



ENGINEERING CORP.

***Removal Action
Sampling and Testing Results***

***4311-4333 Macarthur Boulevard
Oakland, California***

Submitted To:

***Mr. Donald E. Flaner, Jr.
M. Douglas Construction, Inc.
1101 Northgate Road
Walnut Creek, CA 94598***

December 2004

Civil,
Environmental
& Water
Resources



December 1, 2004
(Revised January 6, 2005)

Mr. Donald E. Flaner, Jr., President
M. Douglas Construction, Inc.
1101 Northgate Road
Walnut Creek, CA 94598

Alameda County
MAY 02 2005
Environmental Health Services

Subject: Removal Action Sampling and Testing Results for 4311-4333 Macarthur Boulevard, Oakland, California

Dear Mr. Flaner:

This letter presents results of sampling and testing during removal of petroleum hydrocarbon (diesel and motor oil) contaminated soils at 4311-4333 Macarthur Boulevard in Oakland, California. The Removal Action was performed to remove contaminated soils as ordered by the Department of Toxic Substances Control in their letter dated July 6, 2004 to the property owner Mr. Alex Hahn. The letter required that contaminated soil be excavated and off-hauled from the site to a Class II landfill. Based on the levels of contaminants detected in the JMK Environmental results (Phase II Investigation), the DTSC required that contaminated soils from the site be removed to lower concentrations of motor oil and diesel below the Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs) for Commercial/Industrial sites. The unrestricted residential site ESL for TPH as Motor Oil is 500 mg/kg and for TPH as diesel is 100 mg/kg (Table A, Volume 1 ESL levels, RWQCB, July 2003, updated February 2004).

INTRODUCTION

The project site is located at 4311-4333 Macarthur Boulevard in the City of Oakland, California at the southwest corner of High Street and Macarthur Boulevard. The generally gently sloping site was previously the site of a strip mall, which included an automotive service business (Roberts Tire Facility). JMK Environmental performed ~~Phase 1~~ Phase 2 Environmental Site Assessments for the property. Results of these investigations were presented in reports dated March 16 and March 24, 2004 and are available for review at the DTSC office in Berkeley, California. Sampling and testing results from this report indicated that Total Petroleum Hydrocarbons (TPH) as motor oil were present at levels ranging from 830 mg/kg to 8,500 mg/kg immediately below concrete and asphalt, and at 2 feet below ground surface at concentrations ranging from 1,600 to 2,200 mg/kg in localized areas. **Table 1** presents a summary of the JMK Environmental testing results as determined by Severn Trent Laboratories, Inc. The Plot Plan is attached as **Figure A**. During our site review, we noted that the Site Plot Plan

does not match the dimensions of the project site, making identification of the JMK sample locations difficult. The plot plan shows a scale bar for 100 feet, but elsewhere says it is not to scale.

In July of 2004, M. Douglas Construction Inc., under contract with Mr. Alex Hahn, performed demolition of asphalt concrete pavement and Portland cement concrete slabs-on-grade present at the site. It was at this time that Questa was retained to provide consulting services during removal of contaminated soils present at the subject property.

PRE-REMOVAL ACTION SITE INVESTIGATION AND ANALYTICAL TESTING

Prior to initiation of soil removal activities, a site investigation was performed to confirm the levels of contamination present at the site and to verify the location of the contamination requiring removal. This work was also performed to collect composite samples for testing to obtain landfill disposal approval.

Preliminary Sampling

Questa Engineering Corporation and M. Douglas Construction completed a field investigation on August 2, 2004, that included the following:

- Hand auguring and machine auguring of ten holes varying in depth from the surface to as much as 9 feet below the ground surface.
- Sampling of soils from several depths in the augur holes.
- Collection of composite soil samples from the augur holes.

Samples included fill and native soils. Sample locations are shown on **Figure 1**, a site plan developed from review of aerial photographs of the site and vicinity.

Samples collected during hand auguring and drilling were transferred from the stainless steel auger directly into pre-cleaned glass jars using stainless steel implements. Samples containers were immediately sealed, labeled, and logged onto chain of custody forms, then were placed in a cooler on blue ice. Chain of custody documentation was maintained from collection until delivered to the State-certified analytical testing laboratory.

Decontamination procedures were followed during the soil collection process. Sampling implements and tools were decontaminated using a three-step process. The first step consisted of cleaning in a solution of tap water and non-phosphate detergent with a brush for scrubbing. The second and third steps were tap water rinses to remove any residual

cleaning solution. Used decontamination water was transferred into a plastic bucket for appropriate disposal. Augers were decontaminated using tap water and brushes.

Analytical Testing

Total petroleum hydrocarbons as diesel and waste oil were analyzed by EPA Method 8015B. Results of analytical testing are summarized on **Table 2**. The complete laboratory testing reports are presented in **Appendix A** along with QA/QC results and chain-of-custody forms. Composite soil samples were also tested for landfill acceptance criteria. This testing included CAM 17 metals, TPH as gasoline including the constituents benzene, toluene, ethylbenzene and xylenes, TPH as diesel and motor oil, and volatile organic compounds. These results are also presented in **Appendix A**.

REMOVAL ACTION EXCAVATION

Based on our review of the data provided by the DTSC, as well as our pre-excitation sampling and testing of contaminated soils from the site, the areas requiring soil removal were identified for excavation. The removal action was preceded by removal of asphalt pavement and concrete slabs. C. Stevens Grading and Paving performed excavation work. C. Stevens, a 40-hour Hazwoper trained Operator, completed the excavation work.

The initial excavation of the site as performed in October 2004 (approximately October 18 to October 22) involved removal of approximately 1.0 to 1.5 feet of soil from the entire site as part of the overall development plan for the site. This was followed by focused removal of contaminated soil in the areas A, B and C as shown on the attached **Figure 2**, which shows excavation limits and sample locations. The first of these areas excavated (Area A) was completed on October 22, 2004 and extended to a depth of 3.5 to 4.0 feet below the original ground surface. Confirmatory samples (QE1 through QE10) were collected following completion of the excavation of Area A. Sample results as summarized on **Table 3** indicated that two areas, Areas B and C, required additional soil removal to achieve the cleanup goals for the site. Sample areas showing elevated concentrations that were subsequently removed included QE1@0.0', QE2@1.0', and QE8@1.0'.

Excavation Area B was completed on November 5, 2004 and extended to depths of 1.5 to 3.0 feet below the original ground surface. Sample results and depths for Area B are presented on **Table 3** and include samples QE11 through QE16 sampled at depths ranging from 1.5 feet to 3.0 feet below ground surface. Concentrations of contaminants were below the cleanup goals in all of these samples. Excavation Area C was completed on November 12, 2004 and extended to a depth of approximately 1.0 to 2.0 feet below original ground surface. A single confirmatory sample was collected from this area, QE17, at a depth of approximately 2 feet below original ground surface. No detectable concentrations of contaminants were detected as summarized on **Table 3**.

The stockpile areas where contaminated soils were temporarily stockpiled were also sampled and tested to confirm that cleanup goals were met. Samples QST-1 and QST-2 were collected from the former stockpile locations at depths of approximately one foot below original ground surface on November 12, 2004. Sample QST-2 contained motor oil at 720 mg/kg, which is above the residential ESL. This area was over-excavated an additional six inches, to approximately 1.5 feet below original ground surface and confirmatory sample QST-3 was collected. QST-3 results were below the residential ESL.

All final testing results indicate that TPH as diesel is below 100 mg/kg and TPH as motor oil is below 500 mg/kg, the Cleanup Goals based on the RWQCB ESLs for Residential sites. **Table 3** presents a summary of the testing results and comparison to the ESLs.

During the initial soil removal excavation, a small waste oil tank of approximately 100 gallons or less was found and accidentally punctured by the heavy equipment. This tank was located in the vicinity of sample QE5 as shown on **Figure 2** and extended to a depth of approximately 2.5 feet below original ground surface. The tank contained groundwater with a film of floating waste oil. After being punctured during excavation, the tank contents drained into the excavation. The empty tank was removed from the ground and placed on plastic sheeting, covered in two layers of plastic sheeting and soil berms were placed around the removed tank to prevent storm water from infiltrating the removed tank. Soil from beneath the tank was excavated to depths of approximately 4.0 feet below original ground surface, or 1.5 feet below the tank elevation. Soil was also excavated in all horizontal directions for a minimum of 25 feet from the tank location. Sample QE5 at 4.0 feet was collected from beneath the former tank location. The results of this sample are summarized on **Table 3**. Concentrations of contaminants in the confirmatory sample are below the ESLs.

The City of Oakland Fire Department was contacted and Fire Department personnel indicated that a permit for removal of an underground storage tank would be required. The permit application and other required information were to be forwarded to Questa for completion on behalf of the owner. To date, no permit application or other information has been received from the City of Oakland Fire Department. Using simple green cleaner and pressure washing the tank with a triple rinse of water cleaned the tank. M. Douglas Construction and subcontractors removed the tank from the site for recycling of the tank metal. The tank was transported to the Martinez Transfer Station in Martinez, California where it was accepted for recycling.

Removal Action Sampling

Samples were collected using stainless steel sampling implements with soil immediately transferred into pre-cleaned glass jars. Jars were immediately sealed with lined plastic screw caps, labeled, logged onto chain of custody forms, and placed in a cooler on blue ice. Decontamination procedures were followed between sample collections as described above under ***Preliminary Sampling***.

Removal Action Analytical Testing

Samples collected during the excavation process were analyzed by EPA Method 8015m for TPH as diesel and motor oil with silica gel cleanup by Curtis and Tompkins, Ltd. of Berkeley, California. Complete laboratory testing results and chain of custody forms for the Removal Action are presented in **Appendix B**.

Soil Disposition


All soil removed from the subject property was hauled by truck to Vasco Road Landfill's Class II landfill facility in Alameda County, California, northeast of the City of Livermore. Copies of soil manifests are presented in **Appendix C**. A total of approximately 5,000 tons of soil was off-hauled from the site and disposed of at Vasco Road Landfill.

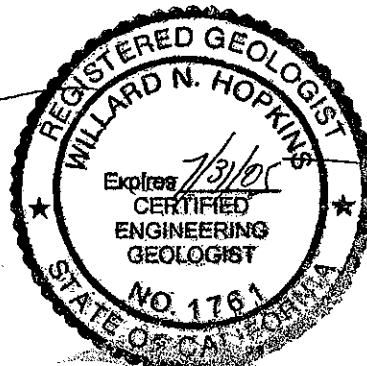
CONCLUSIONS

Based on results of our observations, sampling and testing during removal of TPH as diesel and motor oil contaminated soils from the subject site, the remaining concentrations of TPH as diesel and motor oil are below the identified cleanup goals, 100 mg/kg TPH as diesel and 500 mg/kg TPH as motor oil. The cleanup goals used for the site are the published RWQCB Environmental Screening Levels (ESLs) for Residential sites with shallow soil contamination less than 3 meters below ground surface as presented in Table A of the July 2003 (updated February 2004) report. Since groundwater is not a current or potential source of drinking water in the area, the less restrictive levels of Table B, 500 mg/kg TPH as diesel and 500 mg/kg TPH as motor oil, could also be applied. In either case, the site cleanup has reduced the level of contamination below the residential site ESLs. The current development plan for the property calls for complete encapsulation of the site under Class 2 aggregate base rock that will be covered with asphalt concrete pavement and concrete slabs on grade. The site will be developed for Commercial Land Use under the current plan. However, based on the ESLs and the results of the sampling and testing, the site has unrestricted land use for future development.

We trust this is the information you require at this time. Should you require additional information please contact the undersigned at (510) 236-6114, extension 222.

Sincerely,


Willard N. Hopkins, CEG
Senior Engineering Geologist



Ref: 240126_rastr_rev

TABLES

Table 1. Results of TPH as diesel and motor oil sampling and testing from JMK Environmental and Severn Trent Laboratories, Inc.

SAMPLE NUMBER AND DEPTH (FT)	TPH DIESEL (mg/kg) EPA 8015 modified	TPH MOTOR OIL (mg/kg) EPA 8015B
S1 Surface	290	1900
S2 Surface	16	220
S3 Surface	47	800
S4 Surface	570	8500
S5 Surface	34	830
S6 Surface	41	790
S7 Surface	250	3500
S8 Surface	190	1900
S1-2'	3.8	<50
S1-4.5'	<1.0	<50
S2-2'	92	2200
S2-4.5'	<1.0	<50
S3-2'	100	1900
S3-4.5'	<1.0	<50
S4-2'	87	1,600
S4-4.5'	1.2	<50
S5-2'	1.5	<50
S5-4.5'	<1.0	<50
S6-2'	<1.0	<50
S6-4.5'	<1.0	<50
S7-2'	4.2	<50
S7-4.5'	<1.0	<50
S8-2'	2.7	<50
S8-4.5'	2.2	<50
Environmental Screening Levels (ESLs), SF Bay RWQCB, July 2003 (Updated February 2004)	100	500

Table 2. Results of Pre-removal Action Sampling and Testing for TPH as diesel and motor oil, sampling by Questa Engineering Corp. and analytical testing by Curtis and Tompkins Ltd.

SAMPLE NUMBER AND DEPTH (FT)	TPH DIESEL (mg/kg) EPA 8015 modified	TPH MOTOR OIL (mg/kg) EPA 8015B
Q1 0.5'	82	180
Q2 0.5'	2.8	10
Q2 2.0'	<0.99	<5.0
Q3 0.5'	34	110
Q3 2.5'	<1.0	8.7
Q4 0.5'	14	63
Q4 2.0'	20	130
Q4 4.0'	24	140
Q4 6.5'	<1.0	<5.0
Q4 8.5'	<1.0	<5.0
Q5 0.5'	190	440
Q5 4.0'	8.2	17
Q6 2.5'	27	390
Q6 6.0'	3	26
Q7 3.0'	250	2,200
Q7 4.5'	20	160
Q7 8.5'	3.5	5.9
Q9 1.0'	14	83
Q9 3.5'	<1.0	<5.0
COMPOSITE 1 (Q1@0.0-0.5', Q2@0.0-2.0', Q3@0.0-2.5', Q4@0.0-2.0', Q5@0.0-2.0')	16	64
COMPOSITE 2 (Q4@2.0-4.0', Q5@2.0-4.0', Q6@0.0 to 6.0', Q7@0.0-4.5', Q9@0.0' to 3.5')	270	1,400
Environmental Screening Levels (ESLs), SF Bay RWQCB, July 2003 (Updated February 2004)	100	500

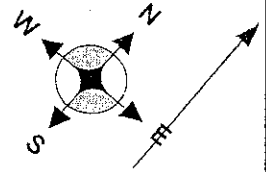
Table 3. Post-excavation Results for TPH as diesel and motor oil, sampling by Questa Engineering Corp. and analytical testing by Curtis and Tompkins Ltd.

SAMPLE NUMBER AND DEPTH (FT)	TPH DIESEL (mg/kg) EPA 8015 modified	TPH MOTOR OIL (mg/kg) EPA 8015B	Comments
QE1@0.0'	360	860	Excavated, see QE17
QE2@1.0'	200	830	Re-excavated. See QE12
QE2@2.5'	11	21	
QE3@1.0'	1.2	8.2	
QE3@3.0'	<1.0	5.2	
QE4@4.0'	<1.0	6.4	
QE5@4.0'	64	400	
QE6@1.5'	4.4	26	
QE6@3.5'	<1.0	<5.0	
QE7@2.0'	<1.0	<5.0	
QE8@1.0'	420	1,900	Re-excavated. See QE15
QE9@0.5'	<1.0	<5.0	
QE10@1.5'	<1.0	8.9	
QE11 (@1.5')	1.9	22	
QE12 (@3.0')	68	160	
QE13 (@2.0')	28	160	
QE14 (@2.0')	86	290	
QE15 (@2.0')	90	340	
QE16 (@1.5')	45	340	
QE17 (@2.0')	<1.0	<5.0	
QST-1 (@1.0')	1.5	8.6	
QST-2 (@1.0')	94	720	Over-excavated, see QST-3
QST-3 (@1.5')	29	260	
Environmental Screening Levels (ESLs), SF Bay RWQCB, July 2003 (Updated February 2004)	100	500	

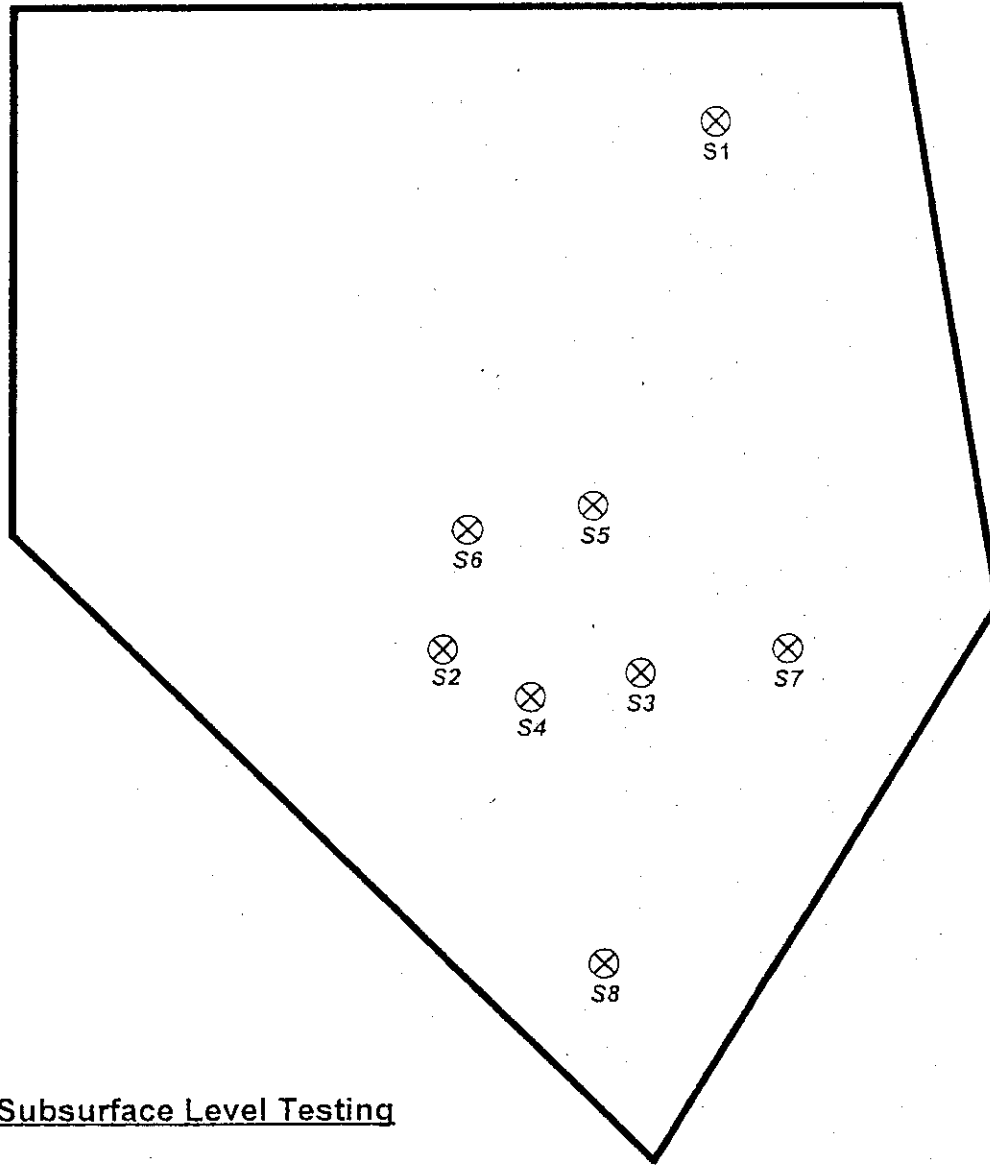
FIGURES

FIGURE A
SITE PLOT PLAN

High Street



MacArthur Boulevard



Subsurface Level Testing

⊗ Pre-approved Boring Location

———— Scale 100 ft

Phase II Environmental Site Assessment

Roberts Tire Facility
4311-4333 MacArthur Blvd., Oakland, CA 94619

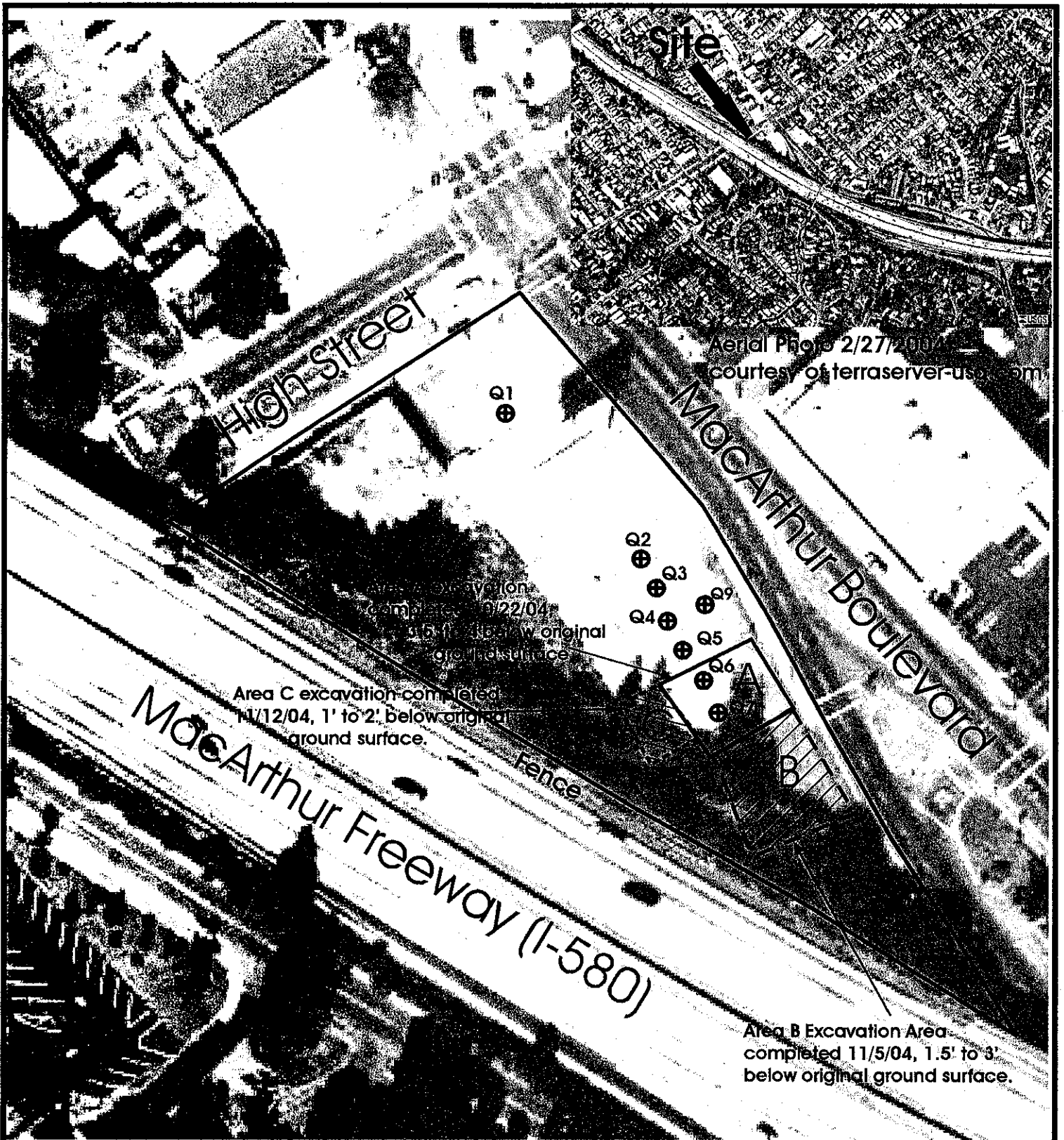
Not to scale

March 19th, 2004

SII-13491

JMK ENVIRONMENTAL

Environmental Engineering & Consulting Services
1030 N. Maclay Avenue, San Fernando, CA 91340
(818) 979-0010, FAX (818) 979-0020
www.phase1report.com



Q1 Pre-Excavation Soil Sample Location.



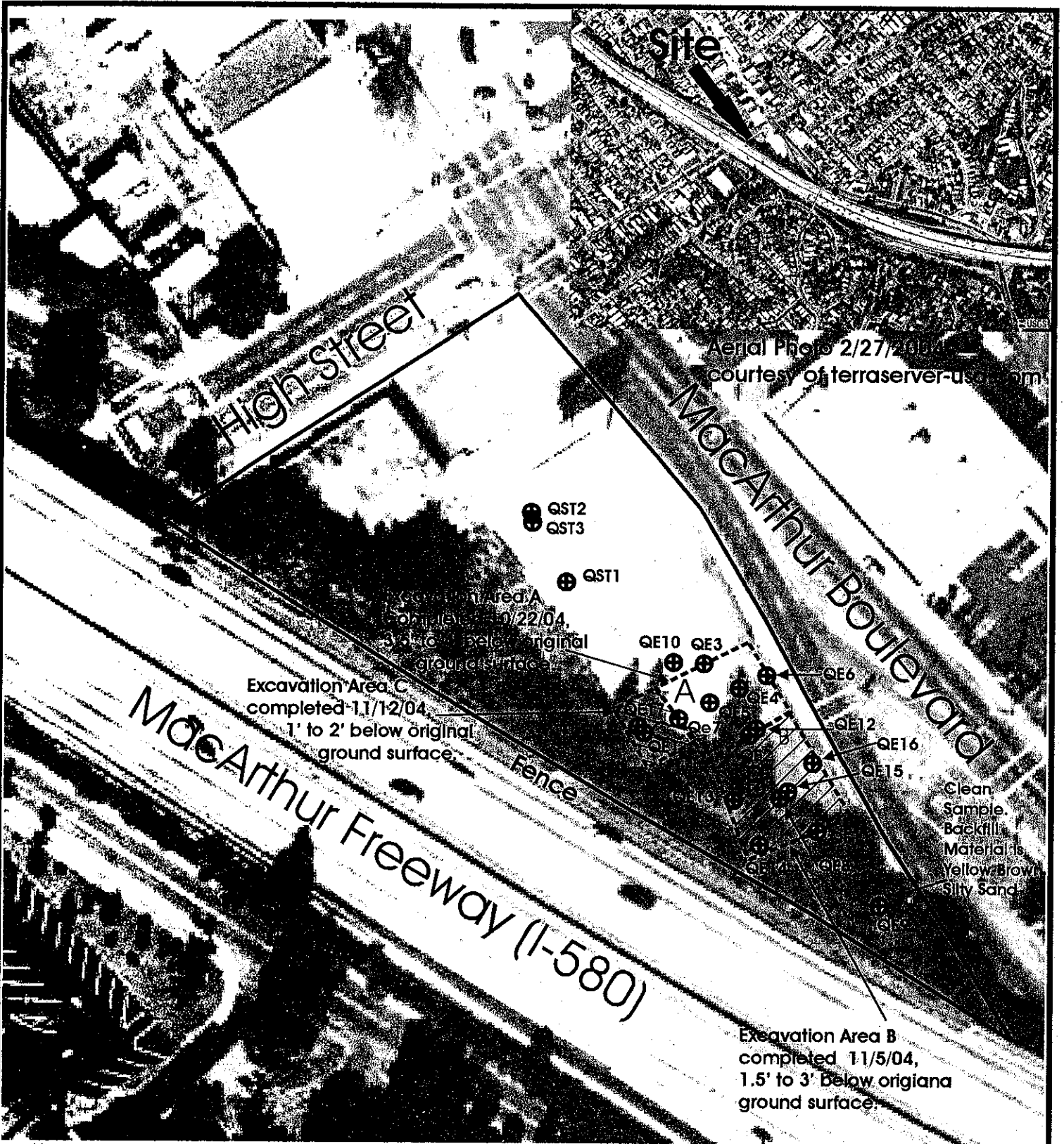
Date: 11/08/04
 Drawn: JF
 App'd: WH
 Dwg. No. 240126B

QUESTA
 ENGINEERING CORP.
 CMI Environmental & Water Resources
 P.O. Box 70366 1220 Bickyard Cove Road Point Richmond, CA 94807
 (925) 234-1314
 Fax: (925) 234-2020
 questae@questacorp.com

Pre-Excavation Site Plan
 4311-4333 MacArthur Blvd.
 Oakland, CA

FIGURE

1



Aerial Photo 2/27/2004
courtesy of terraserver-usa.com

Excavation Area A
completed 10/22/04,
3' to 6' below original
ground surface.

Excavation Area C
completed 11/12/04,
1' to 2' below original
ground surface.

Excavation Area B
completed 11/5/04,
1.5' to 3' below original
ground surface.

Clean
Sample
Backfill
Materials
Yellow/Brown
Silty Sand



GST1
⊕ Temporary Stockpile
Area Sample

QE1
⊕ Excavation Grab Sample

0 50 100 ft

Date: 11/16/04
Drawn: JF
Apprd: WH
Dwg. No. 240126C

QUESTA
ENGINEERING CORP.
R.O. Box 70356 1220 Brickyard Cove Road Point Richmond, CA 94807

Civil
Environmental
& Water Resources

(925) 236-0114
fax (925) 236-0423
www.questaeng.com

Excavation Limits / Sample Locations
4311-4333 MacArthur Blvd.
Oakland, CA

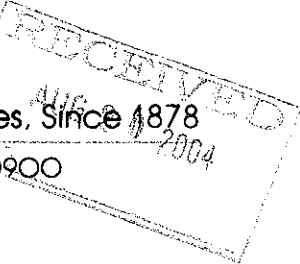
FIGURE
2

Appendix A



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

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



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

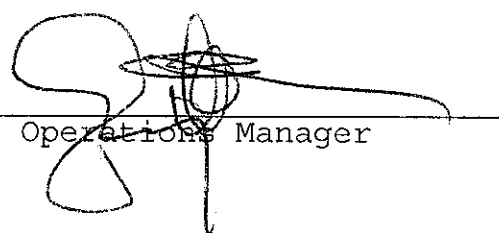
Prepared for:

Questa Engineering Corporation
1220 Brickyard Cove Road
Suite 206
Point Richmond, CA 94801

Date: 18-AUG-04
Lab Job Number: 173909
Project ID: STANDARD
Location: MacArthur, Oakland

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

Reviewed by: 
Project Manager

Reviewed by: 
Operations Manager

This package may be reproduced only in its entirety.

173904

Client: <i>M. Douglas Construction, Inc.</i>	Report To: <i>Questa</i>	Site Name: <i>4311-4333 MacArthur Blvd., Oakland</i>
Address: <i>1101 Northgate Road Walnut Creek, CA 94598</i>	Bill To: <i>Questa</i>	Project Manager: <i>W. Hopkins</i>
	Billing Reference: <i>MacArthur, Oakland</i>	Requested Due Date: <i>Normal Turnaround (8-16-04)</i>
	Project No.: <i>240126</i>	

Phone: <i>(925) 932-3559</i>	PRESERVATIVES		ANALYSES REQUEST		REMARKS						
Sampled by (Print): <i>W. Hopkins/J. Farrow</i>	<i>No. OF CONTAINERS</i>	<i>UNPRESERVED</i>	<i>H₂SO₄</i>	<i>HNO₃</i>	<i>VOA</i>						
Sampler Signature: <i>W. Hopkins</i>											
Date Sampled: <i>8-02-04</i>											

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	CONT. TYPE	No. OF CONTAINERS	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	TPH/Low/BTEX	TPH/High/Imp.	W/Silica/Col	Chlor 17	VOCs	REMARKS
1.	<i>COMP 1 (Q1-Q5)</i>		<i>Soil</i>	<i>Glass</i>	<i>1</i>					<i>X</i>	<i>X</i>	<i>X</i>	<i>H</i>	<i>H</i>	<i>Homogenize sample</i>
2.															
3.															<i>H - hold until instructed to analyze</i>
4.															
5.															
6.															
7.															
8.															
9.															

COOLER NOS.	BAILERS	SHIP OUT DATE	RETURNED DATE	ITEM NO.	RELINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
					<i>W. Hopkins / Questa</i>	<i>Lavanna / C&T</i>	<i>8/10/04</i>	<i>1245</i>

Additional Comments:

Rinsed
 Gold
 Ambient
 Intact

Questa Engineering Corporation
 P.O. Box 70356
 1220 Brickyard Cove Road
 Point Richmond, CA 94807
 Phone: (510) 236-6114
 FAX: (510) 236-2423

CHAIN-OF-CUSTODY RECORD
ANALYTICAL REQUEST

1220 Brickyard Cove Road, Suite 206
Richmond, California 94807
Phone: 510-236-6114
Fax: 510-236-2423



Fax Transmittal

To: Ms. Pat Flynn

From: Will Hopkins

Curtis and Tompkins

Fax: 486-051232

FAXED
Date: August 10, 2004

Phone:

Pages: 2

Re:

CC:

Urgent For Review Please Comment Please Reply Please Recycle

•Comments:

Hi Pat,

Attached is the revised Chain of custody and analytical test request form.

Sincerely,

Will Hopkins, CEG

Senior Engineering Geologist

175209

Client: <i>M. Douglas Construction, Inc.</i>	Report To: <i>Questa</i>	Site Name: <i>-4311-4333 MacArthur Blvd., Oakland</i>
Address: <i>1101 Northgate Road Walnut Creek, CA 94598</i>	Bill To: <i>Questa</i>	Project Manager: <i>W. Hopkins</i>
	Billing Reference: <i>MacArthur, Oakland</i>	Requested Due Date: <i>Normal Turnaround (8-17-04)</i>
	Project No.: <i>240126</i>	

Phone: *(925) 932-3559*

Sampled by (Print): *W. Hopkins/D. Farrow*

Sampler Signature: *W. Hopkins*

Date Sampled: *8-02-04*

PRESERVATIVES					ANALYSES REQUEST					REMARKS
---------------	--	--	--	--	------------------	--	--	--	--	---------

NO. OF CONTAINERS	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	Gold	As	Pb	Cd	Hg	Cr	Mn	Ni	Co	Zn	Mo	Se	Ag	Cu	Fe	Al	S	Cl	F	Br	I	U	Th	Uranium	Plutonium	Other	REMARKS
1					+	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Homogenize sample
																														H - hold until we instructed to analyze	

COOLER NOS	BAILERS	SHIP OUT DATE	RETURNED DATE	ITEM NO	RELINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
					<i>W. Hopkins / Questa</i>	<i>Karanna / C&T</i>	<i>8/10/04</i>	<i>1245</i>

Additional Comments:

Received
 On Ice
 Ambient
 Intact

Questa Engineering Corporation
 P.O. Box 70356
 1220 Brickyard Cove Road
 Point Richmond, CA 94807
 Phone: (510) 236-6114
 FAX: (510) 236-2423

CHAIN-OF-CUSTODY RECORD
ANALYTICAL REQUEST

Aug 11 04 11:47a

questa

5102362423

P.2

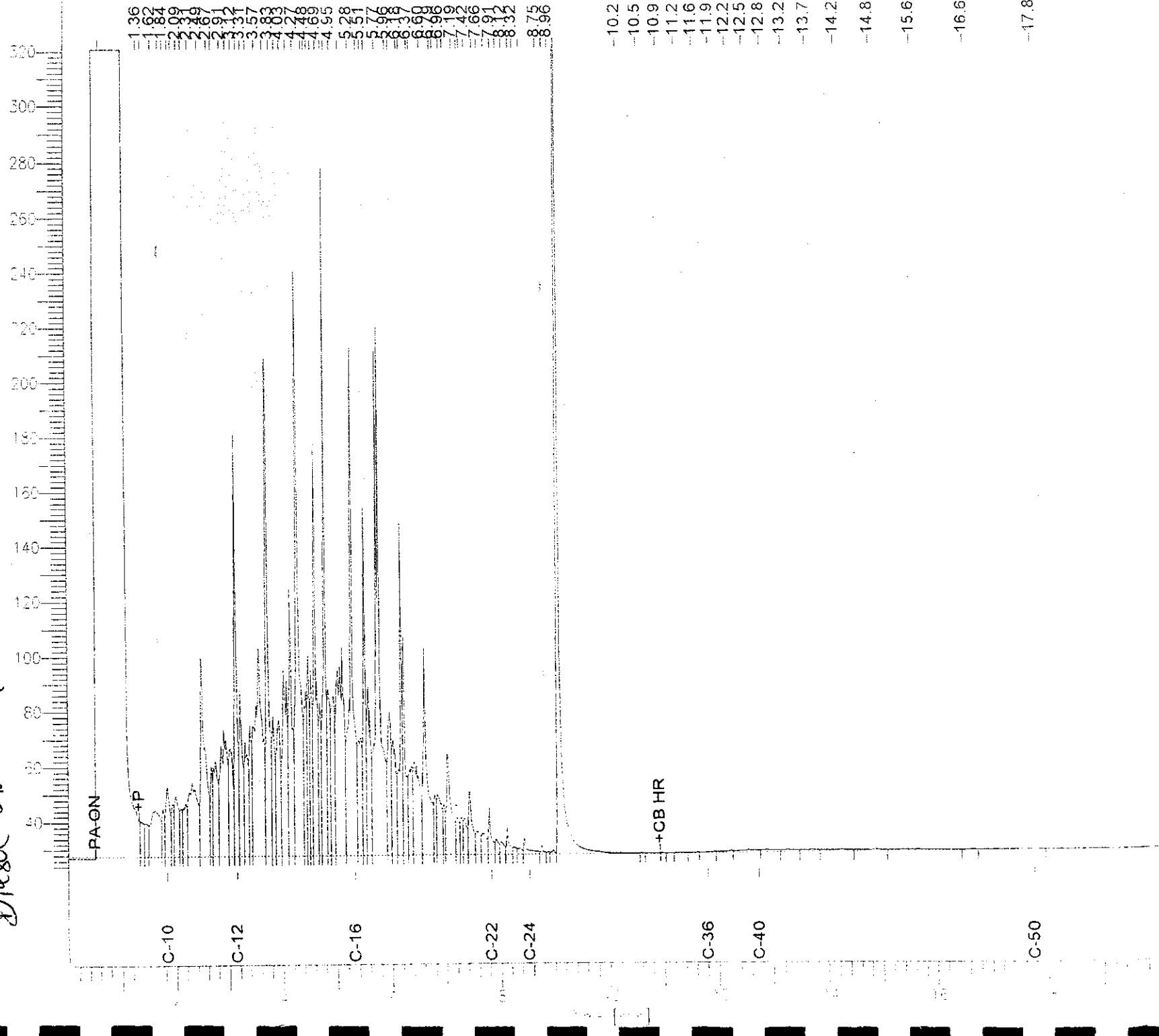
Chromatogram

Sample Name : cev_04ws1410_dsl
Date : 8/13/04 04:28 PM
Time of Injection: 8/13/04 03:50 PM
Low Point : 2.10 mV
High Point : 320.69 mV
Scale Factor: 0.0
Cell Time : 19.99 min
Plot Offset: 22 mV

Page 1 of 1

Diesel Standard

Response (uV)



Chromatogram

Sample Name : ccv.04ws1425.mo
FileName : G:\GC15\CHBY2268004.RAW
Method : RTEH2245.MTH
Scan Time : 0.01 min
Scale Factor: 0.0

End Time : 19.99 min
PLOT OFFSET: 18 mV

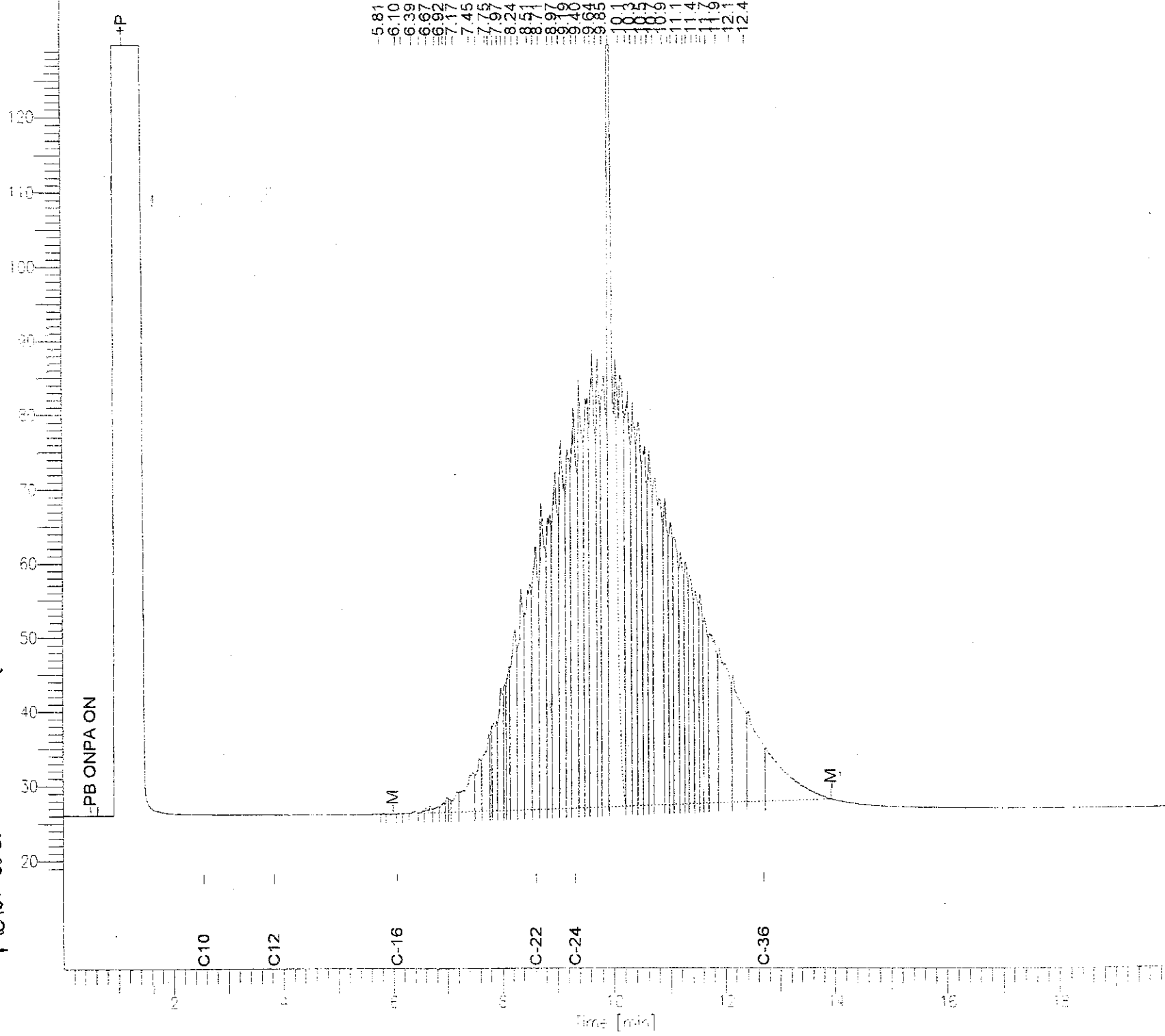
Sample #: 516674

Page: 1 of 1

Date : 8/13/04 04:47 AM
Time of Injection: 25.1733 04:15:12
Low Point : 15.12 mV High Point : 128.92 mV
Plot Scale: 111.7 mV

Motor Oil Standard

Response (mV)



Batch QC Report

Total Extractable Hydrocarbons

Lab #:	173909	Location:	MacArthur, Oakland
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC261211	Batch#:	93751
Matrix:	Soil	Prepared:	08/13/04
Units:	mg/Kg	Analyzed:	08/13/04
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.33	54.67	109	56-134

Surrogate	%REC	Limits
Hexacosane	113	55-134



Purgeable Organics by GC/MS

Lab #:	173909	Location:	MacArthur, Oakland
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	COMP 1 (Q1-Q5)	Basis:	as received
Lab ID:	173909-001	Sampled:	08/02/04
Matrix:	Soil	Received:	08/10/04
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	9.1	0.9091	93704	08/12/04
Chloromethane	ND	9.1	0.9091	93704	08/12/04
Vinyl Chloride	ND	9.1	0.9091	93704	08/12/04
Bromomethane	ND	9.1	0.9091	93704	08/12/04
Chloroethane	ND	9.1	0.9091	93704	08/12/04
Trichlorofluoromethane	ND	4.5	0.9091	93704	08/12/04
Acetone	ND	500	25.00	93727	08/14/04
Freon 113	ND	4.5	0.9091	93704	08/12/04
1,1-Dichloroethene	ND	4.5	0.9091	93704	08/12/04
Methylene Chloride	ND	18	0.9091	93704	08/12/04
Carbon Disulfide	ND	4.5	0.9091	93704	08/12/04
MTBE	ND	4.5	0.9091	93704	08/12/04
trans-1,2-Dichloroethene	ND	4.5	0.9091	93704	08/12/04
Vinyl Acetate	ND	45	0.9091	93704	08/12/04
1,1-Dichloroethane	ND	4.5	0.9091	93704	08/12/04
2-Butanone	ND	9.1	0.9091	93704	08/12/04
cis-1,2-Dichloroethene	ND	4.5	0.9091	93704	08/12/04
2,2-Dichloropropane	ND	4.5	0.9091	93704	08/12/04
Chloroform	ND	4.5	0.9091	93704	08/12/04
Bromochloromethane	ND	4.5	0.9091	93704	08/12/04
1,1,1-Trichloroethane	ND	4.5	0.9091	93704	08/12/04
1,1-Dichloropropene	ND	4.5	0.9091	93704	08/12/04
Carbon Tetrachloride	ND	4.5	0.9091	93704	08/12/04
1,2-Dichloroethane	ND	4.5	0.9091	93704	08/12/04
Benzene	ND	4.5	0.9091	93704	08/12/04
Trichloroethene	ND	4.5	0.9091	93704	08/12/04
1,2-Dichloropropane	ND	4.5	0.9091	93704	08/12/04
Bromodichloromethane	ND	4.5	0.9091	93704	08/12/04
Dibromomethane	ND	4.5	0.9091	93704	08/12/04
4-Methyl-2-Pentanone	ND	9.1	0.9091	93704	08/12/04
cis-1,3-Dichloropropene	ND	4.5	0.9091	93704	08/12/04
Toluene	ND	4.5	0.9091	93704	08/12/04
trans-1,3-Dichloropropene	ND	4.5	0.9091	93704	08/12/04
1,1,2-Trichloroethane	ND	4.5	0.9091	93704	08/12/04
2-Hexanone	ND	9.1	0.9091	93704	08/12/04
1,3-Dichloropropane	ND	4.5	0.9091	93704	08/12/04
Tetrachloroethene	ND	4.5	0.9091	93704	08/12/04
Dibromochloromethane	ND	4.5	0.9091	93704	08/12/04

ND= Not Detected

RL= Reporting Limit

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Purgeable Organics by GC/MS

Lab #:	173909	Location:	MacArthur, Oakland
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	COMP 1 (Q1-Q5)	Basis:	as received
Lab ID:	173909-001	Sampled:	08/02/04
Matrix:	Soil	Received:	08/10/04
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
1,2-Dibromoethane	ND	4.5	0.9091	93704	08/12/04
Chlorobenzene	ND	4.5	0.9091	93704	08/12/04
1,1,1,2-Tetrachloroethane	ND	4.5	0.9091	93704	08/12/04
Ethylbenzene	ND	4.5	0.9091	93704	08/12/04
m,p-Xylenes	ND	4.5	0.9091	93704	08/12/04
o-Xylene	ND	4.5	0.9091	93704	08/12/04
Styrene	ND	4.5	0.9091	93704	08/12/04
Bromoform	ND	4.5	0.9091	93704	08/12/04
Isopropylbenzene	ND	4.5	0.9091	93704	08/12/04
1,1,2,2-Tetrachloroethane	ND	4.5	0.9091	93704	08/12/04
1,2,3-Trichloropropane	ND	4.5	0.9091	93704	08/12/04
Propylbenzene	ND	4.5	0.9091	93704	08/12/04
Bromobenzene	ND	4.5	0.9091	93704	08/12/04
1,3,5-Trimethylbenzene	ND	4.5	0.9091	93704	08/12/04
2-Chlorotoluene	ND	4.5	0.9091	93704	08/12/04
4-Chlorotoluene	ND	4.5	0.9091	93704	08/12/04
tert-Butylbenzene	ND	4.5	0.9091	93704	08/12/04
1,2,4-Trimethylbenzene	ND	4.5	0.9091	93704	08/12/04
sec-Butylbenzene	ND	4.5	0.9091	93704	08/12/04
para-Isopropyl Toluene	ND	4.5	0.9091	93704	08/12/04
1,3-Dichlorobenzene	ND	4.5	0.9091	93704	08/12/04
1,4-Dichlorobenzene	ND	4.5	0.9091	93704	08/12/04
n-Butylbenzene	ND	4.5	0.9091	93704	08/12/04
1,2-Dichlorobenzene	ND	4.5	0.9091	93704	08/12/04
1,2-Dibromo-3-Chloropropane	ND	4.5	0.9091	93704	08/12/04
1,2,4-Trichlorobenzene	ND	4.5	0.9091	93704	08/12/04
Hexachlorobutadiene	ND	4.5	0.9091	93704	08/12/04
Naphthalene	ND	4.5	0.9091	93704	08/12/04
1,2,3-Trichlorobenzene	ND	4.5	0.9091	93704	08/12/04

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	98	79-120	0.9091	93704	08/12/04
1,2-Dichloroethane-d4	99	80-120	0.9091	93704	08/12/04
Toluene-d8	97	80-120	0.9091	93704	08/12/04
Bromofluorobenzene	103	80-121	0.9091	93704	08/12/04

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	173909	Location:	MacArthur, Oakland
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC261014	Diln Fac:	1.000
Matrix:	Soil	Batch#:	93704
Units:	ug/Kg	Analyzed:	08/12/04

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected

RL= Reporting Limit

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Batch QC Report

Purgeable Organics by GC/MS

Lab #:	173909	Location:	MacArthur, Oakland
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC261014	Diln Fac:	1.000
Matrix:	Soil	Batch#:	93704
Units:	ug/Kg	Analyzed:	08/12/04

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
m-Chlorotoluene	ND	5.0
p-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
m,3-Dichlorobenzene	ND	5.0
p,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	93	79-120
1,2-Dichloroethane-d4	101	80-120
Toluene-d8	96	80-120
Bromofluorobenzene	99	80-121

ND = Not Detected

RL = Reporting Limit



Batch QC Report

Purgeable Organics by GC/MS

Lab #:	173909	Location:	MacArthur, Oakland
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC261116	Batch#:	93727
Matrix:	Water	Analyzed:	08/13/04
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0

ND= Not Detected
NS= Not Spiked
RL= Reporting Limit
Page 1 of 2



Batch QC Report

Purgeable Organics by GC/MS

Lab #:	173909	Location:	MacArthur, Oakland
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC261116	Batch#:	93727
Matrix:	Water	Analyzed:	08/13/04
Units:	ug/L		

Analyte	Result	RL
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	103	79-120
1,2-Dichloroethane-d4	116	80-120
Toluene-d8	106	80-120
Bromofluorobenzene	103	80-121
Trifluorotoluene	NS	60-140

ND= Not Detected
 NS= Not Spiked
 RL= Reporting Limit

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Batch QC Report

Purgeable Organics by GC/MS

Lab #:	173909	Location:	MacArthur, Oakland
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC261013	Diln Fac:	1.000
Matrix:	Soil	Batch#:	93704
Units:	ug/Kg	Analyzed:	08/12/04

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	45.47	91	76-121
Benzene	50.00	48.17	96	80-120
Trichloroethene	50.00	46.88	94	80-120
Toluene	50.00	46.63	93	80-120
Chlorobenzene	50.00	46.39	93	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	88	79-120
1,2-Dichloroethane-d4	99	80-120
Toluene-d8	96	80-120
Bromofluorobenzene	98	80-121



Batch QC Report

Purgeable Organics by GC/MS

Lab #:	173909	Location:	MacArthur, Oakland
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	93727
Units:	ug/L	Analyzed:	08/13/04
Diln Fac:	1.000		

Type: BS Lab ID: QC261113

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	51.19	102	76-121
Benzene	50.00	51.78	104	80-120
Trichloroethene	50.00	49.37	99	80-120
Toluene	50.00	52.29	105	80-120
Chlorobenzene	50.00	51.43	103	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	102	79-120
1,2-Dichloroethane-d4	104	80-120
Toluene-d8	97	80-120
Bromofluorobenzene	91	80-121

Type: BSD Lab ID: QC261114

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	48.73	97	76-121	5	20
Benzene	50.00	47.72	95	80-120	8	20
Trichloroethene	50.00	46.43	93	80-120	6	20
Toluene	50.00	51.78	104	80-120	1	20
Chlorobenzene	50.00	48.93	98	80-120	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	105	79-120
1,2-Dichloroethane-d4	108	80-120
Toluene-d8	103	80-120
Bromofluorobenzene	100	80-121

RPD= Relative Percent Difference

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	173909	Location:	MacArthur, Oakland
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.9804
MSS Lab ID:	173951-021	Batch#:	93704
Matrix:	Soil	Sampled:	08/11/04
Units:	ug/Kg	Received:	08/11/04
Basis:	as received	Analyzed:	08/12/04

Type: MS Lab ID: QC261036

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.4400	49.02	39.18	80	66-120
Benzene	<0.05400	49.02	38.74	79	67-120
Trichloroethene	<0.1100	49.02	37.12	76	60-129
Toluene	<0.1300	49.02	36.70	75	59-120
Chlorobenzene	<0.07500	49.02	31.74	65	56-120

Surrogate	%REC	Limits
Dibromofluoromethane	92	79-120
1,2-Dichloroethane-d4	101	80-120
Toluene-d8	98	80-120
Bromofluorobenzene	99	80-121

Type: MSD Lab ID: QC261037

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	49.02	38.36	78	66-120	2	20
Benzene	49.02	38.01	78	67-120	2	20
Trichloroethene	49.02	35.78	73	60-129	4	20
Toluene	49.02	34.44	70	59-120	6	20
Chlorobenzene	49.02	30.14	61	56-120	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	92	79-120
1,2-Dichloroethane-d4	99	80-120
Toluene-d8	95	80-120
Bromofluorobenzene	99	80-121



California LUFT Metals

Lab #:	173909	Location:	MacArthur, Oakland
Client:	Questa Engineering Corporation	Prep:	EPA 3050
Project#:	STANDARD	Analysis:	EPA 6010B
Field ID:	COMP 1 (Q1-Q5)	Batch#:	93723
Matrix:	Soil	Sampled:	08/02/04
Units:	mg/Kg	Received:	08/10/04
Basis:	as received	Prepared:	08/13/04
Diln Fac:	1.000	Analyzed:	08/13/04

Type: SAMPLE Lab ID: 173909-001

Analyte	Result	RL
Cadmium	0.33	0.21
Chromium	33	0.43
Lead	15	0.13
Nickel	22	0.85
Zinc	37	0.85

Type: BLANK Lab ID: QC261088

Analyte	Result	RL
Cadmium	ND	0.25
Chromium	ND	0.50
Lead	ND	0.15
Nickel	ND	1.0
Zinc	ND	1.0

Batch QC Report

California LUFT Metals

Lab #:	173909	Location:	MacArthur, Oakland
Client:	Questa Engineering Corporation	Prep:	EPA 3050
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	93723
Units:	mg/Kg	Prepared:	08/13/04
Basis:	as received	Analyzed:	08/13/04
Diln Fac:	1.000		

Type: BS Lab ID: QC261089

Analyte	Spiked	Result	%REC	Limits
Cadmium	10.00	9.350	94	80-120
Chromium	100.0	100.0	100	80-120
Lead	100.0	100.0	100	80-120
Nickel	25.00	24.05	96	80-120
Zinc	25.00	23.95	96	80-120

Type: BSD Lab ID: QC261090

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	10.00	9.600	96	80-120	3	20
Chromium	100.0	102.5	103	80-120	2	20
Lead	100.0	102.5	103	80-120	2	20
Nickel	25.00	24.70	99	80-120	3	20
Zinc	25.00	24.80	99	80-120	3	20

Batch QC Report

California LUFT Metals

Lab #:	173909	Location:	MacArthur, Oakland
Client:	Questa Engineering Corporation	Prep:	EPA 3050
Project#:	STANDARD	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	93723
MSS Lab ID:	173923-001	Sampled:	08/05/04
Matrix:	Soil	Received:	08/05/04
Units:	mg/Kg	Prepared:	08/13/04
Basis:	as received	Analyzed:	08/13/04
Diln Fac:	1.000		

Type: MS Lab ID: QC261091

Analyte	MSS Result	Spiked	Result	%REC	Limits
Cadmium	0.5374	6.667	6.433	88	61-120
Chromium	32.94	66.67	92.33	89	60-120
Lead	3.636	66.67	62.00	88	47-126
Nickel	33.69	16.67	51.67	108	41-138
Zinc	31.68	16.67	50.67	114	38-144

Type: MSD Lab ID: QC261092

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	9.259	8.843	90	61-120	1	20
Chromium	92.59	118.1	92	60-120	1	20
Lead	92.59	86.57	90	47-126	2	28
Nickel	23.15	58.33	106	41-138	0	22
Zinc	23.15	56.94	109	38-144	1	20

RPD= Relative Percent Difference



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

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

Prepared for:

Questa Engineering Corporation
1220 Brickyard Cove Road
Suite 206
Point Richmond, CA 94801

Date: 18-AUG-04

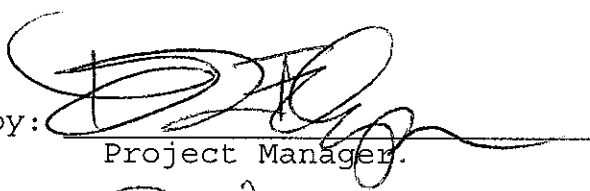
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Project ID: STANDARD

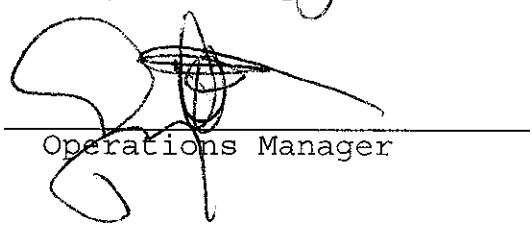
Location: 4311-4333 MacArthur Blvd.

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

Reviewed by:


Project Manager.

Reviewed by:


Operations Manager

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Laboratory Number: 173907
Client: Questa Engineering Corporation
Location: 4311-4333 MacArthur Blvd.

Receipt Date: 08/10/04

CASE NARRATIVE

This hardcopy data package contains sample and QC results for seven soil samples that were received on August 10, 2004. The samples were received cold and intact.

Total Extractable Hydrocarbons by EPA 8015B: All samples were silica gel cleaned prior to analysis. High surrogate recovery was observed in sample Q5@0.5' (173907-006) due to coelution with a hydrocarbon peak. No other analytical problems were encountered.

Client: *M. Douglas Construction, Inc.* Report To: *Questa* Site Name: *4311-4333 MacArthur Blvd., Oakland*
 Address: *1101 Northgate Road* Bill To: *Questa* Project Manager: *W. Hopkins*
Walnut Creek, CA 94598 Billing Reference: *MacArthur, Oakland* Requested Due Date: *Normal Turnaround*
 Project No.: *240126* (*8-17-04*)

Phone: *(925) 932-3559*
 Sampled by (Print): *W. Hopkins / J. Farrow*
 Sampler Signature: *W. Hopkins*
 Date Sampled: *8/02/04*

		PRESERVATIVES					ANALYSES REQUEST				REMARKS				
ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	CONT. TYPE	NO. OF CONTAINERS	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	Col	TPH AS	direct injection	by Silica gel	Change	(EPA 8015 m)
-1	1. Q2@2'		Soil	Glass	1					X	X			X	
-2	2. Q3@0.5'				1						X			X	
-3	3. Q3@2.5'				1						X			X	
-4	4. Q4@0.5'				1						X			X	
-5	5. Q4@2'				1						X			X	
-6	6. Q5@0.5'				1						X			X	
-7	7. Q9@1'				1						X			X	
	8.														
	9.														

COOLER NOS.	BAILERS	SHIP OUT DATE	RETURNED DATE	ITEM NO.	REINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
					<i>W. Hopkins / Questa</i>	<i>Lavanna Curtis Ct</i>	<i>8/10/04</i>	<i>1245</i>

Additional Comments:

Received On ice
 Cold Ambient Intact

Questa Engineering Corporation
 1220 Brickyard Cove Road
 Point Richmond, CA 94807
 P.O. Box 70356
 Phone: (510) 236-6114
 FAX: (510) 236-2423

CHAIN-OF-CUSTODY RECORD
 ANALYTICAL REQUEST



Total Extractable Hydrocarbons

Lab #:	173907	Location:	4311-4333 MacArthur Blvd.
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/10/04
Units:	mg/Kg	Received:	08/10/04
Basis:	as received	Prepared:	08/11/04
Batch#:	93685		

Field ID: Q2@2' Diln Fac: 1.000
 Type: SAMPLE Analyzed: 08/14/04
 Lab ID: 173907-001 Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	76	55-134

Field ID: Q3@0.5' Diln Fac: 1.000
 Type: SAMPLE Analyzed: 08/14/04
 Lab ID: 173907-002 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	34 H Y	1.0
Motor Oil C24-C36	110	5.0

Surrogate	%REC	Limits
Hexacosane	105	55-134

Field ID: Q3@2.5' Diln Fac: 1.000
 Type: SAMPLE Analyzed: 08/14/04
 Lab ID: 173907-003 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	8.7	5.0

Surrogate	%REC	Limits
Hexacosane	65	55-134

Field ID: Q4@0.5' Diln Fac: 1.000
 Type: SAMPLE Analyzed: 08/14/04
 Lab ID: 173907-004 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	14 H Y	1.0
Motor Oil C24-C36	63	5.0

Surrogate	%REC	Limits
Hexacosane	109	55-134

*= Value outside of QC limits; see narrative
 H= Heavier hydrocarbons contributed to the quantitation
 L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard

ND= Not Detected
 RL= Reporting Limit

Chromatogram

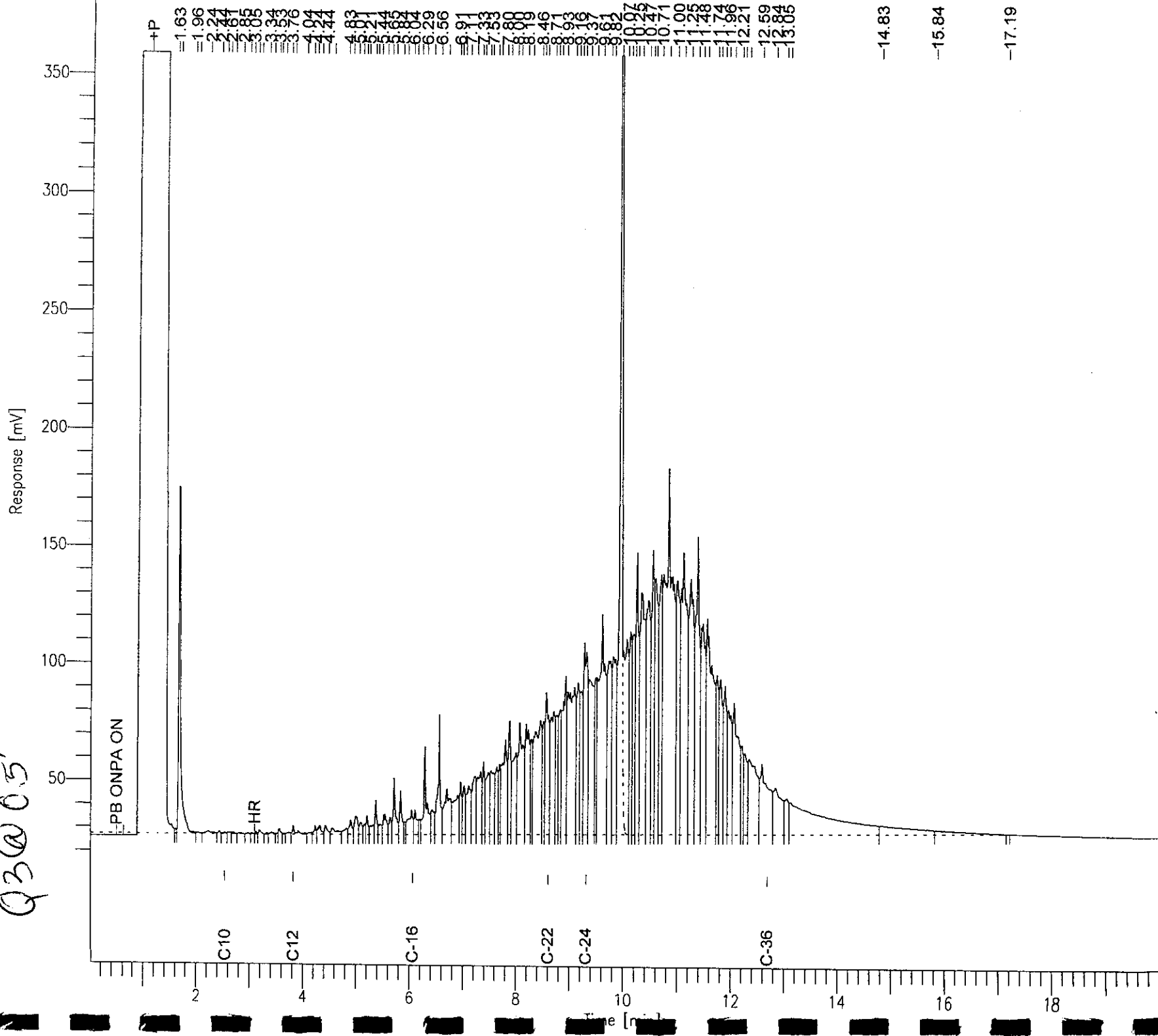
Sample Name : 173907-0025g, 93685
FileName : G:\GC15\CHB\226B033.RAW
Method : BTEH224S.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 19.99 min
Plot Offset: 11 mV

Sample #: 93685
Date : 8/15/04 02:33 PM
Time of Injection: 8/14/04 09:03 AM
Low Point : 11.38 mV
Plot Scale: 347.7 mV

Page 1 of 1
High Point : 359.10 mV

Q3@05'



Chromatogram

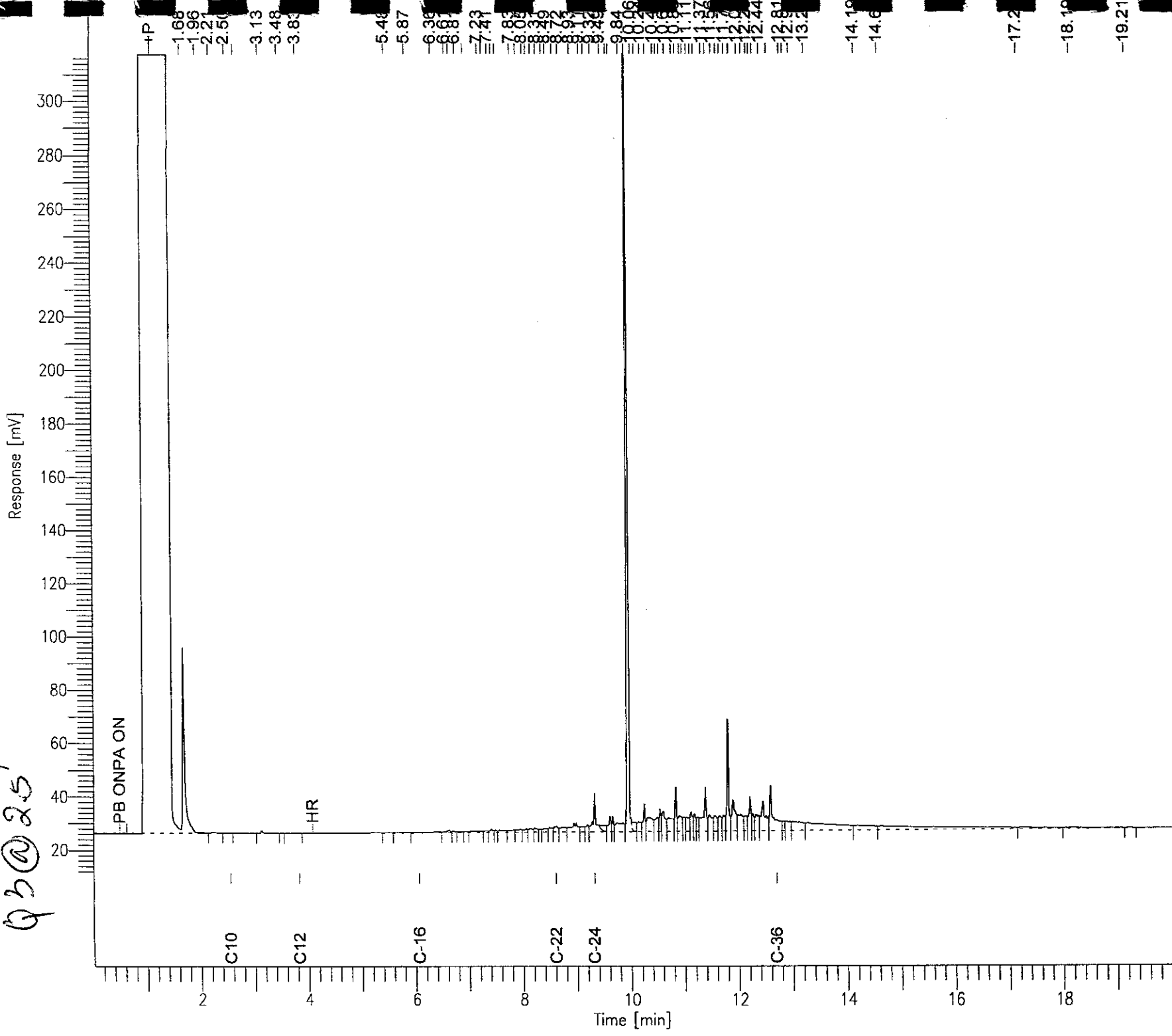
Sample Name : 173907-003sg,93685
FileName : G:\GC15\CHB\226B034.RAW
Method : BTEH224S.MPH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 19.99 min
Plot Offset: 11 mV

Sample #: 93685
Date : 8/15/04 02:34 PM
Time of Injection: 8/14/04 09:32 AM
Low Point : 11.43 mV
Plot Scale: 306.1 mV

Page 1 of 1
High Point : 317.55 mV

Q3@2.5'



Chromatogram

Sample Name : 173907-004sg_93685
File Name : G:\GC15\CHB\226B035.RAW
Method : BTEH224S.MTH
Start Time : 0.01 min
Scale Factor: 0.0

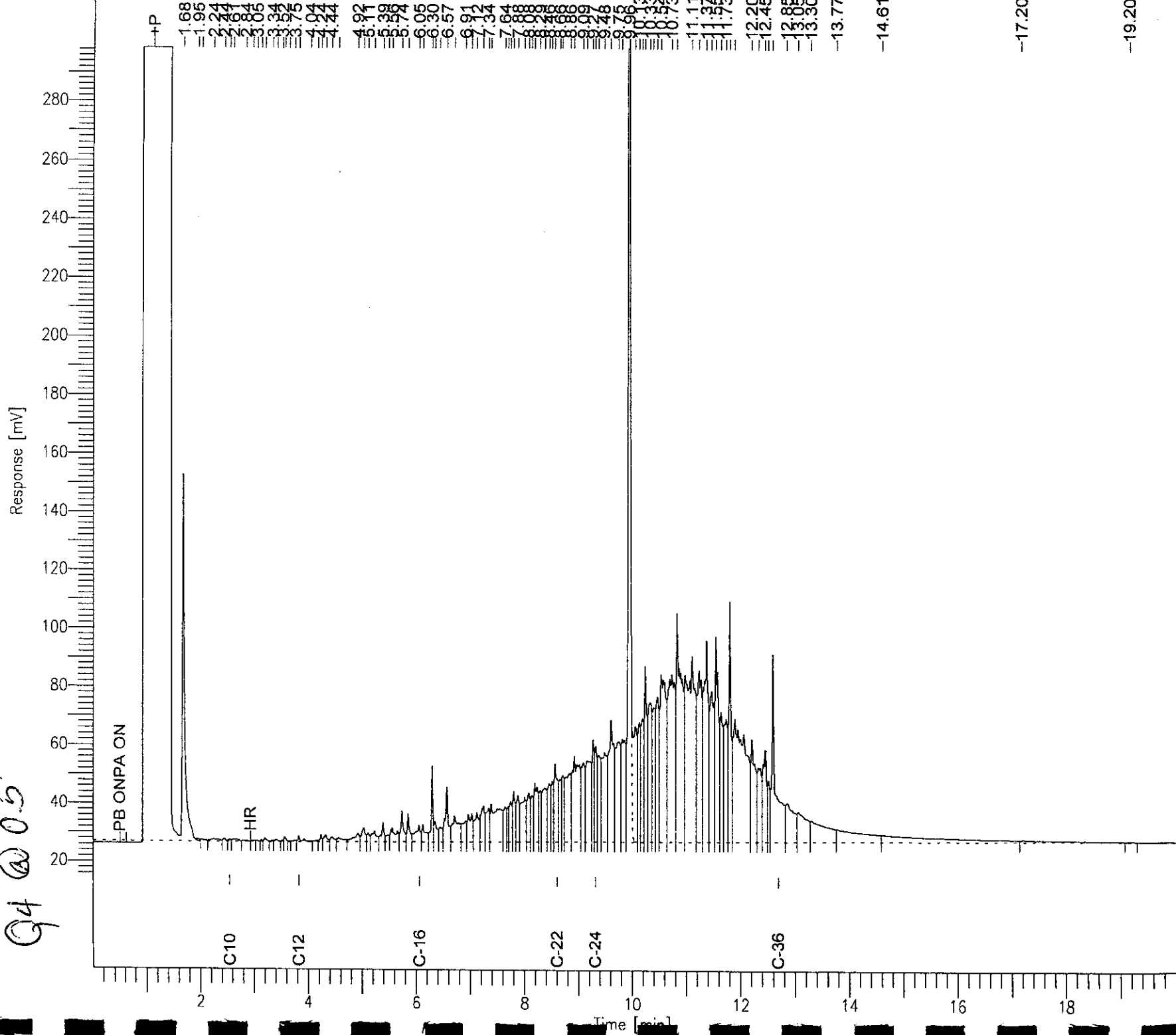
End Time : 19.99 min
Plot Offset: 15 mV

Sample #: 93685
Date : 8/15/04 02:35 PM
Time of Injection: 8/14/04 10:01 AM
Low Point : 15.40 mV
Plot Scale: 283.3 mV

High Point : 298.65 mV

Page 1 of 1

Q4 @ 0.5'





Total Extractable Hydrocarbons

Lab #:	173907	Location:	4311-4333 MacArthur Blvd.
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/10/04
Units:	mg/Kg	Received:	08/10/04
Basis:	as received	Prepared:	08/11/04
Batch#:	93685		

Field ID:	Q4@2'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	08/14/04
Lab ID:	173907-005	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	20 H Y	1.0
Motor Oil C24-C36	130	5.0

Surrogate	%REC	Limits
Hexacosane	82	55-134

Field ID:	Q5@0.5'	Diln Fac:	2.000
Type:	SAMPLE	Analyzed:	08/17/04
Lab ID:	173907-006	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	190 H	2.0
Motor Oil C24-C36	440 L	10

Surrogate	%REC	Limits
Hexacosane	162 *	55-134

Field ID:	Q9@1'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	08/14/04
Lab ID:	173907-007	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	14 H Y	1.0
Motor Oil C24-C36	83	5.0

Surrogate	%REC	Limits
Hexacosane	89	55-134

Type:	BLANK	Analyzed:	08/13/04
Lab ID:	QC260933	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

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

Surrogate	%REC	Limits
Hexacosane	105	55-134

*= Value outside of QC limits; see narrative

H= Heavier hydrocarbons contributed to the quantitation

L= Lighter hydrocarbons contributed to the quantitation

Y= Sample exhibits chromatographic pattern which does not resemble standard

ND= Not Detected

RL= Reporting Limit

Page 2 of 2

Chromatogram

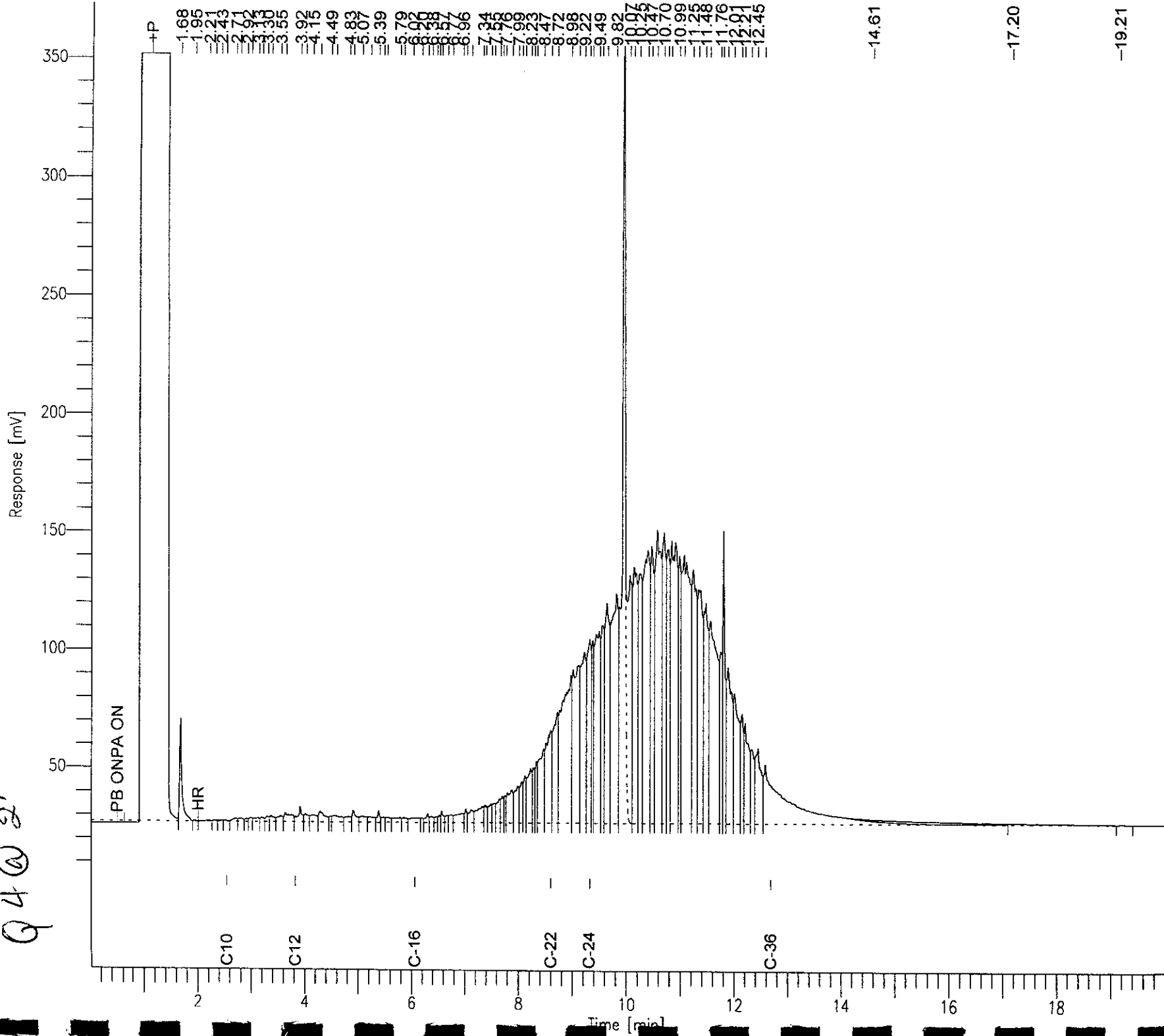
Sample Name : 173907-005sg, 93685
FileName : G:\GC15\CHB\226B036.RAW
Method : BTEH224S.WTH
Chart Time : 0.01 min
Scale Factor : 0.0

End Time : 19.99 min
Plot Offset: 4 mV

Sample #: 93685
Date : 8/15/04 02:35 PM
Time of Injection: 8/14/04 10:29 AM
Low Point : 4.04 mV
Plot Scale: 347.5 mV

Page 1 of 1
High Point : 351.59 mV

Q4@2



-14.61

-17.20

-19.21

Chromatogram

Sample Name : 173907-006sg,93685
FileName : G:\GC11\CHA\229A042.RAW
Method : ATEH225S.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 20.45 min
Plot Offset: -1 mV

Sample #: 93685

Date : 8/17/04 12:13 PM

Time of Injection: 8/17/04

11:51 AM

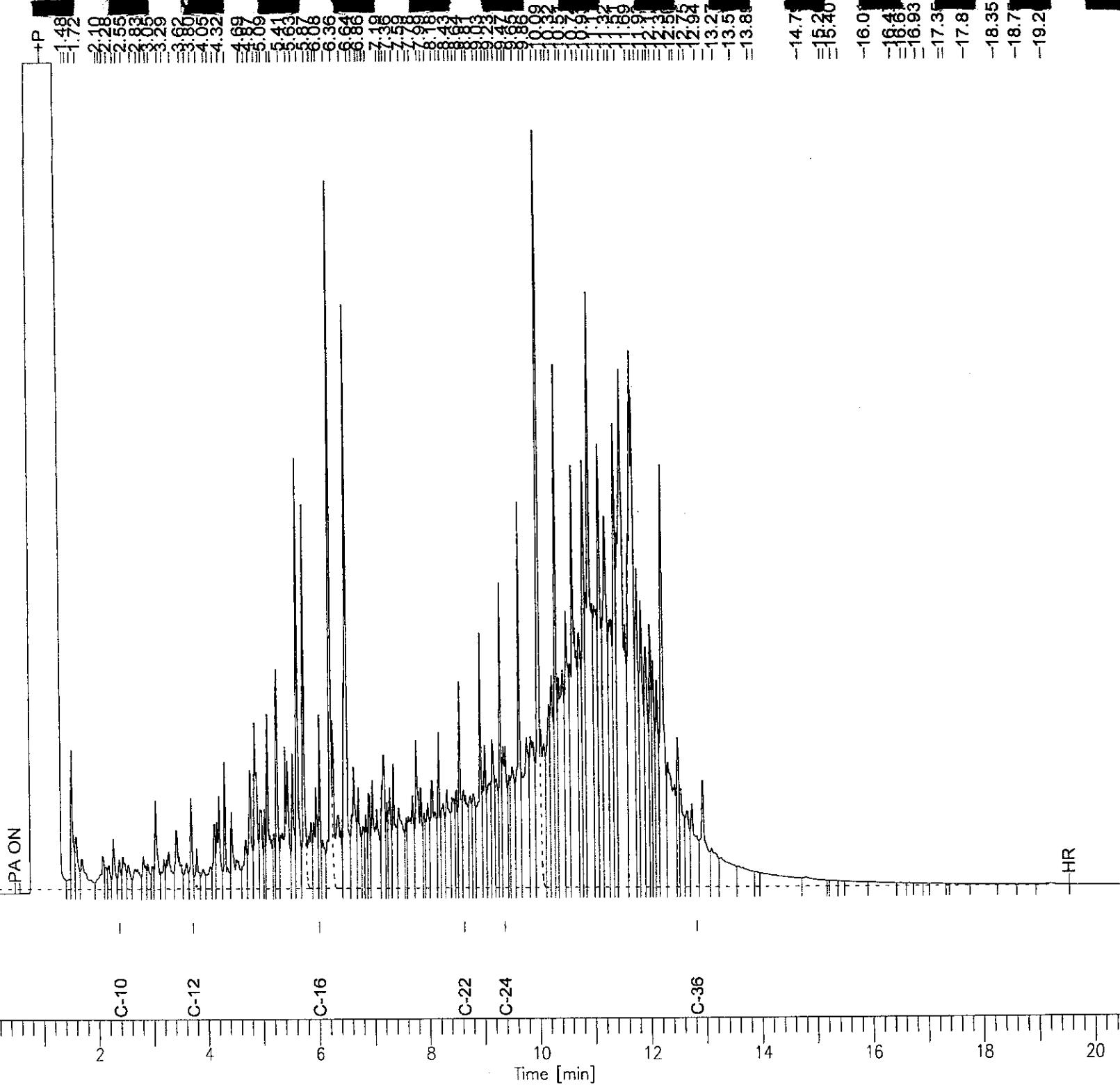
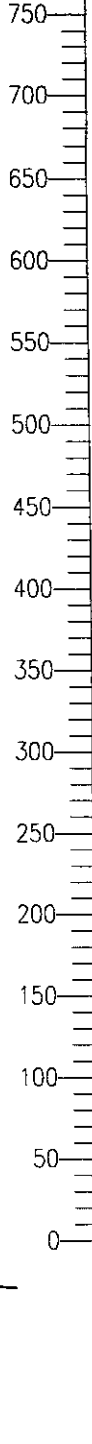
Low Point : -0.61 mV

High Point : 755.60 mV

Plot Scale: 756.2 mV

95005

Response [mV]



1.42
1.72
2.25
2.55
2.85
3.02
3.25
3.45
3.69
3.97
4.25
4.55
4.85
5.15
5.45
5.75
6.05
6.35
6.65
6.95
7.25
7.55
7.85
8.15
8.45
8.75
9.05
9.35
9.65
9.95
10.25
10.55
10.85
11.15
11.45
11.75
12.05
12.35
12.65
12.95
13.25
13.55
13.85
14.7
15.2
16.0
16.4
16.9
17.3
17.8
18.35
18.7
19.2

Chromatogram

Sample Name : 173907-007sq.93685
File Name : G:\GC15\CHB\2268038.RAW
Method : BTEH224S.MTH
Start Time : 0.01 min
Scale Factor: 0.0

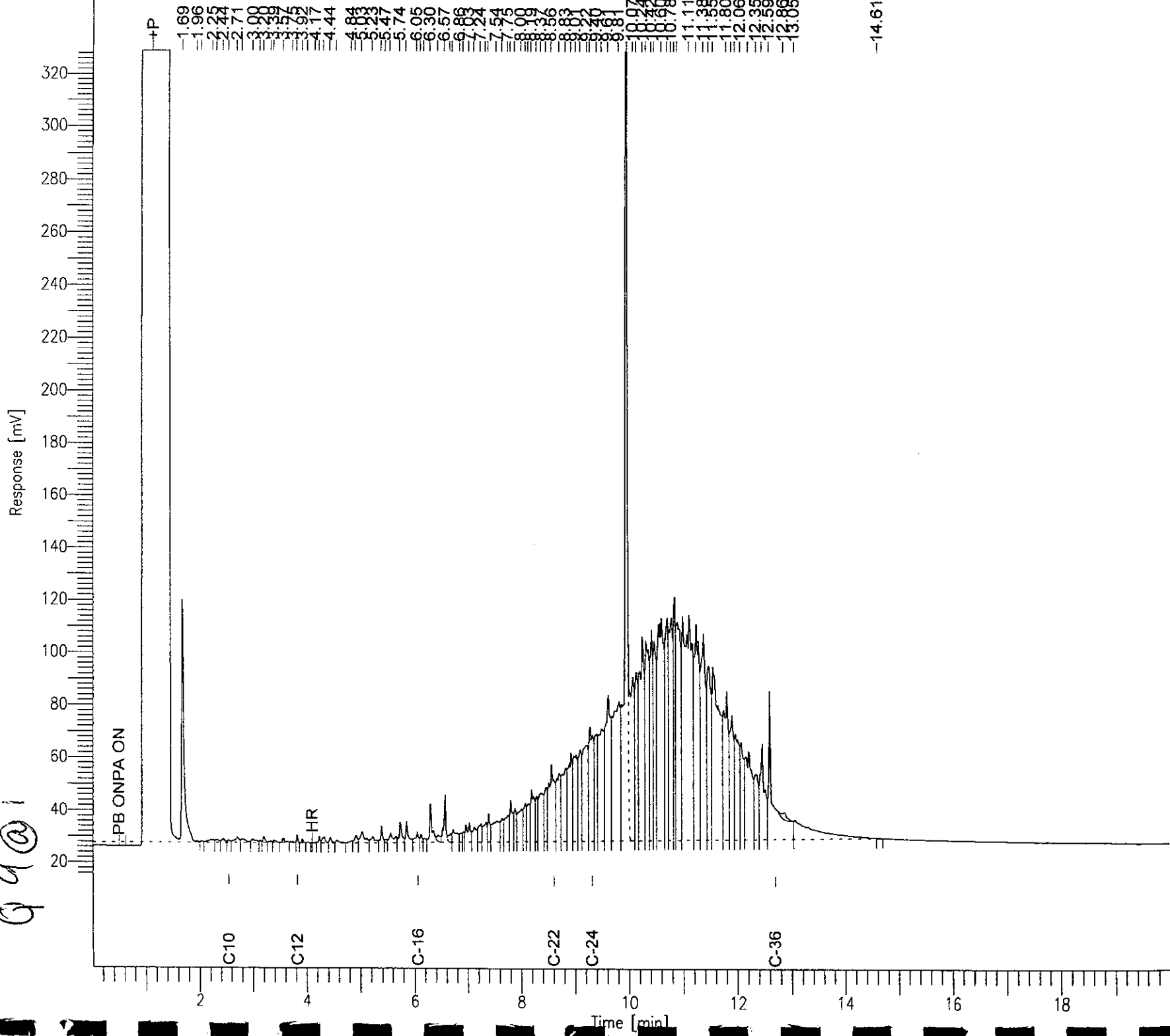
End Time : 19.99 min
Plot Offset: 15 mV

Date : 8/15/04 02:38 PM
Time of Injection: 8/14/04 11:27 AM
Low Point : 15.44 mV
Plot Scale: 313.4 mV

Page 1 of 1

High Point : 328.88 mV

99@1



Chromatogram

Page 1 of 1

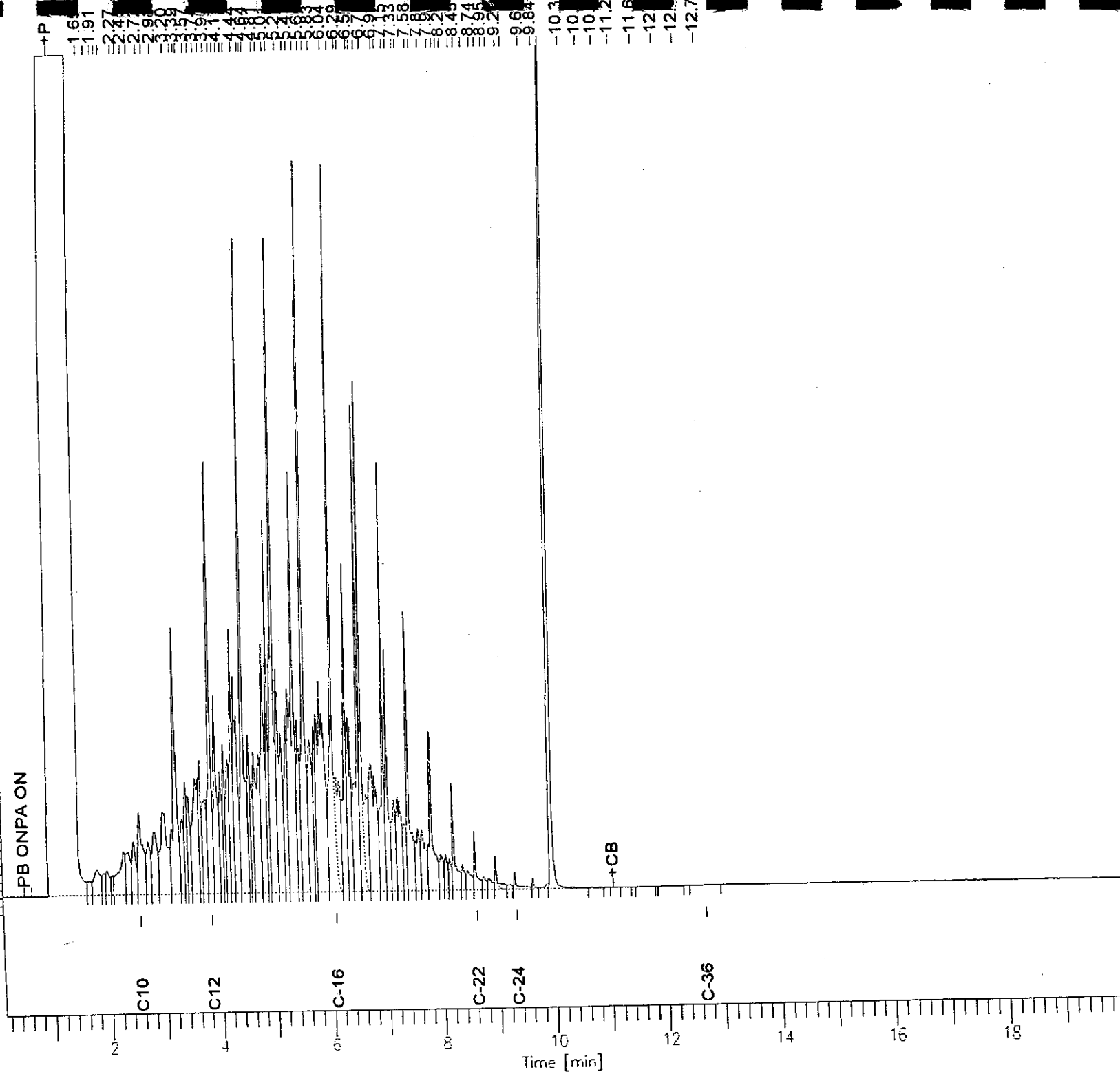
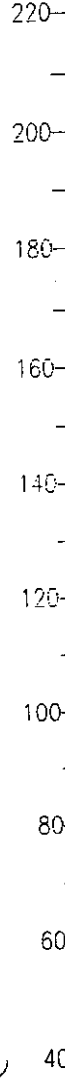
Sample Name : ccv_04ws1410.dsl
File Name : G:\GC15\CHB\226B003.RAW
Method : RTEH224S.MTH
Start Time : 0.11 min
Scale Factor: 0.0

Sample #: 500mg/L
Date : 8/13/04 04:31 PM
Time of Injection: 8/13/04 03:47 PM
Low Point : 21.19 mV
Plot Scale: 215.0 mV

End Time : 19.99 min
Plot Offset: 21 mV

Diesel Standard

Response [mV]



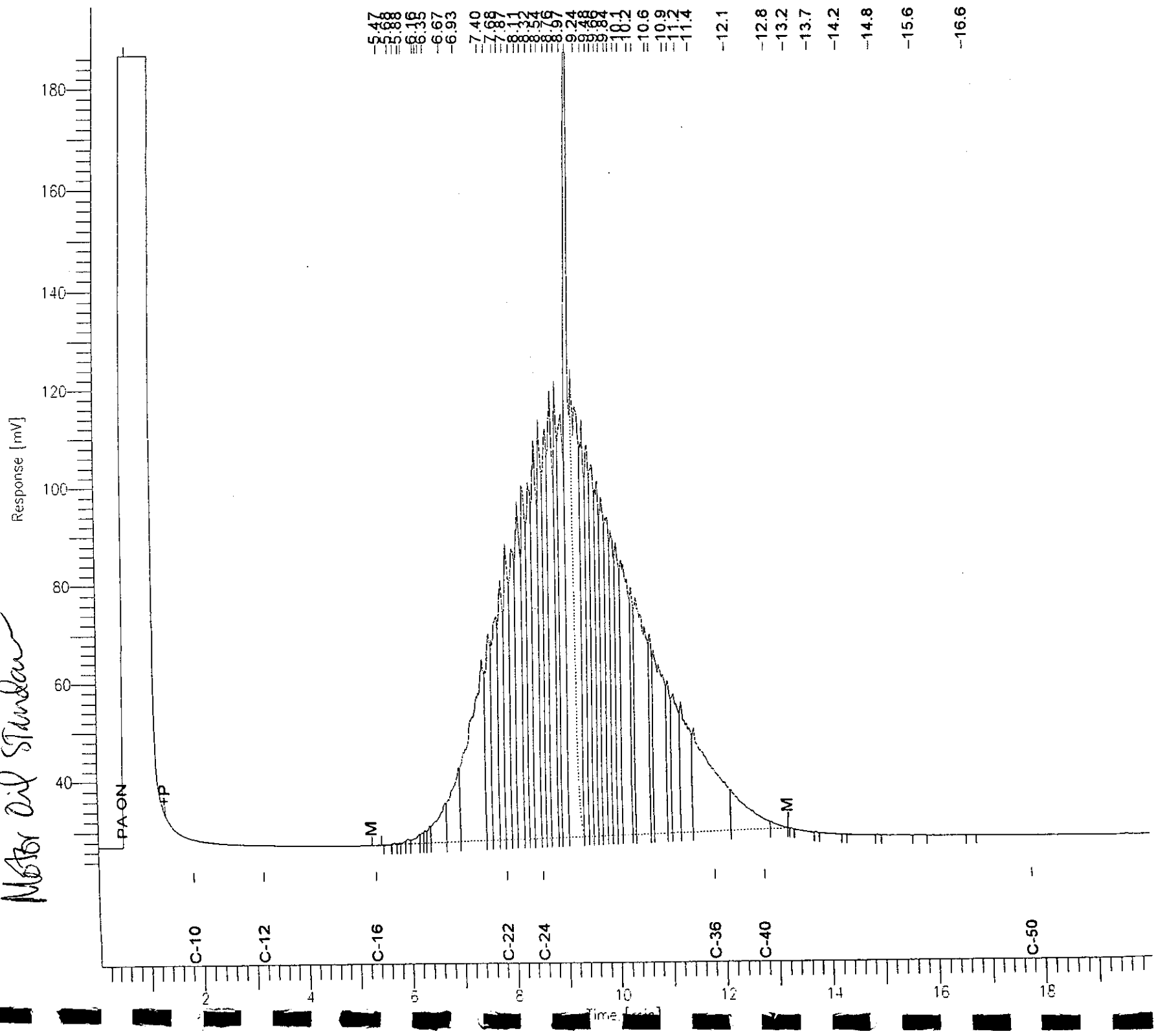
Time [min]

Chromatogram

Sample #: 500mg/L
Date : 8/13/04 04:49 PM
Time of Injection: 8/13/04 04:19 PM
Low Point : 22.05 mV
High Point : 186.62 mV
Plot Scale: 164.6 mV

Sample Name : ccv_04ws1425.mo
File Name : G:\GC17\CHA\226A004.RAW
Method : ATEH212.MTH
Start Time : 0.01 min
End Time : 19.99 min
Plot Offset: 22 mV
Scale Factor: 0.0

Motor oil Standard



Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	173907	Location:	4311-4333 MacArthur Blvd.
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC260934	Batch#:	93685
Matrix:	Soil	Prepared:	08/11/04
Units:	mg/Kg	Analyzed:	08/13/04
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.31	38.80	77	56-134

Surrogate	%REC	Limits
Hexacosane	82	55-134



Batch QC Report

Total Extractable Hydrocarbons

Lab #:	173907	Location:	4311-4333 MacArthur Blvd.
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	93685
SS Lab ID:	173922-003	Sampled:	08/09/04
Matrix:	Soil	Received:	08/10/04
Units:	mg/Kg	Prepared:	08/11/04
Basis:	as received	Analyzed:	08/13/04
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3630C
 Lab ID: QC260935

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	21.97	49.85	71.10	99	13-165
Surrogate	%REC	Limits			
Hexacosane	93	55-134			

Type: MSD Cleanup Method: EPA 3630C
 Lab ID: QC260936

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.87	70.06	96	13-165	2	49
Surrogate	%REC	Limits				
Hexacosane	93	55-134				



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

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

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

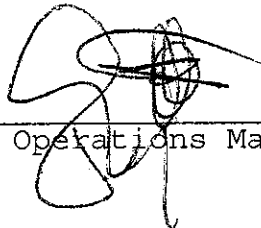
Prepared for:

Questa Engineering Corporation
1220 Brickyard Cove Road
Suite 206
Point Richmond, CA 94801

Date: 16-AUG-04
Lab Job Number: 173776
Project ID: STANDARD
Location: 4311-4333 MACARTHUR BLVD.

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

Reviewed by: 
Project Manager

Reviewed by: 
Operations Manager

This package may be reproduced only in its entirety.

Client: *M. Douglas Construction Inc*
 Address: *1101 Northgate Road*
Walnut Creek, CA 94598

Report To: *Questa*
 Bill To: *Questa*
 Billing Reference: *MacArthur, Oakland*
 Project No.: *240126*

Site Name: *4311-4383 MacArthur Blvd, Oakland*
 Project Manager: *W. Hopkins*
 Requested Due Date: *Normal turnaround (5 days)*
8/19/04

Phone: *925-932-3559*
 Sampled by (Print): *W. Hopkins, J. Farrow*
 Sampler Signature: *[Signature]*
 Date Sampled: *8/2/04*

PRESERVATIVES **ANALYSES REQUEST** **REMARKS**

NO. OF CONTAINERS	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	Gold	ANALYSES REQUEST				
						TPH <i>60/150</i>	<i>diex</i>	Metal <i>1</i>	Silica <i>gel cleanup</i>	
					X	X	X	X	X	
					X	X	X	X	X	
					X	X	X	X	X	
					X	X	X	X	X	
					X	X	X	X	X	
					X	X	X	X	X	
					X	X	X	X	X	
					X	X	X	X	X	

1
2
3
4
5
6
7
8
9

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	CONT. TYPE
1.	<i>Q1-0.5'</i>		<i>Soil</i>	<i>Glass</i>
2.	<i>Q2-0.5'</i>			
3.	<i>Q4-4.0'</i>			
4.	<i>Q4-6.5'</i>			
5.	<i>Q4-8.5'</i>			
6.	<i>Q5-4'</i>			
7.	<i>Q6-6'</i>			
8.	<i>Q6-2.5'</i>			
9.	<i>Q7-8.5'</i>			

COOLER NOS.	BAILERS	SHIP OUT DATE	RETURNED DATE	ITEM NO.	RELINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
				<i>19</i>	<i>Joseph Farrow</i>	<i>Devanne Curtis</i>	<i>8-2-04</i>	<i>1744</i>

Additional Comments:
Run All samples for TPH as diesel and motor oil with Silica gel cleanup

Received
 On ice
 Cold Ambient Intact

Questa Engineering Corporation
 1220 Brickyard Cove Road
 Point Richmond, CA 94807
 P.O. Box 70356
 Phone: (510) 236-6114
 FAX: (510) 236-2423

CHAIN-OF-CUSTODY RECORD
ANALYTICAL REQUEST

Client: *M. Douglas Construction Inc.*

Report To: *Questa*

Site Name: *4811-4335 MacArthur Blvd., Oakland*

Address: *1101 Northgate Road
Walnut Creek CA 94598*

Bill To: *Questa*

Project Manager: *W. Hopkins*

Billing Reference: *MacArthur, Oakland*

Requested Due Date: *Normal Turnaround (5 days)*

Project No.: *240126*

8/9/04

Phone: *925 932-3559*

Sampled by (Print): *W. Hopkins / J. Farrow*

Sampler Signature: *W. Hopkins*

Date Sampled: *8/2/04*

PRESERVATIVES						ANALYSES REQUEST				REMARKS
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ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	CONT. TYPE	PRESERVATIVES						ANALYSES REQUEST				REMARKS
					NO. OF CONTAINERS	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	Cold	TPH 0015m	diesel	Motor oil	Silica gel cleanup	
1.	<i>Q7-3'</i>		<i>Soil Glass</i>								X	X	X	X	
2.	<i>Q7-4.5'</i>		<i>Soil Glass</i>								X	X	X	X	
3.	<i>Q9-3.5'</i>		<i>Soil Glass</i>								X	X	X	X	
4.															
5.															
6.															
7.															
8.															
9.															

COOLER NOS.	BAILERS	SHIP OUT DATE	RETURNED DATE	ITEM NO.	RELINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
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				<i>1-3</i>	<i>Joy Farrow</i>	<i>Zavanne Curtis</i>	<i>8-2-04</i>	<i>1744</i>
--	--	--	--	------------	-------------------	-----------------------	---------------	-------------

Additional Comments:
Run all samples for TPH as diesel and motor oil with silica gel cleanup

<input checked="" type="checkbox"/> Received	<input type="checkbox"/> On ice
<input checked="" type="checkbox"/> Cold	<input type="checkbox"/> Ambient
<input checked="" type="checkbox"/> Intact	

Questa Engineering Corporation

1220 Brickyard Cove Road
Point Richmond, CA 94807

P.O. Box 70356
Phone: (510) 236-6114
FAX: (510) 236-2423

CHAIN-OF-CUSTODY RECORD ANALYTICAL REQUEST

Total Extractable Hydrocarbons

Lab #: 173776	Location: 4311-4333 MACARTHUR BLVD.
Client: Questa Engineering Corporation	Prep: SHAKER TABLE
Project#: STANDARD	Analysis: EPA 8015B
Matrix: Soil	Sampled: 08/02/04
Units: mg/Kg	Received: 08/02/04
Basis: as received	Prepared: 08/05/04
Batch#: 93510	

Field ID: Q1-0.5'	Diln Fac: 1.000
Type: SAMPLE	Analyzed: 08/06/04
Lab ID: 173776-001	Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	82 H Y	1.0
Motor Oil C24-C36	180	5.0

Surrogate	%REC	Limits
Hexacosane	105	52-131

Field ID: Q2-0.5'	Diln Fac: 1.000
Type: SAMPLE	Analyzed: 08/06/04
Lab ID: 173776-002	Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	2.8 H Y	1.0
Motor Oil C24-C36	10	5.0

Surrogate	%REC	Limits
Hexacosane	83	52-131

Field ID: Q4-4.0'	Diln Fac: 1.000
Type: SAMPLE	Analyzed: 08/06/04
Lab ID: 173776-003	Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	24 H Y	1.0
Motor Oil C24-C36	140	5.0

Surrogate	%REC	Limits
Hexacosane	76	52-131

Field ID: Q4-6.5'	Diln Fac: 1.000
Type: SAMPLE	Analyzed: 08/06/04
Lab ID: 173776-004	Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	82	52-131

H= Heavier hydrocarbons contributed to the quantitation
 L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit
 Page 1 of 4

Chromatogram

Sample Name : 173798-001sg, 93510
Filename : G:\GC11\CHA\218A026.RAW
Method : ATEH214S.MTH
Start Time : 0.01 min
Scale Factor: 0.0

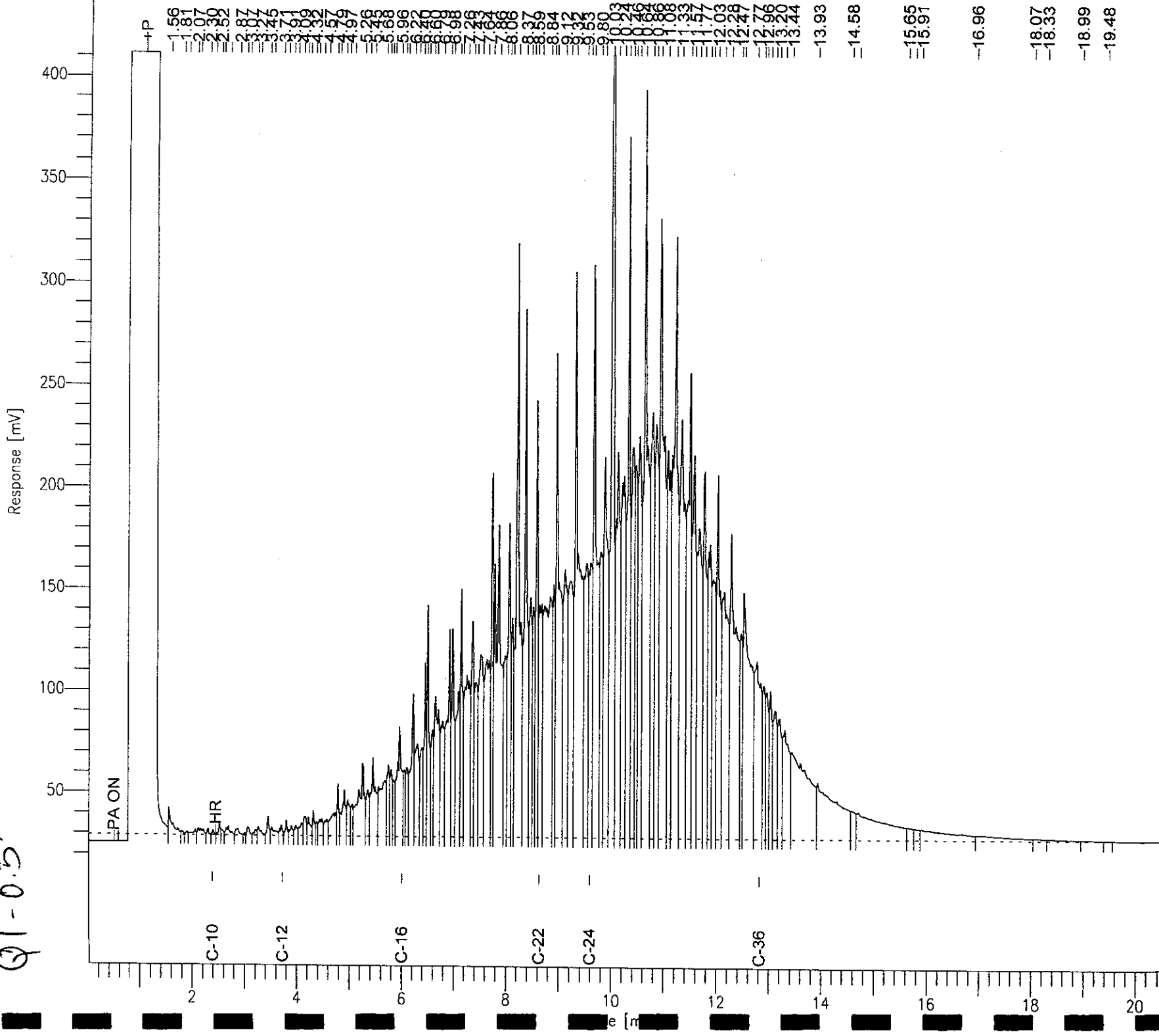
End Time : 20.45 min
Plot Offset: 11 mV

Date : 8/6/04 10:27 AM
Time of Injection: 8/6/04 12:26 AM
Low Point : 10.97 mV
Plot Scale: 400.6 mV

High Point : 411.61 mV

Page 1 of 1

Q1-0.5'



Chromatogram

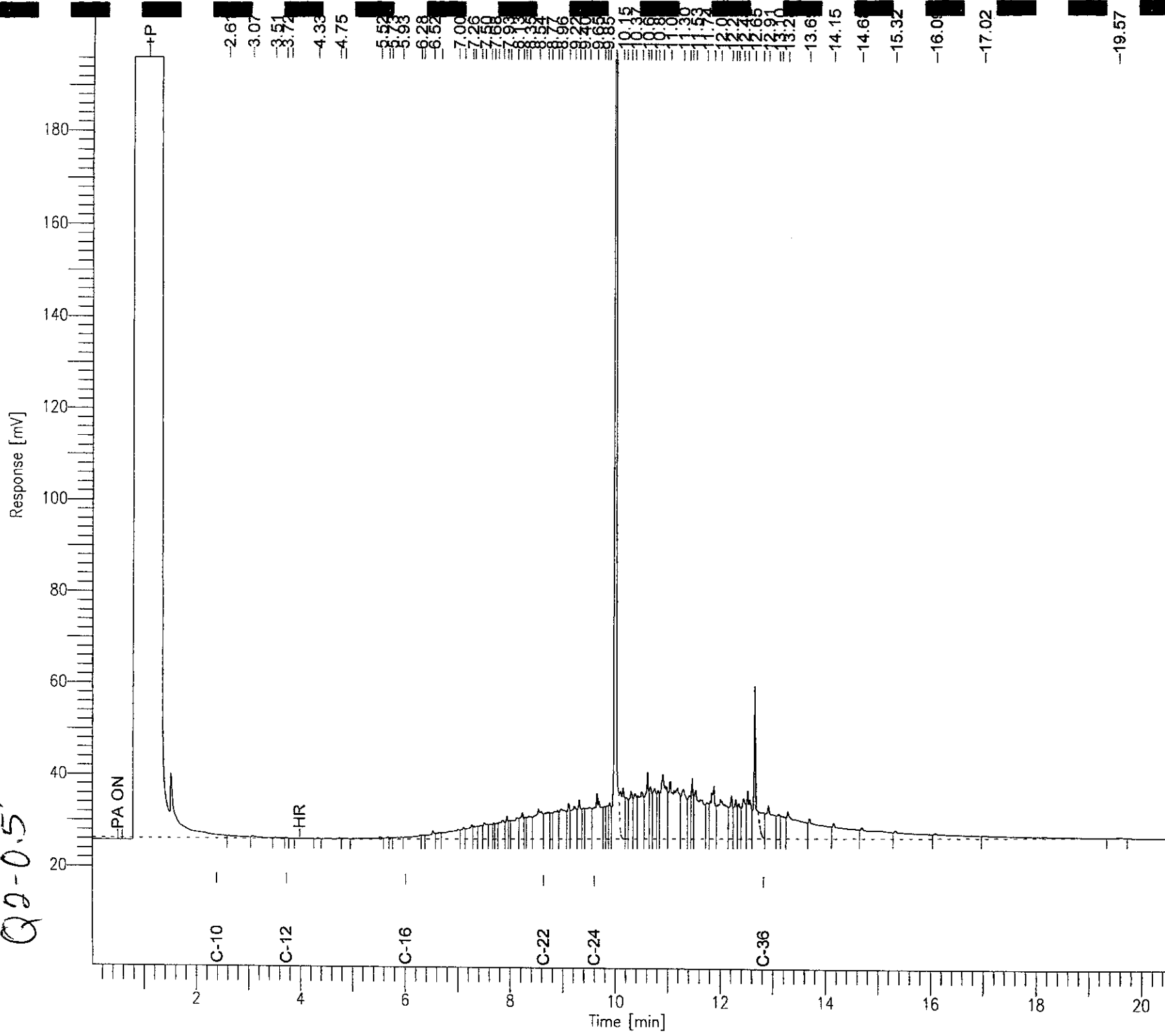
Sample Name : 173776-002sg,93510
FileName : G:\GC11\CHA\218A033.RAW
Method : ATEH214S.WTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 20.45 min
Plot Offset: 19 mV

Sample #: 93510
Date : 8/6/04 10:33 AM
Time of Injection: 8/6/04 03:49 AM
Low Point : 18.57 mV
Plot Scale: 177.6 mV
High Point : 196.18 mV

Page 1 of 1

Q2-0.5'



Chromatogram

Sample Name : 173776-003sg, 93510
FileName : G:\GC11\CHA\218A034.RAW
Method : ATEH214S.MTH
Start Time : 0.01 min
Scale Factor: 0.0

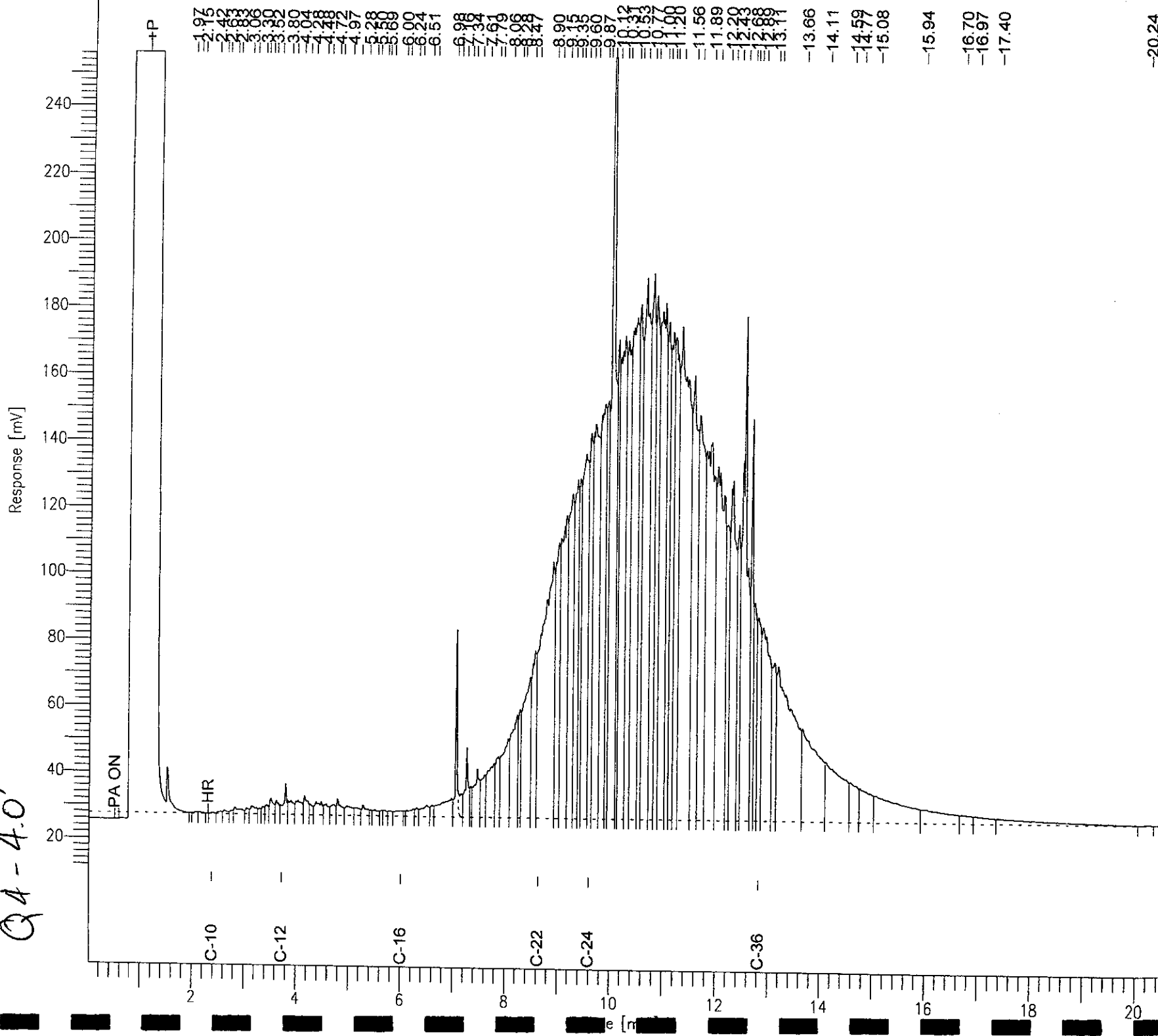
End Time : 20.45 min
Plot Offset: 10 mV

Sample #: 93510
Date : 8/6/04 10:33 AM
Time of Injection: 8/6/04 04:17 AM
Low Point : 10.01 mV
Plot Scale: 246.4 mV

Page 1 of 1

High Point : 256.37 mV

Q4-4.0'





Total Extractable Hydrocarbons

Lab #:	173776	Location:	4311-4333 MACARTHUR BLVD.
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/02/04
Units:	mg/Kg	Received:	08/02/04
Basis:	as received	Prepared:	08/05/04
Batch#:	93510		

Field ID:	Q4-8.5'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	08/06/04
Lab ID:	173776-005	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	65	52-131

Field ID:	Q5-4'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	08/06/04
Lab ID:	173776-006	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	8.2 H Y	1.0
Motor Oil C24-C36	17 L	5.0

Surrogate	%REC	Limits
Hexacosane	98	52-131

Field ID:	Q6-6'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	08/05/04
Lab ID:	173776-007	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	3.0 H Y	1.0
Motor Oil C24-C36	26	5.0

Surrogate	%REC	Limits
Hexacosane	63	52-131

Field ID:	Q6-2.5'	Diln Fac:	10.00
Type:	SAMPLE	Analyzed:	08/05/04
Lab ID:	173776-008	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	27 H Y	10
Motor Oil C24-C36	390	50

Surrogate	%REC	Limits
Hexacosane	DO	52-131

H= Heavier hydrocarbons contributed to the quantitation
 L= Lighter hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit
 Page 2 of 4

Chromatogram

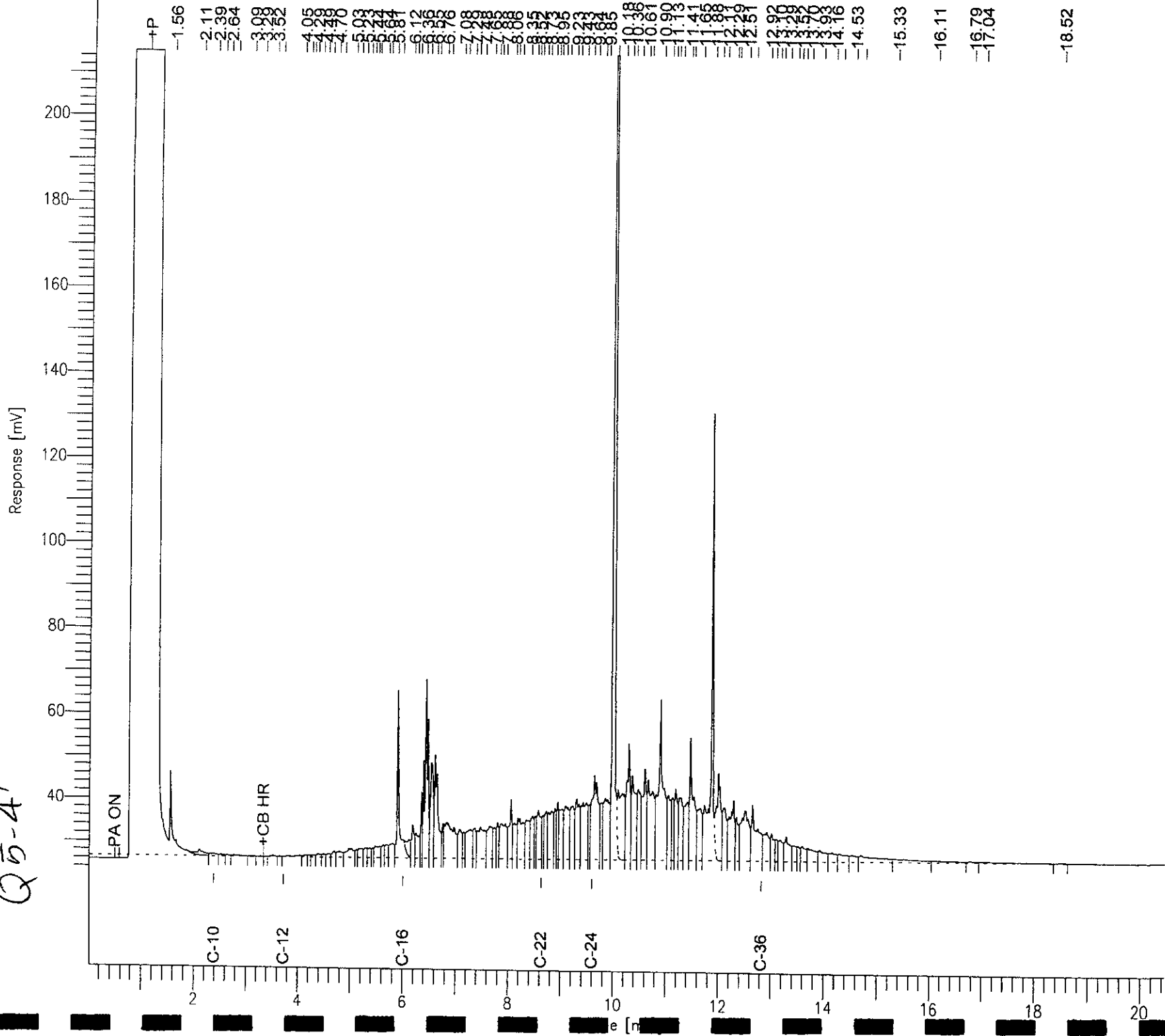
Sample Name : 173776-006sg, 93510
FileName : G:\GC11\CHA\218A037.RAW
Method : ATEH214S.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 20.45 min
Plot Offset: 22 mV

Sample #: 93510
Date : 8/6/04 10:34 AM
Time of Injection: 8/6/04 05:45 AM
Low Point : 22.28 mV
Plot Scale: 192.8 mV

Page 1 of 1
High Point : 215.09 mV

Q5-41



Chromatogram

Sample Name : 173776-007sg,93510
FileName : G:\GC11\CHA\218A014.RAW
Method : ATEH214S.MTH
Start Time : 0.01 min
Scale Factor: 0.0

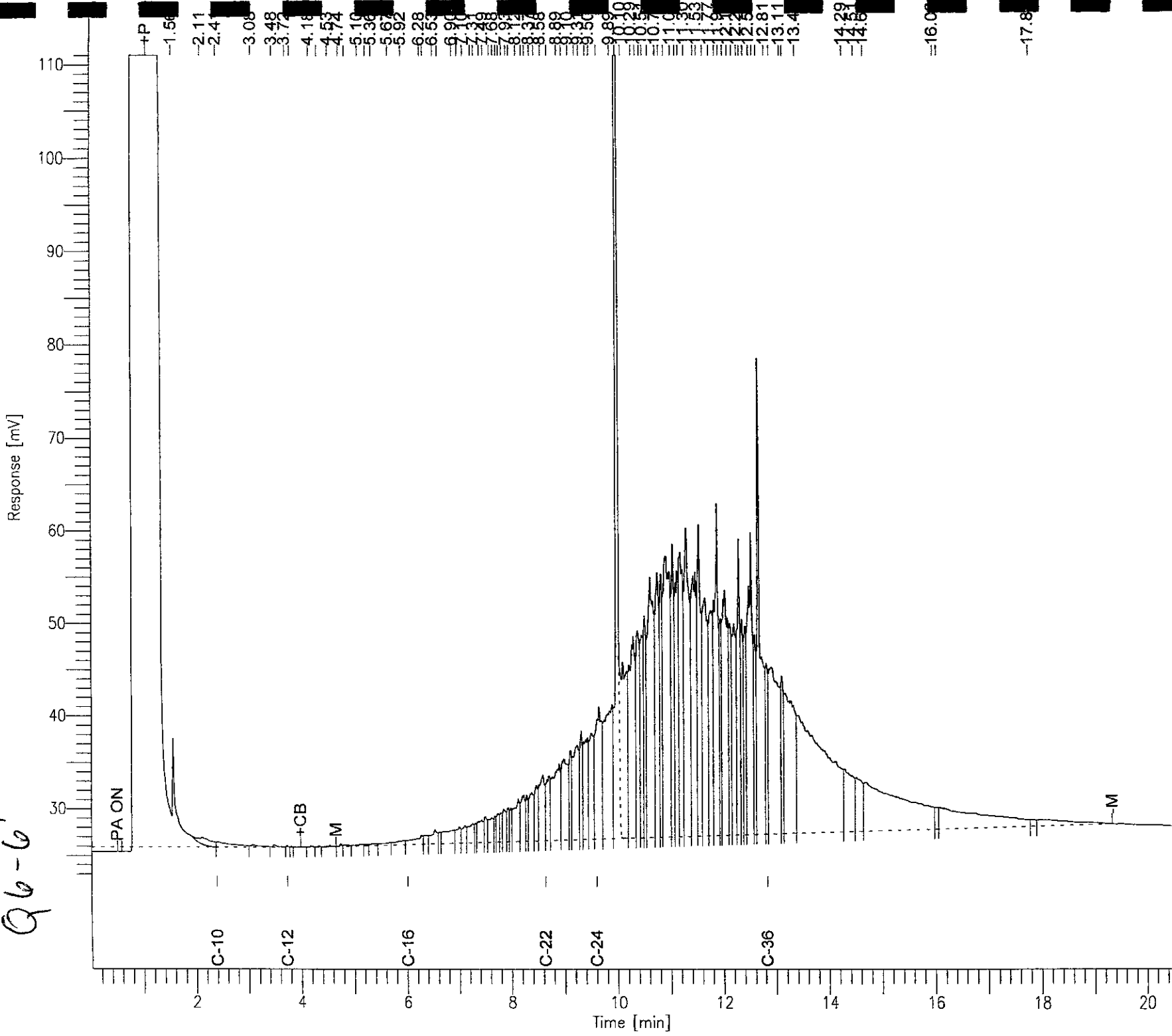
End Time : 20.45 min
Plot Offset: 23 mV

Sample #: 93510
Date : 8/6/04 10:22 AM
Time of Injection: 8/5/04 06:38 PM
Low Point : 22.78 mV
Plot Scale: 88.2 mV

High Point : 111.02 mV

Page 1 of 1

Q6-6'



Chromatogram

Sample Name : 173776-008sg,93510
FileName : G:\GC13\CHB\218B019.RAW
Method : BTEH210S.MTH
Start Time : 0.01 min
Scale Factor: 0.0

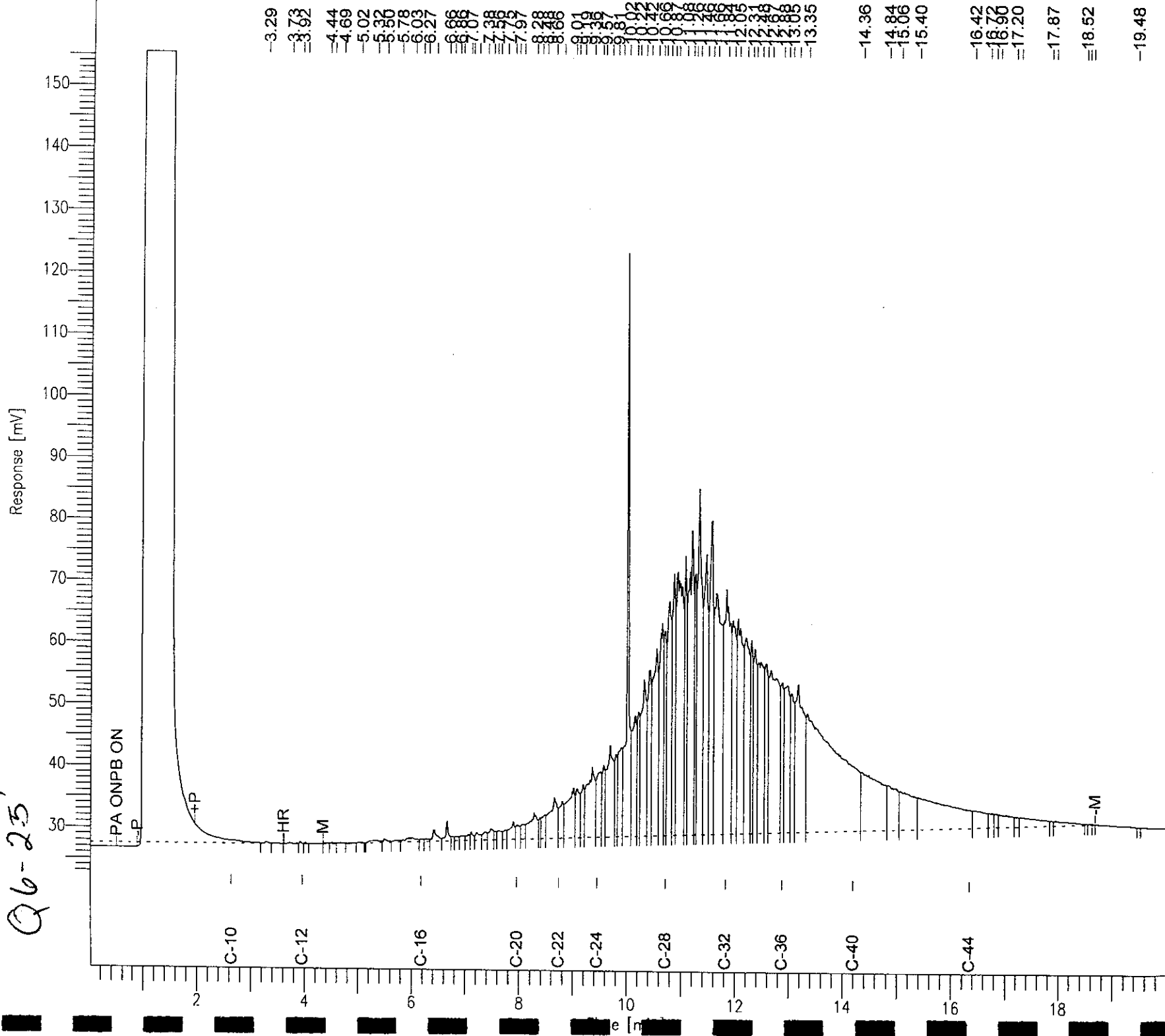
End Time : 19.99 min
Plot Offset: 22 mV

Sample #: 93510
Date : 8/6/04 09:33 AM
Time of Injection: 8/5/04 09:34 PM
Low Point : 22.40 mV
Plot Scale: 133.1 mV

Page 1 of 1

High Point : 155.45 mV

Q6-25'





Total Extractable Hydrocarbons

Lab #:	173776	Location:	4311-4333 MACARTHUR BLVD.
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/02/04
Units:	mg/Kg	Received:	08/02/04
Basis:	as received	Prepared:	08/05/04
Batch#:	93510		

Field ID: Q7-8.5' Diln Fac: 1.000
 Type: SAMPLE Analyzed: 08/05/04
 Lab ID: 173776-009 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	3.5 H L Y	1.0
Motor Oil C24-C36	5.9	5.0

Surrogate	%REC	Limits
Hexacosane	71	52-131

Field ID: Q7-3' Diln Fac: 20.00
 Type: SAMPLE Analyzed: 08/05/04
 Lab ID: 173776-010 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	250 H Y	20
Motor Oil C24-C36	2,200	100

Surrogate	%REC	Limits
Hexacosane	DO	52-131

Field ID: Q7-4.5' Diln Fac: 1.000
 Type: SAMPLE Analyzed: 08/05/04
 Lab ID: 173776-011 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	20 H Y	1.0
Motor Oil C24-C36	160	5.0

Surrogate	%REC	Limits
Hexacosane	104	52-131

Field ID: Q9-3.5' Diln Fac: 1.000
 Type: SAMPLE Analyzed: 08/05/04
 Lab ID: 173776-012 Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	83	52-131

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

DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit
 Page 3 of 4

Chromatogram

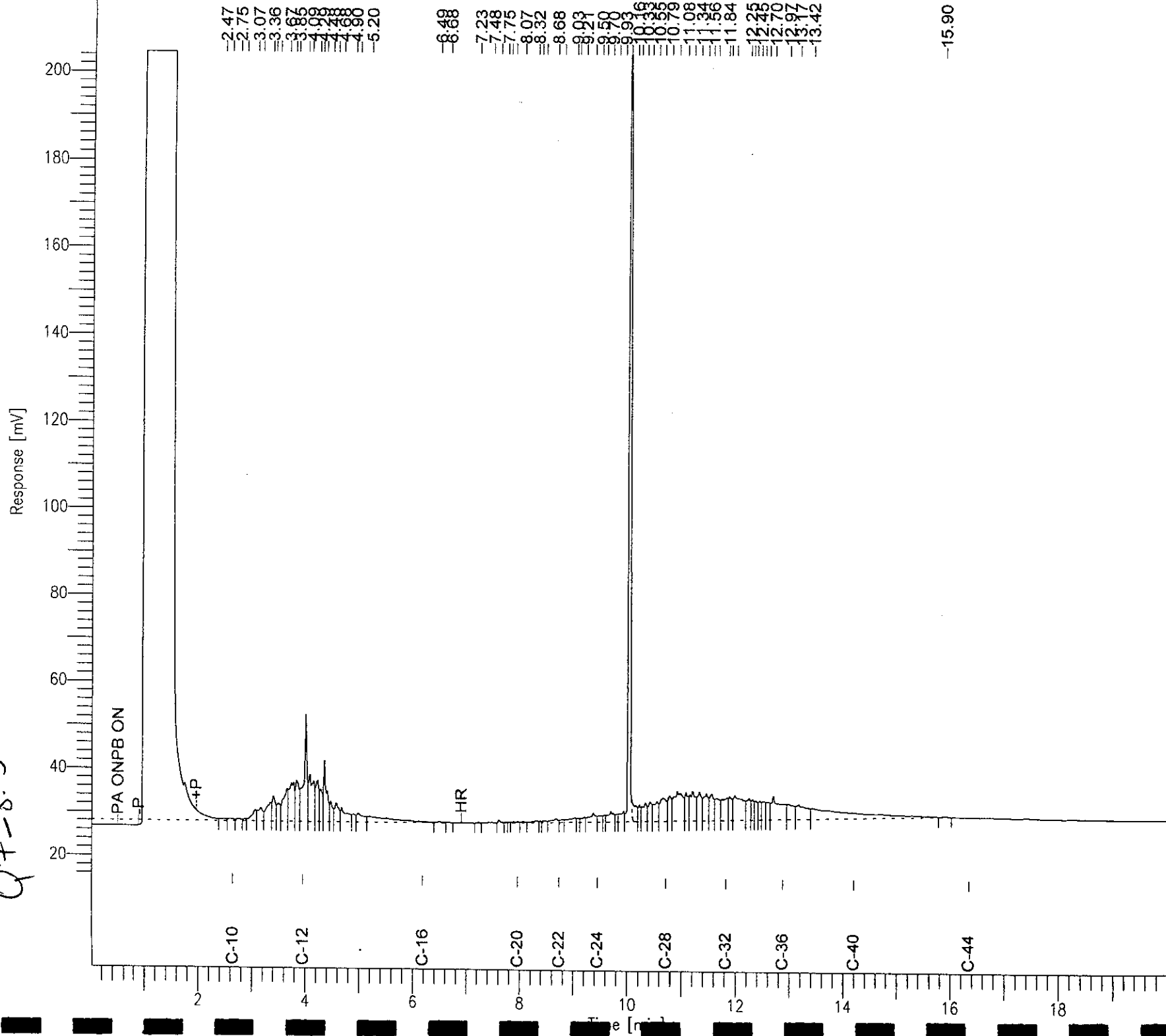
Sample Name : 173776-00989,93510
FileName : G:\GC13\CHB\218B020.RAW
Method : BTER210S.WTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 19.99 min
Plot Offset: 16 mV

Sample #: 93510
Date : 8/6/04 09:33 AM
Time of Injection: 8/5/04 10:01 PM
Low Point : 15.82 mV
Plot Scale: 188.9 mV

Page 1 of 1
High Point : 204.69 mV

Q7-8.5



Chromatogram

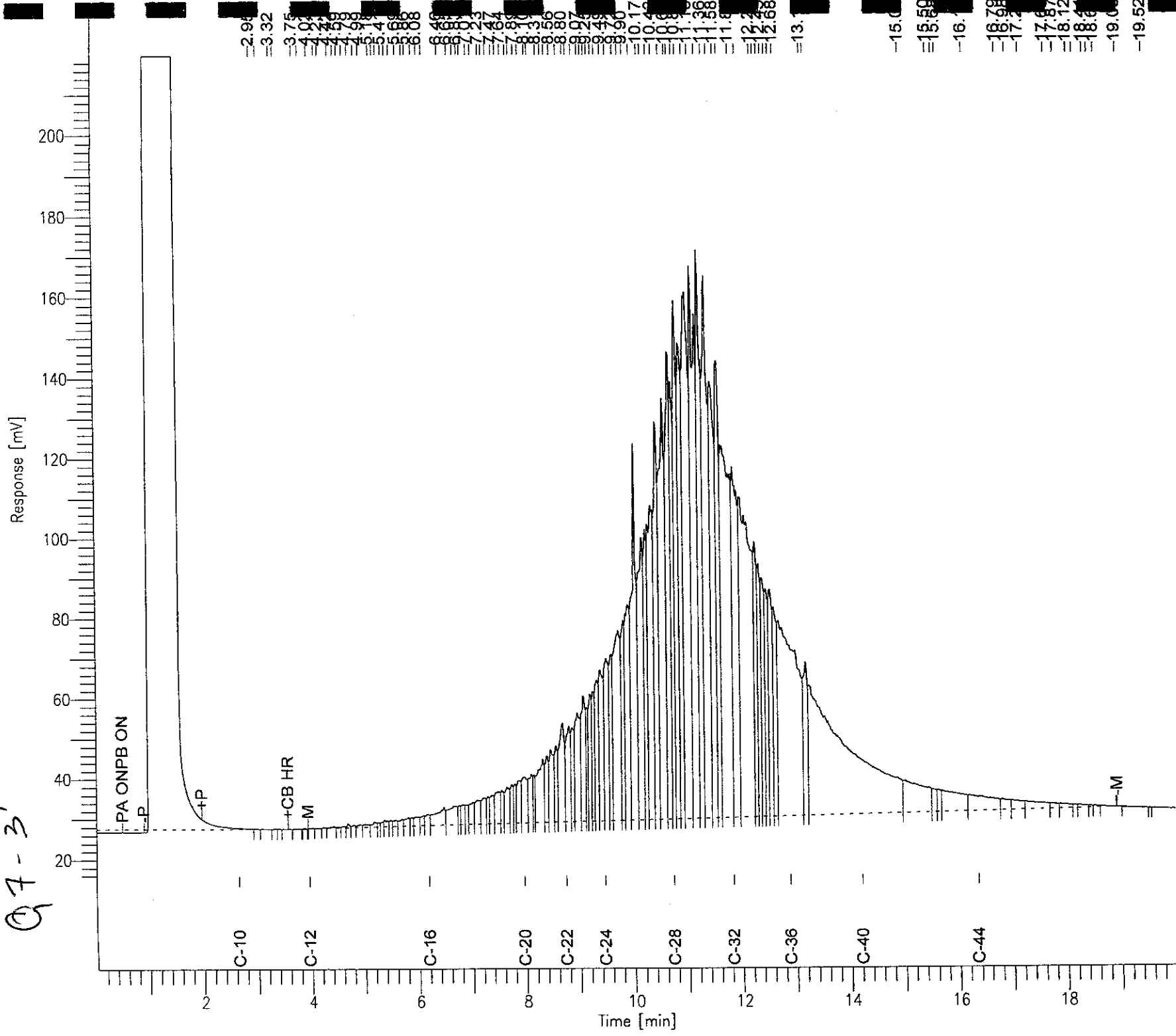
Sample Name : 173776-010sg,93510
FileName : G:\GC13\CHB\218B021.RAW
Method : BFEH210S.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 19.99 min
Plot Offset: 16 mV

Sample #: 93510
Date : 8/6/04 09:34 AM
Time of Injection: 8/5/04 10:29 PM
Low Point : 15.85 mV
Plot Scale: 203.9 mV

Page 1 of 1

Q7-3'



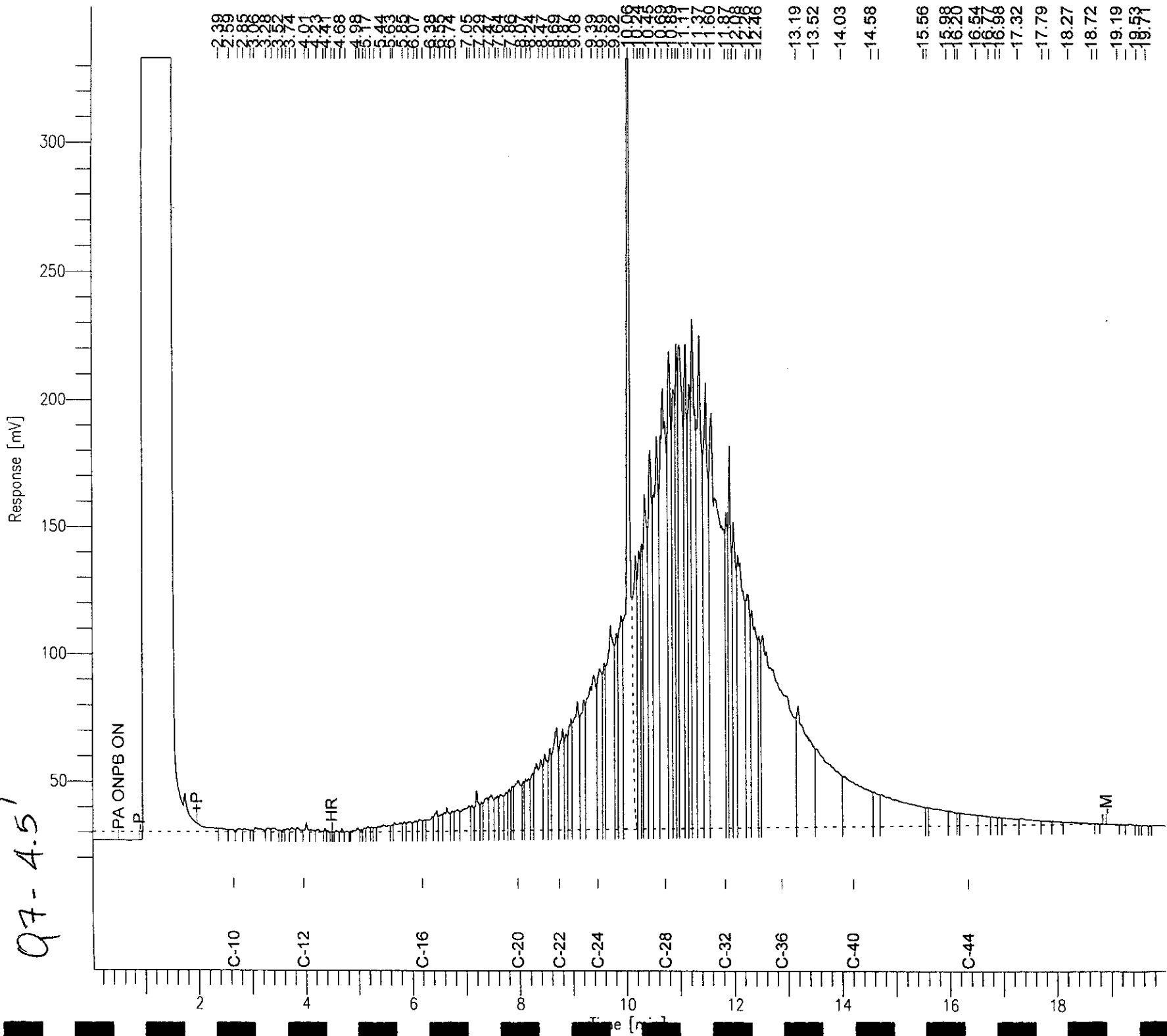
Chromatogram

Sample Name : 173776-011sg,93510
File Name : G:\GC13\CHB\218B022.RAW
Method : BTEH210S.MTH
Start Time : 0.01 min
Scale Factor : 0.0

Sample #: 93510
Date : 8/6/04 09:34 AM
Time of Injection: 8/5/04 10:56 PM
Low Point : 12.15 mV
High Point : 333.10 mV
End Time : 19.99 min
Plot Offset: 12 mV
Plot Scale: 321.0 mV

Page 1 of 1

Q7-4.5'



Chromatogram

Page 1 of 1

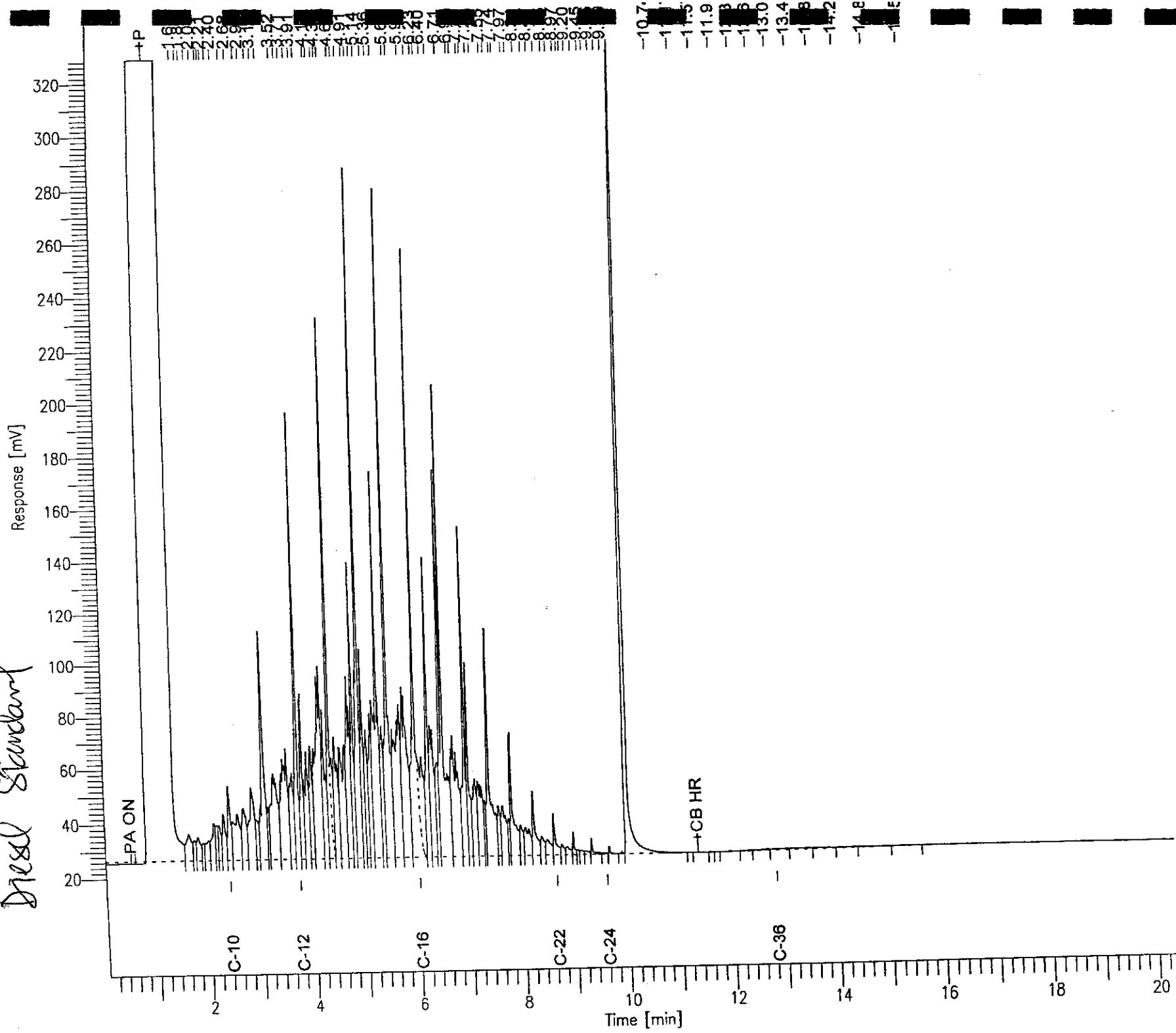
Sample Name : ccv_04ws1410.dsl
File Name : G:\GC11\CHA\218A003.RAW
Method : ATEHZ14S.MTH
Start Time : 0.01 min
Scale Factor : 0.0

End Time : 20.35 min
Plot Offset: 18 mV

Sample #: 500mg/L
Date : 8/5/04 11:59 AM
Time of Injection: 8/5/04 11:34 AM
Low Point : 18.49 mV
Plot Scale: 310.0 mV

High Point : 328.52 mV

Diesel Standard



Chromatogram

Page 1 of 1

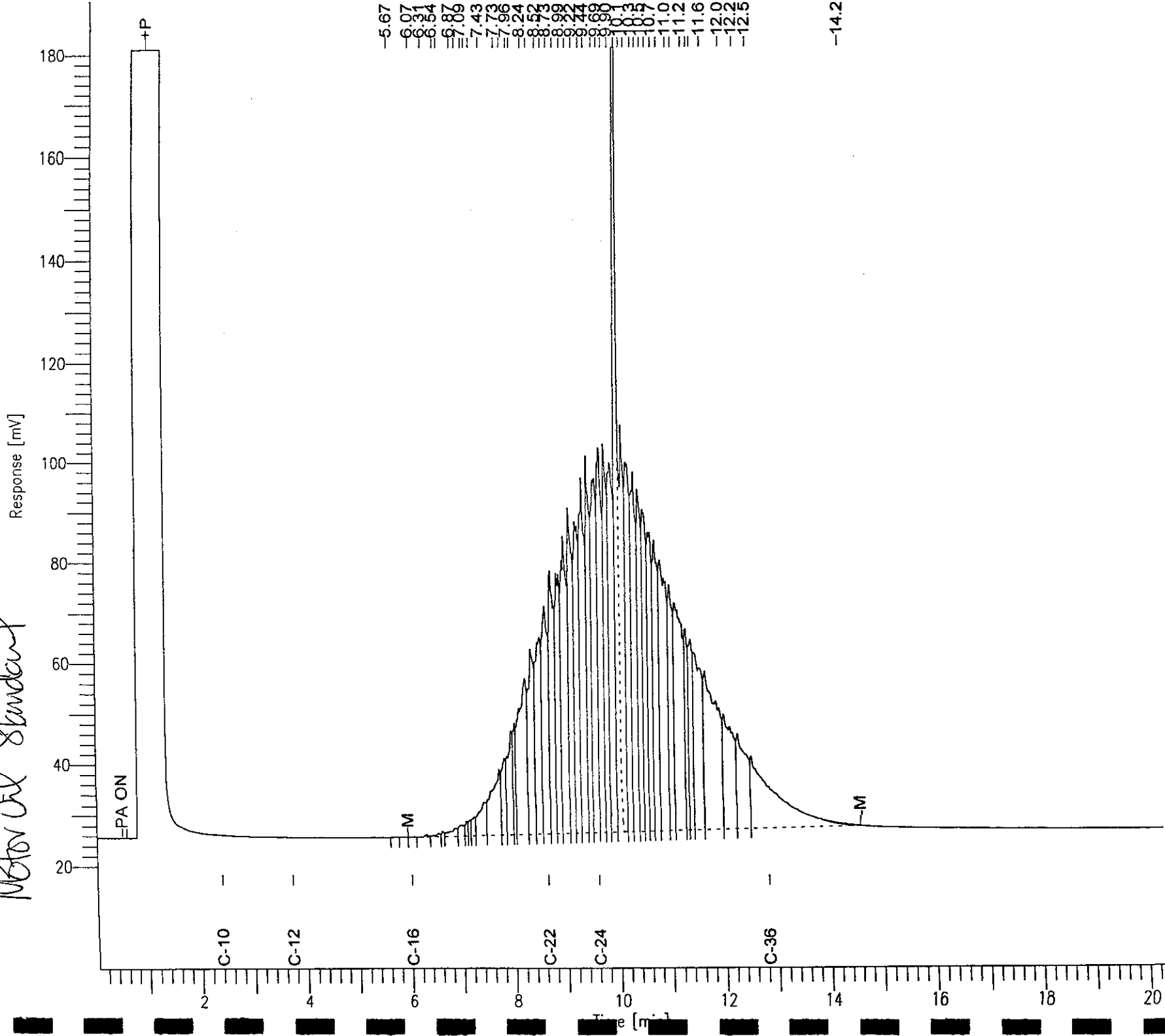
Sample Name : ccv_04ws1425.mo
FileName : G:\GC11\CHA\218A004.RAW
Method : ATEH214S.MTH
Start Time : 0.01 min
Scale Factor: 0.0

Sample #: 500mg/L
Date : 8/5/04 12:43 PM
Time of Injection: 8/5/04 12:03 PM
Low Point : 18.42 mV
Plot Scale: 162.6 mV

End Time : 20.28 min
Plot Offset: 18 mV

High Point : 181.01 mV

Motor Oil Standard





Total Extractable Hydrocarbons

Lab #:	173776	Location:	4311-4333 MACARTHUR BLVD.
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/02/04
Units:	mg/Kg	Received:	08/02/04
Basis:	as received	Prepared:	08/05/04
Batch#:	93510		

Type: BLANK
Lab ID: QC260263
Diln Fac: 1.000
Analyzed: 08/06/04
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	91	52-131

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit
Page 4 of 4

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	173776	Location:	4311-4333 MACARTHUR BLVD.
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC260264	Batch#:	93510
Matrix:	Soil	Prepared:	08/05/04
Units:	mg/Kg	Analyzed:	08/06/04
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.94	41.24	83	56-129

Surrogate	%REC	Limits
Hexacosane	83	52-131

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	173776	Location:	4311-4333 MACARTHUR BLVD.
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	93510
MSS Lab ID:	173796-001	Sampled:	08/03/04
Matrix:	Soil	Received:	08/03/04
Units:	mg/Kg	Prepared:	08/05/04
Basis:	as received	Analyzed:	08/06/04
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3630C
 Lab ID: QC260265

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	1.332	49.80	71.54	141	27-146

Surrogate	%REC	Limits
Hexacosane	118	52-131

Type: MSD Cleanup Method: EPA 3630C
 Lab ID: QC260266

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	50.36	71.23	139	27-146	2	50

Surrogate	%REC	Limits
Hexacosane	115	52-131



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

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

RECEIVED
AUG 18 2004
BY:


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

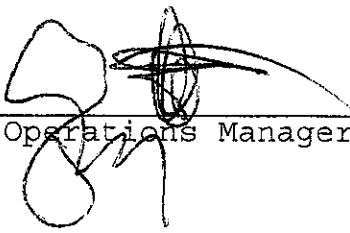
Prepared for:

Questa Engineering Corporation
1220 Brickyard Cove Road
Suite 206
Point Richmond, CA 94801

Date: 16-AUG-04
Lab Job Number: 173777
Project ID: STANDARD
Location: 4311-4333 MACARTHUR BLVD.

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

Reviewed by: 
Project Manager

Reviewed by: 
Operations Manager

This package may be reproduced only in its entirety.

Client: *M. Douglas Construction Inc.* Report To: *Questa* Site Name: *4311-4333 MacArthur Blvd. Oakland*
 Address: *1101 Northgate Road* Bill To: *Questa* Project Manager: *W. Hopkins*
Walnut Creek CA 94598 Billing Reference: *MacArthur, Oakland* Requested Due Date: *Normal Turnaround*
 Project No.: *240126* *8/9/04*

Phone: *(925) 932-3559*
 Sampled by (Print): *W. Hopkins/D. Farrow*
 Sampler Signature: *W. Hopkins*
 Date Sampled: *8/2/04*

ITEM NO.	SAMPLE DESCRIPTION	TIME MATRIX	CONT. TYPE	PRESERVATIVES					ANALYSES REQUEST					REMARKS	
				NO. OF CONTAINERS	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	Cold	CAM 17 (6015/100)	TPH/G/STEX (6015/100/20)	TPH/DMA-w/SEC	VOCS (B260)		SPMS (B272)
1.	<i>Composite 2 (R4, R5, R6, R7)</i>	<i>Soil</i>	<i>Class</i>	1							X	X	X	X	
2.															
3.															
4.															
5.															
6.															
7.															
8.															
9.															

COOLER NOS.	BAILERS	SHIP-OUT DATE	RETURNED DATE	ITEM NO.	RELINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
				1	<i>Joseph Fama</i>	<i>Louanna Curtis</i>	<i>8-2-04</i>	<i>1744</i>

Additional Comments:

Received
 On Ice
 Cold Ambient Intact

Questa Engineering Corporation
 1220 Brickyard Cove Road
 Point Richmond, CA 94807
 P.O. Box 70356
 Phone: (510) 236-6114
 FAX: (510) 236-2423

CHAIN-OF-CUSTODY RECORD
ANALYTICAL REQUEST



Curtis & Tompkins Laboratories Analytical Report

Lab #:	173777	Location:	4311-4333 MACARTHUR BLVD.
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD		
Field ID:	COMP2 (Q4, Q5, Q6, Q9)	Batch#:	93434
Matrix:	Soil	Sampled:	08/02/04
Basis:	as received	Received:	08/02/04
Diln Fac:	1.000		

Type: SAMPLE Analyzed: 08/04/04
 Lab ID: 173777-001

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.98	mg/Kg	EPA 8015B
Benzene	ND	4.9	ug/Kg	EPA 8021B
Toluene	ND	4.9	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.9	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.9	ug/Kg	EPA 8021B
o-Xylene	ND	4.9	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	75	71-138	EPA 8015B
Bromofluorobenzene (FID)	121	73-143	EPA 8015B
Trifluorotoluene (PID)	70	55-135	EPA 8021B
Bromofluorobenzene (PID)	114	58-135	EPA 8021B

Type: BLANK Analyzed: 08/03/04
 Lab ID: QC259964

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.20	mg/Kg	EPA 8015B
Benzene	ND	1.0	ug/Kg	EPA 8021B
Toluene	ND	1.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	1.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	1.0	ug/Kg	EPA 8021B
o-Xylene	ND	1.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	85	71-138	EPA 8015B
Bromofluorobenzene (FID)	128	73-143	EPA 8015B
Trifluorotoluene (PID)	78	55-135	EPA 8021B
Bromofluorobenzene (PID)	122	58-135	EPA 8021B

ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	173777	Location:	4311-4333 MACARTHUR BLVD.
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8021B
Type:	BS	Basis:	as received
Lab ID:	QC259965	Diln Fac:	1.000
Matrix:	Soil	Batch#:	93434
Units:	ug/Kg	Analyzed:	08/03/04

Analyte	Spiked	Result	%REC	Limits
Benzene	100.0	93.43	93	80-120
Toluene	100.0	92.70	93	80-120
Ethylbenzene	100.0	93.77	94	79-120
m,p-Xylenes	100.0	91.70	92	80-120
o-Xylene	100.0	92.68	93	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	64	55-135
Bromofluorobenzene (PID)	101	58-135

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	173777	Location:	4311-4333 MACARTHUR BLVD.
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8021B
Type:	BSD	Basis:	as received
Lab ID:	QC260015	Diln Fac:	1.000
Matrix:	Soil	Batch#:	93434
Units:	ug/Kg	Analyzed:	08/03/04

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	100.0	101.5	101	80-120	8	20
Toluene	100.0	99.87	100	80-120	7	20
methylbenzene	100.0	99.63	100	79-120	6	20
p-Xylenes	100.0	97.58	98	80-120	6	20
o-Xylene	100.0	99.16	99	80-120	7	20

Surrogate	%REC	Limits
Trifluorotoluene (PID)	72	55-135
Bromofluorobenzene (PID)	115	58-135

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	173777	Location:	4311-4333 MACARTHUR BLVD.
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC259966	Diln Fac:	1.000
Matrix:	Soil	Batch#:	93434
Units:	mg/Kg	Analyzed:	08/03/04

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.196	92	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	86	71-138
Bromofluorobenzene (FID)	117	73-143

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #: 173777	Location: 4311-4333 MACARTHUR BLVD.
Client: Questa Engineering Corporation	Prep: EPA 5030B
Project#: STANDARD	Analysis: EPA 8015B
Field ID: ZZZZZZZZZZ	Diln Fac: 1.000
SS Lab ID: 173799-001	Batch#: 93434
Matrix: Soil	Sampled: 08/03/04
Units: mg/Kg	Received: 08/03/04
Basis: as received	

Type: MS Analyzed: 08/05/04
 Lab ID: QC260016

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<0.01200	1.664	1.250	75	47-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	116	71-138
Bromofluorobenzene (FID)	108	73-143

Type: MSD Analyzed: 08/04/04
 Lab ID: QC260017

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1.969	1.090	55	47-120	30	* 23

Surrogate	%REC	Limits
Trifluorotoluene (FID)	133	71-138
Bromofluorobenzene (FID)	109	73-143

*= Value Outside of QC limits; see narrative

% = Relative Percent Difference

**Total Extractable Hydrocarbons**

Lab #:	173777	Location:	4311-4333 MACARTHUR BLVD.
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	COMP2 (Q4, Q5, Q6, Q9)	Batch#:	93446
Matrix:	Soil	Sampled:	08/02/04
Units:	mg/Kg	Received:	08/02/04
Basis:	as received	Prepared:	08/03/04

Type:	SAMPLE	Analyzed:	08/05/04
Lab ID:	173777-001	Cleanup Method:	EPA 3630C
Diln Fac:	5.000		

Analyte	Result	RL
Diesel C10-C24	270 H Y	5.0
Motor Oil C24-C36	1,400	25

Surrogate	%REC	Limits
Hexacosane	88	52-131

Type:	BLANK	Analyzed:	08/04/04
Lab ID:	QC260010	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	87	52-131

H= Heavier hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 D= Not Detected
 L= Reporting Limit
 Page 1 of 1

Chromatogram

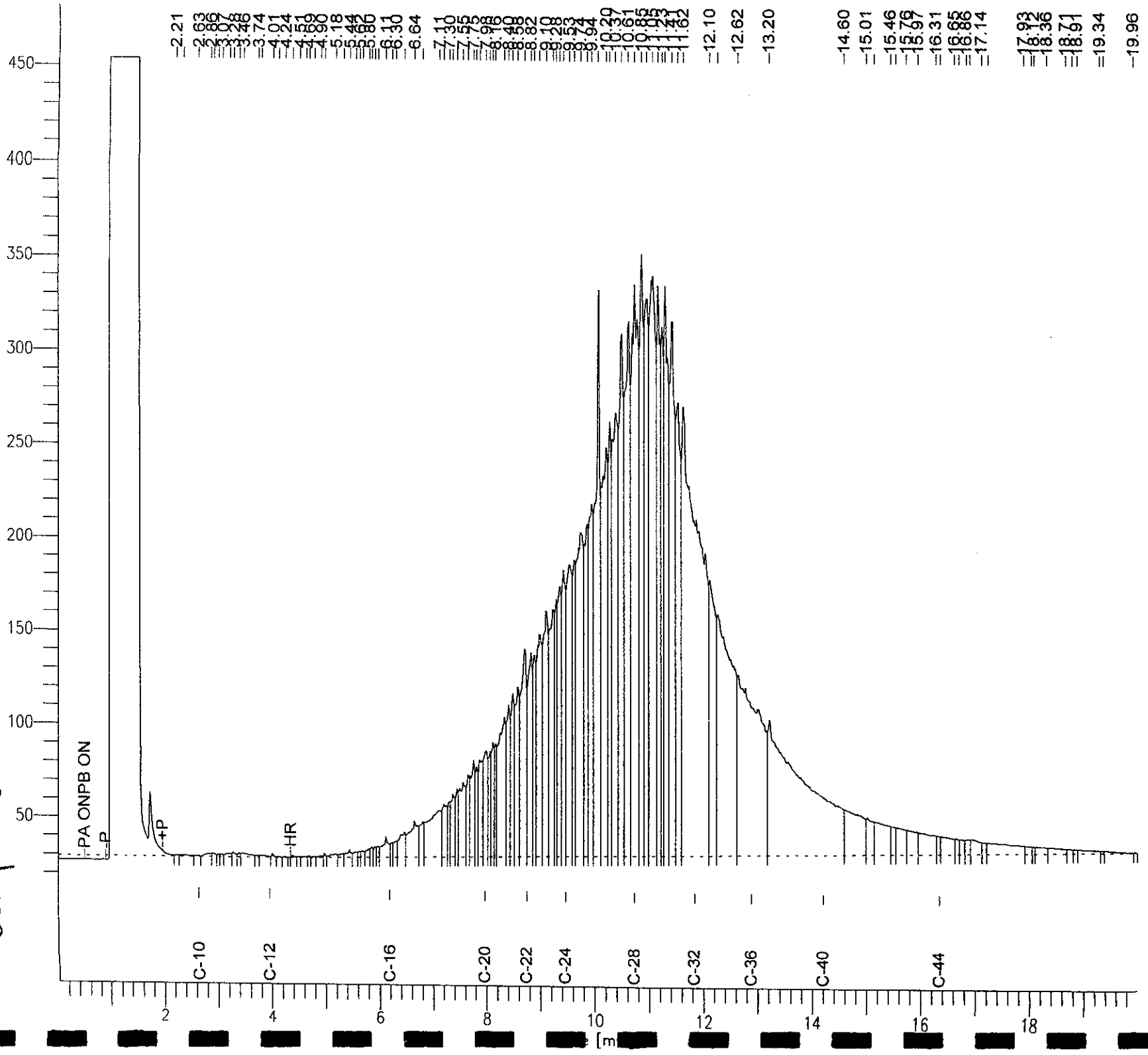
87 8/05/04

Sample Name : 173777-001_93446
FileName : G:\GC13\CHB\2178022.RAW
Method : BPER2109.MTH
Start Time : 0.01 min
Pulse Factor: 0.0

Sample #: 93446
Date : 8/5/04 08:57 AM
Time of Injection: 8/5/04 12:57 AM
Low Point : 12.27 mV
Plot Scale: 441.8 mV
End Time : 19.99 min
Plot Offset: 12 mV
High Point : 454.06 mV

Comp 2 (94,95,96,99)

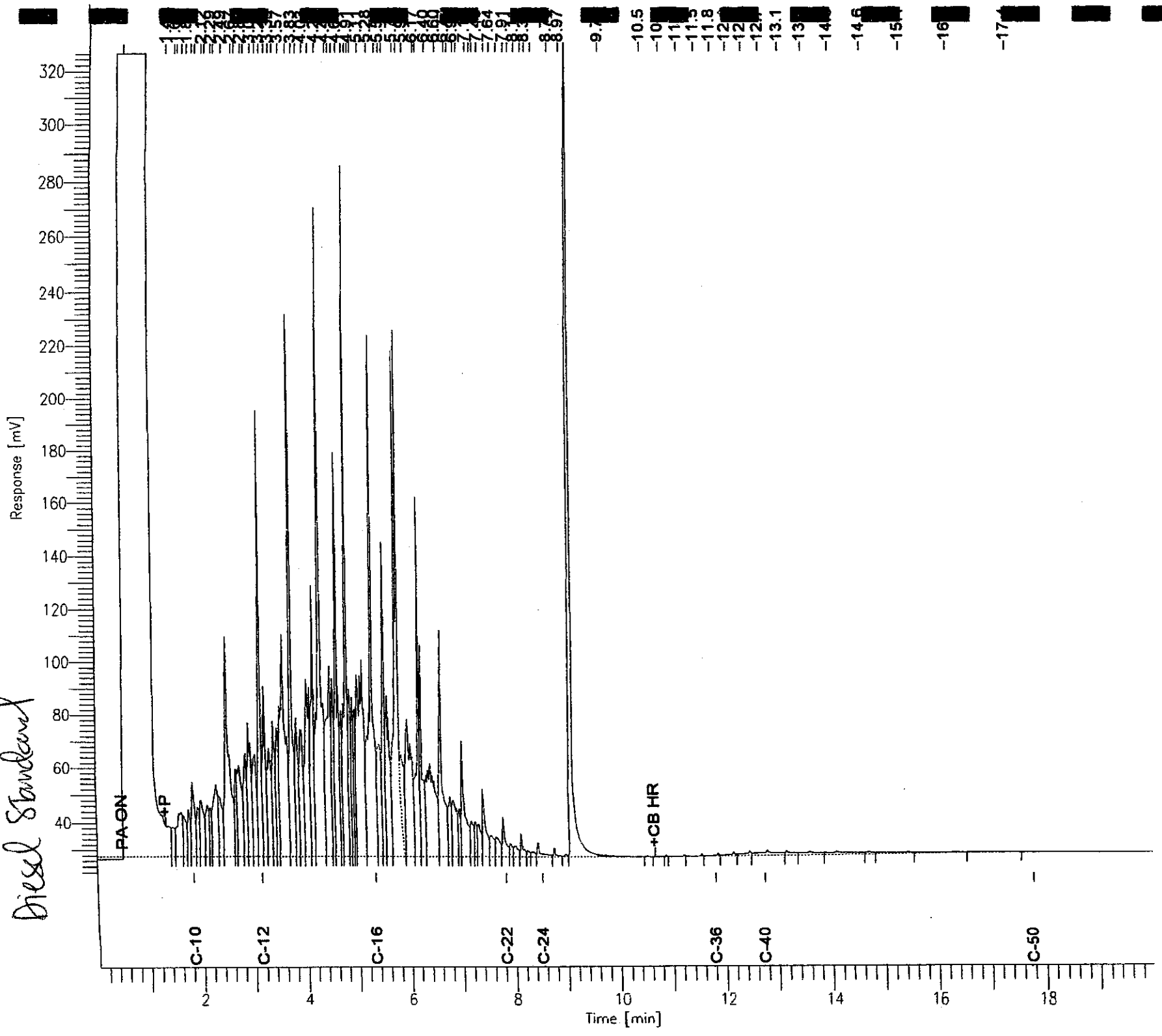
Response [mV]



- 2.21
- 3.69
- 3.86
- 3.97
- 3.98
- 3.74
- 4.01
- 4.24
- 4.56
- 4.68
- 5.18
- 5.44
- 5.62
- 6.30
- 6.64
- 7.10
- 7.30
- 7.55
- 7.78
- 7.98
- 8.40
- 8.52
- 8.88
- 9.25
- 9.54
- 9.64
- 10.29
- 10.91
- 10.93
- 11.33
- 11.42
- 11.62
- 12.10
- 12.62
- 13.20
- 14.60
- 15.01
- 15.46
- 15.79
- 16.31
- 16.85
- 17.14
- 18.93
- 18.36
- 18.71
- 19.34
- 19.96

Sample Name : ccv_04ws1410ds1
 File Name : G:\GC17\CHA\217A003.RAW
 Method : ATEH212.MTH
 Start Time : 0.01 min
 Scale Factor : 0.0
 Sample #: 500mg/L
 Date : 8/4/04 01:57 PM
 Time of Injection: 8/4/04 11:59 AM
 Low Point : 21.75 mV
 Plot Scale: 304.3 mV
 End Time : 19.99 min
 Plot Offset: 22 mV
 High Point : 326.06 mV

Diesel Standard



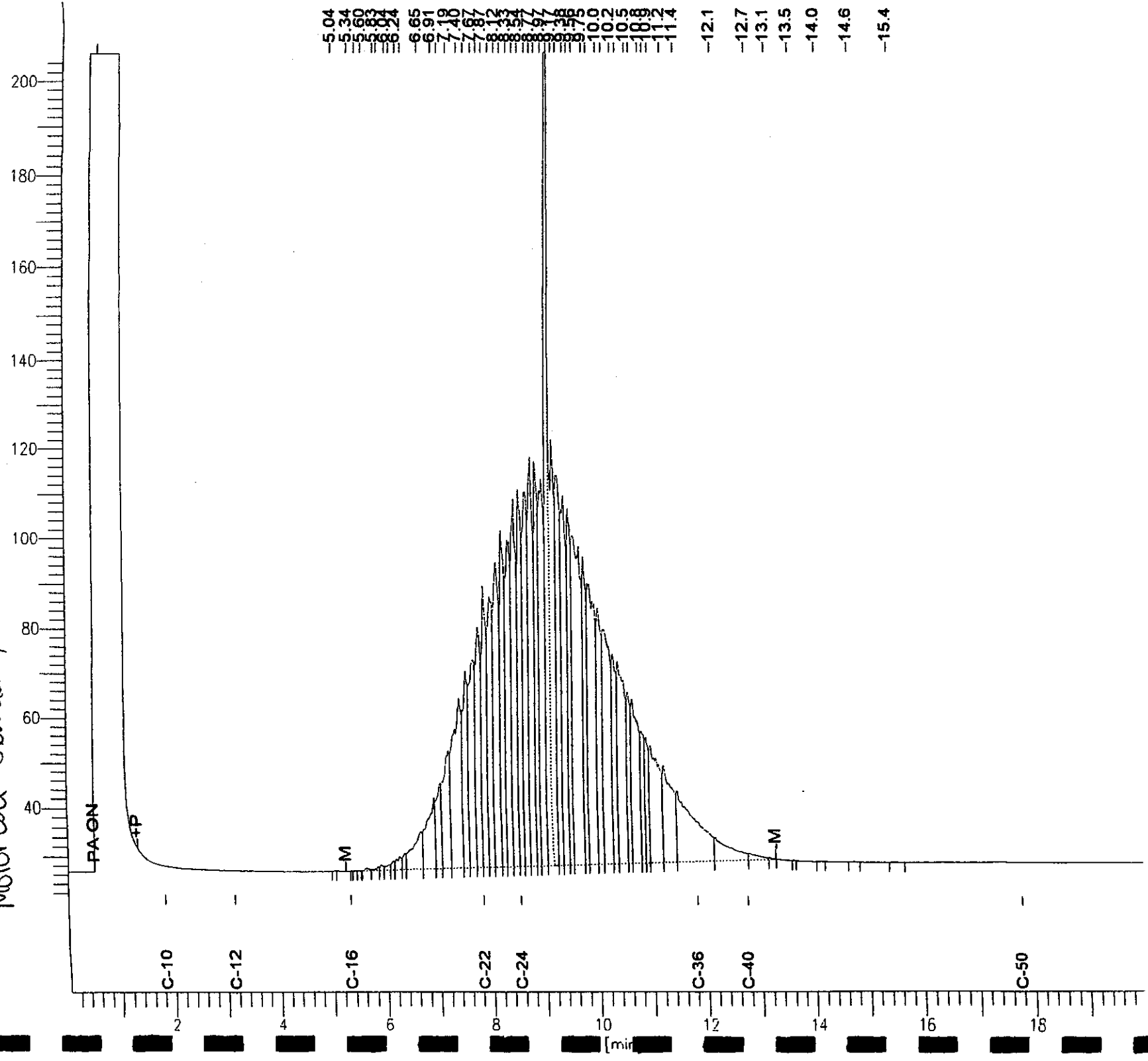
Sample #: 500mg/L
Date : 8/4/04 01:59 PM
Time of Injection: 8/4/04 12:28 PM
Low Point : 21.68 mV
High Point : 205.98 mV
Plot Scale: 184.3 mV

End Time : 19.99 min
Plot Offset: 22 mV

Sample Name : ccv_04wst1425.mo
FileName : G:\GC17\CHA\217A004.RAW
Method : ATEH212.MTH
Start Time : 0.01 min
Inlet Factor: 0.0

Motor Oil Standard

Response [mV]



5.04
5.34
5.60
5.85
6.04
6.24
6.65
6.91
7.18
7.40
7.67
7.87
8.12
8.34
8.57
8.77
8.97
9.17
9.37
9.57
9.77
9.97
10.0
10.5
10.8
11.2
11.4
-12.1
-12.7
-13.1
-13.5
-14.0
-14.6
-15.4

C-10

C-12

C-16

C-22

C-24

C-36

C-40

C-50

[min]

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	173777	Location:	4311-4333 MACARTHUR BLVD.
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC260011	Batch#:	93446
Matrix:	Soil	Prepared:	08/03/04
Units:	mg/Kg	Analyzed:	08/04/04
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.32	40.15	80	56-129

Surrogate	%REC	Limits
Hexacosane	78	52-131



Purgeable Organics by GC/MS

Lab #:	173777	Location:	4311-4333 MACARTHUR BLVD.
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	COMP2 (Q4, Q5, Q6, Q9)	Diln Fac:	1.000
Lab ID:	173777-001	Batch#:	93429
Matrix:	Soil	Sampled:	08/02/04
Units:	ug/Kg	Received:	08/02/04
Basis:	as received	Analyzed:	08/03/04

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	30	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Ethylene Chloride	87	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

D= Not Detected

L= Reporting Limit

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Purgeable Organics by GC/MS

Lab #:	173777	Location:	4311-4333 MACARTHUR BLVD.
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	COMP2 (Q4, Q5, Q6, Q9)	Diln Fac:	1.000
Lab ID:	173777-001	Batch#:	93429
Matrix:	Soil	Sampled:	08/02/04
Units:	ug/Kg	Received:	08/02/04
Basis:	as received	Analyzed:	08/03/04

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	98	80-120
Toluene-d8	100	80-120
Bromofluorobenzene	100	80-123

ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2



Batch QC Report

Purgeable Organics by GC/MS

Lab #:	173777	Location:	4311-4333 MACARTHUR BLVD.
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC259945	Diln Fac:	1.000
Matrix:	Soil	Batch#:	93429
Units:	ug/Kg	Analyzed:	08/03/04

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Ethylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected

RL= Reporting Limit

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Batch QC Report

Purgeable Organics by GC/MS

Lab #:	173777	Location:	4311-4333 MACARTHUR BLVD.
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC259945	Diln Fac:	1.000
Matrix:	Soil	Batch#:	93429
Units:	ug/Kg	Analyzed:	08/03/04

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-120
1,2-Dichloroethane-d4	99	80-120
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-123

ND= Not Detected
 RL= Reporting Limit
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Batch QC Report

Purgeable Organics by GC/MS

Lab #:	173777	Location:	4311-4333 MACARTHUR BLVD.
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Soil	Diln Fac:	1.000
Units:	ug/Kg	Batch#:	93429
Basis:	as received	Analyzed:	08/03/04

Type: BS Lab ID: QC259943

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	53.91	108	78-120
Benzene	50.00	54.12	108	80-120
Trichloroethene	50.00	52.24	104	80-120
Toluene	50.00	52.50	105	80-120
Chlorobenzene	50.00	52.56	105	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-120
1,2-Dichloroethane-d4	99	80-120
Toluene-d8	99	80-120
Bromofluorobenzene	91	80-123

Type: BSD Lab ID: QC259944

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	52.45	105	78-120	3	20
Benzene	50.00	52.15	104	80-120	4	20
Trichloroethene	50.00	49.93	100	80-120	5	20
Toluene	50.00	51.62	103	80-120	2	20
Chlorobenzene	50.00	50.98	102	80-120	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-120
1,2-Dichloroethane-d4	98	80-120
Toluene-d8	99	80-120
Bromofluorobenzene	94	80-123

RPD = Relative Percent Difference



Batch QC Report

Purgeable Organics by GC/MS

Lab #:	173777	Location:	4311-4333 MACARTHUR BLVD.
Client:	Questa Engineering Corporation	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.9434
MSS Lab ID:	173783-004	Batch#:	93429
Matrix:	Soil	Sampled:	08/02/04
Units:	ug/Kg	Received:	08/03/04
Basis:	as received	Analyzed:	08/03/04

Type: MS Lab ID: QC259974

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.4300	47.17	48.74	103	69-120
Benzene	<0.05200	47.17	49.03	104	67-120
Trichloroethene	<0.1000	47.17	46.96	100	62-131
Toluene	<0.1300	47.17	48.02	102	61-120
Chlorobenzene	<0.07200	47.17	46.06	98	58-120

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	99	80-120
Toluene-d8	100	80-120
Bromofluorobenzene	94	80-123

Type: MSD Lab ID: QC259975

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	47.17	47.52	101	69-120	3	20
Benzene	47.17	47.08	100	67-120	4	20
Trichloroethene	47.17	45.87	97	62-131	2	20
Toluene	47.17	45.28	96	61-120	6	20
Chlorobenzene	47.17	43.78	93	58-120	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	101	80-120
Toluene-d8	101	80-120
Bromofluorobenzene	93	80-123

RPD= Relative Percent Difference



California Title 26 Metals

Lab #: 173777	Project#: STANDARD
Client: Questa Engineering Corporation	Location: 4311-4333 MACARTHUR BLVD.
Field ID: COMP2 (Q4, Q5, Q6, Q9)	Basis: as received
Lab ID: 173777-001	Diln Fac: 1.000
Matrix: Soil	Sampled: 08/02/04
Units: mg/Kg	Received: 08/02/04

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	2.9	93417	08/02/04	08/03/04	EPA 3050	EPA 6010B
Arsenic	2.6	0.25	93417	08/02/04	08/03/04	EPA 3050	EPA 6010B
Barium	140	0.49	93417	08/02/04	08/03/04	EPA 3050	EPA 6010B
Beryllium	0.39	0.098	93417	08/02/04	08/03/04	EPA 3050	EPA 6010B
Cadmium	ND	0.25	93417	08/02/04	08/03/04	EPA 3050	EPA 6010B
Chromium	32	0.49	93417	08/02/04	08/03/04	EPA 3050	EPA 6010B
Cobalt	14	0.98	93417	08/02/04	08/03/04	EPA 3050	EPA 6010B
Copper	22	0.49	93417	08/02/04	08/03/04	EPA 3050	EPA 6010B
Lead	17	0.15	93417	08/02/04	08/03/04	EPA 3050	EPA 6010B
Mercury	0.10	0.018	93473	08/04/04	08/04/04	METHOD	EPA 7471
Molybdenum	ND	0.98	93417	08/02/04	08/03/04	EPA 3050	EPA 6010B
Nickel	30	0.98	93417	08/02/04	08/03/04	EPA 3050	EPA 6010B
Selenium	0.30	0.25	93417	08/02/04	08/03/04	EPA 3050	EPA 6010B
Silver	ND	0.25	93417	08/02/04	08/03/04	EPA 3050	EPA 6010B
Thallium	ND	0.25	93417	08/02/04	08/03/04	EPA 3050	EPA 6010B
Titanium	47	0.49	93417	08/02/04	08/03/04	EPA 3050	EPA 6010B
Zinc	55	0.98	93417	08/02/04	08/03/04	EPA 3050	EPA 6010B

ND= Not Detected

RL Reporting Limit

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Batch QC Report

California Title 26 Metals

Lab #:	173777	Location:	4311-4333 MACARTHUR BLVD.
Client:	Questa Engineering Corporation	Prep:	EPA 3050
Project#:	STANDARD	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC259891	Batch#:	93417
Matrix:	Soil	Prepared:	08/02/04
Units:	mg/Kg	Analyzed:	08/03/04
Basis:	as received		

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

ND= Not Detected
RL= Reporting Limit
Page 1 of 1



Batch QC Report

California Title 26 Metals

Lab #:	173777	Location:	4311-4333 MACARTHUR BLVD.
Client:	Questa Engineering Corporation	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7471
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC260122	Batch#:	93473
Matrix:	Soil	Prepared:	08/04/04
Units:	mg/Kg	Analyzed:	08/04/04

Result	RL
ND	0.020



Batch QC Report

California Title 26 Metals

Lab #:	173777	Location:	4311-4333 MACARTHUR BLVD.
Client:	Questa Engineering Corporation	Prep:	EPA 3050
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	93417
Units:	mg/Kg	Prepared:	08/02/04
Basis:	as received	Analyzed:	08/03/04
Diln Fac:	1.000		

Type: BS Lab ID: QC259892

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	101.0	101	79-128
Arsenic	50.00	51.50	103	79-120
Barium	100.0	96.00	96	80-120
Beryllium	2.500	2.635	105	80-120
Cadmium	10.00	9.750	98	79-120
Chromium	100.0	103.0	103	80-120
Cobalt	25.00	25.55	102	77-120
Copper	12.50	12.95	104	80-120
Lead	100.0	103.0	103	78-120
Molybdenum	20.00	20.45	102	80-120
Nickel	25.00	24.95	100	79-120
Selenium	50.00	51.00	102	71-120
Silver	10.00	10.40	104	78-120
Thallium	50.00	49.40	99	73-120
Vanadium	25.00	25.75	103	80-120
Zinc	25.00	25.35	101	76-120

Type: BSD Lab ID: QC259893

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	100.5	101	79-128	0	20
Arsenic	50.00	50.50	101	79-120	2	20
Barium	100.0	95.00	95	80-120	1	20
Beryllium	2.500	2.575	103	80-120	2	20
Cadmium	10.00	9.500	95	79-120	3	20
Chromium	100.0	100.5	101	80-120	2	20
Cobalt	25.00	24.90	100	77-120	3	20
Copper	12.50	12.70	102	80-120	2	20
Lead	100.0	100.0	100	78-120	3	20
Molybdenum	20.00	20.30	102	80-120	1	20
Nickel	25.00	24.35	97	79-120	2	20
Selenium	50.00	50.00	100	71-120	2	20
Silver	10.00	10.20	102	78-120	2	20
Thallium	50.00	48.10	96	73-120	3	20
Vanadium	25.00	25.15	101	80-120	2	20
Zinc	25.00	24.80	99	76-120	2	20



Batch QC Report

California Title 26 Metals

Lab #: 173777	Location: 4311-4333 MACARTHUR BLVD.
Client: Questa Engineering Corporation	Prep: EPA 3050
Project#: STANDARD	Analysis: EPA 6010B
Field ID: ZZZZZZZZZZ	Batch#: 93417
MSS Lab ID: 173676-005	Sampled: 07/27/04
Matrix: Soil	Received: 07/27/04
Units: mg/Kg	Prepared: 08/02/04
Basis: as received	Analyzed: 08/03/04
Diln Fac: 1.000	

Type: MS Lab ID: QC259894

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	3.023	101.0	27.02	24	1-120
Arsenic	2.399	50.51	48.08	90	57-120
Barium	129.1	101.0	199.5	70	52-134
Beryllium	0.1618	2.525	2.424	90	65-120
Cadmium	1.203	10.10	9.091	78	57-120
Chromium	178.4	101.0	262.6	83	55-120
Cobalt	30.95	25.25	52.02	83	52-120
Copper	47.06	12.63	63.13	127	47-143
Lead	3.232	101.0	88.89	85	42-125
Molybdenum	0.5065	20.20	16.92	81	45-120
Nickel	315.7	25.25	274.7	-162	NM 36-138
Selenium	<0.1100	50.51	44.19	88	42-120
Silver	<0.01800	10.10	9.545	95	66-120
Thallium	<0.09800	50.51	39.70	79	48-120
Vanadium	67.65	25.25	99.49	126	45-136
Zinc	52.94	25.25	79.29	104	34-139

Type: MSD Lab ID: QC259895

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	95.24	25.86	24	1-120	1	44
Arsenic	47.62	46.05	92	57-120	1	28
Barium	95.24	199.5	74	52-134	3	20
Beryllium	2.381	2.329	91	65-120	1	20
Cadmium	9.524	8.667	78	57-120	0	20
Chromium	95.24	248.1	73	55-120	4	20
Cobalt	23.81	50.48	82	52-120	0	20
Copper	11.90	60.48	113	47-143	3	21
Lead	95.24	86.19	87	42-125	3	30
Molybdenum	19.05	16.43	84	45-120	3	20
Nickel	23.81	256.2	-250	NM 36-138	7	24
Selenium	47.62	43.29	91	42-120	4	23
Silver	9.524	9.238	97	66-120	3	20
Thallium	47.62	39.48	83	48-120	5	25
Vanadium	23.81	90.48	96	45-136	8	20
Zinc	23.81	75.24	94	34-139	3	24

NM= Not Meaningful: Sample concentration > 4X spike concentration

RPD= Relative Percent Difference

Page 1 of 1



Batch QC Report

California Title 26 Metals

Lab #:	173777	Location:	4311-4333 MACARTHUR BLVD.
Client:	Questa Engineering Corporation	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7471
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	93473
Units:	mg/Kg	Prepared:	08/04/04
Basis:	as received	Analyzed:	08/04/04

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC260123	0.5000	0.5280	106	80-120		
BSD	QC260124	0.5000	0.5180	104	80-120	2	20



Batch QC Report

California Title 26 Metals

Lab #:	173777	Location:	4311-4333 MACARTHUR BLVD.
Client:	Questa Engineering Corporation	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7471
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	93473
MSS Lab ID:	173759-005	Sampled:	07/27/04
Matrix:	Soil	Received:	08/28/04
Units:	mg/Kg	Prepared:	08/04/04
Basis:	as received	Analyzed:	08/04/04

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC260125	0.04622	0.4808	0.6087	117	74-131		
MSD	QC260126		0.4464	0.5679	117	74-131	0	22

Appendix B



NOV 05 1984

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

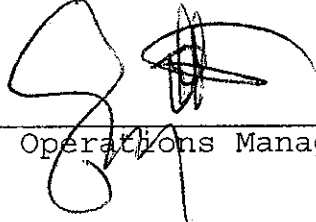
Prepared for:

Questa Engineering Corporation
1220 Brickyard Cove Road
Suite 206
Point Richmond, CA 94801

Date: 02-NOV-04
Lab Job Number: 175490
Project ID: STANDARD
Location: M. Douglas Construction

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

Reviewed by: 
Project Manager

Reviewed by: 
Operations Manager

This package may be reproduced only in its entirety.

CASE NARRATIVE

Laboratory number: 175490
Client: Questa Engineering Corporation
Location: M. Douglas Construction
Request Date: 10/22/04
Samples Received: 10/22/04

This hardcopy data package contains sample and QC results for thirteen soil samples, requested for the above referenced project on 10/22/04. The samples were received cold and intact.

TPH-Extractables by GC (EPA 8015B):

No analytical problems were encountered.

Client: *M. Vaughan Construction, Inc.*

Report To: *Questa*

Site Name: *431-433 MacArthur Blvd, Danvers*

Address: *Walnut Creek, CA*

Bill To: *Questa*

Project Manager: *W. Hopkins*

Billing Reference: *240126/MacArthur Blvd*

Requested Due Date:

Project No.: *240126*

Phone: *(925) 250-5674*

PRESERVATIVES					ANALYSES REQUEST					REMARKS
NO. OF CONTAINERS	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	TEH as	diethyl	motor oil	silica gel	cleaning	Due date Thursday 10/26
					X	—	—	—		
					X	—	—	—		
					X	—	—	—		
					X	—	—	—		
					X	—	—	—		
					X	—	—	—		
					X	—	—	—		
					X	—	—	—		
					X	—	—	—		

Sampled by (Print): *W. Hopkins*

Sampler Signature: *W. Hopkins*

Date Sampled: *10/22/04*

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	CONT. TYPE
1.	<i>QE1@surface</i>	<i>715</i>	<i>Soil</i>	<i>Glass</i>
2.	<i>QE2@1.0'</i>	<i>1150</i>	<i>Soil</i>	<i>Glass</i>
3.	<i>QE2@2.5'</i>	<i>1140</i>	<i>Soil</i>	<i>Glass</i>
4.	<i>QE3@1.0'</i>	<i>1205</i>	<i>Soil</i>	<i>Glass</i>
5.	<i>QE3@3.0'</i>	<i>1200</i>	<i>Soil</i>	<i>Glass</i>
6.	<i>QE4@4.0'</i>	<i>1245</i>	<i>Soil</i>	<i>Glass</i>
7.	<i>QE5@4.0'</i>	<i>1250</i>	<i>Soil</i>	<i>Glass</i>
8.	<i>QE6@1.5'</i>	<i>1305</i>	<i>Soil</i>	<i>Glass</i>
9.	<i>QE6@3.5'</i>	<i>1255</i>	<i>Soil</i>	<i>Glass</i>

COOLER NOS.	BAILERS	SHIP OUT DATE	RETURNED DATE	ITEM NO.	RELINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
					<i>W. Hopkins/Questa</i>	<i>Pat Flynn</i>	<i>10/22/04</i>	<i>245PM</i>
								<i>1445</i>

Additional Comments:

Received On Ice
 Cold Ambient Intact

Questa Engineering Corporation

1220 Brickyard Cove Road
 Point Richmond, CA 94807
 P.O. Box 70356
 Phone: (510) 236-6114
 FAX: (510) 236-2423

CHAIN-OF-CUSTODY RECORD

ANALYTICAL REQUEST

115470

Client: *M. Douglas Construction, Inc.*
Address: *Walnut Creek, CA*

Report To: *Questa*
Bill To: *Questa*
Billing Reference: *240126/MacArthur Det.*
Project No.: *240126*

Site Name: *4311-4333 MacArthur Blvd, Oakland*
Project Manager: *W. Hopkins*
Requested Due Date:

Phone: *(925) 250-5674*
Sampled by (Print): *W. Hopkins*
Sampler Signature: *W. Hopkins*
Date Sampled: *10/22/04*

PRESERVATIVES ANALYSES REQUEST REMARKS

NO. OF CONTAINERS	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	ANALYSES REQUEST				REMARKS
					TPH as directed	metals as directed	Silica bed	cleanup	
1					X				Due 10/26/04
2					X				
3					X				
4					X				

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	CONT. TYPE
1	QE 7 @ 2.0'	1300	Soil	Glass
2	QE 8 @ 1.0'	1345	Soil	Glass
3	QE 9 @ 0.5'	1350	Soil	Glass
4	QE 10 @ 1.5'	1355	Soil	Glass

Received
 On Ice
 Cold
 Ambient
 Intact

COOLER NOS.	BAILERS	SHIP OUT DATE	RETURNED DATE	ITEM NO.	RELINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
					<i>W. Hopkins / Questa</i>	<i>Pat Karpman</i>	<i>10/22/04</i>	<i>1445</i>

Additional Comments:

Questa Engineering Corporation
 1220 Brickyard Cove Road
 Point Richmond, CA 94807
 P.O. Box 70356
 Phone: (510) 236-6114
 FAX: (510) 236-2423

CHAIN-OF-CUSTODY RECORD
 ANALYTICAL REQUEST



Total Extractable Hydrocarbons

Lab #:	175490	Location:	M. Douglas Construction
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	10/22/04
Units:	mg/Kg	Received:	10/22/04
Basis:	as received	Prepared:	10/25/04
Batch#:	95762		

Field ID:	QE1@SURFACE	Diln Fac:	10.00
Type:	SAMPLE	Analyzed:	10/26/04
Lab ID:	175490-001	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	360 H Y	10
Motor Oil C24-C36	860	50

Surrogate	%REC	Limits
Hexacosane	DO	55-134

Field ID:	QE2@1.0'	Diln Fac:	10.00
Type:	SAMPLE	Analyzed:	10/26/04
Lab ID:	175490-002	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	200 H Y	10
Motor Oil C24-C36	830	50

Surrogate	%REC	Limits
Hexacosane	DO	55-134

Field ID:	QE2@2.5'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	10/25/04
Lab ID:	175490-003	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	11 H Y	1.0
Motor Oil C24-C36	21	5.0

Surrogate	%REC	Limits
Hexacosane	90	55-134

Field ID:	QE3@1.0'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	10/25/04
Lab ID:	175490-004	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	1.2 H Y	0.99
Motor Oil C24-C36	8.2	5.0

Surrogate	%REC	Limits
Hexacosane	108	55-134

Heavier hydrocarbons contributed to the quantitation
 Sample exhibits chromatographic pattern which does not resemble standard

DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit

Chromatogram

Sample Name : 175490-001sg, 95762
FileName : G:\GC15\CHB\299B026.RAW
Method : BTEH24SS.MTH
Start Time : 0.01 min
Scale Factor: 0.0

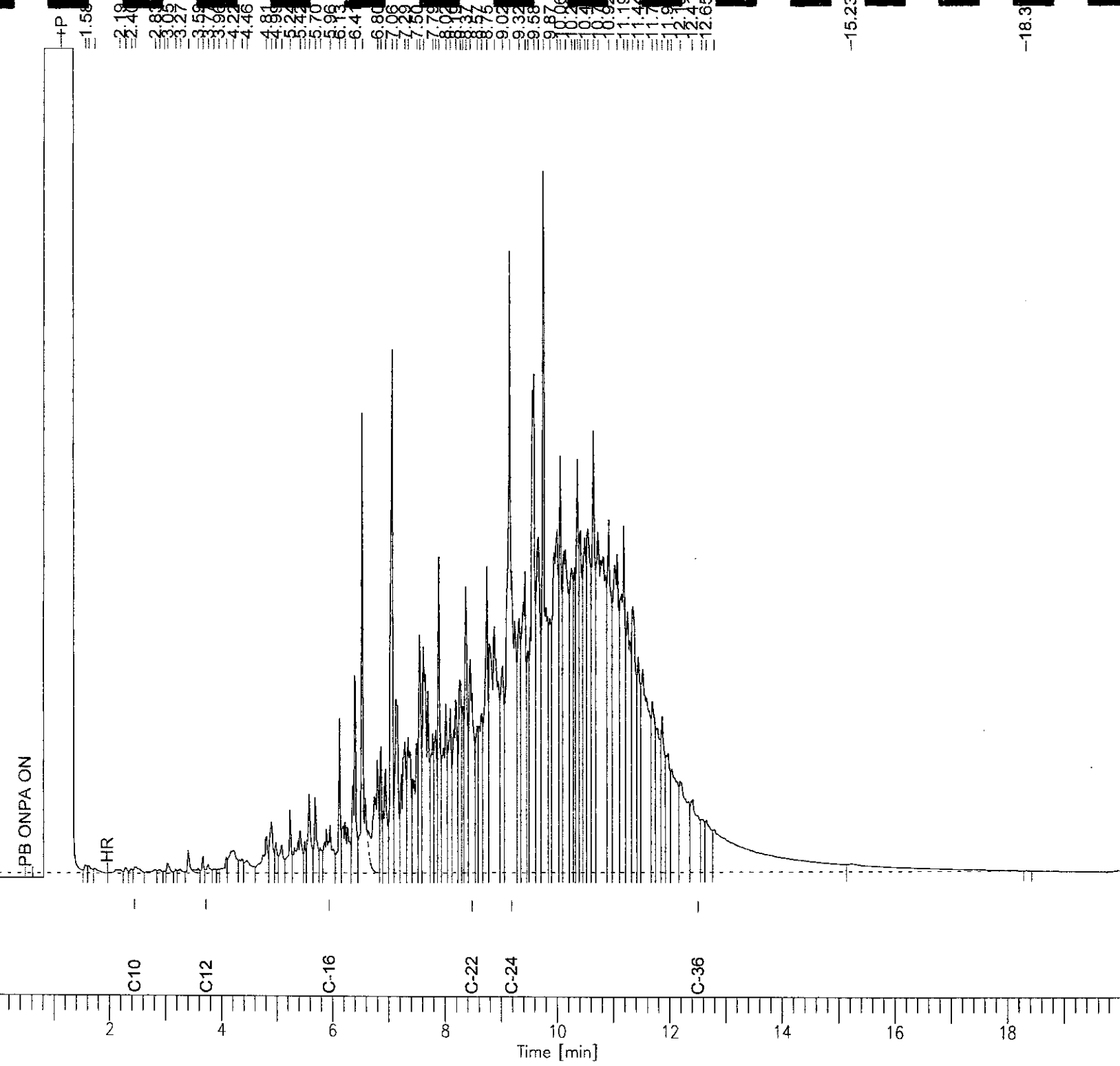
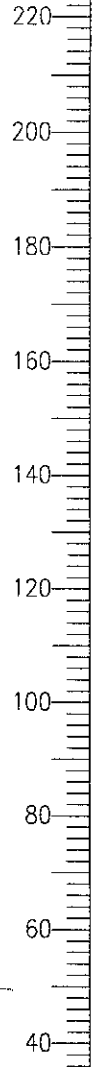
End Time : 19.99 min
Plot Offset: 20 mV

Sample #: 95762
Date : 10/26/04 08:56 AM
Time of Injection: 10/26/04 01:15 AM
Low Point : 20.15 mV
Plot Scale: 216.8 mV

Page 1 of 1
High Point : 236.93 mV

GC15

Response [mV]



-15.23

-18.3

Chromatogram

Sample Name : 175490-0025g,95762
FileName : G:\GC15\CHB\299B047.RAW
Method : BRH2455.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 19.99 min
Plot Offset: 24 mV

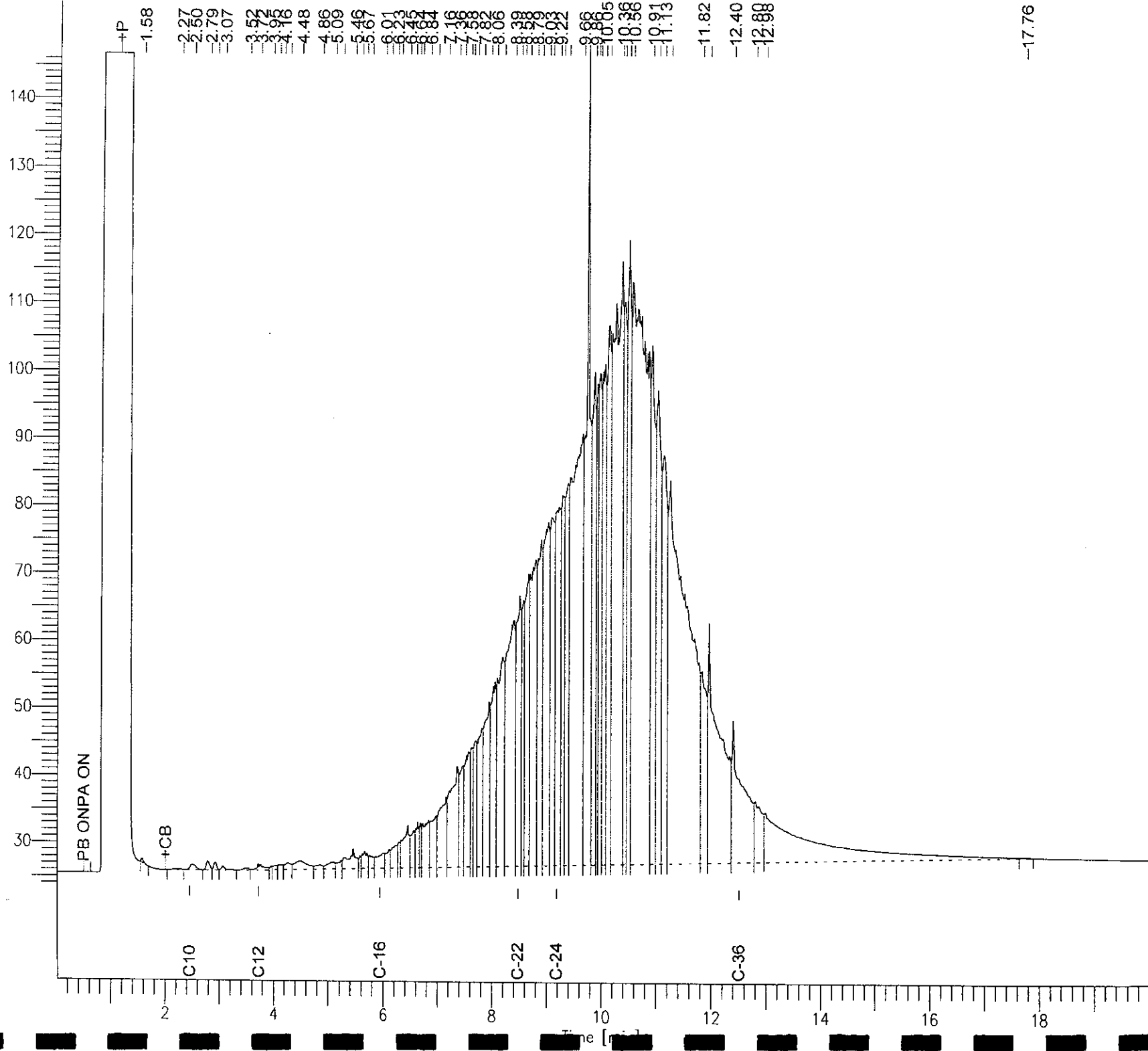
Sample #: 95762
Date : 10/26/04 03:00 PM
Time of Injection: 10/26/04 11:28 AM
Low Point : 23.53 mV
Plot Scale: 123.2 mV

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High Point : 146.71 mV

GC 15

Response [mV]



Chromatogram

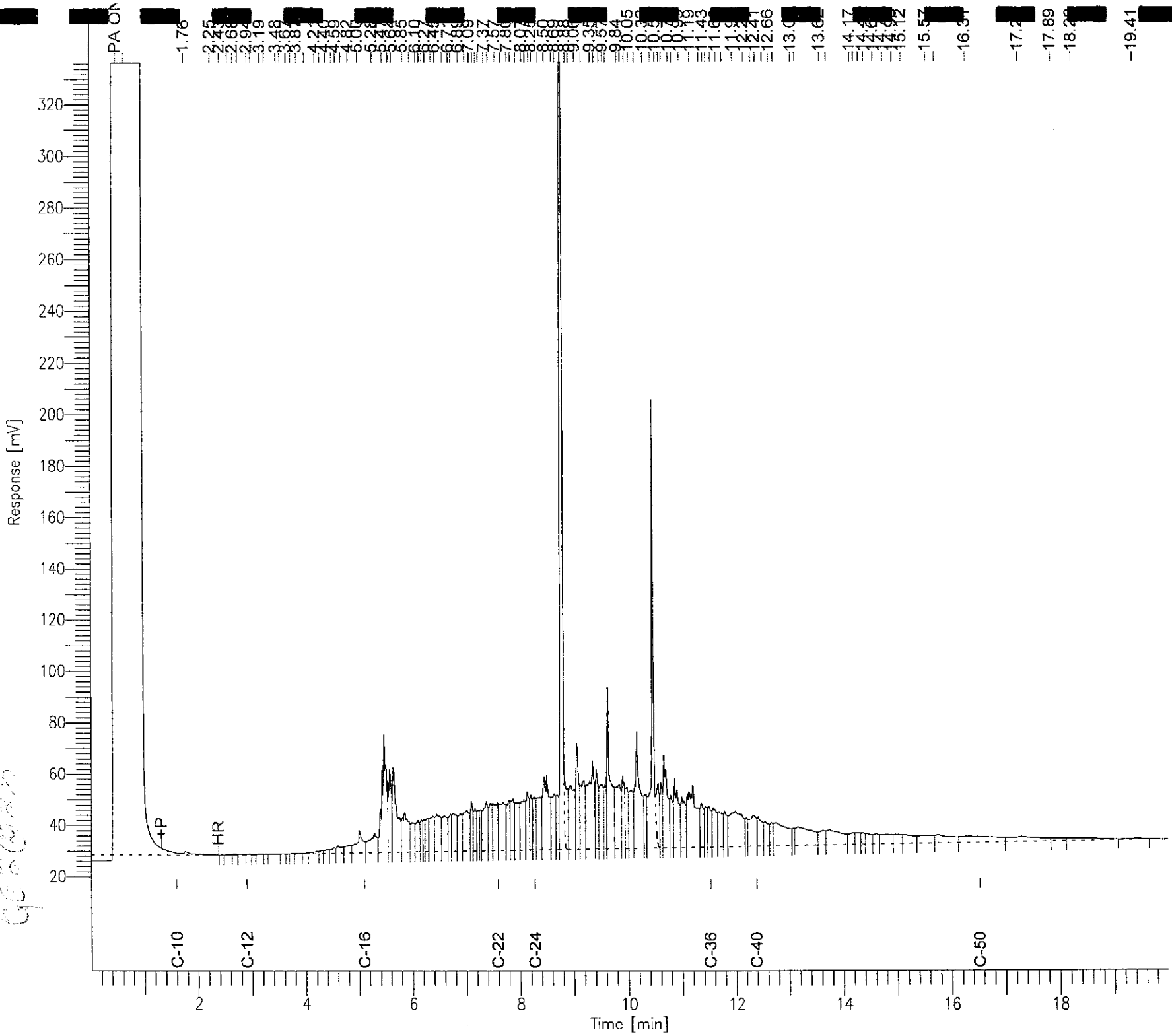
Sample Name : 175490-003sg,95762
FileName : G:\GC17\CHA\299A021.RAW
Method : ATEH293.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 19.99 min
Plot Offset: 19 mV

Sample #: 95762
Date : 10/26/04 08:18 AM
Time of Injection: 10/25/04 10:40 PM
Low Point : 19.16 mV
Plot Scale: 317.2 mV

Page 1 of 1

GC 17 (2004.10.25)



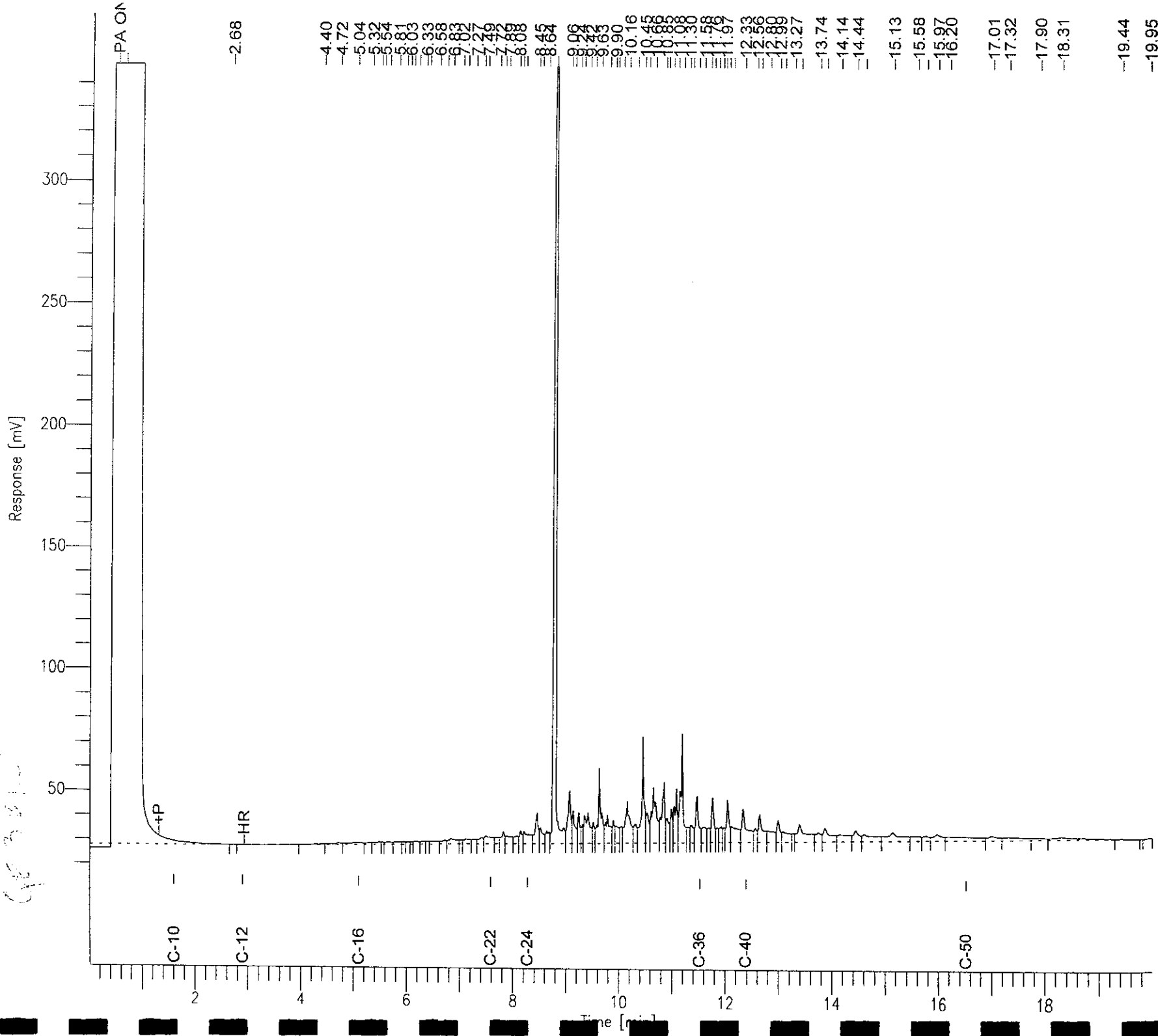
Chromatogram

Sample Name : 175490-004sq,95762
FileName : G:\GC17\CHA\299A022.RAW
Method : ATEH293.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 19.99 min
Plot Offset: 15 mV

Sample #: 95762
Date : 10/26/04 08:19 AM
Time of Injection: 10/25/04 11:09 PM
Low Point : 15.36 mV
Plot Scale: 332.4 mV

Page 1 of 1
High Point : 347.76 mV





Total Extractable Hydrocarbons

Lab #:	175490	Location:	M. Douglas Construction
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	10/22/04
Units:	mg/Kg	Received:	10/22/04
Basis:	as received	Prepared:	10/25/04
Batch#:	95762		

Field ID:	QE3@3.0'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	10/25/04
Lab ID:	175490-005	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	5.2	5.0

Surrogate	%REC	Limits
Hexacosane	92	55-134

Field ID:	QE4@4.0'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	10/26/04
Lab ID:	175490-006	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	6.4	5.0

Surrogate	%REC	Limits
Hexacosane	84	55-134

Field ID:	QE5@4.0'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	10/26/04
Lab ID:	175490-007	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	64 H Y	0.99
Motor Oil C24-C36	400	5.0

Surrogate	%REC	Limits
Hexacosane	74	55-134

Field ID:	QE6@1.5'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	10/26/04
Lab ID:	175490-008	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	4.4 H Y	0.99
Motor Oil C24-C36	26	5.0

Surrogate	%REC	Limits
Hexacosane	102	55-134

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

DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit

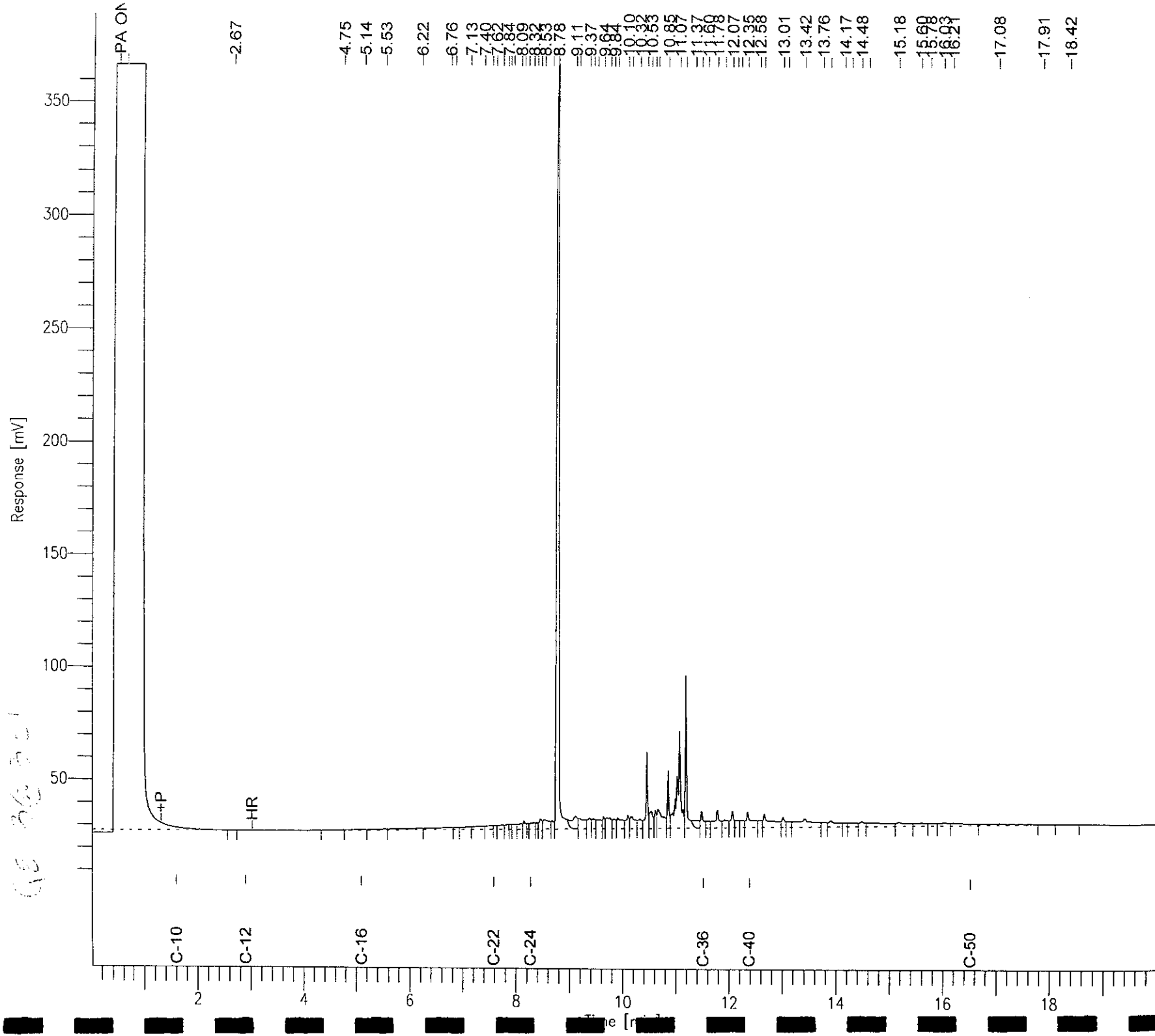
Chromatogram

Sample Name : 175490-005sg,95762
FileName : G:\GC17\CHA\299A023.RAW
Method : ATEH293.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 19.99 min
Plot Offset: 8 mV

Sample #: 95762
Date : 10/26/04 08:19 AM
Time of Injection: 10/25/04 11:38 PM
Low Point : 7.62 mV
Plot Scale: 359.0 mV

Page 1 of 1



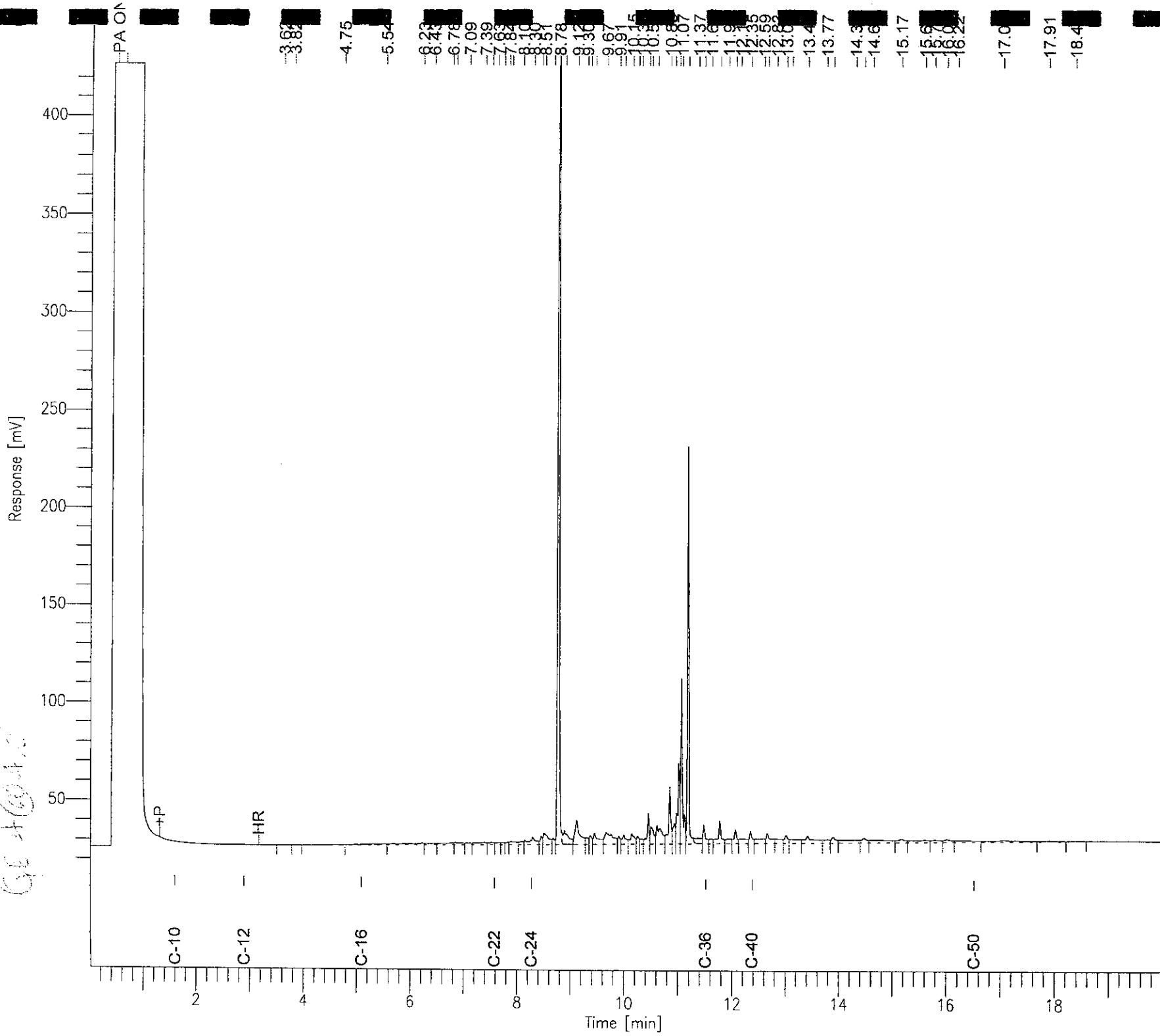
Chromatogram

Sample Name : 175490-006sg,95762
FileName : G:\GC17\CHA\299A024.RAW
Method : ATEH293.MTH
Start Time : 0.01 min
Scale Factor : 0.0

Sample #: 95762
Date : 10/26/04 08:20 AM
Time of Injection: 10/26/04 12:06 AM
Low Point : 11.35 mV
High Point : 426.99 mV
End Time : 19.99 min
Plot Offset: 11 mV
Plot Scale: 415.6 mV

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GC 17 CHA



Chromatogram

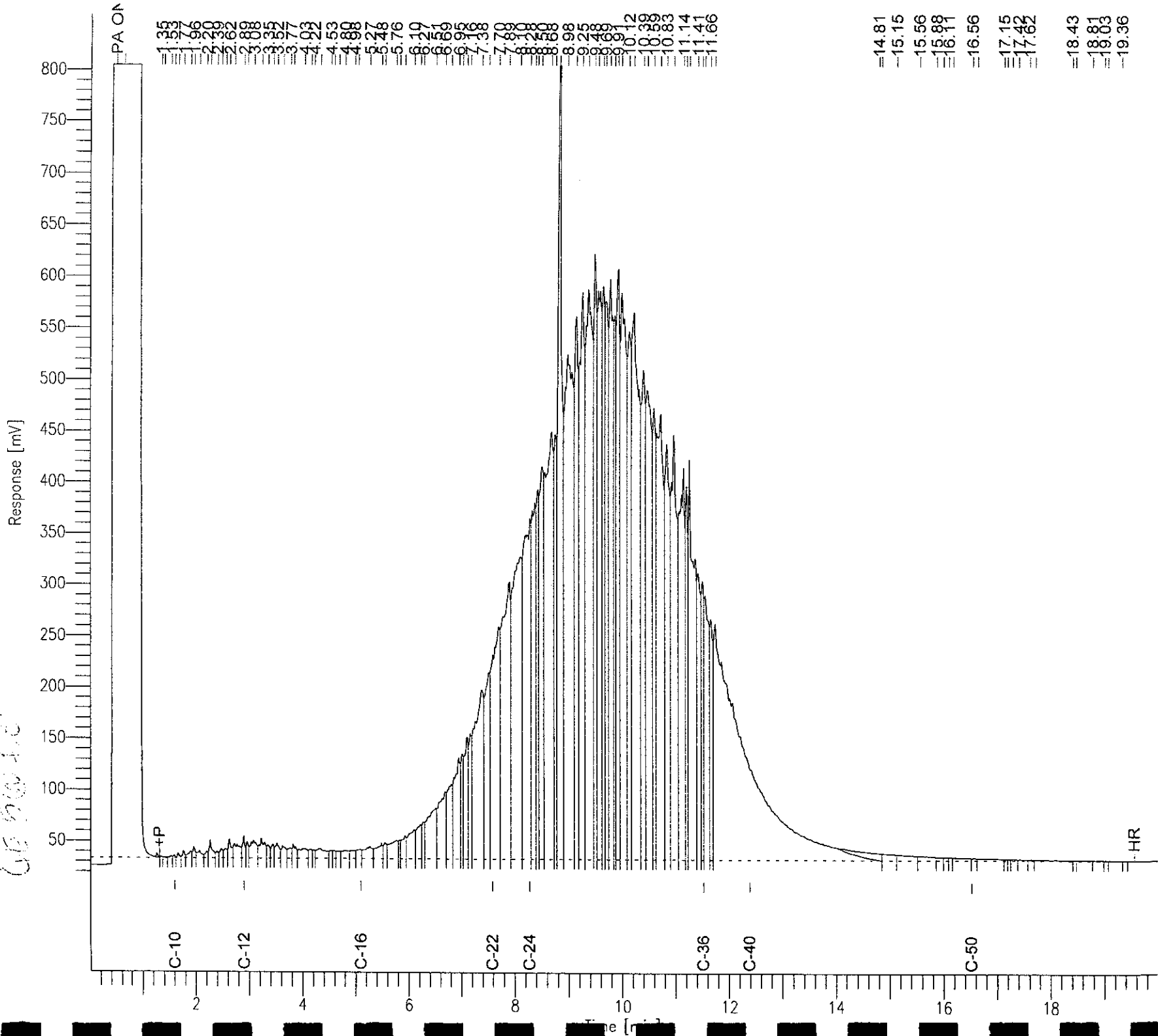
Sample Name : 175490-007sg, 95762
File Name : G:\GC17\CHA\299A025.RAW
Method : ATEH293.MTH
Start Time : 0.01 min
Scale Factor: 0.0

Sample #: 95762
Date : 10/26/04 08:20 AM
Time of Injection: 10/26/04 12:35 AM
Low Point : 11.33 mV
Plot Scale: 793.6 mV

End Time : 19.99 min
Plot Offset: 11 mV
High Point : 804.91 mV

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GC 95762



Chromatogram

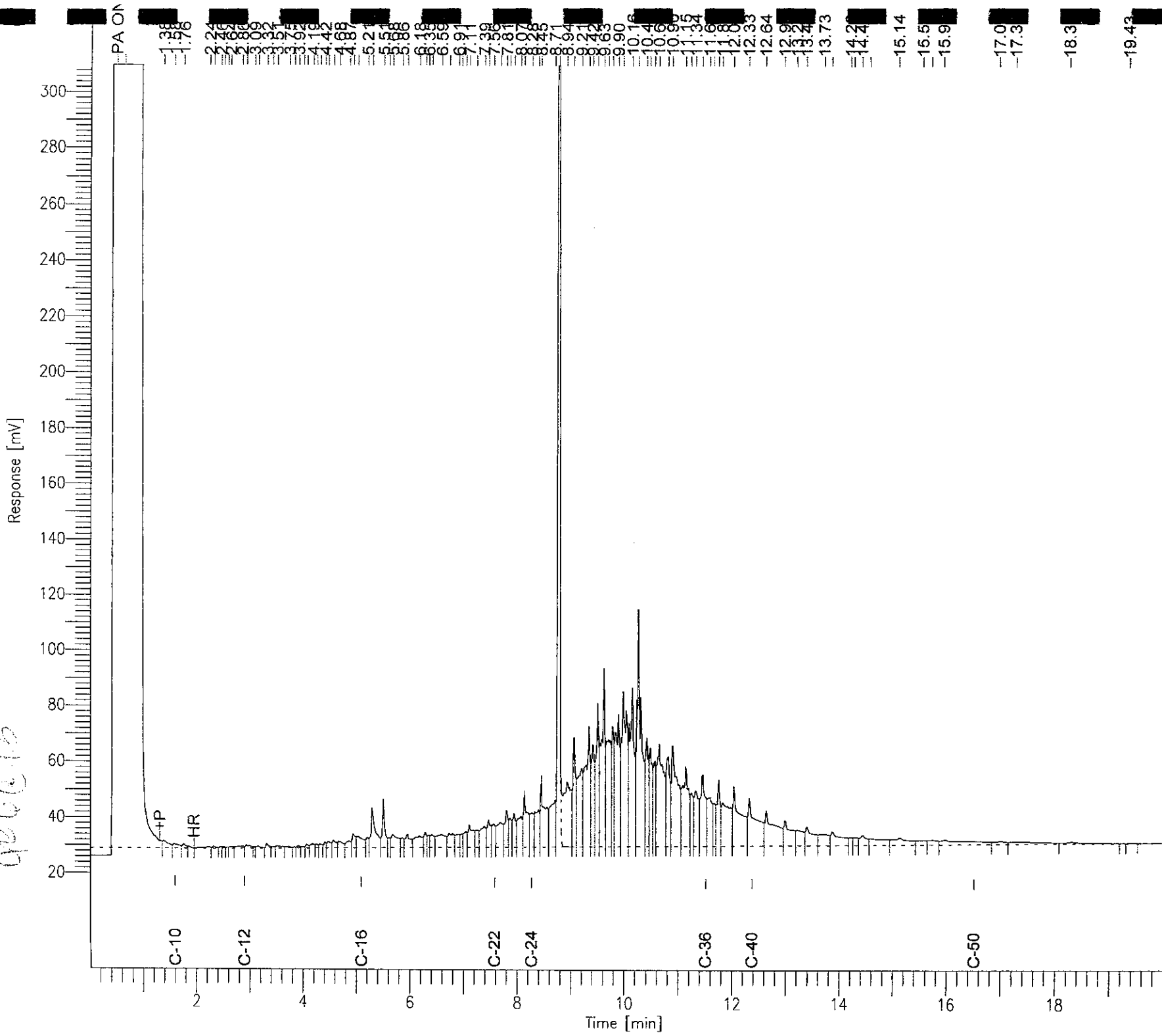
Sample Name : 175490-008sg,95762
FileName : G:\GC17\CHA\299A026.RAW
Method : ATEH293.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 19.99 min
Plot Offset: 19 mV

Sample #: 95762
Date : 10/26/04 08:21 AM
Time of Injection: 10/26/04 01:04 AM
Low Point : 19.03 mV
Plot Scale: 290.9 mV

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106615



Total Extractable Hydrocarbons

Lab #: 175490	Location: M. Douglas Construction
Client: Questa Engineering Corporation	Prep: SHAKER TABLE
Project#: STANDARD	Analysis: EPA 8015B
Matrix: Soil	Sampled: 10/22/04
Units: mg/Kg	Received: 10/22/04
Basis: as received	Prepared: 10/25/04
Batch#: 95762	

Field ID: QE6@3.5' Diln Fac: 1.000
 Type: SAMPLE Analyzed: 10/26/04
 Lab ID: 175490-009 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	89	55-134

Field ID: QE7@2.0' Diln Fac: 1.000
 Type: SAMPLE Analyzed: 10/26/04
 Lab ID: 175490-010 Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	82	55-134

Field ID: QE8@1.0' Diln Fac: 10.00
 Type: SAMPLE Analyzed: 10/26/04
 Lab ID: 175490-011 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	420 H Y	10
Motor Oil C24-C36	1,900	50

Surrogate	%REC	Limits
Hexacosane	DO	55-134

Field ID: QE9@0.5' Diln Fac: 1.000
 Type: SAMPLE Analyzed: 10/26/04
 Lab ID: 175490-012 Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	103	55-134

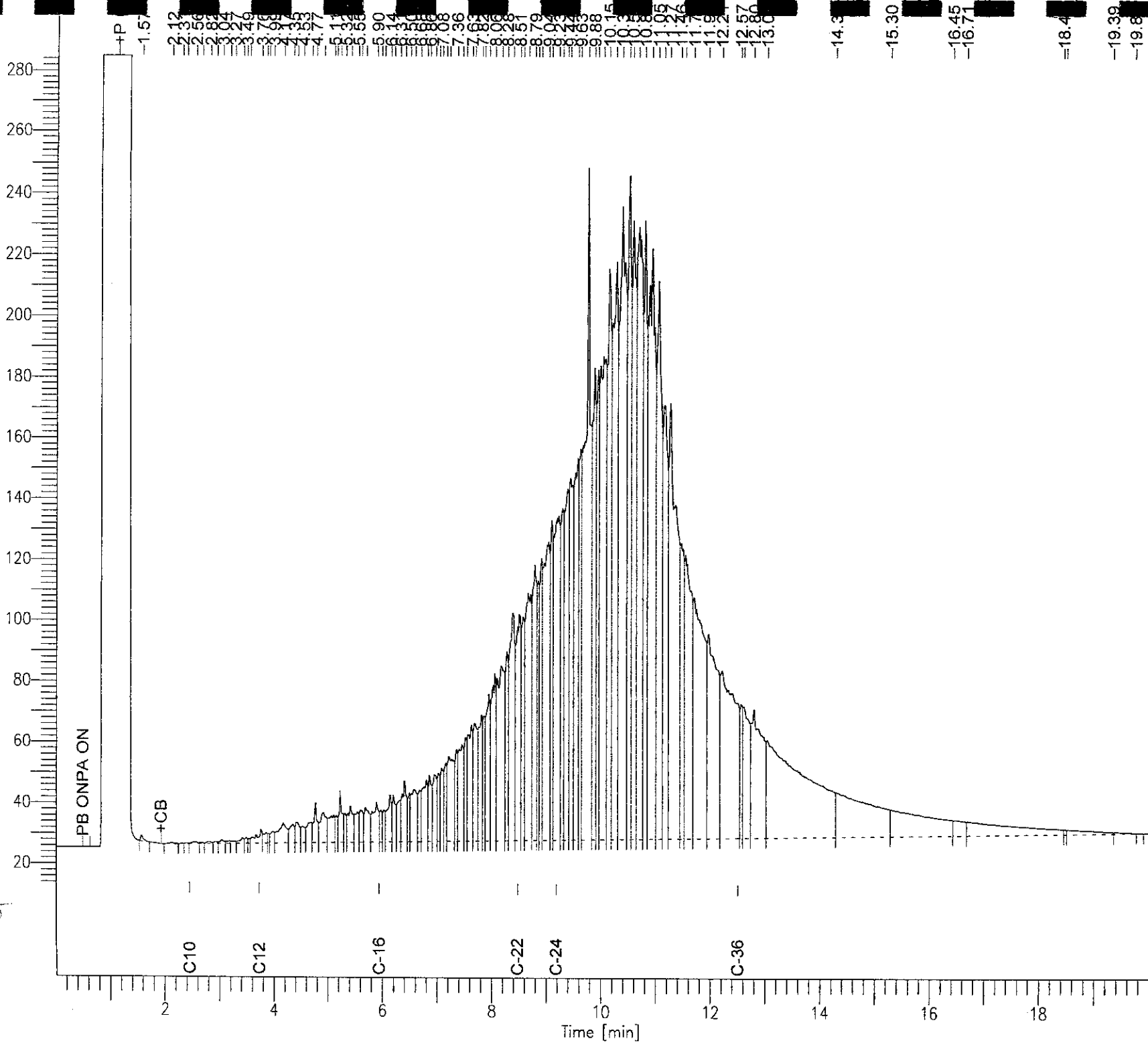
Heavier hydrocarbons contributed to the quantitation
 Sample exhibits chromatographic pattern which does not resemble standard

- DO= Diluted Out
- ND= Not Detected
- RL= Reporting Limit

Chromatogram

Sample Name : I75490-011sq_95762
File Name : G:\GC15\CHB\299B044.RAW
Method : BTEH245S.MTH
Start Time : 0.01 min
Scale Factor : 0.0
Sample #: 95762
Date : 10/26/04 03:01 PM
Time of Injection: 10/26/04 10:00 AM
Low Point : 13.91 mV
Plot Scale: 271.0 mV
End Time : 19.99 min
Plot Offset: 14 mV
High Point : 284.92 mV

Response [mV]



1.57
2.5
3.0
4.0
5.0
6.0
7.0
8.0
9.0
10.0
11.0
12.0
13.0
14.3
15.30
16.45
16.71
18.4
19.39
19.8



Total Extractable Hydrocarbons

Lab #: 175490	Location: M. Douglas Construction
Client: Questa Engineering Corporation	Prep: SHAKER TABLE
Project#: STANDARD	Analysis: EPA 8015B
Matrix: Soil	Sampled: 10/22/04
Units: mg/Kg	Received: 10/22/04
Basis: as received	Prepared: 10/25/04
Batch#: 95762	

Field ID: QE10@1.5'	Diln Fac: 1.000
Type: SAMPLE	Analyzed: 10/26/04
Lab ID: 175490-013	Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	8.9	5.0

Surrogate	%REC	Limits
Hexacosane	84	55-134

Type: BLANK	Analyzed: 10/25/04
Lab ID: QC269367	Cleanup Method: EPA 3630C
Diln Fac: 1.000	

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

Surrogate	%REC	Limits
Hexacosane	89	55-134

= Heavier hydrocarbons contributed to the quantitation
 = Sample exhibits chromatographic pattern which does not resemble standard
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit

Chromatogram

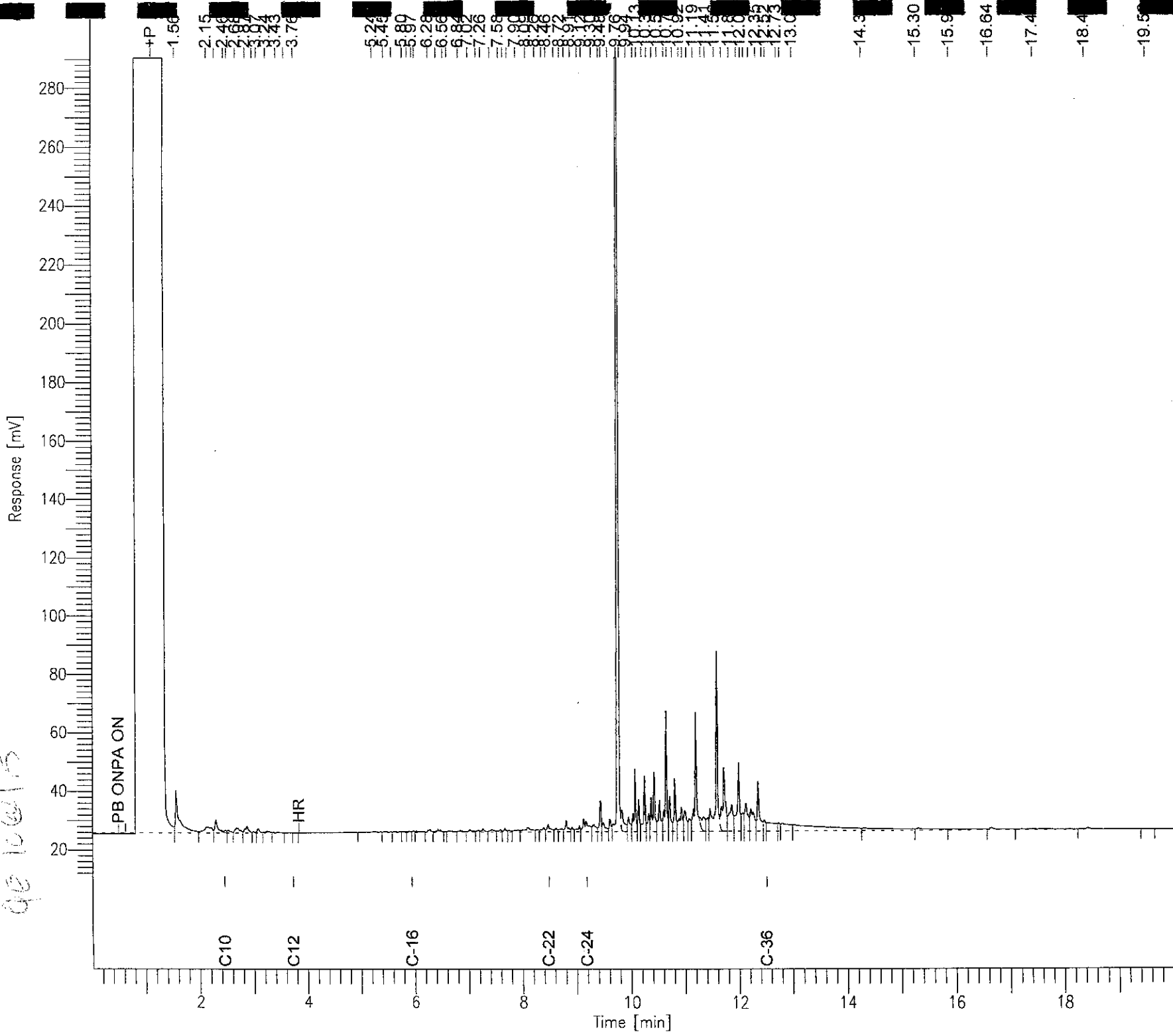
Sample Name : 175490-013sg,95762
FileName : G:\GC15\CHB\299B025.RAW
Method : RTEH24SS.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 19.99 min
Plot Offset: 11 mV

Sample #: 95762
Date : 10/26/04 08:55 AM
Time of Injection: 10/26/04 12:45 AM
Low Point : 10.87 mV
High Point : 290.52 mV
Plot Scale: 279.6 mV

Page 1 of 1

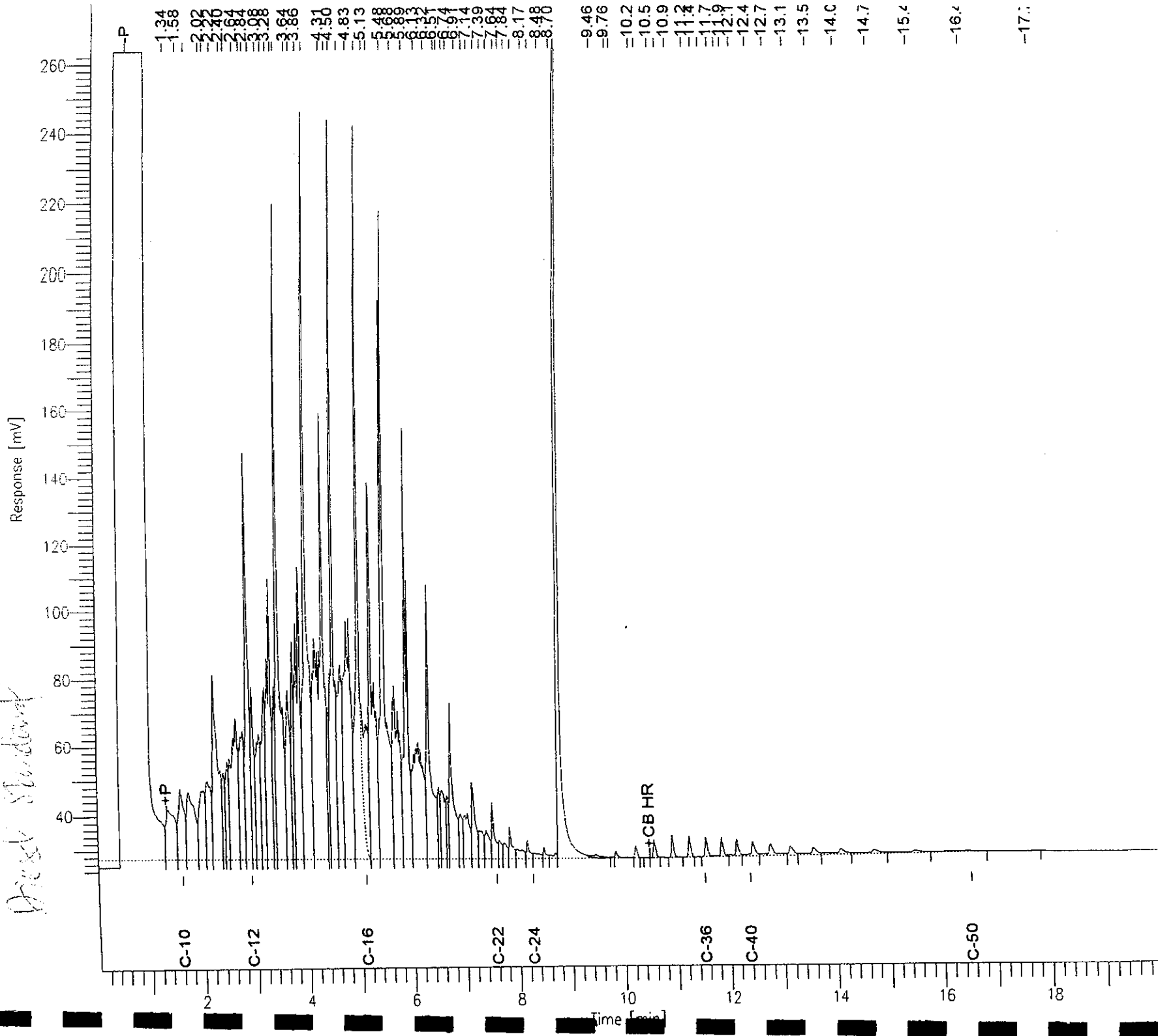
de 10/26/04



Chromatogram

Sample Name : ccv.04ws1621.dsl
Sample #: 500mg/L
Date : 10/25/04 12:16 PM
Time of Injection: 10/25/04 11:30 AM
Method : G:\GC17\CHA\299A006.RAW
Low Point : 23.02 mV
High Point : 263.51 mV
Start Time : 0.01 min
End Time : 19.99 min
Plot Offset: 23 mV
Scale Factor: 0.0
Plot Scale: 240.5 mV

Diesel Standard



Chromatogram

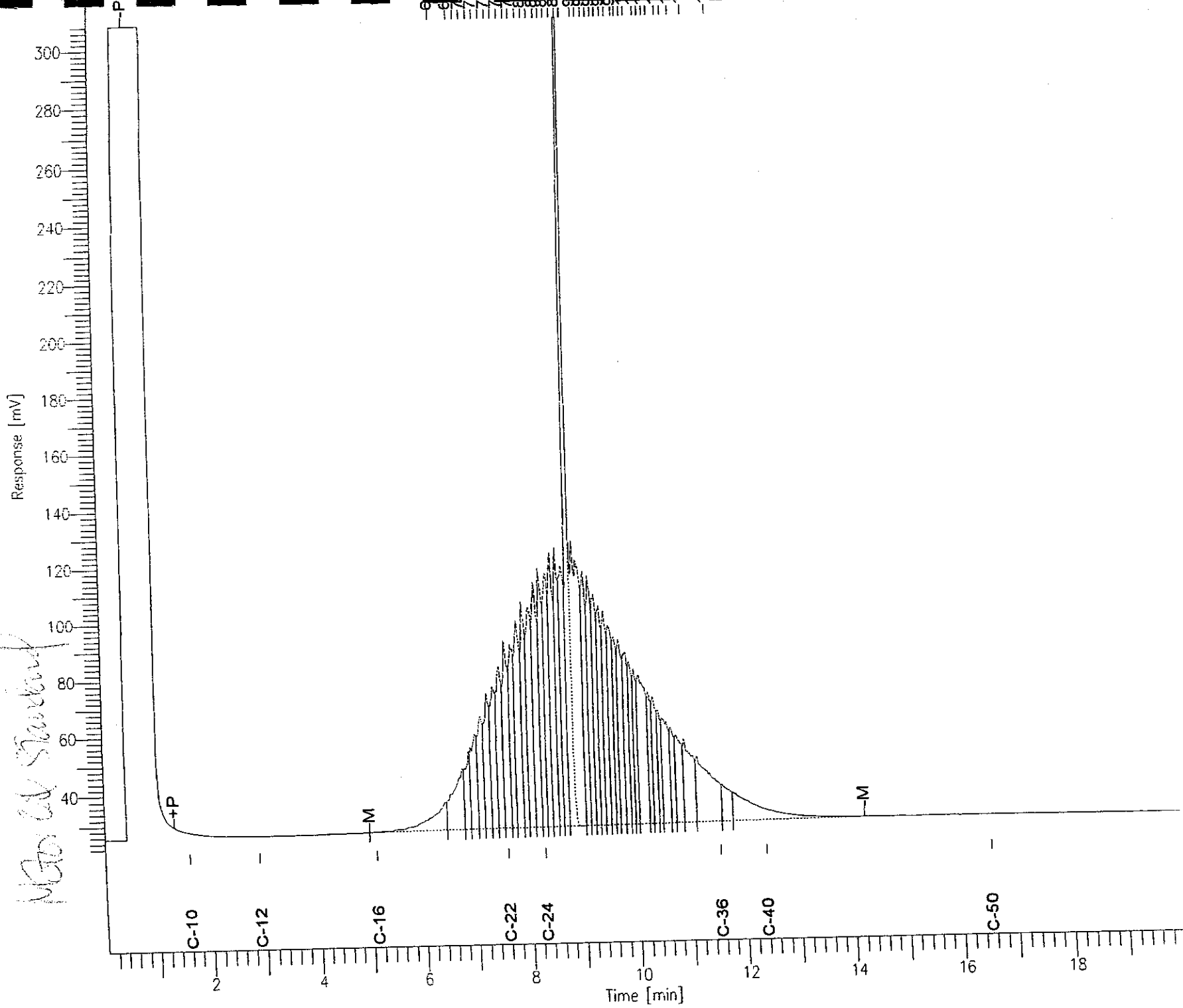
Page 1 of 1

Sample Name : ccv,04ws1793,no
FileName : G:\GC17\CHA\299A004.RAW
Method : ATEH299.MTH
Start time : 0.01 min
Scale Factor: 0.0

Sample #: 500mg/L
Date : 10/25/04 10:57 AM
Time of Injection: 10/25/04 10:33 AM
Low Point : 20.33 mV
High Point : 308.31 mV
Plot Scale: 288.0 mV

End Time : 19.99 min
Plot Offset: 20 mV

Not a Standard





Batch QC Report

Total Extractable Hydrocarbons

Lab #:	175490	Location:	M. Douglas Construction
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC269368	Batch#:	95762
Matrix:	Soil	Prepared:	10/25/04
Units:	mg/Kg	Analyzed:	10/25/04
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.18	40.51	81	56-134

Surrogate	%REC	Limits
Hexacosane	93	55-134

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	175490	Location:	M. Douglas Construction
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	95762
MSS Lab ID:	175500-015	Sampled:	10/22/04
Matrix:	Soil	Received:	10/22/04
Units:	mg/Kg	Prepared:	10/25/04
Basis:	as received	Analyzed:	10/25/04
Diln Fac:	1.000		

Type: MS Lab ID: QC269369

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	1.598	49.90	38.18	73	13-165

Surrogate	%REC	Limits
Hexacosane	84	55-134

Type: MSD Lab ID: QC269370

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	50.05	43.52	84	13-165	13	49

Surrogate	%REC	Limits
Hexacosane	95	55-134



CASE NARRATIVE

Laboratory number: 175846
Client: Questa Engineering Corporation
Location: Macarthur Oakland
Request Date: 11/05/04
Samples Received: 11/05/04

This hardcopy data package contains sample and QC results for five soil samples, requested for the above referenced project on 11/05/04. The samples were received cold and intact.

TPH-Extractables by GC (EPA 8015B):

No analytical problems were encountered.

NOV 23 2004

EM

Client: *M. Vogler Construction*

Address:

Report To: *Questa*
 Bill To: *Questa*
 Billing Reference: *240126 MacArthur*
 Project No.: *240126*

Site Name: *MacArthur Oakland*
 Project Manager: *Will Hopkins*
 Requested Due Date: *11/9/04*

Phone:
 Sampled by (Print): *W. Hopkins*
 Sampler Signature: *W. Hopkins*
 Date Sampled: *11/5/04*

PRESERVATIVES **ANALYSES REQUEST** **REMARKS**

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	CONT. TYPE	NO. OF CONTAINERS	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	TOTAL	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH
-1	QE12			Sil/Glass						X	X	X	X	X	X	X	X	X	X	X
-2	QE13									X	X	X	X	X	X	X	X	X	X	X
-3	QE14									X	X	X	X	X	X	X	X	X	X	X
-4	QE15									X	X	X	X	X	X	X	X	X	X	X
-5	QE16									X	X	X	X	X	X	X	X	X	X	X
6.																				
7.																				
8.																				
9.																				

COOLER NOS	BAILERS	SHIP OUT DATE	RETURNED DATE	ITEM NO.	RELINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
					<i>W. Hopkins Questa</i>	<i>JL</i>	<i>11/5/04 1655</i>	<i>11/5/04 1655</i>

Additional Comments:

Questa Engineering Corporation
 1220 Brickyard Cove Road
 Point Richmond, CA 94807
 P.O. Box 70356
 Phone: (510) 236-6114
 FAX: (510) 236-2423

CHAIN-OF-CUSTODY RECORD
ANALYTICAL REQUEST



Total Extractable Hydrocarbons

Lab #:	175846	Location:	Macarthur Oakland
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	11/05/04
Units:	mg/Kg	Received:	11/05/04
Basis:	as received	Prepared:	11/08/04
Diln Fac:	1.000	Analyzed:	11/09/04
Batch#:	96261		

Field ID:	QE 12	Lab ID:	175846-001
Type:	SAMPLE	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	68 H Y	1.0
Motor Oil C24-C36	160	5.0

Surrogate	%REC	Limits
Hexacosane	104	55-134

Field ID:	QE 13	Lab ID:	175846-002
Type:	SAMPLE	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	28 H Y	0.99
Motor Oil C24-C36	160	5.0

Surrogate	%REC	Limits
Hexacosane	101	55-134

Field ID:	QE 14	Lab ID:	175846-003
Type:	SAMPLE	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	86 H Y	0.99
Motor Oil C24-C36	290	5.0

Surrogate	%REC	Limits
Hexacosane	65	55-134

H = Heavier hydrocarbons contributed to the quantitation

Y = Sample exhibits chromatographic pattern which does not resemble standard

ND = Not Detected

R = Reporting Limit

Page 1 of 2

Chromatogram

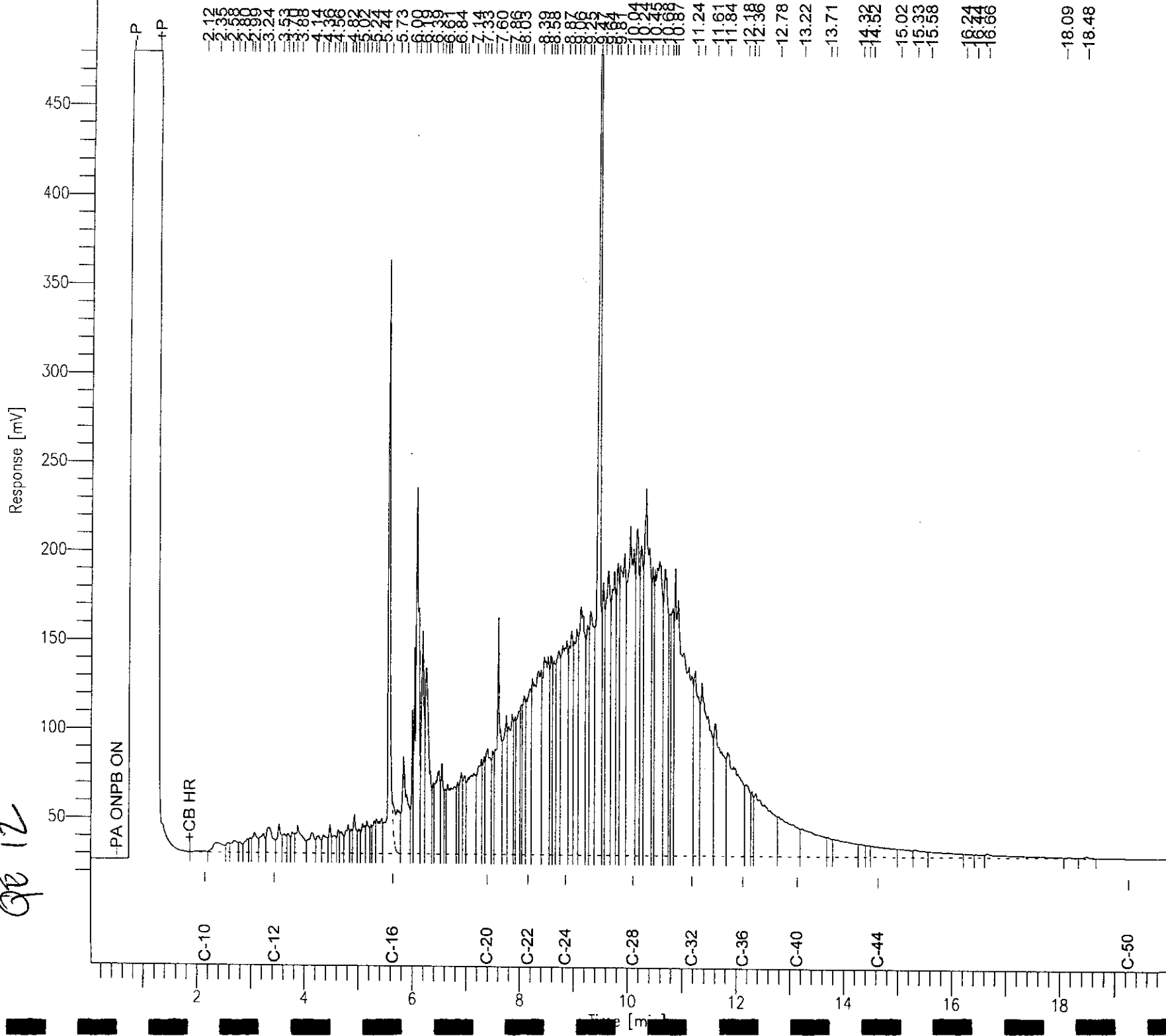
Sample Name : 175846-001sq_96261
FileName : G:\GC13\CHB\314B011.RAW
Method : BTEH313S.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 19.99 min
Plot Offset: 20 mV

Sample #: 96261
Date : 11/9/04 03:21 PM
Time of Injection: 11/9/04 02:59 PM
Low Point : 19.54 mV
Plot Scale: 460.7 mV

Page 1 of 1
High Point : 480.23 mV

QE 12



Chromatogram

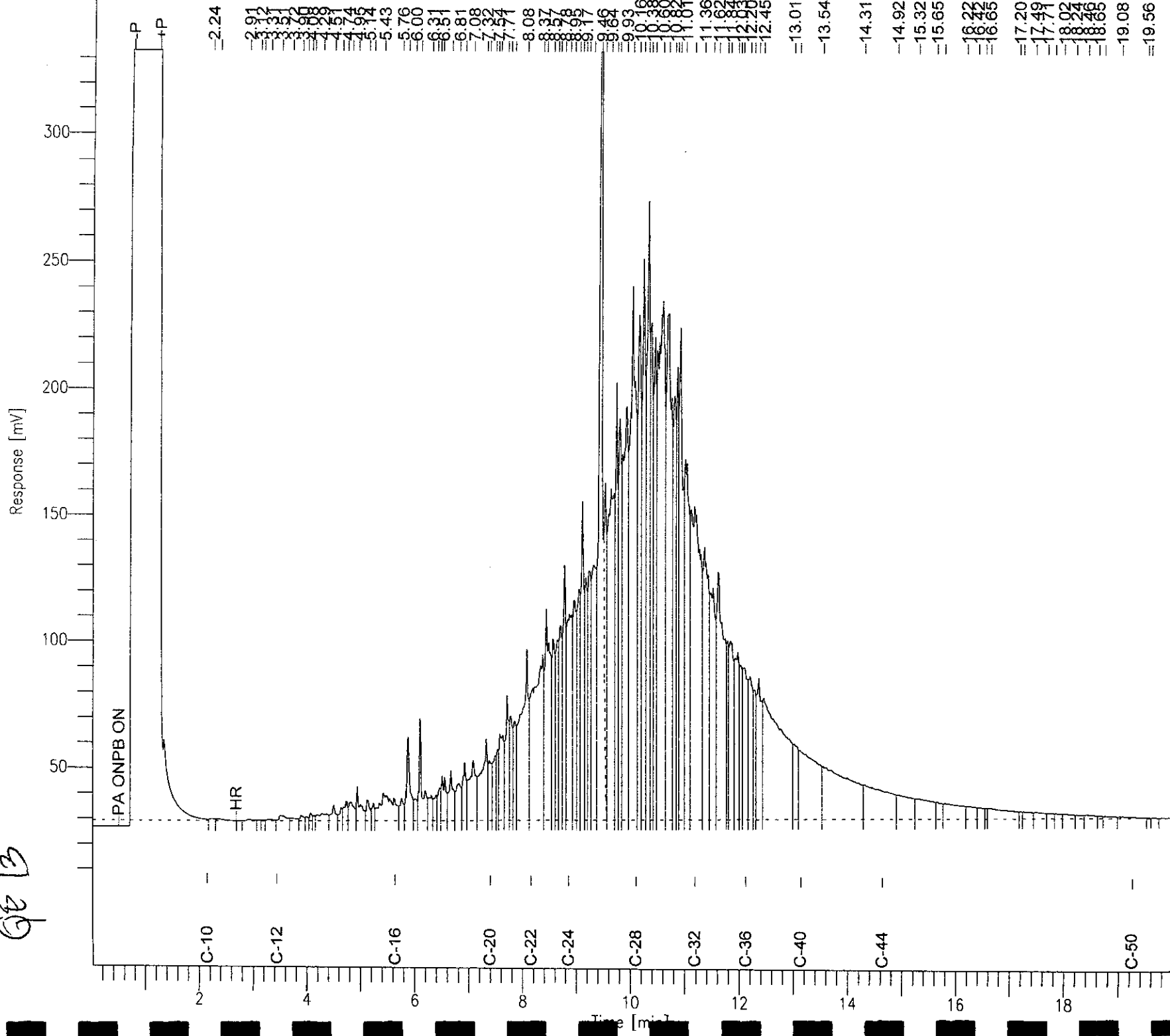
Sample Name : 175846-002sg, 96261
FileName : G:\GC13\CHB\314B014.RAW
Method : BTEH313S.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 19.99 min
Plot Offset: 8 mV

Sample #: 96261
Date : 11/9/04 04:48 PM
Time of Injection: 11/9/04 04:23 PM
Low Point : 8.31 mV
Plot Scale: 324.7 mV

Page 1 of 1
High Point : 333.00 mV

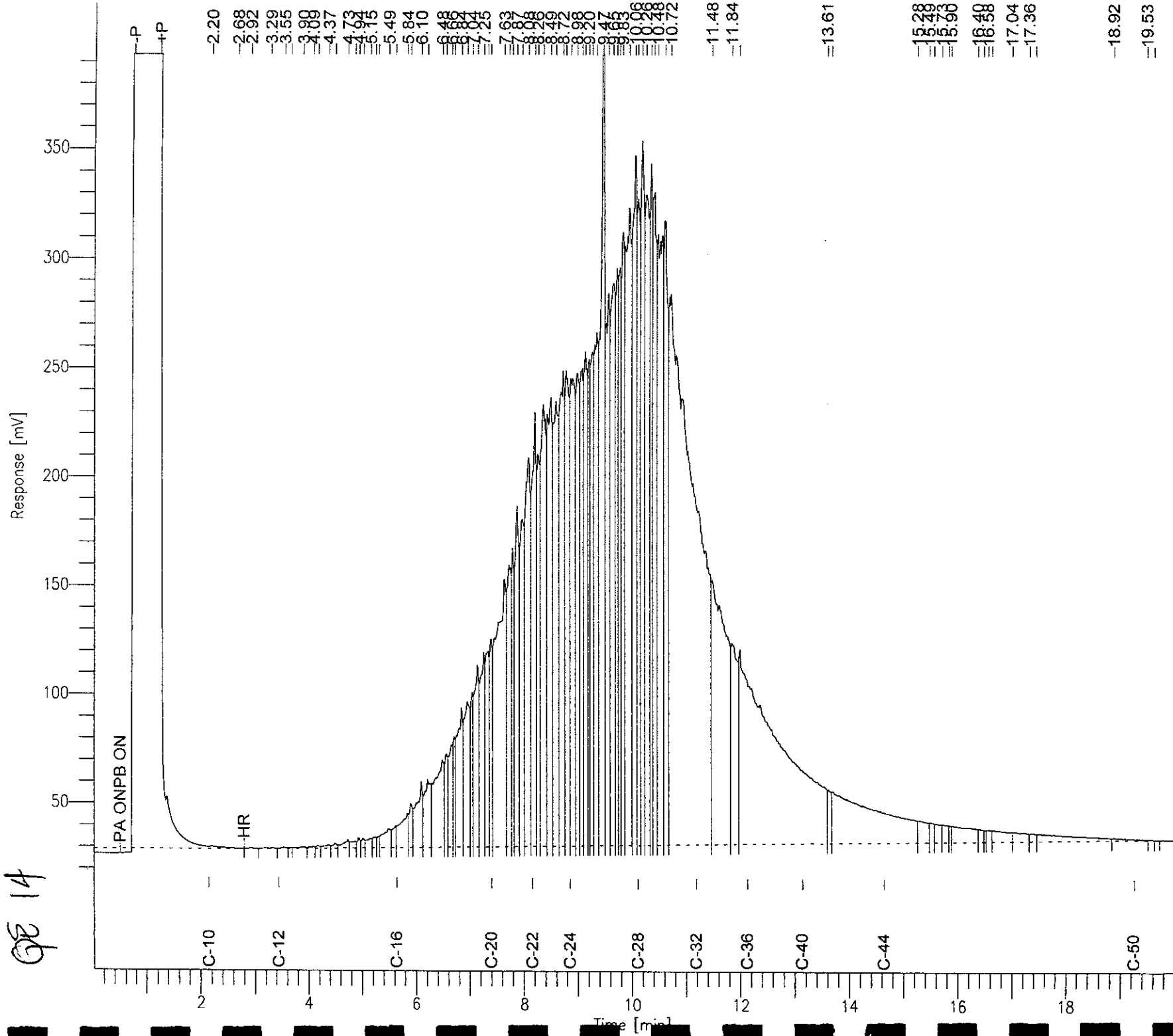
QE 13



Chromatogram

Sample Name : 175846-003sg,96261
File Name : G:\GC13\CHB\314B015.RAW
Method : BTEH313S.MTH
Start Time : 0.01 min
Scale Factor: 0.0

Sample #: 96261
Date : 11/9/04 05:13 PM
Time of Injection: 11/9/04 04:51 PM
Low Point : 15.77 mV
High Point : 393.37 mV
End Time : 19.99 min
Plot Offset: 16 mV
Plot Scale: 377.6 mV



Total Extractable Hydrocarbons

Lab #: 175846	Location: Macarthur Oakland
Client: Questa Engineering Corporation	Prep: SHAKER TABLE
Project#: STANDARD	Analysis: EPA 8015B
Matrix: Soil	Sampled: 11/05/04
Units: mg/Kg	Received: 11/05/04
Basis: as received	Prepared: 11/08/04
Oiln Fac: 1.000	Analyzed: 11/09/04
Batch#: 96261	

Field ID: QE 15	Lab ID: 175846-004
Type: SAMPLE	Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	90 H Y	1.0
Motor Oil C24-C36	340	5.0

Surrogate	%REC	Limits
Hexacosane	102	55-134

Field ID: QE 16	Lab ID: 175846-005
Type: SAMPLE	Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	45 H Y	1.0
Motor Oil C24-C36	340	5.0

Surrogate	%REC	Limits
Hexacosane	95	55-134

Type: BLANK	Cleanup Method: EPA 3630C
Lab ID: QC271346	

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

Surrogate	%REC	Limits
Hexacosane	100	55-134

Heavier hydrocarbons contributed to the quantitation
 Sample exhibits chromatographic pattern which does not resemble standard

ND= Not Detected
 RL= Reporting Limit
 Page 2 of 2

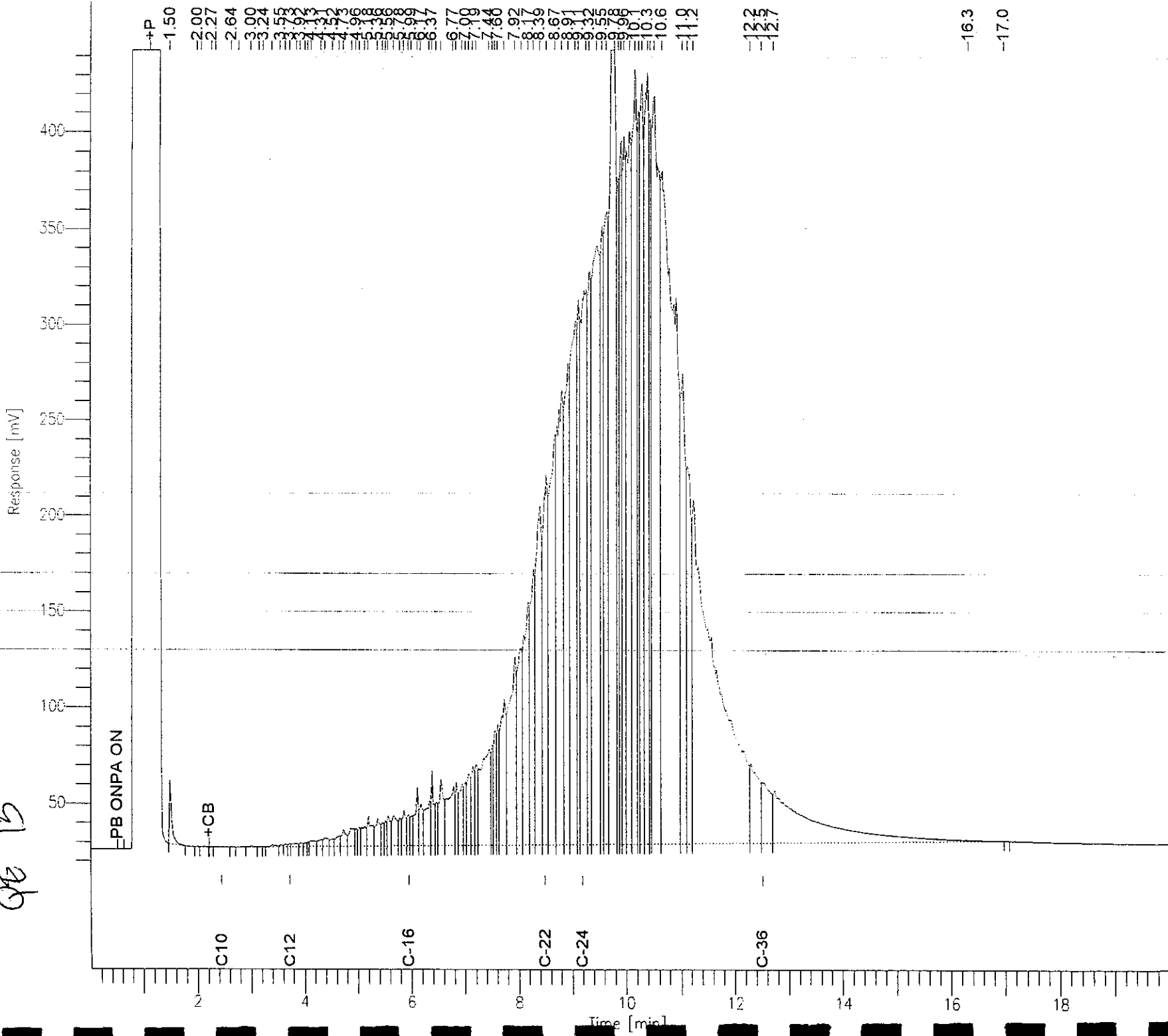
Chromatogram

Sample Name : 175846-0045g, 96261
FileName : G:\GC15\CHB\313B056.RAW
Method : BTEH24SS.MTH
Start Time : 0.01 min
Scale Factor: 0.0

Sample #: 96261
Date : 11/9/04 03:51 PM
Time of Injection: 11/9/04 03:26 PM
Low Point : 12.91 mV
Plot Scale: 430.0 mV

Page 1 of 1

96 15



Chromatogram

Sample Name : 175846-005sg,96261
 FileName : G:\GC11\CHA\314A012.RAW
 Method : ATEH309S.MTH
 Start Time : 0.01 min
 Scale Factor: 0.0

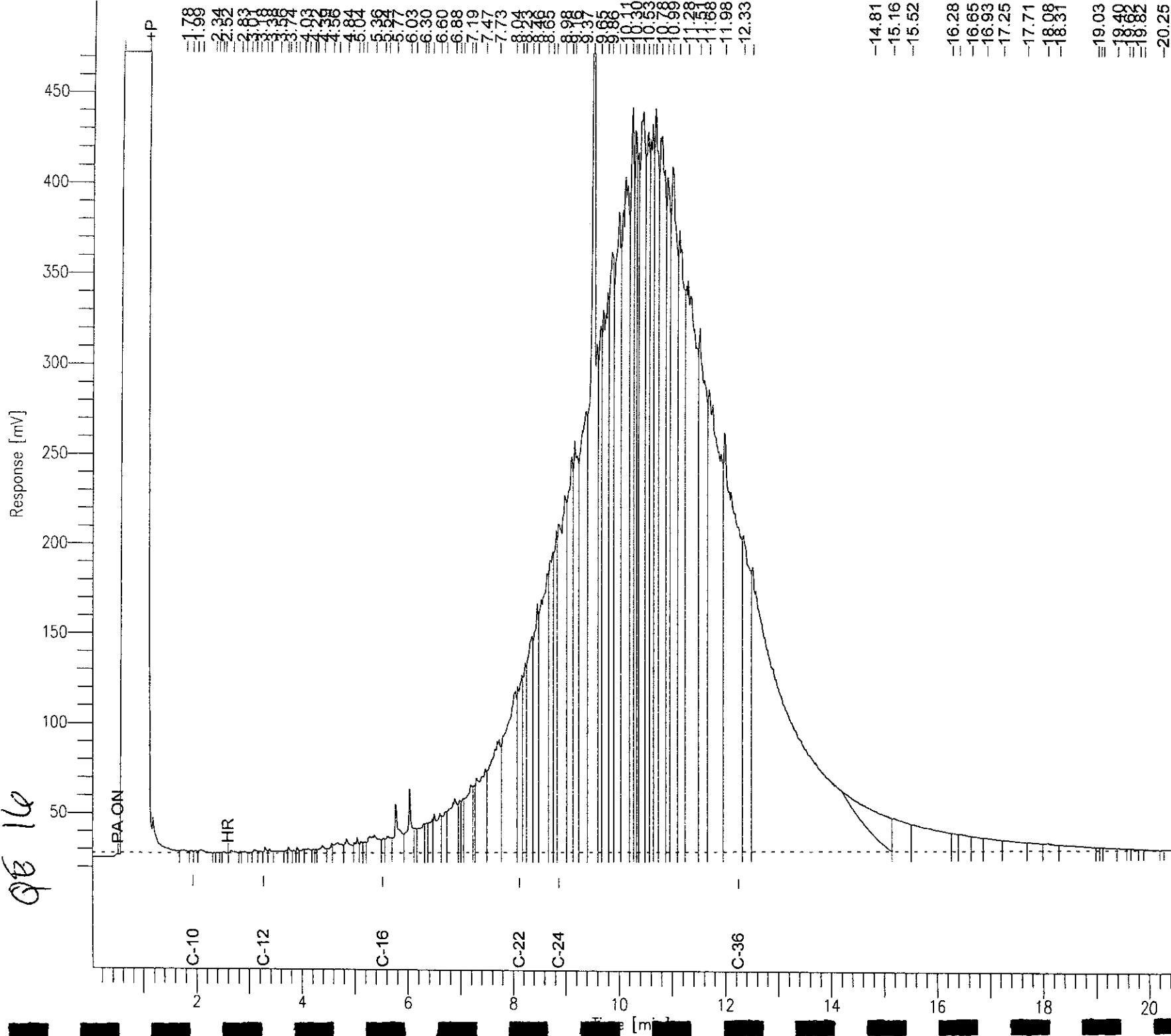
End Time : 20.43 min
 Plot Offset: 15 mV

Sample #: 96261
 Date : 11/9/04 03:26 PM
 Time of Injection: 11/9/04 03:01 PM
 Low Point : 15.22 mV
 Plot Scale: 457.3 mV

Page 1 of 1

High Point : 472.51 mV

9616

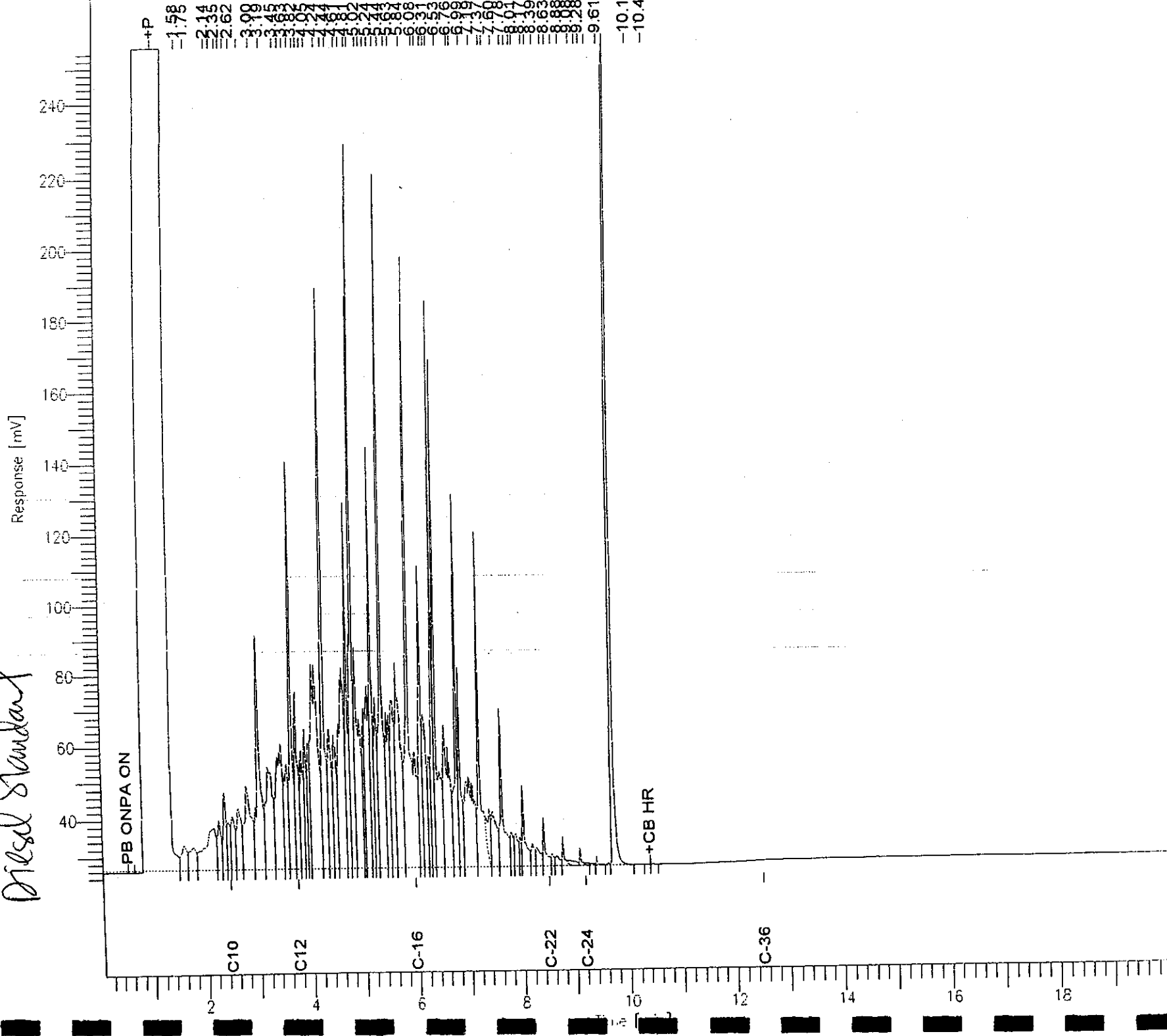


Chromatogram

Sample #: 500mg/L
Date: 11/8/04 11:46 AM
Time of Injection: 11/8/04 10:50 AM
Low Point: 23.52 mV
High Point: 255.52 mV
Plot Scale: 232.0 mV

Sample Name: ccv_04ws1975.dsi
File Name: G:\GC15\CHB\3138003.RAW
Method: BTEH245S.MTH
Start Time: 0.01 min
End Time: 19.99 min
Plot Offset: 29 mV

Diesel Standard



Chromatogram

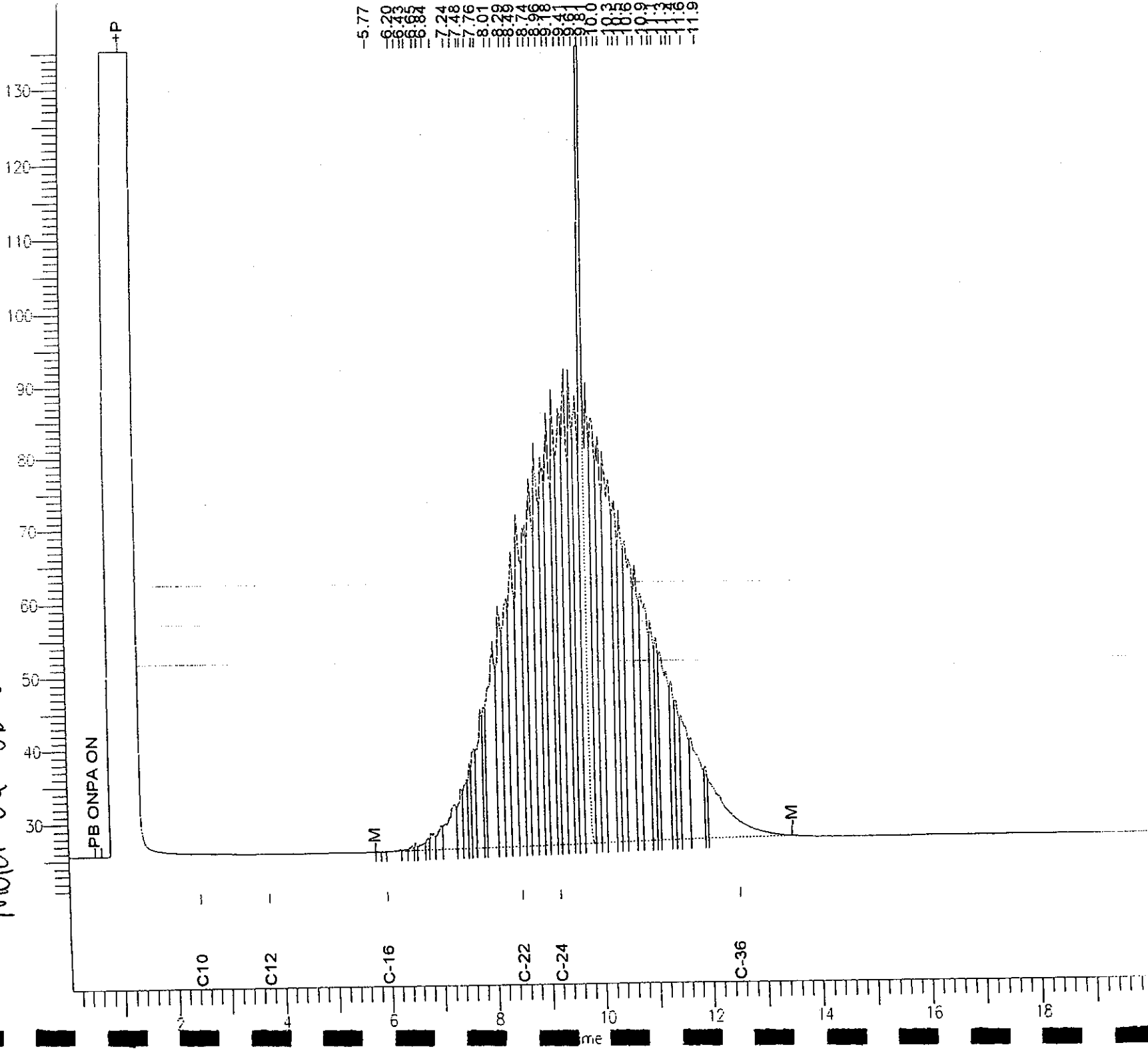
Sample #: 500mg/L
Date: 11/8/04 11:47 AM
Time of Injection: 11/8/04 11:18 AM
Low Point: 20.63 mV
Plot Scale: 114.6 mV

Sample Name: ccv_04ws2074.mo
Name: G:\GC15\CHB\313B004.RAW
Mod: BTEH245S.MTH
Int Time: 0.01 min
End Time: 19.99 min
Plot Offset: 21 mV

Page 1 of 1

Motor Oil Standard

Response [mV]



Batch QC Report

Total Extractable Hydrocarbons

Lab #:	175846	Location:	Macarthur Oakland
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC271347	Batch#:	96261
Matrix:	Soil	Prepared:	11/08/04
Units:	mg/Kg	Analyzed:	11/09/04
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.97	60.59	121	56-134

Surrogate	%REC	Limits
Hexacosane	120	55-134

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	175846	Location:	Macarthur Oakland
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	96261
MS Lab ID:	175857-003	Sampled:	11/06/04
Matrix:	Soil	Received:	11/08/04
Units:	mg/Kg	Prepared:	11/08/04
Basis:	as received	Analyzed:	11/10/04
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3630C
 Lab ID: QC271348

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	46.16	49.95	76.76	61	13-165

Surrogate	%REC	Limits
Hexacosane	80	55-134

Type: MSD Cleanup Method: EPA 3630C
 Lab ID: QC271349

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.86	78.77	65	13-165	3	49

Surrogate	%REC	Limits
Hexacosane	82	55-134



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

NOV 23 2004

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

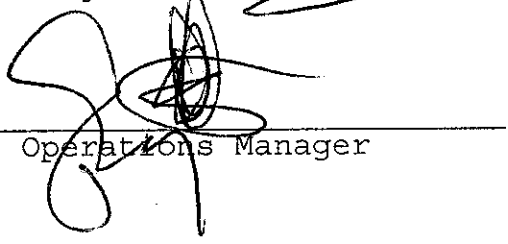
Prepared for:

Questa Engineering Corporation
1220 Brickyard Cove Road
Suite 206
Point Richmond, CA 94801

Date: 18-NOV-04
Lab Job Number: 175848
Project ID: STANDARD
Location: Macarthur, Oakland

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

Reviewed by: 
Project Manager

Reviewed by: 
Operations Manager

This package may be reproduced only in its entirety.

CASE NARRATIVE

Laboratory number: 175848
Client: Questa Engineering Corporation
Location: Macarthur, Oakland
Request Date: 11/05/04
Samples Received: 11/05/04

This hardcopy data package contains sample and QC results for three soil samples, requested for the above referenced project on 11/05/04. The samples were received cold and intact.

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

Client: M. Douglas Construction Inc.

Report To: Questa

Site Name: Macanthen, Oakland

Address:

Bill To: Questa

Project Manager: W. Hopkins

Billing Reference: Macanthen, Oakland

Requested Due Date: 11/9/04

Project No.: 240126

Phone:

Sampled by (Print): W. Hopkins

Sampler Signature: W. Hopkins

Date Sampled: 11/4/04

				PRESERVATIVES					ANALYSES REQUEST					REMARKS
ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	CONT. TYPE	NO. OF CONTAINERS	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA	TPH d	TPH mo	30015 wood	Silica Gel	
1	QST-1		Soils	Class	1					X	X	X	X	X
2	QST-2				1					X	X	X	X	X
3	QE-11				1					X	X	X	X	X
4.														
5.														
6.														
7.														
8.														
9.														

1
2
3

COOLER NOS.	BAILERS	SHIP OUT DATE	RETURNED DATE	ITEM NO.	RELINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
					W. Hopkins/ Questa	[Signature]	11/5/04	1655

Additional Comments:

Questa Engineering Corporation

1220 Brickyard Cove Road
Point Richmond, CA 94807

P.O. Box 70356
Phone: (510) 236-6114
FAX: (510) 236-2423

CHAIN-OF-CUSTODY RECORD ANALYTICAL REQUEST



Total Extractable Hydrocarbons

Lab #:	175848	Location:	Macarthur, Oakland
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	11/05/04
Units:	mg/Kg	Received:	11/05/04
Basis:	as received	Prepared:	11/08/04
Batch#:	96261	Analyzed:	11/09/04

Field ID:	QST-1	Diln Fac:	1.000
Type:	SAMPLE	Cleanup Method:	EPA 3630C
Lab ID:	175848-001		

Analyte	Result	RL
Diesel C10-C24	1.5 H Y	1.0
Motor Oil C24-C36	8.6	5.0

Surrogate	%REC	Limits
Hexacosane	81	55-134

Field ID:	QST-2	Diln Fac:	5.000
Type:	SAMPLE	Cleanup Method:	EPA 3630C
Lab ID:	175848-002		

Analyte	Result	RL
Diesel C10-C24	94 H Y	5.0
Motor Oil C24-C36	720	25

Surrogate	%REC	Limits
Hexacosane	132	55-134

Field ID:	QE-11	Diln Fac:	1.000
Type:	SAMPLE	Cleanup Method:	EPA 3630C
Lab ID:	175848-003		

Analyte	Result	RL
Diesel C10-C24	1.9 H Y	0.99
Motor Oil C24-C36	22	5.0

Surrogate	%REC	Limits
Hexacosane	118	55-134

Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC271346	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	100	55-134

H= Heavier hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1

Chromatogram

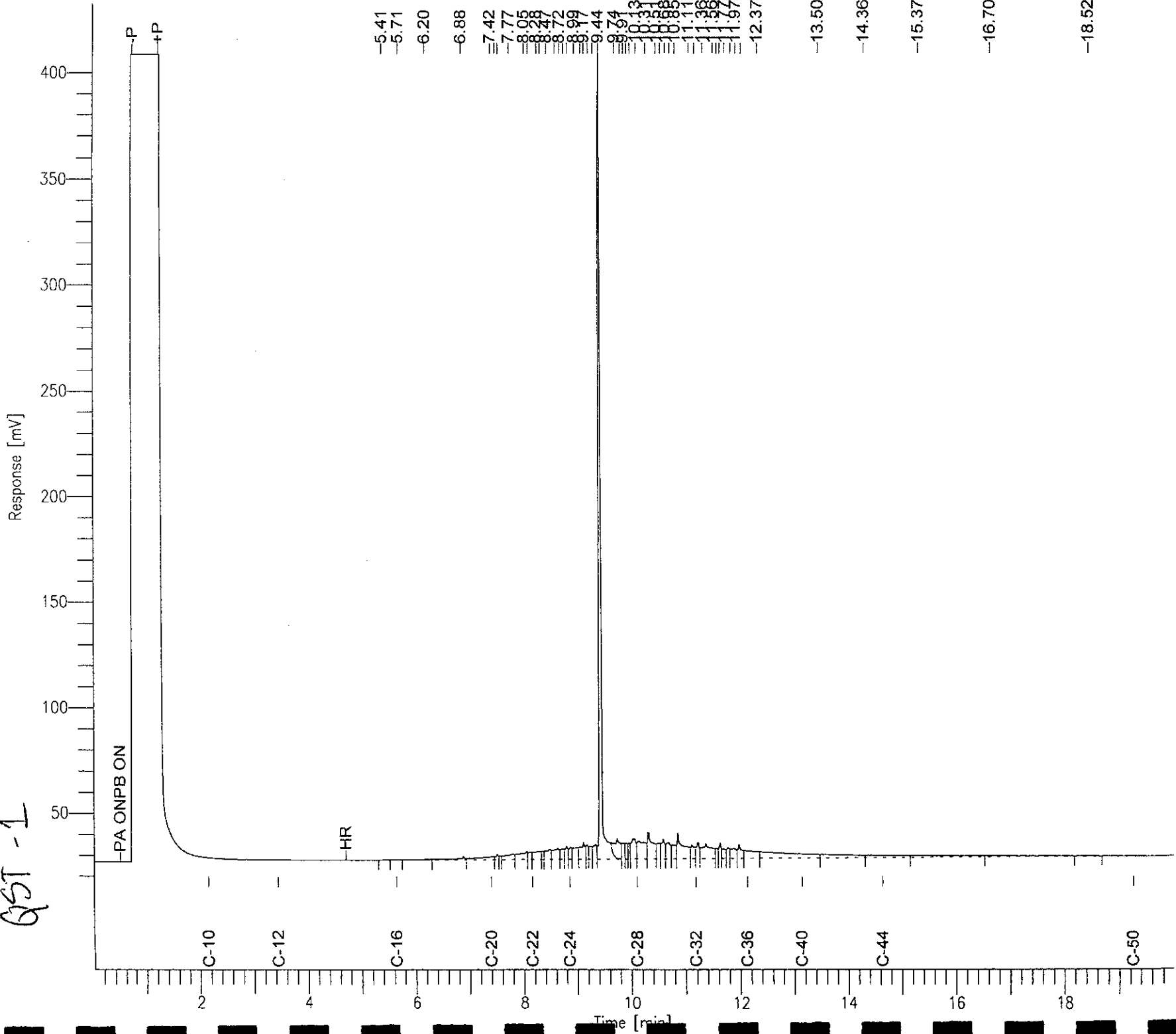
Sample Name : 175848-001sg,96261
FileName : G:\GC13\CHB\314B013.RAW
Method : BTEH313S.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 19.99 min
Plot Offset: 20 mV

Sample #: 96261
Date : 11/9/04 04:19 PM
Time of Injection: 11/9/04 03:55 PM
Low Point : 19.69 mV
Plot Scale: 388.9 mV

Page 1 of 1

QST-1



Chromatogram

Sample Name : 175848-002sg,96261
 FileName : G:\GC11\CHA\314A013.RAW
 Method : ATEH309S.MTH
 Start Time : 0.01 min
 Scale Factor: 0.0

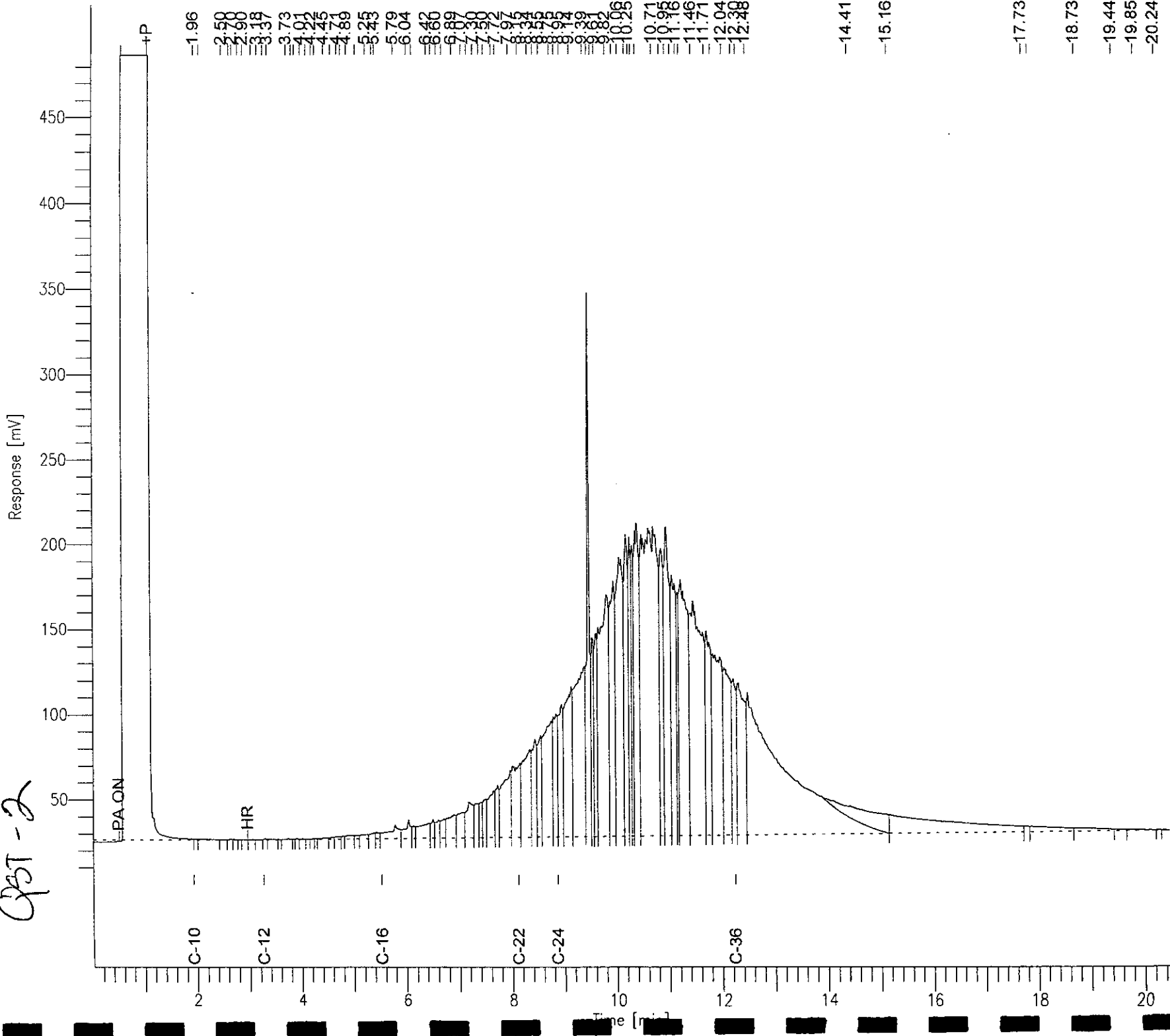
End Time : 20.45 min
 Plot Offset: 6 mV

Sample #: 96261
 Date : 11/9/04 03:53 PM
 Time of Injection: 11/9/04 03:30 PM
 Low Point : 5.74 mV
 Plot Scale: 480.8 mV

High Point : 486.55 mV

Page 1 of 1

CPST-2



Chromatogram

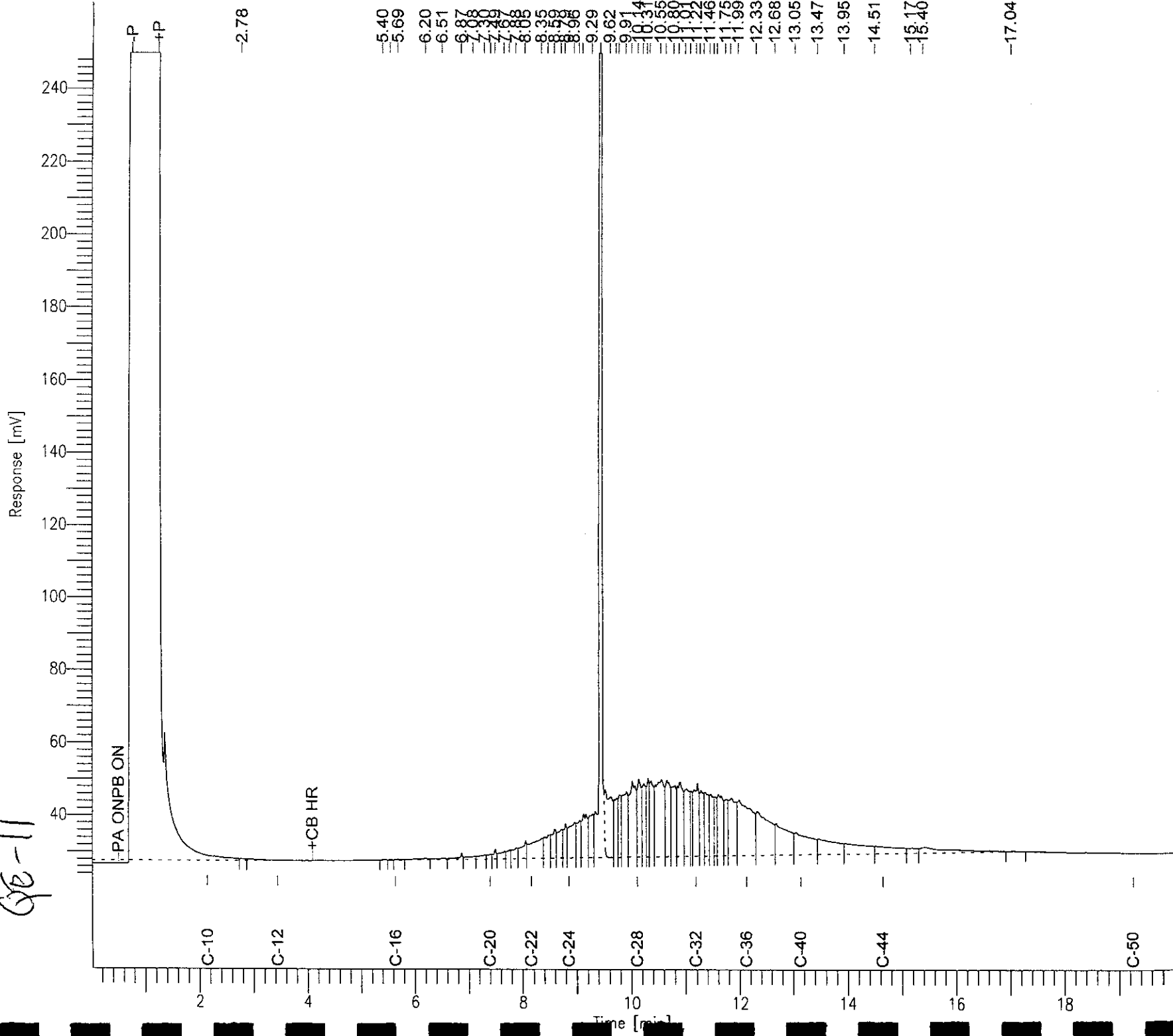
Sample Name : 175848-003sg,96261
FileName : G:\GC13\CHB\314B012.RAW
Method : BTEH313S.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 19.99 min
Plot Offset: 23 mV

Date : 11/9/04 03:48 PM
Time of Injection: 11/9/04 03:27 PM
Low Point : 23.41 mV
High Point : 249.85 mV

Page 1 of 1

QE-11



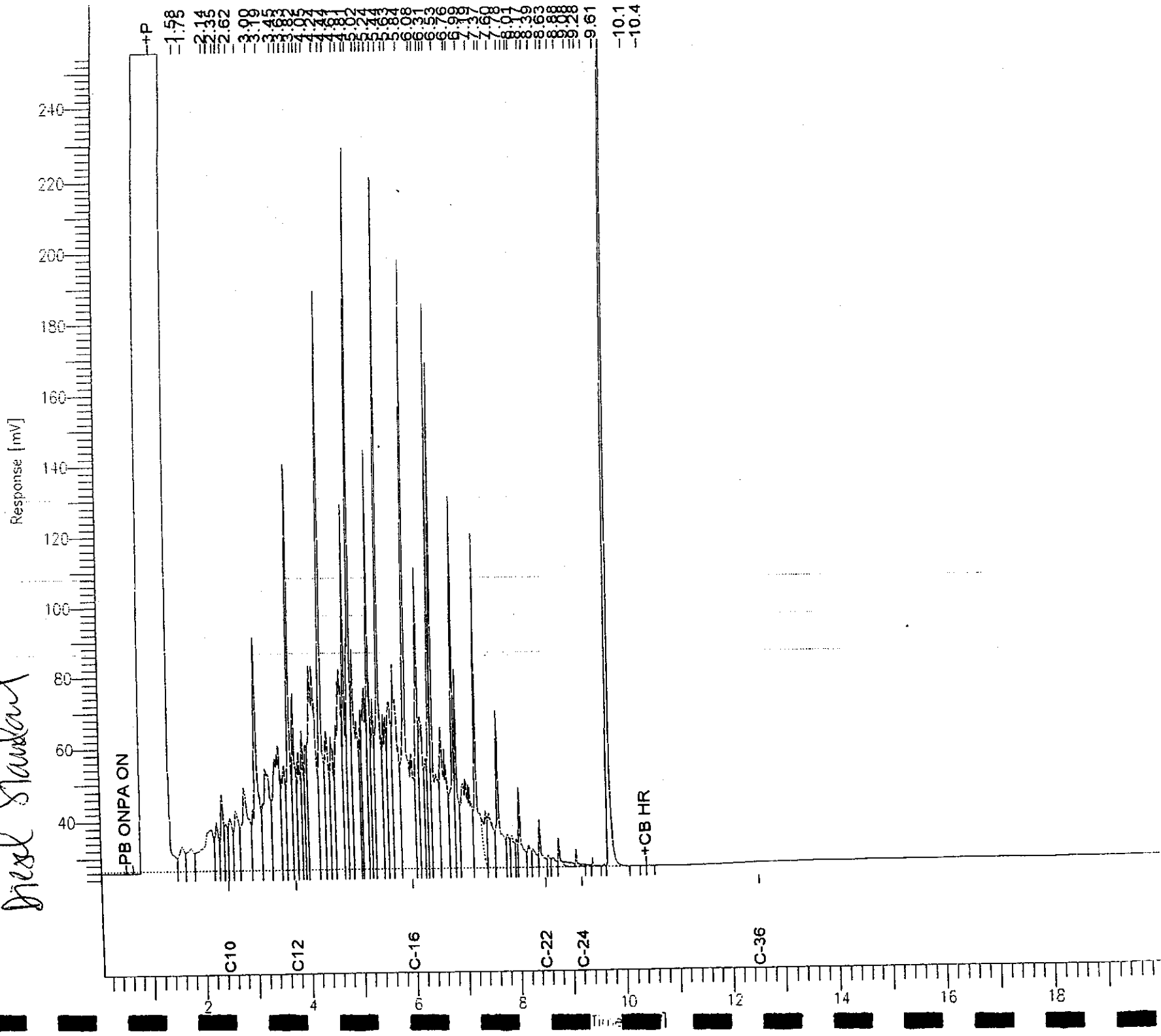
Chromatogram

Page 1 of 1

Sample #: 500mg/L
Date : 11/8/04 11:46 AM
Time of Injection: 11/8/04 10:50 AM
Low Point : 23.52 mV
High Point : 255.52 mV
Plot Scale: 232.0 mV

File Name : ccv_04ws1975.dsi
Name : G:\GC15\CHB\313B003.RAW
Mod : BTEHZ45S.MTH
Start Time : 0.01 min
End Time : 19.99 min
Plot Offset: 24 mV
Scale Factor: 0.0

Diesel Standard



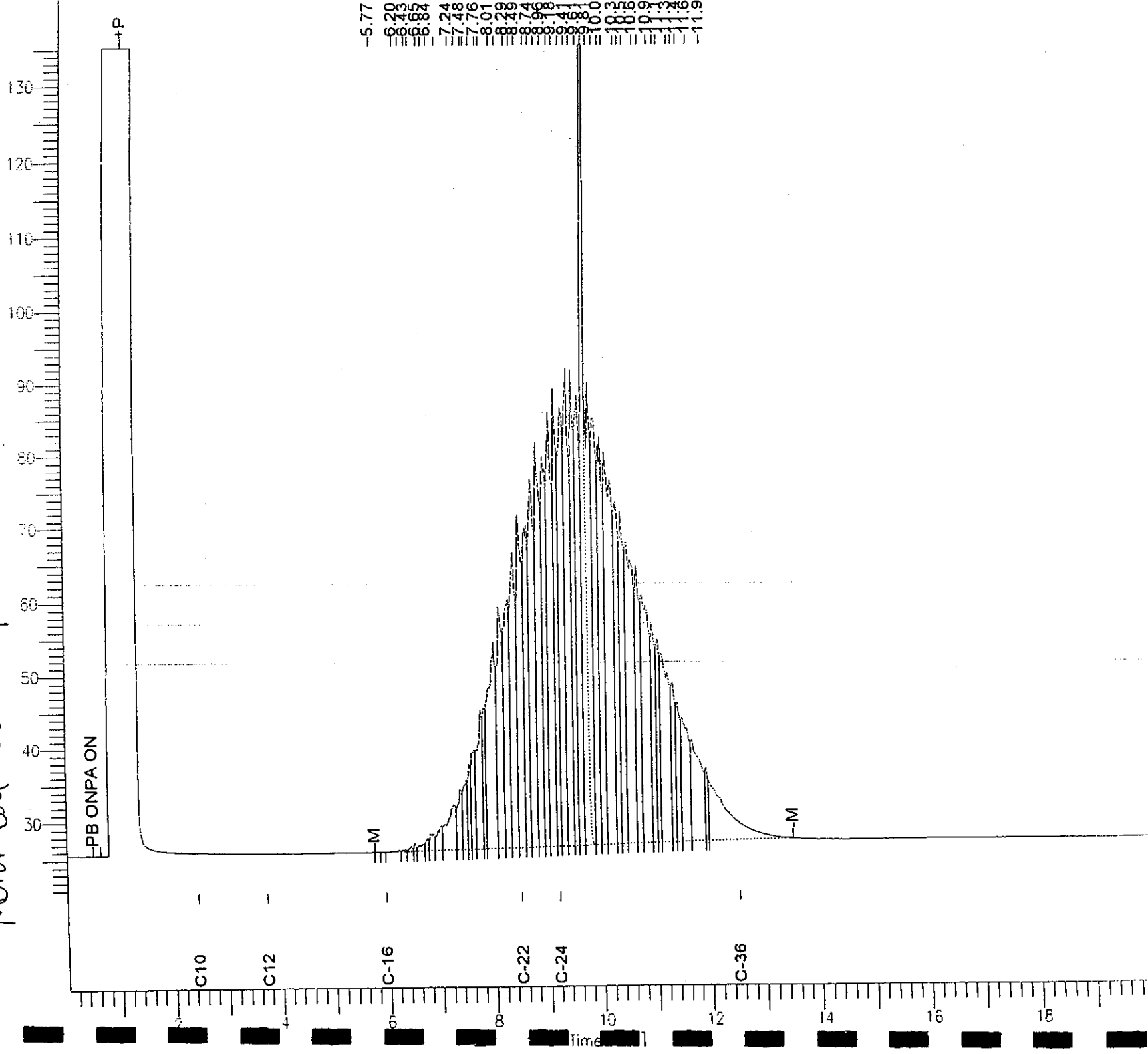
Chromatogram

Sample #: 500mg/L
Date: 11/8/04 11:47 AM
Time of Injection: 11/8/04 11:18 AM
Low Point: 20.63 mV
Plot Scale: 114.6 mV
High Point: 135.24 mV

File Name: CCV_04ws2074.mo
Name: G:\GC15\CHB\313B004.RAW
Date: 11/8/04 11:47 AM
Time of Injection: 11/8/04 11:18 AM
Low Point: 20.63 mV
Plot Scale: 114.6 mV
High Point: 135.24 mV

Motor Oil Standard

Response [mV]



-5.77
6.43
6.68
6.84
7.24
7.48
7.76
8.01
8.29
8.74
9.08
9.41
9.70
10.00
10.30
10.60
10.90
11.20
11.50
11.80
12.10
12.40
12.70
13.00
13.30
13.60
13.90
14.20
14.50
14.80
15.10
15.40
15.70
16.00
16.30
16.60
16.90
17.20
17.50
17.80
18.10
18.40
18.70
19.00

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	175848	Location:	Macarthur, Oakland
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC271347	Batch#:	96261
Matrix:	Soil	Prepared:	11/08/04
Units:	mg/Kg	Analyzed:	11/09/04
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.97	60.59	121	56-134

Surrogate	%REC	Limits
Hexacosane	120	55-134

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	175848	Location:	Macarthur, Oakland
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	96261
SS Lab ID:	175857-003	Sampled:	11/06/04
Matrix:	Soil	Received:	11/08/04
Units:	mg/Kg	Prepared:	11/08/04
Basis:	as received	Analyzed:	11/10/04
Wt Fac:	1.000		

Type: MS Cleanup Method: EPA 3630C
 Lab ID: QC271348

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	46.16	49.95	76.76	61	13-165

Surrogate	%REC	Limits
Hexacosane	80	55-134

Type: MSD Cleanup Method: EPA 3630C
 Lab ID: QC271349

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.86	78.77	65	13-165	3	49

Surrogate	%REC	Limits
Hexacosane	82	55-134



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NOV 9 4 2004

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

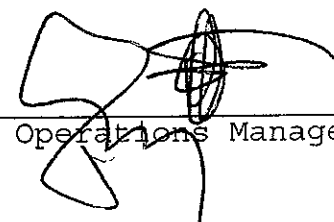
Prepared for:

Questa Engineering Corporation
1220 Brickyard Cove Road
Suite 206
Point Richmond, CA 94801

Date: 22-NOV-04
Lab Job Number: 175998
Project ID: STANDARD
Location: MacArthur, Oakland

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

Reviewed by: 
Project Manager

Reviewed by: 
Operations Manager

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CASE NARRATIVE

Laboratory number: 175998
Client: Questa Engineering Corporation
Location: MacArthur, Oakland
Request Date: 11/12/04
Samples Received: 11/12/04

This hardcopy data package contains sample and QC results for two soil samples, requested for the above referenced project on 11/12/04. The samples were received cold and intact.

TPH-Extractables by GC (EPA 8015B):

No analytical problems were encountered.

Client: M. Douglas Construction
Address: Walnut Creek CA

Report To: Questa
Bill To: Questa
Billing Reference: Walnut Creek, Oakland
Project No.: 240126

Site Name: Walnut Creek, Oakland
Project Manager: W. Hopkins
Requested Due Date: 11/15/04

Phone: (925) 250 5674
Sampled by (Print): W. Hopkins
Sampler Signature: W. Hopkins
Date Sampled: 11/12/04

PRESERVATIVES						ANALYSES REQUEST						REMARKS
NO. OF CONTAINERS	UNPRESERVED	H ₂ SO ₄	HNO ₃	VOA		TPH as directed	Water oil	by BGS in	Silica Gel	Blanking		
1						✓						
2												
3						X						
4.												
5.												
6.												
7.												
8.												
9.												

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	CONT. TYPE
1.	QST-3		Soil	Glass
2.	QST-4/QE15/17 WA		Soil	Glass
3.	QE17		Soil	Glass
4.				
5.				
6.				
7.				
8.				
9.				

COOLER NOS.	BAILERS	SHIP/OUT DATE	RETURNED DATE	ITEM NO.	RELINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
					W. Hopkins / Questa	Lawrence / Questa	11/12/04	1255

Additional Comments:

Questa Engineering Corporation
1220 Brickyard Cove Road
Point Richmond, CA 94807
P.O. Box 70356
Phone: (510) 236-6114
FAX: (510) 236-2423

CHAIN-OF-CUSTODY RECORD
ANALYTICAL REQUEST



Total Extractable Hydrocarbons

Lab #:	175998	Location:	MacArthur, Oakland
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	11/12/04
Units:	mg/Kg	Received:	11/12/04
Basis:	as received	Prepared:	11/12/04
Diln Fac:	1.000	Analyzed:	11/14/04
Batch#:	96449		

Field ID:	QST-3	Lab ID:	175998-001
Type:	SAMPLE	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	29 H Y	1.0
Motor Oil C24-C36	260	5.0

Surrogate	%REC	Limits
Hexacosane	86	55-134

Field ID:	QE17	Lab ID:	175998-002
Type:	SAMPLE	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	115	55-134

Type:	BLANK	Cleanup Method:	EPA 3630C
Lab ID:	QC272108		

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

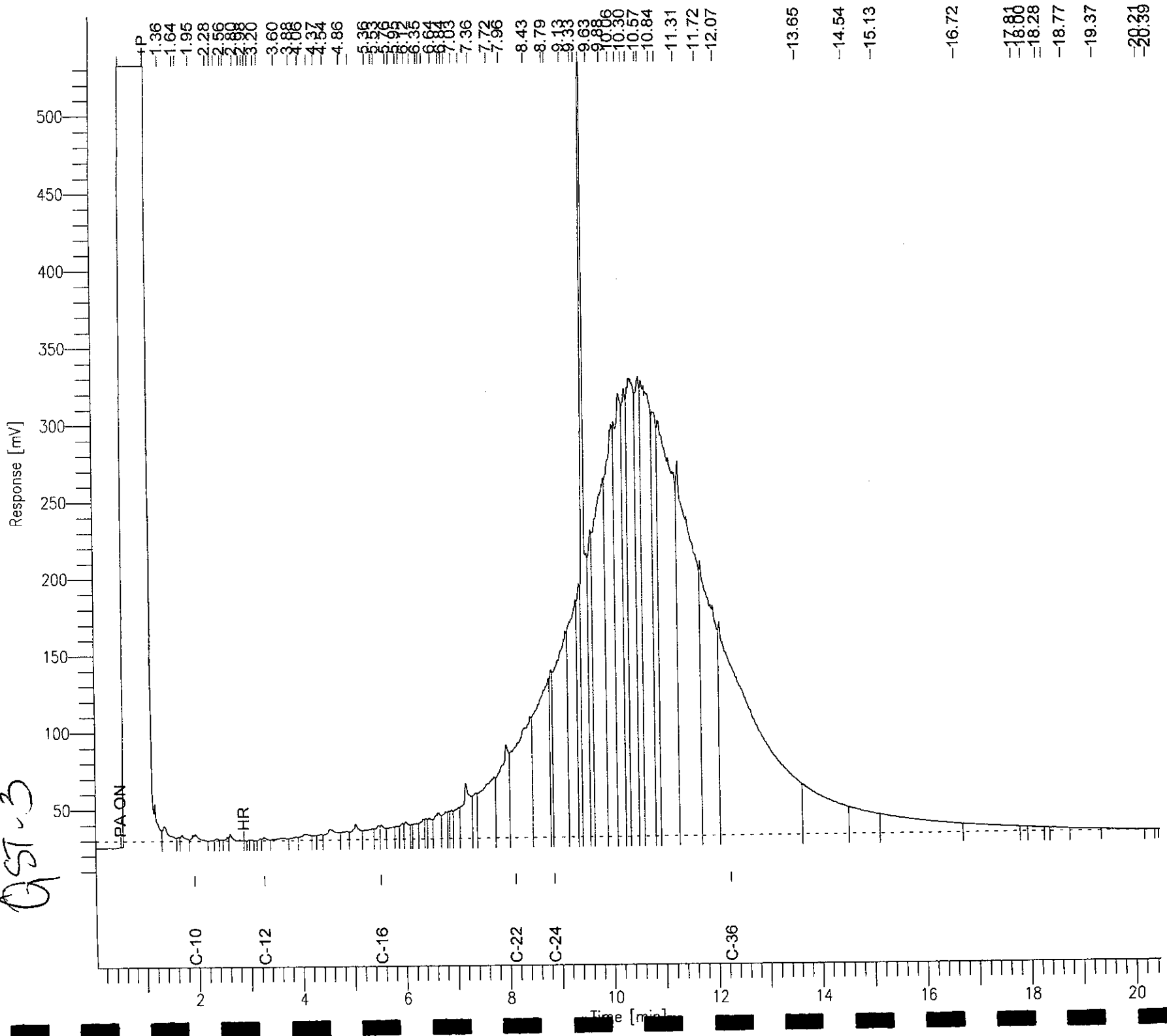
Surrogate	%REC	Limits
Hexacosane	80	55-134

* Heavier hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1

Chromatogram

Sample Name : 175998-001sg,96449
Date : 11/15/04 08:11 AM
Time of Injection: 11/14/04 07:49 PM
Low Point : 6.89 mV
Plot Scale: 525.5 mV
End Time : 20.45 min
Plot Offset: 7 mV
Sample #: 96449
Page 1 of 1

Q51-3



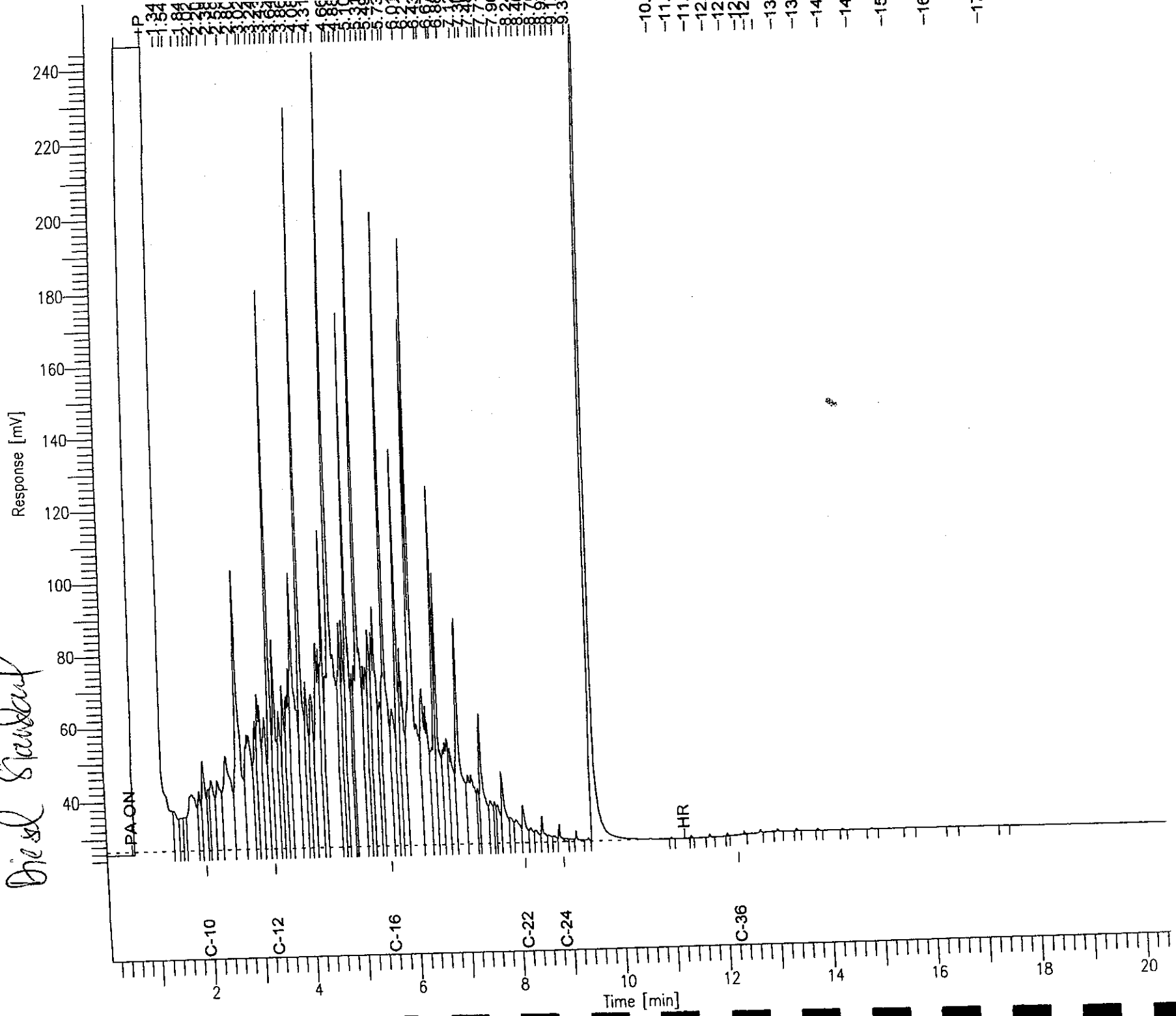
CHH Omd 009 1-00

Sample Name : ccv_04ws1975.ds1
File Name : G:\GC11\CHA\319A003.RAW
Method : ATEH309S.MTH
Start Time : 0.01 min
Scale Factor: 0.0

Sample #: 500mg/L
Date : 11/14/04 04:45 PM
Time of Injection: 11/14/04 01:25 PM
Low Point : 22.40 mV
Plot Scale: 223.6 mV

End Time : 20.45 min
Plot Offset: 27 mV

Diesel Standard



-10.1
-11.1
-11.1
-12.1
-12.1
-12.1
-13.1
-13.1
-14.1
-14.1
-15.1
-16.1
-17.1

Chromatogram

Sample Name : ccv_04ws2074.mc
FileName : G:\GC11\CHA\319A004.RAW
Method : ATEH309S.MTH
Start Time : 0.01 min
Scale Factor : 0.0

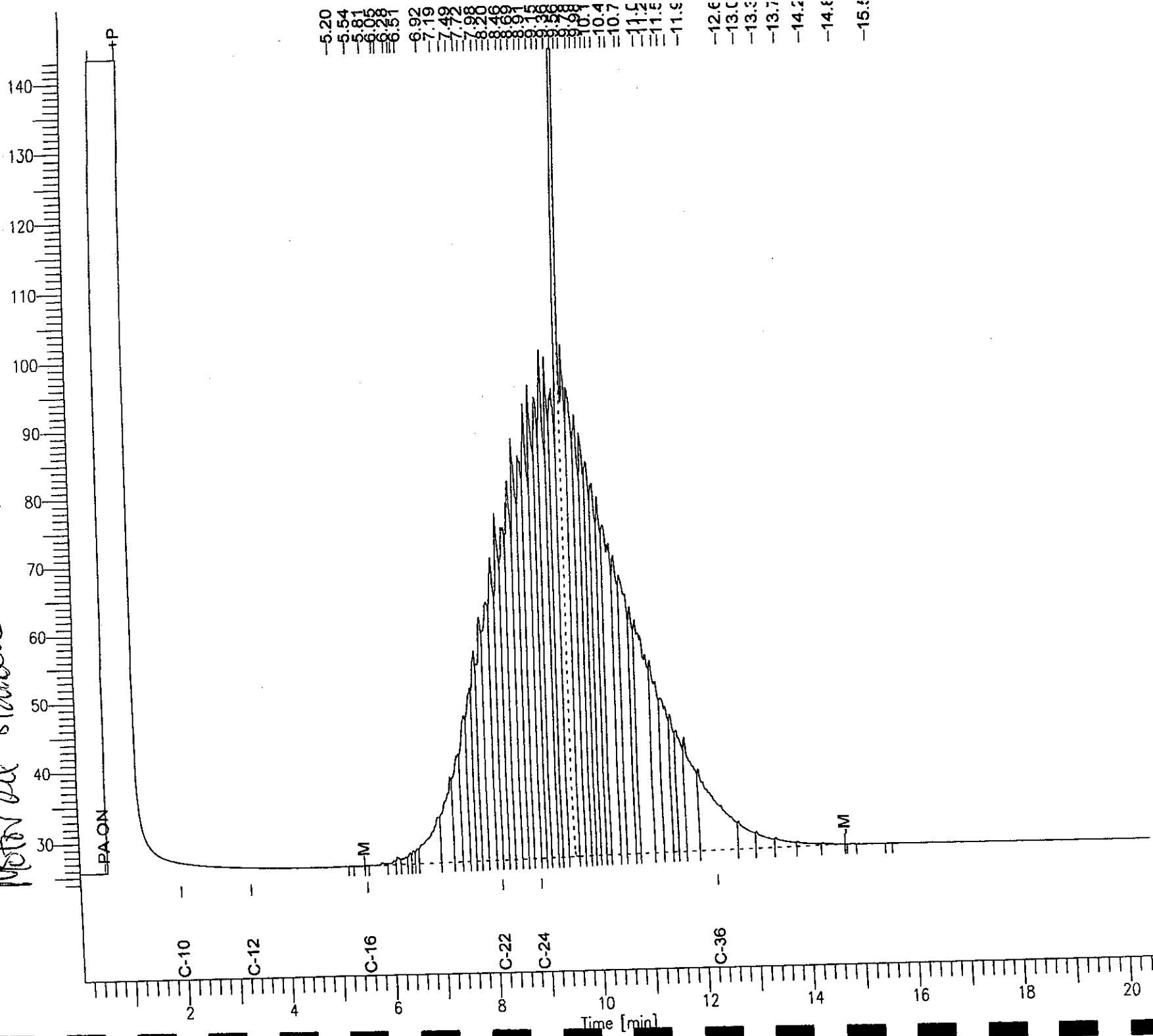
Sample #: 500mg/L
Date : 11/14/04 04:46 PM
Time of Injection: 11/14/04 01:54 PM
Low Point : 23.69 mV
Plot Scale: 119.7 mV

End Time : 20.45 min
Plot Offset: 24 mV

High Point : 143.37 mV

Noted Standard

Response [mV]



5.20
5.54
5.81
6.08
6.35
6.62
6.89
7.16
7.43
7.70
7.97
8.24
8.51
8.78
9.05
9.32
9.59
9.86
10.13
10.4
10.7
11.0
11.3
11.6
11.9
12.6
13.0
13.3
13.7
14.1
14.5
15.1



Batch QC Report

Total Extractable Hydrocarbons

Lab #:	175998	Location:	MacArthur, Oakland
Client:	Questa Engineering Corporation	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC272109	Batch#:	96449
Matrix:	Soil	Prepared:	11/12/04
Units:	mg/Kg	Analyzed:	11/14/04
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.63	52.10	105	56-134

Surrogate	%REC	Limits
Hexacosane	103	55-134

APPENDIX C

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



Vasco Road Landfill

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
 Address: 80 Grand Avenue
 City: Oakland County: Alameda
 State: CA Zip: 94611

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
 Address: 1101 Northgate Rd.
 City: Walnut Creek County: Contra Costa
 State: CA Zip: 94598

Site Location:

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area 8 ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DONALD E. FLAHERTY [Signature] 10-20-04
 Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: EKier Transp DOT Number:
 Address: Truck Number: 42
 Phone Number:

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

LOUIS EKIER [Signature] 10-22-04
 Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road Phone Number: (925) 447-0491
 Address: 4001 North Vasco Road Fax Number: (925) 447-0499
 Livermore, CA 94550

I hereby acknowledge receipt of the above described materials.

[Signature] 10-22-04
 Name (Print or Type) Signature Date Received



Vasco Road Landfill
NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Mahn
Address: 80 Grand Avenue
City: Oakland County: Alameda
State: CA Zip: 94611

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
Address: 1101 Northgate Rd.
City: Walnut Creek County: Contra Costa
State: CA Zip: 94598

Site Location:

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area 8 ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state-law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Donald E. Flaker  10-20-04
 Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: DOT Number:
 Address: Mid Coast Truck Number: 38
LIVERMORE Phone Number: 925-449-824

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

 10-22-04
 Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road Phone Number: (925) 447-0491
 Address: 4001 North Vasco Road Fax Number: (925) 447-0499
 Livermore, CA 94550

I hereby acknowledge receipt of the above described materials.

 10-22-04
 Name (Print or Type) Signature Date Received



Vasco Road Landfill
NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
Address: 80 Grand Avenue
City: Oakland County: Alameda
State: CA Zip: 94611

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
Address: 1101 Northgate Rd.
City: Walnut Creek County: Contra Costa
State: CA Zip: 94598

Site Location:

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area 8 ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

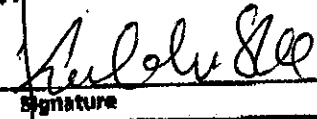
I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DONALD E. FLANER  10-20-04
 Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: Mid Coast
 Address: Livermore
 DOT Number:
 Truck Number: G91C # 224
 Phone Number: 925-449-824

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

  10-22-04
 Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road
 Address: 4001 North Vasco Road
 Livermore, CA 94550
 Phone Number: (925) 447-0491
 Fax Number: (925) 447-0499

I hereby acknowledge receipt of the above described materials.

 10-22-04
 Name (Print or Type) Signature Date Received

TARE 31,280



Vasco Road Landfill

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
 Address: 80 Grand Avenue
 City: Oakland County: Alameda
 State: CA Zip: 94611

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
 Address: 1101 Northgate Rd.
 City: Walnut Creek County: Contra Costa
 State: CA Zip: 94598

Site Location:

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area 8 ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DONALD E. ELNER [Signature] 10-20-04
 Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: MID COAST
 Address: Livermore

DOT Number:
 Truck Number: 01
 Phone Number: (925) 449-8211

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

MARINA [Signature] 10/21/04
 Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road
 Address: 4001 North Vasco Road
 Livermore, CA 94550

Phone Number: (925) 447-0491
 Fax Number: (925) 447-0499

I hereby acknowledge receipt of the above described materials.

[Signature] 10224
 Name (Print or Type) Signature Date Received



Vasco Road Landfill
NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
Address: 80 Grand Avenue
City: Oakland County: Alameda
State: CA Zip: 94611

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
Address: 1101 Northgate Rd.
City: Walnut Creek County: Contra Costa
State: CA Zip: 94598

Site Location:

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area 8 ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Donald E. Flaner Signature 10-20-04 Date Shipped
Generator/Authorized Agent Name

TRANSPORTER INFORMATION

Transporter Name: CENNER TRUCK DOT Number:
Address: PO Box 150 Truck Number: 84
VASCO RD Phone Number: 9254498211
LIVERMORE CA

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Donna Terry Signature 102304 Date Delivered
Name of Authorized Agent

DISPOSAL SITE INFORMATION

Site Name: Vasco Road Phone Number: (925) 447-0491
Address: 4001 North Vasco Road Fax Number: (925) 447-0499
Livermore, CA 94550

I hereby acknowledge receipt of the above described materials.

[Signature] Signature 102304 Date Received
Name (Print or Type)

2 10-22-04



31780
Vasco Road Landfill

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
 Address: 80 Grand Avenue
 City: Oakland County: Alameda
 State: CA Zip: 94611

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
 Address: 1101 Northgate Rd.
 City: Walnut Creek County: Contra Costa
 State: CA Zip: 94598

Site Location:

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area 8 ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Donald E. Flower [Signature] 10-20-04
 Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: DOT Number:
 Address: Mid Coast Truck Number: 38
LIVERMORE Phone Number: 925-449-8211

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

[Signature] 10-22-04
 Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road Phone Number: (925) 447-0491
 Address: 4001 North Vasco Road Fax Number: (925) 447-0499
 Livermore, CA 94550

I hereby acknowledge receipt of the above described materials.

3 10-22-04
 Name (Print or Type) Signature Date Received



Vasco Road Landfill

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Port of Oakland
 Address: 530 Water Street
 City: Oakland County: Alameda
 State: CA Zip: 94607
 Site Location: _____

CUSTOMER/BILLING INFORMATION

Billing Name: Dillard Environmental Services
 Address: P.O. Box 579
 City: Byron County: Contra Costa
 State: CA Zip: 94514

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002749	Soil / ADC	25000 Ton(s)	1/13/2005	DT
Disposal Instructions				
Only soils from Berth 10 are approved under this review. Use as ADC in Area 8 ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

AS agent for the Port of Oakland
 Generator/Authorized Agent Name: _____ Signature: _____ Date Shipped: _____

TRANSPORTER INFORMATION

Transporter Name: Dillard
 Address: P.O. Box 579
 Byron
 DOT Number: 222228
 Truck Number: K54
 Phone Number: 222-2222

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Name of Authorized Agent: _____ Signature: _____ Date Delivered: 10-22-04

DISPOSAL SITE INFORMATION

Site Name: Vasco Road
 Address: 4001 North Vasco Road
 Livermore, CA 94550
 Phone Number: (925) 447-0491
 Fax Number: (925) 447-0499

I hereby acknowledge receipt of the above described materials.

Name (Print or Type): _____ Signature: _____ Date Received: 10-22-04



Vasco Road Landfill
NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
Address: 80 Grand Avenue
City: Oakland County: Alameda
State: CA Zip: 94611

Site Location:

CUSTOMER/BILLING INFORMATION

Billing Name: Mac Douglas Construction, Inc.
Address: 1101 Northgate Rd.
City: Walnut Creek County: Contra Costa
State: CA Zip: 94598

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area 8 ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc. for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Donald E. Elmer
Generator/Authorized Agent Name
Signature
Date Shipped: 10-20-04

TRANSPORTER INFORMATION

Transporter Name: DEHNINGER TRK DOT Number:
Address: LIVERMORE Truck Number: 84
Phone Number:

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Donna L. Terry
Name of Authorized Agent
Signature
Date Delivered: 102304

DISPOSAL SITE INFORMATION

Site Name: Vasco Road Phone Number: (925) 447-0491
Address: 4001 North Vasco Road Fax Number: (925) 447-0499
Livermore, CA 94550

I hereby acknowledge receipt of the above described materials.

Signature
Date Received: 10224



Vasco Road Landfill
NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
 Address: 80 Grand Avenue
 City: Oakland County: Alameda
 State: CA Zip: 94611

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
 Address: 1101 Northgate Rd.
 City: Walnut Creek County: Contra Costa
 State: CA Zip: 94598

Site Location:

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area 8 ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DONALD E. ELNER [Signature] 10-20-04
 Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: Mid Coast
 Address: Livermore

DOT Number:
 Truck Number: GSK # 226
 Phone Number: 925-449-8211

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

[Signature] 10-22-04
 Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road
 Address: 4001 North Vasco Road
 Livermore, CA 94550

Phone Number: (925) 447-0491
 Fax Number: (925) 447-0499

I hereby acknowledge receipt of the above described materials.

[Signature] 10-22-04
 Name (Print or Type) Signature Date Received

TARE, 3,280



Vasco Road Landfill
NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
 Address: 80 Grand Avenue
 City: Oakland County: Alameda
 State: CA Zip: 94611

Site Location:

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
 Address: 1101 Northgate Rd.
 City: Walnut Creek County: Contra Costa
 State: CA Zip: 94598

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area 8 ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DONALD E. FLAHER [Signature] 10-20-04
 Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: MIP COAST DOT Number:
 Address: Livermore Truck Number: 01
 Phone Number: 449-8211

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

MARTIN [Signature] 10/21
 Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road Phone Number: (925) 447-0491
 Address: 4001 North Vasco Road Fax Number: (925) 447-0499
 Livermore, CA 94550

I hereby acknowledge receipt of the above described materials.

[Signature] 10224
 Name (Print or Type) Signature Date Received



Vasco Road Landfill

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
 Address: 80 Grand Avenue
 City: Oakland County: Alameda
 State: CA Zip: 94611

Site Location:

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
 Address: 1101 Northgate Rd.
 City: Walnut Creek County: Contra Costa
 State: CA Zip: 94598

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area 8 ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DONALD E. ELNER [Signature] 10-20-04
 Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: E Kier Transp
 Address:

DOT Number:
 Truck Number: 42
 Phone Number:

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

L. E. Kier [Signature] 10-22-04
 Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road
 Address: 4001 North Vasco Road
 Livermore, CA 94550

Phone Number: (925) 447-0491
 Fax Number: (925) 447-0499

I hereby acknowledge receipt of the above described materials.

[Signature] 10-22-04
 Name (Print or Type) Signature Date Received



Vasco Road Landfill

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
 Address: 80 Grand Avenue
 City: Oakland County: Alameda
 State: CA Zip: 94611

Site Location:

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
 Address: 1101 Northgate Rd.
 City: Walnut Creek County: Contra Costa
 State: CA Zip: 94598

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area B ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Donald E. Elmer [Signature] 10-20-04
 Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: EKier Transp
 Address:

DOT Number:
 Truck Number: 42
 Phone Number:

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

L. EKier [Signature] 10-22-04
 Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road
 Address: 4001 North Vasco Road
 Livermore, CA 94550

Phone Number: (925) 447-0491
 Fax Number: (925) 447-0499

I hereby acknowledge receipt of the above described materials.

[Signature] 10-22-04
 Name (Print or Type) Signature Date Received



Vasco Road Landfill

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
 Address: 80 Grand Avenue
 City: Oakland County: Alameda
 State: CA Zip: 94611

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
 Address: 1101 Northgate Rd.
 City: Walnut Creek County: Contra Costa
 State: CA Zip: 94598

Site Location:

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area 8 ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt of the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 49 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DONALD E. FLAHERTY [Signature] 10-20-04
 Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: M Douglas Const DOT Number:
 Address: Livermore Truck Number: GAH # 226
 Phone Number: 925-449-8240

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

[Signature] 10-22-04
 Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road Phone Number: (925) 447-0491
 Address: 4001 North Vasco Road Fax Number: (925) 447-0499
 Livermore, CA 94550

I hereby acknowledge receipt of the above described materials.

[Signature] 10-22-04
 Name (Print or Type) Signature Date Received

Tare : 31,280



Vasco Road Landfill

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
Address: 80 Grand Avenue
City: Oakland County: Alameda
State: CA Zip: 94611

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
Address: 1101 Northgate Rd.
City: Walnut Creek County: Contra Costa
State: CA Zip: 94598

Site Location:

Table with 5 columns: Republic Services Approval Number, Description of Waste, Volume or Weight, Expiration Date, Container Type. Includes disposal instructions: Use as ADC in Area 8 ONLY. No free liquids or debris. Moisture content MUST be < 50%.

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DONALD E. ELANDER (Signature) 10-20-04
Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: MID COAST
Address: Livermore

DOT Number:
Truck Number: 01
Phone Number: 449-8211

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

MARTHA (Signature) 10/22
Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road
Address: 4001 North Vasco Road
Livermore, CA 94550

Phone Number: (925) 447-0491
Fax Number: (925) 447-0499

I hereby acknowledge receipt of the above described materials.

(Signature) 10-22-04
Name (Print or Type) Signature Date Received



Vasco Road Landfill

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
 Address: 80 Grand Avenue
 City: Oakland County: Alameda
 State: CA Zip: 94611

Site Location:

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
 Address: 1101 Northgate Rd.
 City: Walnut Creek County: Contra Costa
 State: CA Zip: 94598

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area B ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DONALD E. ELNER [Signature] 10-20-04
 Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: EKler Transp DOT Number:
 Address: Truck Number: 42
 Phone Number:

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

L. EKler [Signature] 10-25-04
 Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road Phone Number: (925) 447-0491
 Address: 4001 North Vasco Road Fax Number: (925) 447-0499
 Livermore, CA 94550

I hereby acknowledge receipt of the above described materials.

[Signature] 10-25-04
 Name (Print or Type) Signature Date Received



Vasco Road Landfill
NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
Address: 80 Grand Avenue
City: Oakland County: Alameda
State: CA Zip: 94611

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
Address: 1101 Northgate Rd.
City: Walnut Creek County: Contra Costa
State: CA Zip: 94598

Site Location:

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area B ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Generator/Authorized Agent Name: DONALD E. ELANER
Signature: [Signature]
Date Shipped: 10-20-04

TRANSPORTER INFORMATION

Transporter Name: JAS
Address: 324 Milagra

DOT Number: 0212910
Truck Number: 57
Phone Number: 650 387 0276

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Name of Authorized Agent: [Signature]
Signature: [Signature]
Date Delivered: 10-25-04

DISPOSAL SITE INFORMATION

Site Name: Vasco Road
Address: 4001 North Vasco Road
Livermore, CA 94550

Phone Number: (925) 447-0491
Fax Number: (925) 447-0499

I hereby acknowledge receipt of the above described materials.

Name (Print or Type): [Signature]
Signature: [Signature]
Date Received: 10-25-04



Vasco Road Landfill

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
 Address: 80 Grand Avenue
 City: Oakland County: Alameda
 State: CA Zip: 94611

Site Location:

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
 Address: 1101 Northgate Rd.
 City: Walnut Creek County: Contra Costa
 State: CA Zip: 94598

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area 8 ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Donald E. Flower [Signature] 10-20-04
 Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: DEHNIBER TRK DOT Number: 31800
 Address: Truck Number: 84
 Phone Number: 925 4998211

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

[Signature] [Signature] 102504
 Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road Phone Number: (925) 447-0491
 Address: 4001 North Vasco Road Fax Number: (925) 447-0499
 Livermore, CA 94550

I hereby acknowledge receipt of the above described materials.

[Signature] 10 25 04
 Name (Print or Type) Signature Date Received



Vasco Road Landfill

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
 Address: 80 Grand Avenue
 City: Oakland County: Alameda
 State: CA Zip: 94611

Site Location:

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
 Address: 1101 Northgate Rd.
 City: Walnut Creek County: Contra Costa
 State: CA Zip: 94598

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	END DUMP
Disposal Instructions				
Use as ADC in Area 8 ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Donald E. Flaker [Signature] 10-20-04
 Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: ALVISO ROCK INC DOT Number:
 Address: 41550 Truck Number: 17
BOZELL FREIGHT Phone Number: 510-224-9244

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

[Signature] 10-25-04
 Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road Phone Number: (925) 447-0491
 Address: 4001 North Vasco Road Fax Number: (925) 447-0499
 Livermore, CA 94550

I hereby acknowledge receipt of the above described materials.

3 10-25-4
 Name (Print or Type) Signature Date Received



Vasco Road Landfill
NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
Address: 80 Grand Avenue
City: Oakland County: Alameda
State: CA Zip: 94611

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
Address: 1101 Northgate Rd.
City: Walnut Creek County: Contra Costa
State: CA Zip: 94598

Site Location:

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area 8 ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DONALD E. FLAHERTY [Signature] 10-20-04
Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: LED-S
Address: LED-S

DOT Number: 425
Truck Number: 425
Phone Number: 408-594-0404

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

LEDBARDO MAREZ [Signature] 10-25-04
Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road
Address: 4001 North Vasco Road
Livermore, CA 94550

Phone Number: (925) 447-0491
Fax Number: (925) 447-0499

I hereby acknowledge receipt of the above described materials.

[Signature] 10-25-04
Name (Print or Type) Signature Date Received



Vasco Road Landfill

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
Address: 80 Grand Avenue
City: Oakland County: Alameda
State: CA Zip: 94611

Site Location:

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
Address: 1101 Northgate Rd.
City: Walnut Creek County: Contra Costa
State: CA Zip: 94598

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area B ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DONALD E. ELNER [Signature] 10-20-04
Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: JJS
Address: 324 MILAGRA

DOT Number: 0212910
Truck Number: 57
Phone Number: 650-3870276

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

[Signature] 10-25-04
Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road
Address: 4001 North Vasco Road
Livermore, CA 94550

Phone Number: (925) 447-0491
Fax Number: (925) 447-0499

I hereby acknowledge receipt of the above described materials.

3 10-25-04
Name (Print or Type) Signature Date Received



Vasco Road Landfill

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
 Address: 80 Grand Avenue
 City: Oakland County: Alameda
 State: CA Zip: 94611

Site Location:

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
 Address: 1101 Northgate Rd.
 City: Walnut Creek County: Contra Costa
 State: CA Zip: 94598

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area 8 ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 281 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DONALD E. FLAHER *(Signature)* 10-20-04
 Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: ALVISO ROCK INC DOT Number:
 Address: 41550 BASCELL Truck Number: 17
FREMONT Phone Number: 510-226-8244

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Fred Mauer *(Signature)* 10-23-04
 Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road Phone Number: (925) 447-0491
 Address: 4001 North Vasco Road Fax Number: (925) 447-0499
 Livermore, CA 94550

I hereby acknowledge receipt of the above described materials.

MD *(Signature)* 10254
 Name (Print or Type) Signature Date Received



Vasco Road Landfill

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
 Address: 80 Grand Avenue
 City: Oakland County: Alameda
 State: CA Zip: 94611

Site Location:

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
 Address: 1101 Northgate Rd.
 City: Walnut Creek County: Contra Costa
 State: CA Zip: 94598

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area B ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DONALD E. ELNER [Signature] 10-20-04
 Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name:
 Address:

DOT Number: 425
 Truck Number: 408 5940409
 Phone Number: 408 5940409

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

LEO BARRERA [Signature] 10-25-04
 Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road
 Address: 4001 North Vasco Road
 Livermore, CA 94550

Phone Number: (925) 447-0491
 Fax Number: (925) 447-0499

I hereby acknowledge receipt of the above described materials.

[Signature] 10-25-04
 Name (Print or Type) Signature Date Received



Vasco Road Landfill

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
 Address: 80 Grand Avenue
 City: Oakland County: Alameda
 State: CA Zip: 94611

Site Location:

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
 Address: 1101 Northgate Rd.
 City: Walnut Creek County: Contra Costa
 State: CA Zip: 94598

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area 8 ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 281 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DONALD E. FLANER *(Signature)* 10-20-04
 Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: GA TRUCKING DOT Number: 30700 LBS
 Address: Truck Number: 4-4A
 Phone Number: (408) 210-77-87

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Jose Olvera *(Signature)* 10/25/04
 Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road Phone Number: (925) 447-0491
 Address: 4001 North Vasco Road Fax Number: (925) 447-0499
 Livermore, CA 94550

I hereby acknowledge receipt of the above described materials.

3 *(Signature)* 10-25-4
 Name (Print or Type) Signature Date Received



Vasco Road Landfill

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
 Address: 80 Grand Avenue
 City: Oakland County: Alameda
 State: CA Zip: 94611

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
 Address: 1101 Northgate Rd.
 City: Walnut Creek County: Contra Costa
 State: CA Zip: 94598

Site Location:

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area 8 ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DONALD E. FLAHER [Signature] 10-20-04
 Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: J+S DOT Number: 0212910
 Address: 324 Milagra Truck Number: 57
 Phone Number: 650 3571685

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

[Signature] 10-25-04
 Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road Phone Number: (925) 447-0491
 Address: 4001 North Vasco Road Fax Number: (925) 447-0499
 Livermore, CA 94550

I hereby acknowledge receipt of the above described materials.

[Signature] 10254
 Name (Print or Type) Signature Date Received



Vasco Road Landfill

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
 Address: 80 Grand Avenue
 City: Oakland County: Alameda
 State: CA Zip: 94611
 Site Location:

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
 Address: 1101 Northgate Rd.
 City: Walnut Creek County: Contra Costa
 State: CA Zip: 94598

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area B ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

31800

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Donald E. Flaner [Signature] 10-20-04
 Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: OEHNINGER TRK DOT Number:
 Address: Truck Number: 84
 Phone Number: 925 449 8211

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Donna Terry [Signature] 102504
 Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road Phone Number: (925) 447-0491
 Address: 4001 North Vasco Road Fax Number: (925) 447-0499
 Livermore, CA 94550

I hereby acknowledge receipt of the above described materials.

3 [Signature] 10-25-04
 Name (Print or Type) Signature Date Received

SPECIAL WASTE ANALYTICAL DATA SHEET

Disposal Facility: Vasco Road Facility Approval Number 1002755

Generator's Name: Alex Hahn

Address: 80 Grand Avenue

Common Name of Waste: Soil

Hauling Company (transporter): M. Douglas Construction, Inc.

Contact's Name: Don Flaner

Contact's Phone Number: (925) 250 5674

Physical Screening

DO THE FOLLOWING OBSERVATIONS MATCH THE INFORMATION PROVIDED BY THE SPECIAL WASTE PROFILE (Form SW01) AND GENERATOR?

INDICATE YES OR NO FOR EACH OF THE FOLLOWING TESTS AND NOTE ANY DISCREPANCIES.

<u>Test</u>	<u>Yes</u>	<u>or</u>	<u>No</u>	<u>Comments and/or Observations:</u>
Color	<input checked="" type="checkbox"/>			
Odor			<input checked="" type="checkbox"/>	
Physical State	<input checked="" type="checkbox"/>			
Free Liquids	<input checked="" type="checkbox"/>			
WASTE PASSED	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	ACCEPTED
WASTE FAILED				REJECTED
REASON(S)	<u></u>			

IF WASTE FAILS ONE OR MORE OF THE PHYSICAL SCREENING TESTS, THE WASTE IS DEEMED UNACCEPTABLE FOR DISPOSAL AND SHOULD BE REJECTED.

Michael Powell
SIGNATURE

10-21-4
DATE

FACILITY MANAGER'S SIGNATURE

DATE



Vasco Road Landfill

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
Address: 80 Grand Avenue
City: Oakland County: Alameda
State: CA Zip: 94611

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
Address: 1101 Northgate Rd.
City: Walnut Creek County: Contra Costa
State: CA Zip: 94598

Site Location:

Table with 5 columns: Republic Services Approval Number, Description of Waste, Volume or Weight, Expiration Date, Container Type. Includes Disposal Instructions: Use as ADC in Area 8 ONLY. No free liquids or debris. Moisture content MUST be < 50%.

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DONALD E. ELNER Generator/Authorized Agent Name
Signature
Date Shipped 10-20-04

TRANSPORTER INFORMATION

Transporter Name: CM STURGIS DOT Number: 59099
Address: P.O. Box 275 Truck Number: 6323
Phone Number: 925-936-9122

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Misha Sturis Name of Authorized Agent
Signature
Date Delivered 11-4-04

DISPOSAL SITE INFORMATION

Site Name: Vasco Road Phone Number: (925) 447-0491
Address: 4001 North Vasco Road Fax Number: (925) 447-0499
Livermore, CA 94550

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) Signature Date Received 11-4-04



Vasco Road Landfill
NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
Address: 80 Grand Avenue
City: Oakland County: Alameda
State: CA Zip: 94611

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
Address: 1101 Northgate Rd.
City: Walnut Creek County: Contra Costa
State: CA Zip: 94598

Site Location:

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area 8 ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DONALD E. ELANDER _____ 10-20-04
 Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: CAA STEVENS DOT Number: 59099
 Address: PO BOX 275 Truck Number: 6323
 Phone Number: 925 736-9122

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

_____ 11-4-04
 Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road Phone Number: (925) 447-0491
 Address: 4001 North Vasco Road Fax Number: (925) 447-0499
 Livermore, CA 94550

I hereby acknowledge receipt of the above described materials.
 _____ 11-4-4
 Name (Print or Type) Signature Date Received



Vasco Road Landfill

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
Address: 80 Grand Avenue
City: Oakland County: Alameda
State: CA Zip: 94611

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
Address: 1101 Northgate Rd.
City: Walnut Creek County: Contra Costa
State: CA Zip: 94598

Site Location:

Table with 5 columns: Republic Services Approval Number, Description of Waste, Volume or Weight, Expiration Date, Container Type. Includes Disposal Instructions: Use as ADC in Area 8 ONLY. No free liquids or debris. Moisture content MUST be < 50%.

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DONALD E. FLAHERTY (Signature) 10-20-04 (Date Shipped)
Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: CMA STEVENS DOT Number: 59089
Address: P.O. Box 275 Truck Number: 6323
Phone Number: 925-732-9122

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

(Signature) 11-4-04 (Date Delivered)
Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road Phone Number: (925) 447-0491
Address: 4001 North Vasco Road Fax Number: (925) 447-0499
Livermore, CA 94550

I hereby acknowledge receipt of the above described materials.

(Signature) 11-4-04 (Date Received)
Name (Print or Type) Signature Date Received



Vasco Road Landfill

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
 Address: 80 Grand Avenue
 City: Oakland County: Alameda
 State: CA Zip: 94611

Site Location:

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
 Address: 1101 Northgate Rd.
 City: Walnut Creek County: Contra Costa
 State: CA Zip: 94598

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area B ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DONALD E. FLAHER [Signature] 10-20-04
 Generator/Authorized Agent Name Signature Date Shipped

TRANSPORTER INFORMATION

Transporter Name: CMA STEVENS
 Address: P.O. Box 275

DOT Number: 59099
 Truck Number: 6323
 Phone Number: 925-899-736-9122

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

[Signature] 11-5-04
 Name of Authorized Agent Signature Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Vasco Road
 Address: 4001 North Vasco Road
 Livermore, CA 94550

Phone Number: (925) 447-0491
 Fax Number: (925) 447-0499

I hereby acknowledge receipt of the above described materials.

[Signature] 11/5/04
 Name (Print or Type) Signature Date Received



Vasco Road Landfill

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Alex Hahn
 Address: 80 Grand Avenue
 City: Oakland County: Alameda
 State: CA Zip: 94611
 Site Location:

CUSTOMER/BILLING INFORMATION

Billing Name: M Douglas Construction, Inc.
 Address: 1101 Northgate Rd.
 City: Walnut Creek County: Contra Costa
 State: CA Zip: 94598

Republic Services Approval Number	Description of Waste	Volume or Weight	Expiration Date	Container Type
1002755	Soil / ADC	4000 Ton(s)	1/18/2005	
Disposal Instructions				
Use as ADC in Area 8 ONLY. No free liquids or debris. Moisture content MUST be < 50%.				

The above Disposal Instructions are a requirement of Republic Services, Inc., for management of the profiled material. The approval is based upon a review of information provided by the generator and is contingent upon the receipt at the disposal facility of a waste material essentially equivalent in chemical and physical characteristics and properties to that profiled.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Donald E. Elmer Signature 10-20-04 Date Shipped
 Generator/Authorized Agent Name

TRANSPORTER INFORMATION

Transporter Name: CRA STEVENSON'S
 Address: PO. BOX 275

DOT Number: 58099
 Truck Number: 6323
 Phone Number: 925-736-9122

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Michael Steves Signature 11-5-04 Date Delivered
 Name of Authorized Agent

DISPOSAL SITE INFORMATION

Site Name: Vasco Road
 Address: 4001 North Vasco Road
 Livermore, CA 94550

Phone Number: (925) 447-0491
 Fax Number: (925) 447-0499

I hereby acknowledge receipt of the above described materials.

MP 1154 Signature 1154 Date Received
 Name (Print or Type)

