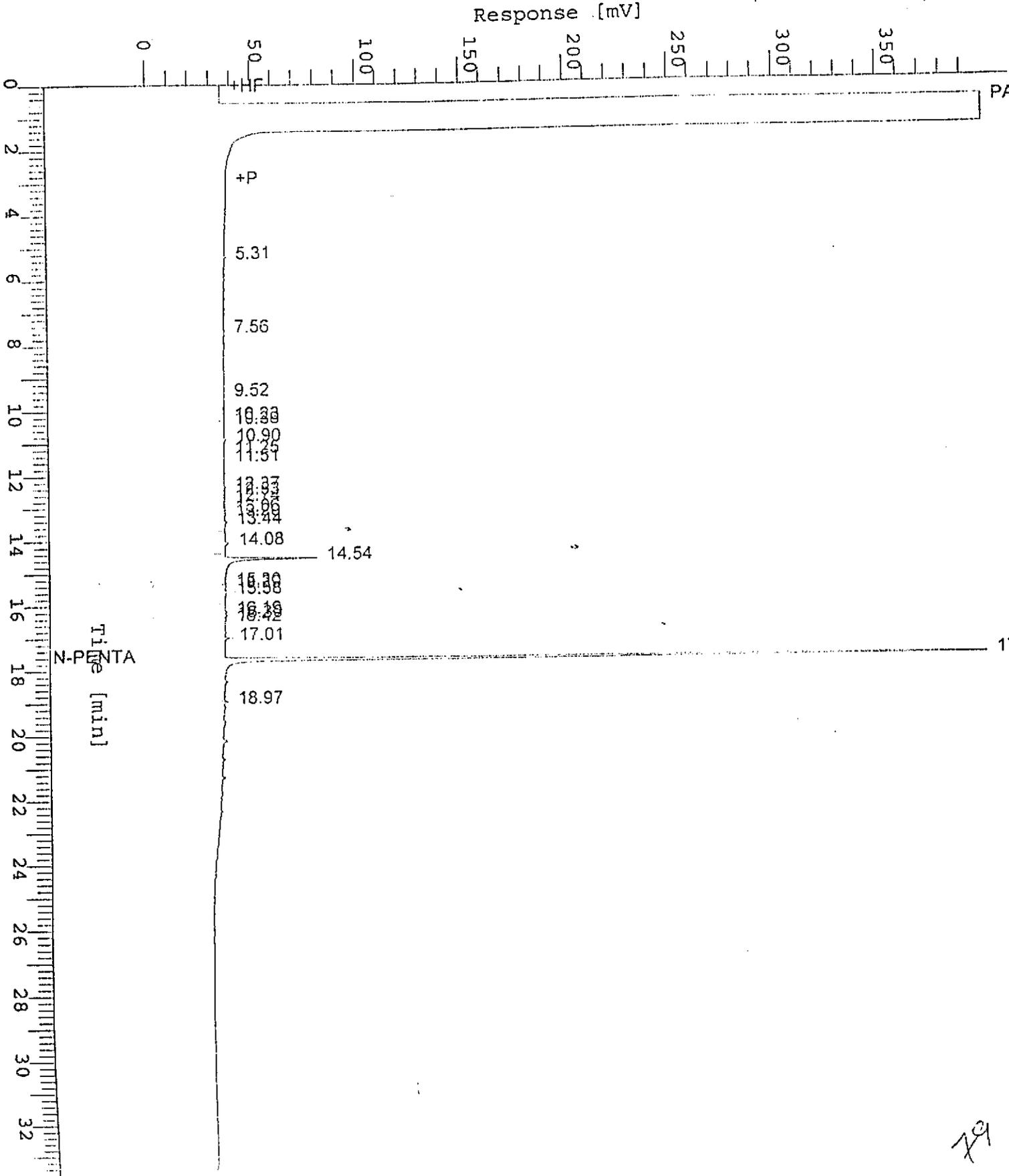


Chromatogram

Sample Name : DS9702C38-18 (20:1)
FileName : S:\GHP_05\0302\227B047.raw
Method : TPH05A
Start Time : 0.00 min
Scale Factor: 0.0

End Time : 33.65 min
Plot Offset: 0 mV

Sample #: CB-9-10
Date : 3/1/97 12:09
Time of Injection: 3/1/97 06:52
Low Point : 0.00 mV
Plot Scale: 400.0 mV
High Point : 400.00 mV



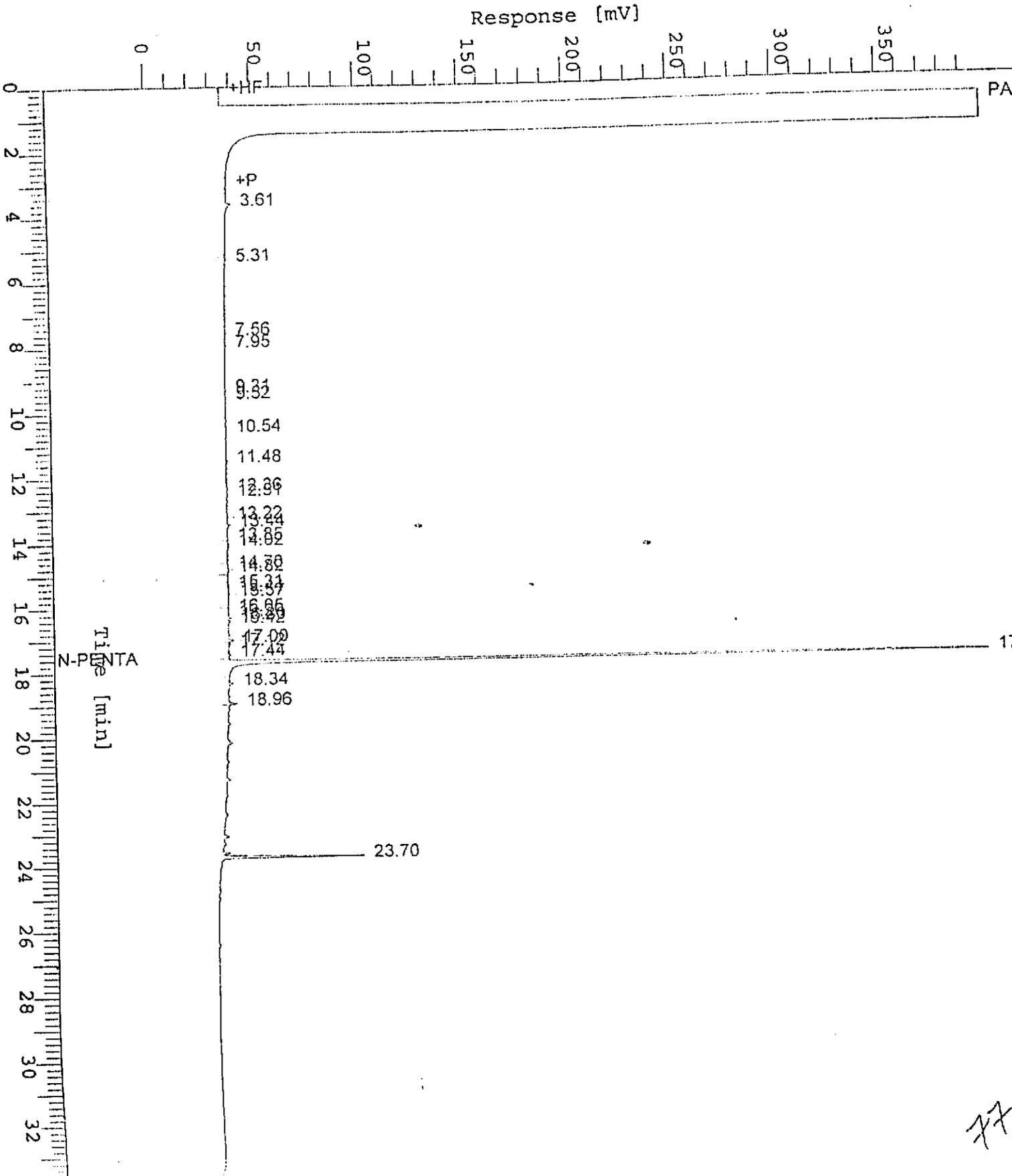
70

Chromatogram

Sample Name : DS9702C38-19 (20:1)
FileName : S:\GHP_05\0302\227B048.raw
Method : TPH05A
Start Time : 0.00 min
Scale Factor: 0.0

End Time : 33.65 min
Plot Offset: 0 mV

Sample #: CB-10-4
Date : 3/1/97 12:10
Time of Injection: 3/1/97 07:33
Low Point : 0.00 mV
Plot Scale: 400.0 mV
High Point : 400.00 mV



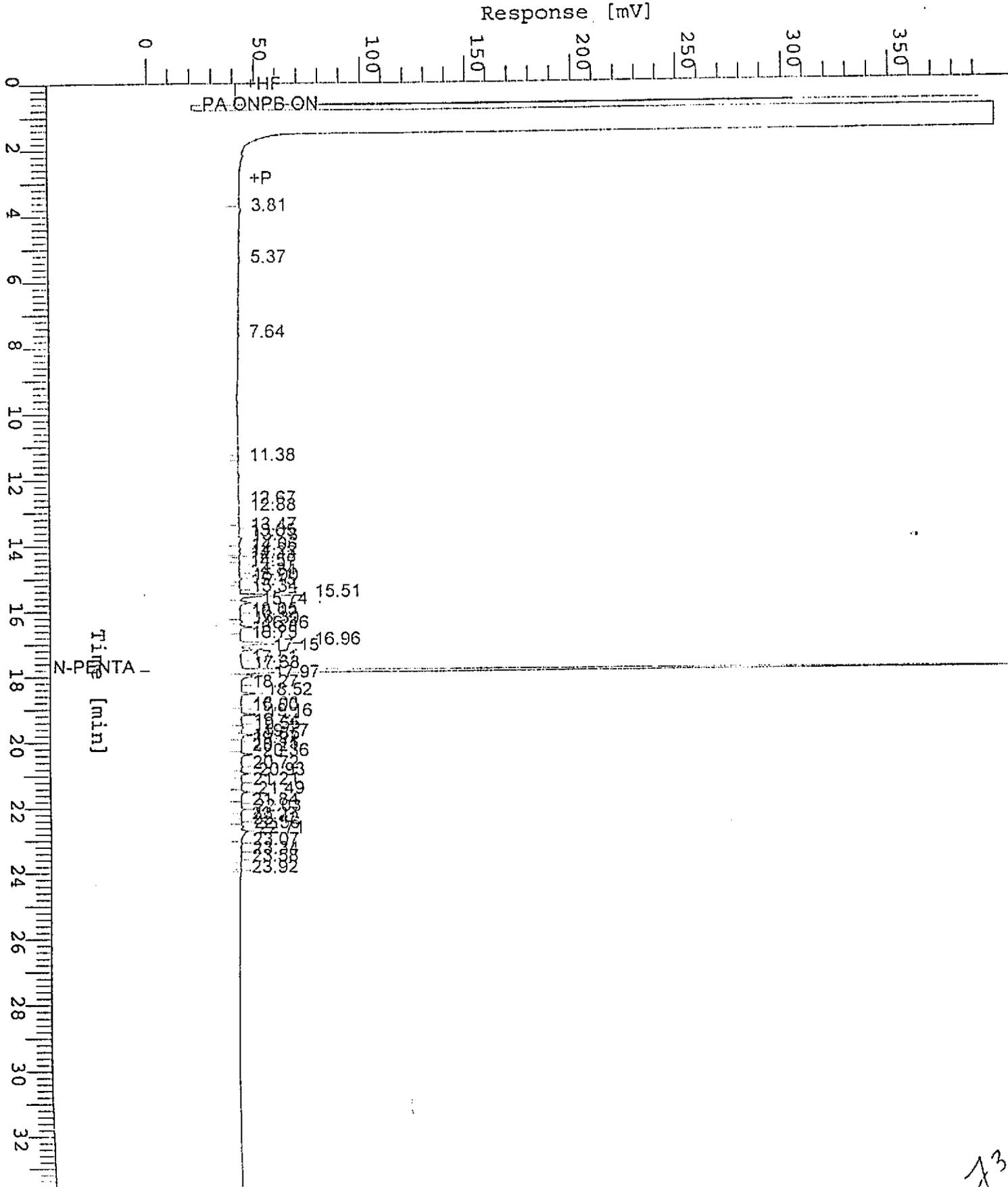
77

Chromatogram

Sample Name : DS9702C38-20 (20:1) RS4
FileName : S:\GHP_05\0302\301A043.raw
Method : TPH05A
Start Time : 0.00 min
Scale Factor : 0.0

End Time : 33.65 min
Plot Offset : 0 mV

Sample #: CB-10-10
Date : 3/3/97 13:54
Time of Injection: 3/3/97 13:31
Low Point : 0.00 mV
Plot Scale: 400.0 mV
High Point : 400.00 mV



73

Chromatogram

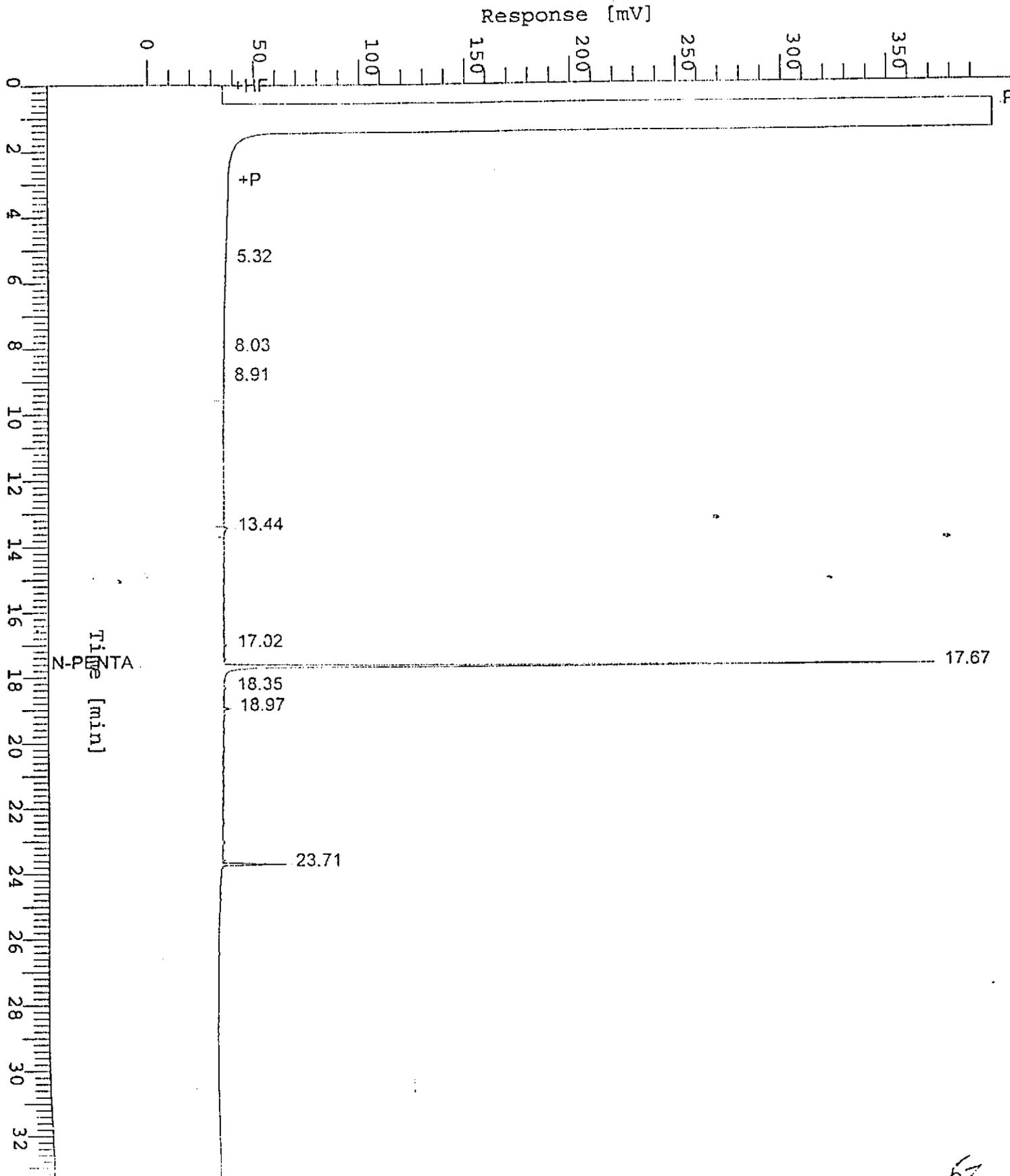
Sample Name : DS9702C38-21 (20:1)
FileName : S:\GHP_05\0309\303B006.raw
Method : TPH05A
Start Time : 0.00 min
Scale Factor: 0.0

End Time : 33.65 min
Plot Offset: 0 mV

Sample #: CB-11-4
Date : 3/4/97 01:51
Time of Injection: 3/4/97 01:17
Low Point : 0.00 mV
Plot Scale: 400.0 mV

Page 1 of 1

High Point : 400.00 mV

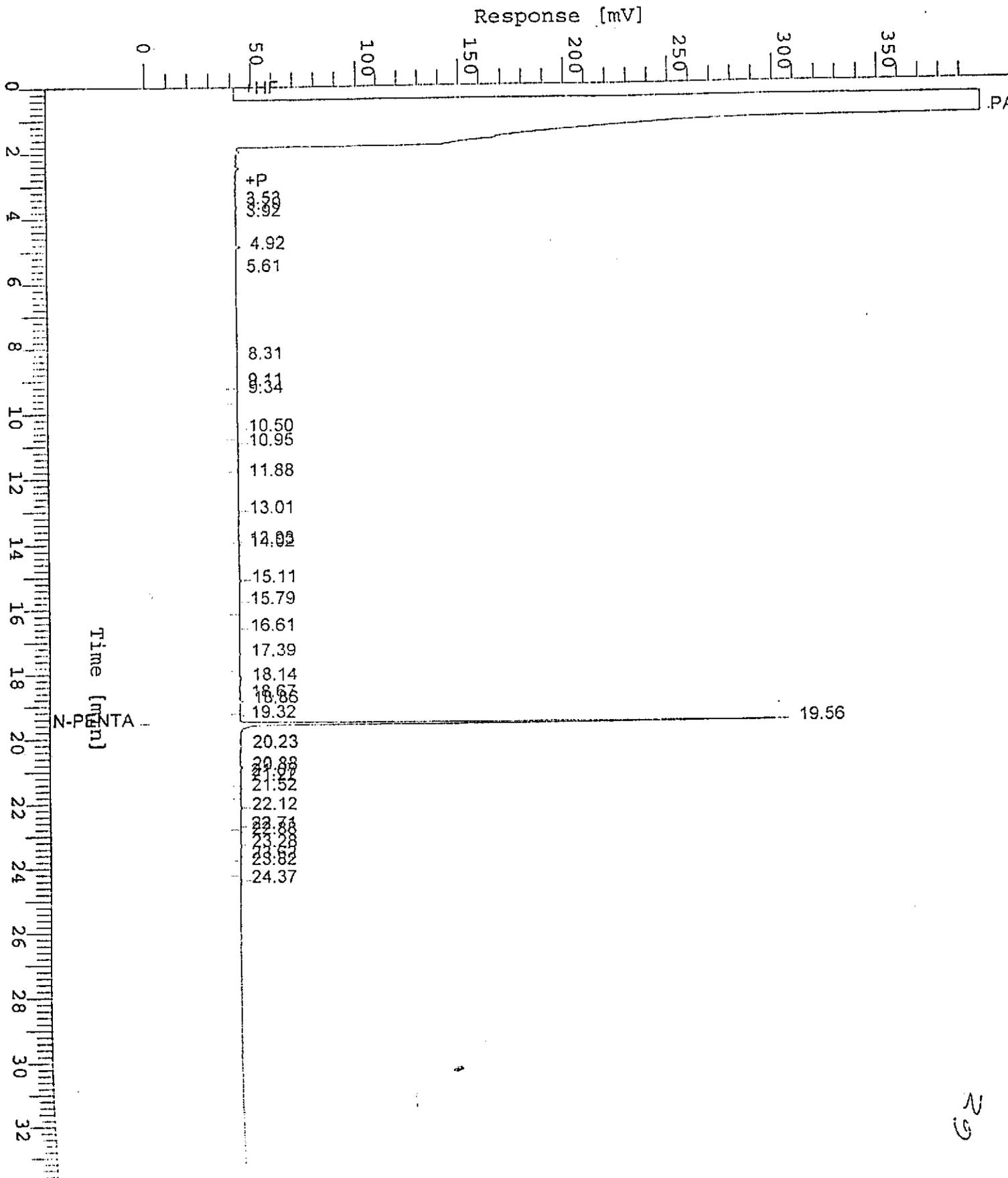


Chromatogram

Sample Name : DS9702C38-22 (20:1)
FileName : S:\GHP_04\0302\228A021.raw
Method : TPH04A
Start Time : 0.00 min
Scale Factor : 0.0

End Time : 33.65 min
Plot Offset: 0 mV

Page 1 of 1
Sample #: CB-11-10
Date : 3/1/97 16:24
Time of Injection: 3/1/97 15:50
Low Point : 0.00 mV
High Point : 400.00 mV
Plot Scale: 400.0 mV



29

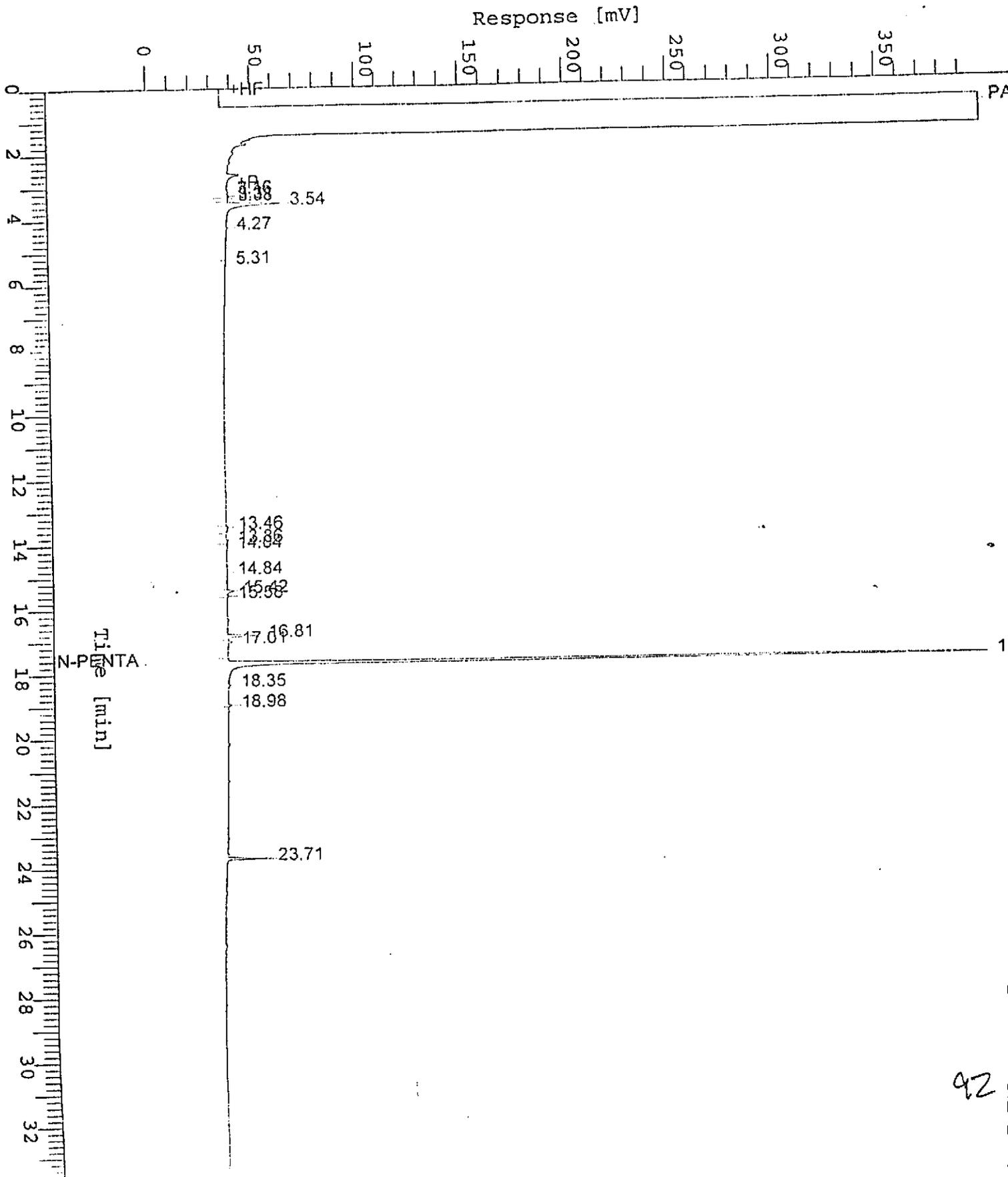
Chromatogram

Sample Name : DS9702C38-23 (20:1)
FileName : S:\GHP_05\0309\303B007.raw
Method : TPH05A
Start Time : 0.00 min
Scale Factor: 0.0

End Time : 33.65 min
Plot Offset: 0 mV

Sample #: CB-12-13
Date : 3/4/97 02:32
Time of Injection: 3/4/97 01:58
Low Point : 0.00 mV
High Point : 400.00 mV
Plot Scale: 400.0 mV

Page 1 of 1



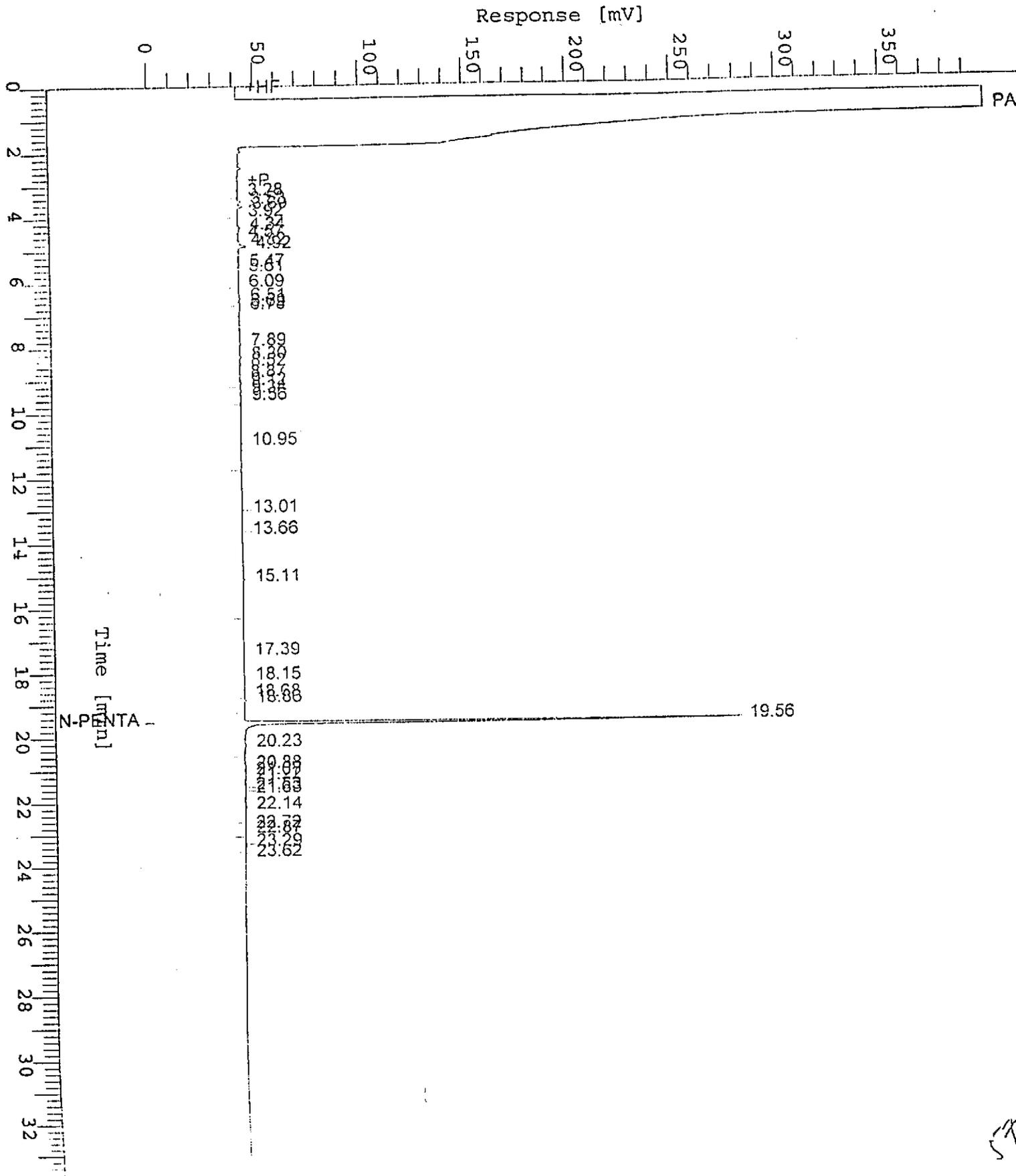
92

Chromatogram

Sample Name : DS9702C38-24 (20:1)
FileName : S:\GHP_04\0302\228A022.raw
Method : TPH04A
Start Time : 0.00 min
Scale Factor : 0.0

End Time : 33.65 min
Plot Offset: 0 mV

Sample #: CB-12-10
Date : 3/1/97 17:05
Time of Injection: 3/1/97 16:31
Low Point : 0.00 mV
High Point : 400.00 mV
Plot Scale: 400.0 mV





Gettler Ryan/Geostrategies Client Project ID: Chevron 9-4800, Oakland
6747 Sierra Court, Ste J Matrix: Solid
Dublin, CA 94568
Attention: Deanna Harding Work Order #: 9702C38 05, 06, 09, 10, 18-20, Reported: Mar 12, 1997

22, 24

QUALITY CONTROL DATA REPORT

Analyte: Diesel

QC Batch#: GC0227970HBPEXC

Analy. Method: EPA 8015M

Prep. Method: EPA 3550/DHS

Analyst: B. Sullivan

MS/MSD #: 9702C2901

Sample Conc.: 16

Prepared Date: 2/27/97

Analyzed Date: 3/2/97

Instrument I.D.#: GCHP5B

Conc. Spiked: 25 mg/Kg

Result: 42

MS % Recovery: 104

Dup. Result: 41

MSD % Recov.: 100

RPD: 2.4

RPD Limit: 0-50

LCS #: BLK022797CS

Prepared Date: 2/27/97

Analyzed Date: 3/2/97

Instrument I.D.#: GCHP5B

Conc. Spiked: 25 mg/Kg

LCS Result: 23

LCS % Recov.: 92

MS/MSD 50-150
LCS 60-140
Control Limits

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

9702C38.GET <1>



**Sequoia
Analytical**

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819 Striker Avenue, Suite 8

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Walnut Creek, CA 94598
Sacramento, CA 95834

(415) 364-9600
(510) 988-9600
(916) 921-9600

FAX (415) 364-9233
FAX (510) 988-9673
FAX (916) 921-0100

Gettler Ryan/Geostrategies
6747 Sierra Court, Ste J
Dublin, CA 94568
Attention: Deanna Harding

Client Project ID: Chevron 9-4800, Oakland
Matrix: Solid

Work Order #: 9702C38 01-04, 07, 08, 11-17,

Reported: Mar 12, 1997

21, 23

QUALITY CONTROL DATA REPORT

Analyte: Diesel

QC Batch#: GC0303970HBPEXA
Analy. Method: EPA 8015M
Prep. Method: EPA 3550/DHS

Analyst: B. Sullivan
MS/MSD #: 9702C4506
Sample Conc.: N.D.
Prepared Date: 3/3/97
Analyzed Date: 3/4/97
Instrument I.D.#: GCHP5A
Conc. Spiked: 25 mg/Kg

Result: 20
MS % Recovery: 80

Dup. Result: 18
MSD % Recov.: 72

RPD: 11
RPD Limit: 0-50

LCS #: BLK030397AS

Prepared Date: 3/3/97
Analyzed Date: 3/4/97
Instrument I.D.#: GCHP5A
Conc. Spiked: 25 mg/Kg

LCS Result: 21
LCS % Recov.: 84

MS/MSD 50-150
LCS 60-140
Control Limits

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

9702C38.GET <2>



Gettler Ryan/Geostrategies
6747 Sierra Court, Ste J
Dublin, CA 94568
Attention: Deanna Harding

Client Project ID: Chevron 9-4800, Oakland
Matrix: Solid

Work Order #: 9702C38 01-20

Reported: Mar 12, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC022697BTEXEXA	GC022697BTEXEXA	GC022697BTEXEXA	GC022697BTEXEXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	A. Porter	A. Porter	A. Porter	A. Porter
MS/MSD #:	9702C3803	9702C3803	9702C3803	9702C3803
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/26/97	2/26/97	2/26/97	2/26/97
Analyzed Date:	2/26/97	2/26/97	2/26/97	2/26/97
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg
Result:	0.16	0.16	0.17	0.49
MS % Recovery:	80	80	85	82
Dup. Result:	0.16	0.16	0.16	0.48
MSD % Recov.:	80	80	80	80
RPD:	0.0	0.0	6.1	2.1
RPD Limit:	0-25	0-25	0-25	0-25

LCS #:	BLK022697	BLK022697	BLK022697	BLK022697
Prepared Date:	2/26/97	2/26/97	2/26/97	2/26/97
Analyzed Date:	2/26/97	2/26/97	2/26/97	2/26/97
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg
LCS Result:	0.17	0.17	0.17	0.52
LCS % Recov.:	85	85	85	87

MS/MSD	60-140	60-140	60-140	
LCS	70-130	70-130	70-130	70-130
Control Limits				

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

9702C38.GET <3>



Gettler Ryan/Geostrategies
6747 Sierra Court, Ste J
Dublin, CA 94568
Attention: Deanna Harding

Client Project ID: Chevron 9-4800, Oakland
Matrix: Solid

Work Order #: 9702C38 21-24

Reported: Mar 12, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC022697BTEXEXB	GC022697BTEXEXB	GC022697BTEXEXB	GC022697BTEXEXB
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Heider	J. Heider	J. Heider	J. Heider
MS/MSD #:	9702C3804	9702C3804	9702C3804	9702C3804
Sample Conc.:	0.011	0.012	N.D.	0.034
Prepared Date:	2/26/97	2/26/97	2/26/97	2/26/97
Analyzed Date:	2/26/97	2/26/97	2/26/97	2/26/97
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg
Result:	0.16	0.15	0.17	0.45
MS % Recovery:	80	75	85	75
Dup. Result:	0.15	0.14	0.16	0.42
MSD % Recov.:	75	70	80	70
RPD:	6.5	6.9	6.1	6.9
RPD Limit:	0-25	0-25	0-25	0-25

LCS #:	BLK022697BSA	BLK022697BSA	LK022697BSA	BLK022697BSA
Prepared Date:	2/26/97	2/26/97	2/26/97	2/26/97
Analyzed Date:	2/26/97	2/26/97	2/26/97	2/26/97
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg
LCS Result:	0.17	0.17	0.17	0.48
LCS % Recov.:	85	85	85	80

MS/MSD	60-140	60-140	60-140	
LCS	70-130	70-130	70-130	70-130
Control Limits				

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

9702C38.GET <4>

Chevron U.S.A. Inc. P.O. BOX 5004 San Ramon, CA 94583 FAX (415)842-9591	Chevron Facility Number <u>9-4800</u> Facility Address <u>1700 Castro St Oakland</u> Consultant Project Number <u>6383.01</u> Consultant Name <u>Gettler-Ryan</u> Address <u>6747 Sierra Ct, Ste J, Dublin 94568</u> Project Contact (Name) <u>Deanna Harding</u> (Phone) <u>916-631-1314</u> (Fax Number) <u>916 631-1317</u>	Chevron Contact (Name) <u>Phil Briggs</u> (Phone) _____ Laboratory Name <u>Sequoia</u> Laboratory Release Number <u>9051783 Z202760</u> Samples Collected by (Name) <u>Clyde Galantine</u> Collection Date <u>2/21-23/97</u> Signature <u>Clyde Galantine</u>
--	--	---

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Lead (Yes or No)	Analyses To Be Performed 9702038										Remarks			
								TPH Gr + BTEX (8016)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)						
CB-8-4	15	1	S	G	2:20		Y	X	X												
CB-8-10	16				6:20			X	X												
CB-9-4	17				3:00			X	X												
CB-9-10	18				10:45			X	X												
CB-10-4	19				3:45			X	X												
CB-10-10	20				10:50			X	X												
CB-11-4	21				3:20			X	X												
CB-11-10	22				11:00			X	X												
CB-12-4	23				3:35			X	X												
CB-12-10	24	4	W	W	11:10		W	X	X												

DO NOT BILL TB-LB ANALYSIS

Relinquished By (Signature) <u>Clyde Galantine</u>	Organization <u>G-R</u>	Date/Time <u>2/23/97 12:40</u>	Received By (Signature) <u>F. Miller</u>	Organization <u>Sequoia</u>	Date/Time <u>2/24/97</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days <input checked="" type="radio"/> 10 Days As Contracted
Relinquished By (Signature) <u>F. Miller</u>	Organization	Date/Time <u>2/24/97</u>	Received By (Signature)	Organization	Date/Time	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)	Organization	Date/Time <u>2-24-97</u>	

COC-5.0 rev 6/03

Fax copy of Lab Report and COC to Chevron Contact: No Yes

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
Son Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number: 9-4800
Facility Address: 1700 Castro St Oakland
Consultant Project Number: 6383.01
Consultant Name: Gettler-Ryan
Address: 6747 Sierra Ct, Ste J, Dublin 94568
Project Contact (Name): Deanna Harding
(Phone): 916-631-1314 (Fax Number): 916 631-1317

Chevron Contact (Name): Phil Briggs
(Phone): _____
Laboratory Name: Sequoia
Laboratory Release Number: 9051783 2202760
Samples Collected by (Name): Clyde Galantine
Collection Date: 2/21/97
Signature: Clyde Galantine

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed <u>9702-678</u>										Remarks	
								TPH Gas + BTEX (8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)				
CB-1-6	1	1	S	G	2:30		Y	X	X										
CB-1-10	2	1			1:05			X	X										
CB-2-6	3	1			1:55			X	X										
CB-2-10	4	1			2:20			X	X										
CB-3-6	5	1			5:00			X	X										
CB-3-10	6	1			5:30			X	X										
CB-4-4	7	1			10:15			X	X										
CB-4-10	8	1			5:50			X	X										
CB-5-4	9	1			2:55			X	X										
CB-5-10	10	1			3:35			X	X										
CB-6-5	11	1			2:00			X	X										
CB-6-10	12	1			6:00			X	X										
CB-7-4	13	1			2:10			X	X										
CB-7-10	14	1			6:10			X	X										

DO NOT BILL TB-LB ANALYSIS

Relinquished By (Signature): <u>Clyde Galantine</u>	Organization: <u>G-R</u>	Date/Time: <u>2/23/97 12:40</u>	Received By (Signature): <u>[Signature]</u>	Organization: <u>Sequoia</u>	Date/Time: <u>2/24/97 9:30</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. <u>6 Days</u> 10 Days As Controlled
Relinquished By (Signature): <u>[Signature]</u>	Organization: _____	Date/Time: <u>2/24/97</u>	Received By (Signature): _____	Organization: _____	Date/Time: _____	
Relinquished By (Signature): _____	Organization: _____	Date/Time: _____	Received For Laboratory By (Signature): _____	Organization: _____	Date/Time: <u>2/24/97</u>	

COC-3-DWG/03 2/17/97



Sequoia Analytical

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(510) 988-9600
(916) 921-9600

FAX (415) 364-9333
FAX (510) 988-9673
FAX (916) 921-0100

Gentler-Ryan Inc.
6747 Sierra Ct. Ste. J
Dublin, CA 94568
Attention: Clyde Galantine

Client Project ID: Chevron #9-4800
Sample Matrix: Soil
Analysis Method: EPA 5030/8015 Mod./8020
First Sample #: 702-0872

Sampled: Feb 18, 1997
Received: Feb 18, 1997
Reported: Feb 26, 1997

QC Batch Number:

SP021807

8020EXA

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D. 702-0872 CS-1A-D
Purgeable Hydrocarbons	1.0	40
Benzene	0.0050	0.013
Toluene	0.0050	0.0072
Ethyl Benzene	0.0050	0.0080
Total Xylenes	0.0050	0.73

Chromatogram Pattern:

Gasoline &
Unidentified
Hydrocarbons
>C8

Quality Control Data

Report Limit Multiplication Factor: 1.0
Date Analyzed: 2/18/97
Instrument Identification: HP-5
Surrogate Recovery, %:
(QC Limits = 70-130%) 93

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Jimmy Bava
Project Manager



Sequoia Analytical

680 Chesapeake Drive
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Sacramento, CA 95834

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(510) 988-9600
(916) 921-9600

FAX (415) 364-9233
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FAX (916) 921-0100

Gettler-Ryan Inc.	Client Project ID: Chevron #9-4800	Sampled: Feb 18, 1997
6747 Sierra Ct. Ste. J	Sample Matrix: Soil	Received: Feb 18, 1997
Dublin, CA 94568	Analysis Method: EPA 3550/8015 Mod.	Reported: Feb 26, 1997
Attention: Clyde Galantine	First Sample #: 702-0872	

QC Batch Number: SP022197

8015EXA
TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit mg/kg	Sample I.D.
		702-0872 CS-1A-D

Extractable Hydrocarbons	1.0	550
--------------------------	-----	-----

Chromatogram Pattern: Diesel

Quality Control Data

Report Limit Multiplication Factor:	50
Date Extracted:	2/21/97
Date Analyzed:	2/25/97
Instrument Identification:	HP-3B

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Jim Bava
Jim Bava
Project Manager



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Gentler-Ryan Inc.
6747 Sierra Ct. Ste. J
Dublin, CA 94568
Attention: Clyde Galantine

Client Project ID: Chevron #9-4800
Sample Descript: Soil
Analysis for: Lead
First Sample #: 702-0872

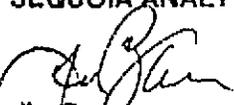
Sampled: Feb 18, 1997
Received: Feb 18, 1997
Digested: Feb 19, 1997
Analyzed: Feb 25, 1997
Reported: Feb 26, 1997

LABORATORY ANALYSIS FOR: Lead

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg	QC Batch Number	Instrument ID
702-0872	CS-1A-D	1.0	190	ME0219976010MDA	MV-4

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271


Jim Bava
Project Manager



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Gettler-Ryan Inc.
6747 Sierra Ct. Ste. J
Dublin, CA 94568

Client Project ID: **Chevron #9-4800**
Matrix: **Solid**

Attention: **Clyde Galantine**

QC Sample Group: **7020872**

Reported: **Feb 26, 1997**

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Diesel	Lead
QC Batch#:	SP021897	SP021897	SP021897	SP021897	SP022197	ME021997
	8020EXA	8020EXA	8020EXA	8020EXA	8015EXA	8010MDA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 3550	EPA 3050
Analyst:	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb	D. Sharma	K. Anderson
MS/MSD #:	7020529	7020529	7020529	7020529	7021064	7020691
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/18/97	2/18/97	2/18/97	2/18/97	2/21/97	2/19/97
Analyzed Date:	2/18/97	2/18/97	2/18/97	2/18/97	2/25/97	2/26/97
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5	HP-3B	MV-4
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg	10 mg/kg	50 mg/kg
Result:	0.38	0.36	0.40	1.1	8.9	19
MS % Recovery:	95	90	100	92	89	38
Dup. Result:	0.38	0.36	0.39	1.1	8.4	20
MSD % Recov.:	95	90	98	92	84	40
RPD:	0.0	0.0	2.5	0.0	5.8	5.1
RPD Limit:	0-25	0-25	0-25	0-25	0-50	0-20

LCS #:	5LCS021897	5LCS021897	5LCS021897	5LCS021897	LCS022197	LCS021997
Prepared Date:	2/18/97	2/18/97	2/18/97	2/18/97	2/21/97	2/26/97
Analyzed Date:	2/18/97	2/18/97	2/18/97	2/18/97	2/25/97	2/26/97
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5	HP-3B	MV-4
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	10 mg/kg	50 mg/lq
LCS Result:	19	17	19	53	8.6	48
LCS % Recov.:	95	85	95	88	86	96

MS/MSD LCS Control Limits	60-140	60-140	60-140	60-140	60-140	80-120
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Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL, #1271

Jim Bava
Jim Bava
Project Manager



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Gettler-Ryan
6747 Sierra Ct. Ste. J
Dublin, CA 94568
Attention: Clyde Galantine

Client Project ID: Chevron #9-4800
Sample Descript: STLC Extract of Solid
Analysis for: Lead
First Sample #: 702-0872

Sampled: Feb 18, 1997
Relogged: Feb 26, 1997
Digested: Feb 26, 1997
Analyzed: Mar 4, 1997
Reported: Mar 4, 1997

LABORATORY ANALYSIS FOR:

Lead

GENERAL CONTRACTORS

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
702-0872	CS-1A-10	0.020	8.9	ME022697STLCMDA	MV-4

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271


Jim Bava
Project Manager



Gettler-Ryan
6747 Sierra Ct. Ste. J
Dublin, CA 94568
Attention: Clyde Galantine

Client Project ID: Chevron #9-4800
Matrix: STLC Extract of Solid

QC Sample Group: 7020872

Reported: Mar 4, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Lead
QC Batch#:	ME022697 STLCMDA
Analy. Method:	EPA 200.7
Prep. Method:	STLC
Analyst:	J. Kelly
MS/MSD #:	7021425
Sample Conc.:	8.9 mg/L
Prepared Date:	2/26/97
Analyzed Date:	3/4/97
Instrument I.D.#:	MV-4
Conc. Spiked:	1.0 mg/L
Result:	9.9
MS % Recovery:	100
Dup. Result:	9.9
MSD % Recov.:	100
RPD:	0.0
RPD Limit:	0-20

LCS #:	LCS022697
Prepared Date:	2/26/97
Analyzed Date:	3/4/97
Instrument I.D.#:	MV-4
Conc. Spiked:	1.0 mg/L
LCS Result:	0.90
LCS % Recov.:	90

MS/MSD LCS Control Limits	80-120
--	--------

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL, #1271

Jim Bava
Project Manager



Sequoia Analytical

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FAX (916) 921-0100

Gettler-Ryan Inc.
6747 Sierra Ct. Ste. J
Dublin, CA 94568
Attention: Cyde Galantine

Client Project ID: Chevron #9-4800
Sample Descript: Water, TCLP
Analysis for: Lead
First Sample #: #7020872

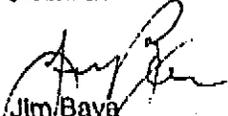
Sampled: Feb 18, 1997
Relogged: Mar 6, 1997
Digested: Feb 6, 1990
Analyzed: Mar 10, 1997
Reported: Mar 10, 1997

LABORATORY ANALYSIS FOR: Lead

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
#7020872	CS-1A-10	0.010	0.47	ME0307972007MDB	MV-4

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271


Jim Bava
Project Manager

#7020872.GGG <1>





Sequoia Analytical

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FAX (415) 364-9233
FAX (510) 988-9673
FAX (916) 921-0100

Gattler-Ryan Inc.
6747 Sierra Ct. Ste. J
Dublin, CA 94568
Attention: Cylda Galantine

Client Project ID: Chevron #9-4800
Matrix: Liquid. TCLP

QC Sample Group: 7020872

Reported: Mar 10, 1997

QUALITY CONTROL DATA REPORT

Analyte: Lead

QC Batch#: ME030797

2007MDB

Analy. Method: EPA 200.7

Prep. Method: EPA 200.7

Analyst: J. Kelly

MS/MSD #: 7030359

Sample Conc.: 0.47 mg/L

Prepared Date: 3/7/97

Analyzed Date: 3/10/97

Instrument I.D.#: MV-4

Conc. Spiked: 1.0 mg/L

Result: 1.4

MS % Recovery: 93

Dup. Result: 1.4

MSD % Recov.: 93

RPD: 0.0

RPD Limit: 0-20

LCS #: LCS030797B

Prepared Date: 3/7/97

Analyzed Date: 3/10/97

Instrument I.D.#: MV-4

Conc. Spiked: 1.0 mg/L

LCS Result: 1.0

LCS % Recov.: 100

MS/MSD

LCS

80-120

Control Limits

Please Note:

The LCS is a control sample of known, Interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL, #1271

Jim Bava
Jim Bava
Project Manager

ATTACHMENT D

Use of Uniform Hazardous Waste Manifest Form Approved OAS No. 2050-003F (Expires 9-30-96) Please print or type. Form designed for use on 8 1/2 inch paper.

See Instructions on back of page 6.

Department of Toxic Substances Control Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8602; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA L 0 0 0 0 3 1 8 7 8	Monitor Document No. 2 6 5 4 5	2. Page 1 of 1	Information in the shaded area is not required by Federal law.
3. Generator's Name and Mailing Address CHEVRON P.O. BOX 5004 SAN RAMON, CA 94583 Generator's Phone: 610 842-0134			C/O PHIL BRIGGS 4249-4800 1700 CASTRO STREET OAKLAND, CA		A. State Manifest Document Number 96776545
5. Transporter 1 Company Name ALLIANCE TRANSPORTATION & REMEDIATION INC.			C A L 0 1 6 3 5 4 7 9 8 6		B. State Generator's ID HYUC36027483
7. Transporter 2 Company Name <i>Cross Trucking</i>					C. State Transporter's ID
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT, INC. 35251 OLD BAYLINE ROAD METHUEN CITY, CALIF. 95239			C A T 0 0 0 6 4 6 1 1 7		D. Transporter's Phone (408) 653-0447
					E. State Transporter's ID
					F. Transporter's Phone 707 923-1403
					G. State Facility's ID CAT00646117
					H. Facility's Phone 800/722-2084
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		17. Container No.	18. Total Quantity	19. Unit Wt/Vol	20. Waste Number
NON-RCRA HAZARDOUS WASTE, SOLID (HYDROCARBON SOIL)		001D	100	18	811 EPA/Other: NON-RCRA
12. Additional Description for Materials Listed Above		E. Handling Code for Waste Listed Above			
11A CR61R HYDROCARBON SOILS		03			
13. Special Handling Instructions and Additional Information		R.R.C. # 11a. 171			
SERVICE ORDER# 9053284/SERVICE CODE #2702820		24 HOUR EMERGENCY CONTRACT-TOM BAINE/1-800-231-0823 WEAR PROTECTIVE CLOTHING & RUBBER			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this containment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.					
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. Or, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Michael Rosullivan For		Signature M. Rosullivan For		Month Day Year 01/21/97	
17. Transporter 1 Acknowledgment of Receipt of Materials		Signature M. Rosullivan		Month Day Year 01/21/97	
18. Transporter 2 Acknowledgment of Receipt of Materials		Signature M. Rosullivan		Month Day Year 01/21/97	
19. Discrepancy Indication Space					
20. Facility Director/Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Signature W. Conroy		Month Day Year 03/12/97	

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPII, CALL THE NATIONAL RESPONSE CENTER 1-800-424-9802; WITHIN CALIFORNIA, CALL 1-800-852-7350

1. Generator's US EPA ID No. **CAL00003187876546** Manifest Document No. **96776546** 2. Page 1 of 1
 Information in this section is not required by Federal law.

3. Generator's Name and Mailing Address: **CHEVRON**
P.O. BOX 5004
SAN RAMON, CA 94583
 4. Generator's Phone: **(610) 842-8134** C/O PHIL BRIGGS
 5. US EPA ID Number: **CA D 0 0 3 1 8 7 8 7 6 5 4 6**

6. Transporter 1 Company Name: **ALLWASTE TRANSPORTATION & REMEDIATION INC.**
 7. US EPA ID Number: **CA D 0 0 3 5 4 7 9 9 6**
 8. Transporter's Phone: **(408) 683-0447**

9. Designated Facility Name and Site Address: **CHEMICAL WASTE MANAGEMENT, INC.**
35261 OLD BUCKLEBY ROAD
KETTLEMAN CITY, CALIF. 92339
 10. US EPA ID Number: **CA T 0 0 0 6 4 8 1 1 7**
 11. Facility's Phone: **800/222-2964**

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Container		13. Total Quantity	14. Unit Wt/Vol	15. Waste Number
	No.	Type			
NON-FLAMMABLE HAZARDOUS WASTE, SOLID (HYDROCARBON SOIL)	001	D, TC, 9C18		Y	011 EPA/Other: NON-RCR
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

16. Additional Descriptions for Materials Listed Above: **11a 088618 HYDROCARBON SOILS**
 17. Handling Codes for Wastes Listed Above: **03**

18. Special Handling Instructions and Additional Information: **SERVICE ORDERS 9053284/SERVICE CODE #ZZ02820**
24 HOUR EMERGENCY CONTRACT-TOM BAINE/1-800-231-0823
WEAR PROTECTIVE CLOTHING & RESPIRATOR
E.R.G. # 11a. 171

19. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this assignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. Or, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **Michael P. Sullivan** Signature: *[Signature]* Date: **01/31/97**

20. Transporter 1 Acknowledgment of Receipt of Materials: Printed/Typed Name: **L. L. Minicucci** Signature: *[Signature]* Date: **01/21/97**

21. Transporter 2 Acknowledgment of Receipt of Materials: Printed/Typed Name: Signature: Date:

22. Facility Operator Acknowledgment of Receipt of Hazardous Materials: Printed/Typed Name: Signature: Date: **03/29**

DO NOT WRITE BELOW THIS LINE.