Limited Phase II Soil and Groundwater Quality Investigation
Silveria Ranch Site
6615 Tassajara Road
Pleasanton, California

February 5, 2001
7941.00-001

Prepared for
SummerHill Homes
777 California Avenue
Palo Alto, California

LFR
LEVINE • FRICKE

LFR
LEVINE • FRICKE

February 5, 2001 7941.00-001

Mr. Mark A. Beskind
SummerHill Homes
777 California Avenue
Palo Alto, California 94304

Subject: Limited Phase II Soil and Groundwater Quality Investigation Report, Silveria Ranch Site, 6615 Tassajara Road, Pleasanton, California

Dear Mr. Beskind:

Enclosed is the subject report, regarding the Silveria Ranch site at 6615 Tassajara Road, in Pleasanton, California ("the Site"). The limited Phase II soil and groundwater investigation discussed in this report included advancing three soil borings to a depth of 15 feet below ground surface (bgs), advancing two soil borings to the first water bearing zone (approximately 27 feet bgs), and collecting eight shallow soil samples. Grab groundwater samples were also collected from the two deeper soil borings. Samples were analyzed for arsenic and lead; selected samples were also analyzed for total petroleum hydrocarbons (TPH) as diesel (TPHd), as gasoline (TPHg), and as motor oil (TPHmo), for volatile organic compounds (VOCs), and for pesticides and herbicides.

On November 27, 2000, the owner and current resident of the property, Mr. Chris Haight, showed LFR staff what he said was the location of a former UST at the property ("the presumed former UST"). The presumed former UST was not reported in Terrasearch, Inc.'s "Phase I Environmental Site Assessment of the Silveria and Regwick Properties," dated March 26, 1999.

Soil samples were collected from the areas of potential hydrocarbon contamination (i.e., at the locations of aboveground storage tanks and the presumed former UST and areas in which soil staining was observed). Analysis of most samples indicated residual concentrations of TPHg and TPHd below regulatory levels of concern. However, the groundwater sample collected near the presumed former UST location contained TPHd at 13,000 ppb, TPHg at 18,000 ppb, and total benzene, toluene, ethylbenzene, and xylene (BTEX) compounds at approximately 2,000 ppb. These analytical results indicate that groundwater in this area is affected with residual chemicals at concentrations above U.S. Environmental Protection Agency (U.S. EPA) Maximum Contaminant Levels (MCLs). Additionally, because the removal of the UST is unconfirmed, it is possible that it is still present and may be a continuing source of contaminants to site soil and groundwater.

Therefore, we recommend additional investigation at the Site, to evaluate the lateral extent of hydrocarbons and hydrocarbon constituents in groundwater and to determine whether the presumed former UST is still present at the Site or has been removed.

If you have any questions, please feel free to call me or Lucas Goldstein at (510) 652-4500.

Sincerely,

Andrew M. Lojo, R.G.
Senior Geologist

Enclosure

cc: Adam Tennant, SummerHill Homes

CONTENTS

1.0 INTRODUCTION

LFR Levine·Fricke (LFR) has prepared this report on behalf of SummerHill Homes to document its November 2000 Phase II investigation of soil and groundwater quality at the Silveria Ranch site, located at 6615 Tassajara Road in Pleasanton, California ("the Site"; Figure 1). The objective of the investigation was to assess whether soil in selected areas of the Site has been affected by chemical storage and use at the Site, as reported in Terrasearch, Inc.'s "Phase I Environmental Site Assessment of the Silveria and Regwick Properties," dated March 26, 1999 ("the Terrasearch Phase I ESA").

1.1 Site Location and Previous Investigations

The Site is located immediately east of Tassajara Road near the northern boundary of Alameda County, and within the limits of the city of Pleasanton (Figures 1 and 2). The Site is approximately 91 acres in size, with hilly topography. Site features include a main residence, a garden shed, three barns, a stable area, and a carport (Figure 3). The Terrasearch Phase I ESA states that the Site has only been used for grazing livestock, and identifies the following potential adverse environmental conditions at the Site:

- two 550-gallon steel aboveground storage tanks (ASTs)
- a gasoline pump
- petroleum staining on the floors of the barns
- containers of pesticides and herbicides in the barns and garden shed

1.2 Phase II Investigation Scope of Work

Based on the information contained in the Terrasearch Phase I ESA, LFR developed a soil sampling and analysis work plan (LFR 2000a). The scope of work presented in the work plan included advancing four soil borings to depths of 15 feet bgs and collecting six additional surface soil samples.

During LFR's investigation, however, on November 27, 2000, Mr. Chris Haight, the owner and current resident of the property, identified the location of a former underground storage tank ("the presumed former UST") to LFR staff. The presumed former UST was not identified by the Terrasearch Phase I ESA. Because elevated PID readings and a hydrocarbon odor were detected in the boring near the presumed former UST, an additional soil boring was advanced in the assumed downgradient direction from the one near the presumed former UST. Both of these borings were also increased in depth, to approximately 27 feet bgs, to enable collection of grab groundwater samples.

2.0 FIELD WORK

After appropriate pre-field preparations, a Geoprobe® rig was used to advance three soil borings to a depth of approximately 15 feet below ground surface (bgs) and two soil borings to the depth of the first water-yielding interval, approximately 27 feet bgs. Soil samples were collected from each boring, and two grab groundwater samples were collected from the deeper borings. Eight shallow soil samples were also collected using a hand auger. Details regarding these activities are presented below.

2.1 Preparation for Field Work

Before field work began, LFR obtained a permit for soil borings from the Alameda County Flood Control and Water Conservation District. LFR also notified Underground Service Alert to identify public underground utilities and subcontracted with a private utility locator to locate underground utilities at the Site. Before field work, LFR also prepared a site-specific Health and Safety Plan (HSP: LFR 2000b).

2.2 Advancement of Borings and Collection of Soil Samples

Vironix, of Hayward, California, under the observation of a LFR geologist, advanced five soil borings (SB-1 through SB-5)at the Site using a Geoprobe rig. Boring locations (Figure 3) were selected as follows:

- SB-1 was advanced at a location adjacent to the presumed former UST, approximately 15 feet north of SB-2.
- SB-2 and SB-4 were advanced near the carport and wool barn, respectively, at locations adjacent to the two former ASTs.
- SB-4 was advanced in the hay barn, where oil-stained bricks had been observed.
- SB-5 was advanced at a location approximately 50 feet southwest of the location of the presumed former UST.

Soil borings SB-1 and SB-5 were advanced to the first encountered groundwater, at approximately 27 feet bgs. The remaining soil borings (SB-2 through SB-4) were drilled to a depth of 15 feet. Four soil samples were collected for potential laboratory analysis from each of the five borings at depths of approximately 1.5, 5, 10, and 15 feet bgs. The shallowest soil sample from each boring was submitted for analysis, and the remaining samples were submitted on a hold basis pending the shallow sample results. Samples were also collected for lithologic description from each boring and lithologically logged, using the Unified Soil Classification System. The log samples were also examined for visible indications of petroleum hydrocarbons.

Eight shallow soil samples (HA-1 through HA-8; Figure 3) were also collected for analysis at a depth of approximately 1 foot bgs, using a hand auger. HA-1 and HA-2

were collected in the wool barn. HA-3 though HA-6 were collected in the cow pastures. HA-7 was collected inside the carport, where stained soil and car batteries were observed. HA-8 was collected adjacent to the small garden shed, where containers of herbicides were observed.

Silt and clay were the predominant soil types encountered at the Site. A medium- to coarse-sand stringer, approximately 2 inches thick, was encountered at approximately 25 feet bgs in the two deeper soil borings (SB-1 and BS-5).

As soil samples were collected from the borings and hand auger locations, a field photoionization detector (PID) was used to assess the presence of petroleum hydrocarbons and volatile organic compounds (VOCs) in collected soil samples. A hydrocarbon odor and elevated PID readings were encountered in soil borings SB-1, SB-2, and SB-5 at depths greater than 10 feet.

2.3 Groundwater Sample Collection

After soil lithology was recorded and soil samples were collected, soil borings SB-1, SB-5 were converted into temporary groundwater sampling locations (Figure 3). A temporary casing of threaded 1-inch-diameter polyvinyl chloride (PVC) was introduced into each of the two borings, with approximately 10 feet of 0.010-inch slotted well screen across the groundwater table in the borings. Groundwater samples were pumped directly from each boring, using a peristaltic pump and clean tygon tubing, into clean laboratory-supplied 40-milliliter vials and 1-liter clear plastic and amber-colored glass bottles. Sample containers were labeled and placed into a chilled cooler for transportation to the analytical laboratory following strict chain of custody protocols. After sample collection, the temporary casing was removed from each boring and the borings were backfilled with neat cement, in accordance with county requirements.

3.0 LABORATORY ANALYSIS AND RESULTS

Soil and groundwater samples were submitted to Curtis & Tompkins of Berkeley, California, a state-certified analytical laboratory. All fifteen soil samples were analyzed for arsenic and lead. In addition, ten soil samples collected from areas potentially affected by total petroleum hydrocarbons (TPH) were analyzed for TPH as diesel (TPHd), as gasoline (TPHg), and as motor oil (TPHmo), and for VOCs. Eleven soil samples collected from the pastures and near potential storage areas were analyzed for pesticides, and four soil samples collected near potential storage areas were analyzed for herbicides. Both of the groundwater samples were analyzed for arsenic, lead, organic lead, TPHd, TPHg, TPHmo, and VOCs. All analyses were performed in accordance with U.S. Environmental Protection Agency (U.S. EPA) methods, as summarized in Table 1, below.

TABLE 1: SUMMARY OF ANALYSES

EPA METHOD	NO. OF SOIL SAMPLES	NO. OF WATER SAMPLES	ANALYTES
8015M	10	2	TPHg (purgeable hydrocarbons as gasoline)
8015M	10	2	TPHd (extractable hydrocarbons as diesel)
8015M	10	2	TPMmo (extractable hydrocarbons as motor oil)
8260B	10	2	VOCs (complete VOCs, including benzene, toluene, ethylbenzene, and total xylenes [BTEX])
6010B	15	2	Arsenic, lead
DOHS LUFT	0	2	Organic lead
8081	11	2	Pesticides
8151	4	0	Herbicides

Analytical laboratory certificates for soil and groundwater sample analysis are presented in Appendix A.

3.1 Soil Sample Results

Hydrocarbons. TPHd and TPHmo were detected in soil samples at concentrations as high as 59 parts per million (ppm) . Table 2, below, summarizes TPH concentrations detected in soil samples. BTEX was not detected above laboratory detection limits.

Table 2: Summary of Soil Analytical Results for Hydrocarbons (ppm)

LOCATION	SAMPLE DEPTH (feet bgs)	TPHg	TPHd	TPHmo
SB-1	1.5	< 1	**1.2**	< 1
SB-2	1.5	< 1	**2.2**	**22**
SB-3	1.5	< 1	< 1	< 1
SB-4	1.5	< 1	< 1	< 1
SB-5	1.5	< 1	< 1	**9.5**
HA-1	1.0	< 1	**17**	**47**
HA-2	1.0	< 1	**7**	**55**
HA-7	0.5	< 1	**19**	**59**

Note: < = not detected above laboratory reporting limit

Metals. Arsenic was detected in soil samples at concentrations ranging from 0.75 ppm (HA-7-1.5) to 4.0 ppm (HA-5-1.5). Lead concentrations in soil samples ranged from 5.9 ppm (HA-4-1.5) to 30 ppm (SB-2-2).

VOCs. VOCs were not detected above the laboratory detection limit in soil samples.

Pesticides and Herbicides. Lindane (reported as Gamma-BHC) and 4,4-DDT were detected in the soil sample collected from sample HA-8-0.5 at 0.046 ppm and 0.0057 ppm, respectively. Pesticides were not detected above the laboratory detection limits in other soil samples. Herbicides were not detected above the laboratory detection limit in any soil samples.

3.2 Groundwater Sample Results

Hydrocarbons. TPHg, TPHd, and hydrocarbon constituents were detected in both groundwater samples, as summarized in Table 3, below.

Table 3: Summary of Groundwater Analytical Results for Hydrocarbons (parts per billion [ppb])

LOCATION	TPHg	TPHd	TPHm	Benzene	Toluene	Ethelbenzene	Total Xylenes
SB-1	**18,000**	**13,000 (Y)**	<1,500	**71**	**3.5**	**250**	**481**
SB-5	**240**	**220 (Y)**	<300	**3.3**	<0.5	<0.5	<0.5

Note: < = not detected above laboratory reporting limit; Y = chromatograph does not match diesel standard. Additional hydrocarbon constituents detected in groundwater samples SB-1 and SB-5 include isopropylbenzene, propylbenzene, 1,2,3-trimethylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, para-isopropyl, n-butylbenzene, and naphtalene.

Chlorinated VOCs. 1,2-dichloroethane (1,2-DCA) was detected in the groundwater sample collected from boring SB-5 at 5.5 ppb.

Metals. Lead was detected in groundwater sample SB-1 at a concentration of 4.2 ppb, but not in the sample from boring SB-2 (3 ppb laboratory detection limit). Arsenic was not detected in either groundwater sample (5 ppb laboratory detection limit).

Organic Lead. Organic lead was not detected in either sample (300 ppb laboratory detection limit).

3.3 Discussion of Soil and Groundwater Results

Soil. TPHd and TPHmo were detected in shallow soil samples at locations SB-1, SB-2, HA-1, HA-2, and HA-7 (Figure 3). One of these soil borings is located near the presumed former UST (SB-1), one is located near the carport AST (SB-2), and three are from oil-stained areas (HA-1 and HA-2, from the barn, and HA-7, from the carport). The highest concentration of TPH detected (59 ppm TPHmo, in HA-7-0.5) is below its Regional Water Quality Control Board (RWQCB) Tier 1 Risk-Based Screening Level (RBSL; 100 ppm; RWQCB 2000). Benzene and other hydrocarbon constituents, which are considered more toxic than TPH, were not detected in any soil samples. Elevated PID readings and hydrocarbon odors indicate that hydrocarbon-

affected soil is also present at depths of greater than 10 feet bgs in soil borings SB-1, SB-2, and SB-5.

Metals detected in samples were within generally acceptable background concentrations for Bay Area soils. Isolated concentrations of the pesticides Lindane and DDT were detected in sample HA-8, collected near the pesticide storage shed, at levels below its U.S. EPA preliminary remediation goal (PRG).

Groundwater. Relatively high concentrations of TPHg were detected in the groundwater sample collected from boring SB-1, located near the presumed former UST. Benzene concentrations in this sample are above the U.S. EPA Maximum Contaminant Levels (MCLs) for drinking water (5 ppb). In the sample from SB-5, located approximately 50 feet from SB-1 and presumed to be downgradient from SB-1 with respect to the direction of groundwater flow, benzene was also detected at concentration slightly above its RWQCB RBSL. However, the results from these two samples are insufficient to characterize the extent or quantity of benzene in site groundwater. 1,2-DCA was also detected at 5.5 ppb in the sample from SB-5, above its U.S. EPA MCL (5 ppb). 1,2-DCA was reportedly used in the past as a gasoline additive.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The analytical results indicate that groundwater at the Site is affected with residual chemicals at concentrations above regulatory action levels, including U.S. EPA PRGs and MCLs. It is likely that the presumed former UST and any associated piping was or is the source of the chemicals detected in groundwater. Because the removal of the UST is unconfirmed, it is possible that it is still present and may be a continuing source of contaminants to site soil and groundwater. Therefore, LFR recommends that further site investigations be performed to evaluate the lateral extent of hydrocarbons in groundwater and to locate its source.

Specifically, LFR recommends the following:

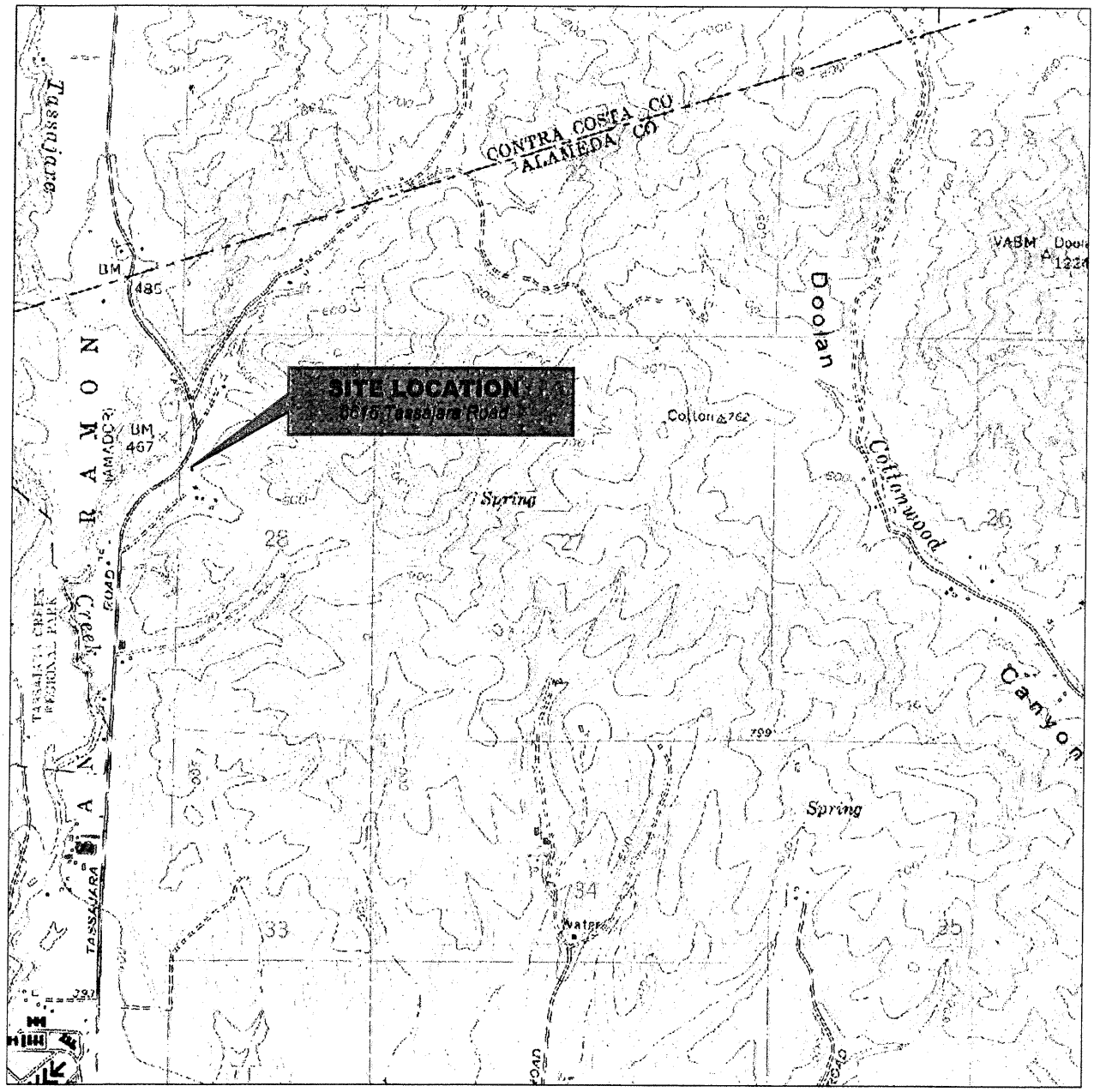
- a geophysical investigation, to determine if the UST has been removed and define the extent of the former UST pit
- a soil investigation, to expose the UST (if it is still present) and evaluate the extent of any residual affected soils below and in the vicinity of the presumed former UST
- additional groundwater investigation, to define the extent of affected groundwater and the direction of groundwater flow

5.0 REFERENCES

LFR Levine·Fricke (LFR) 2000a. Work Order for a Limited Phase II Soil Investigation at 6615 Tassajara Road, Pleasanton, California. August 8.

———. 2000b. Health and Safety Plan for Investigation Activities at 6615 Tassajara Road, Pleasanton, California. November 23.

RWQCB 2000. Application of Risk-Based Screening Levels and Decision Making to Sites with Impacted Soil and Groundwater. Interim-Final, August.



MAP SOURCE: U.S.G.S Topographic Map, 7.5' Quadrangle, Livermore, California, 1981.

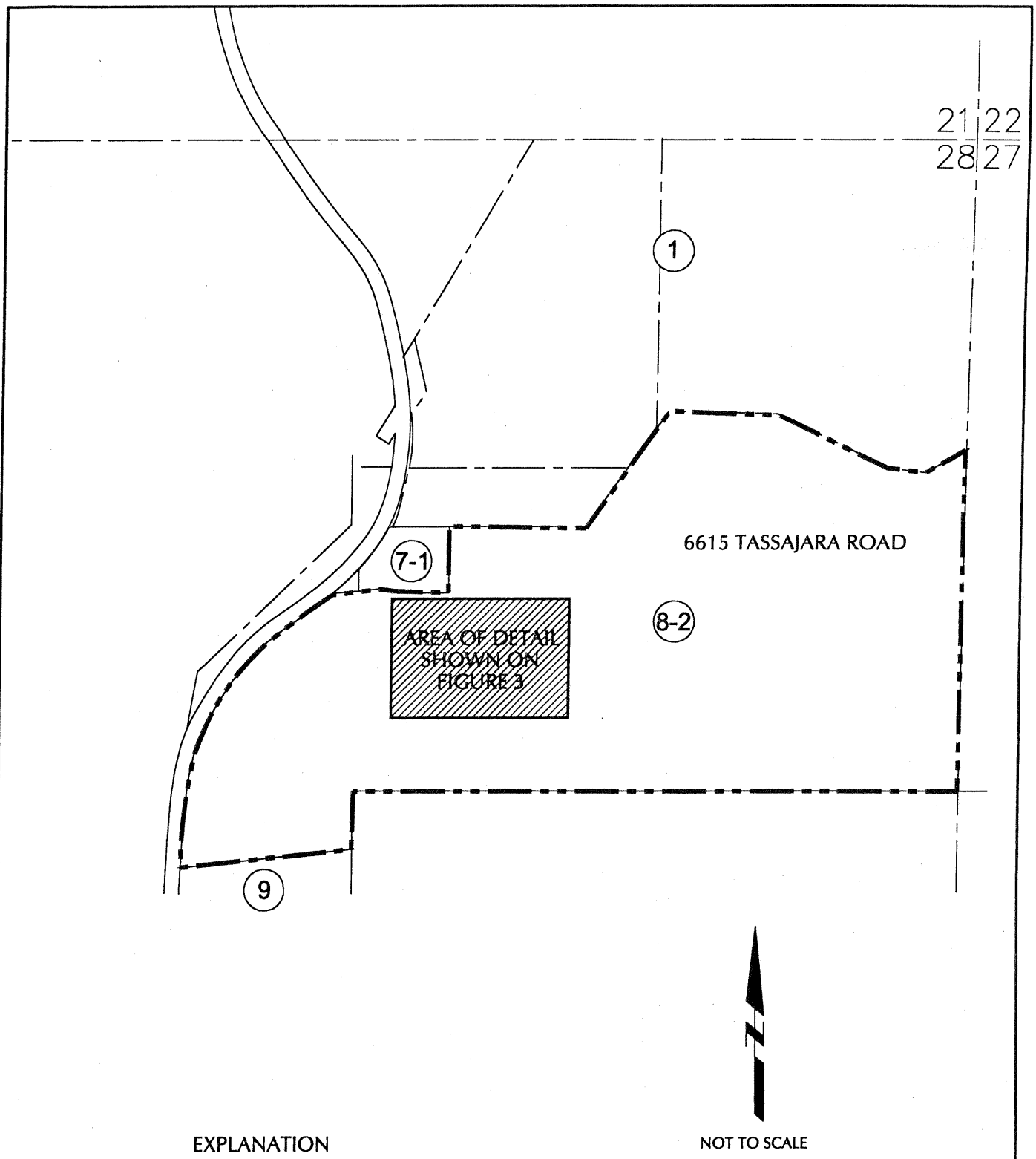
0 1,000 2,000 4,000 feet

6615 Tassajara Road
Pleasanton, CA
Site Vicinity

Summerhill Homes

LFR LEVINE•FRICKE

Figure 1



Parcel Map
6615 Tassajara Road
Pleasanton, CA

Summerhill Homes

SOURCE: Alameda County Assessor's Map 985.

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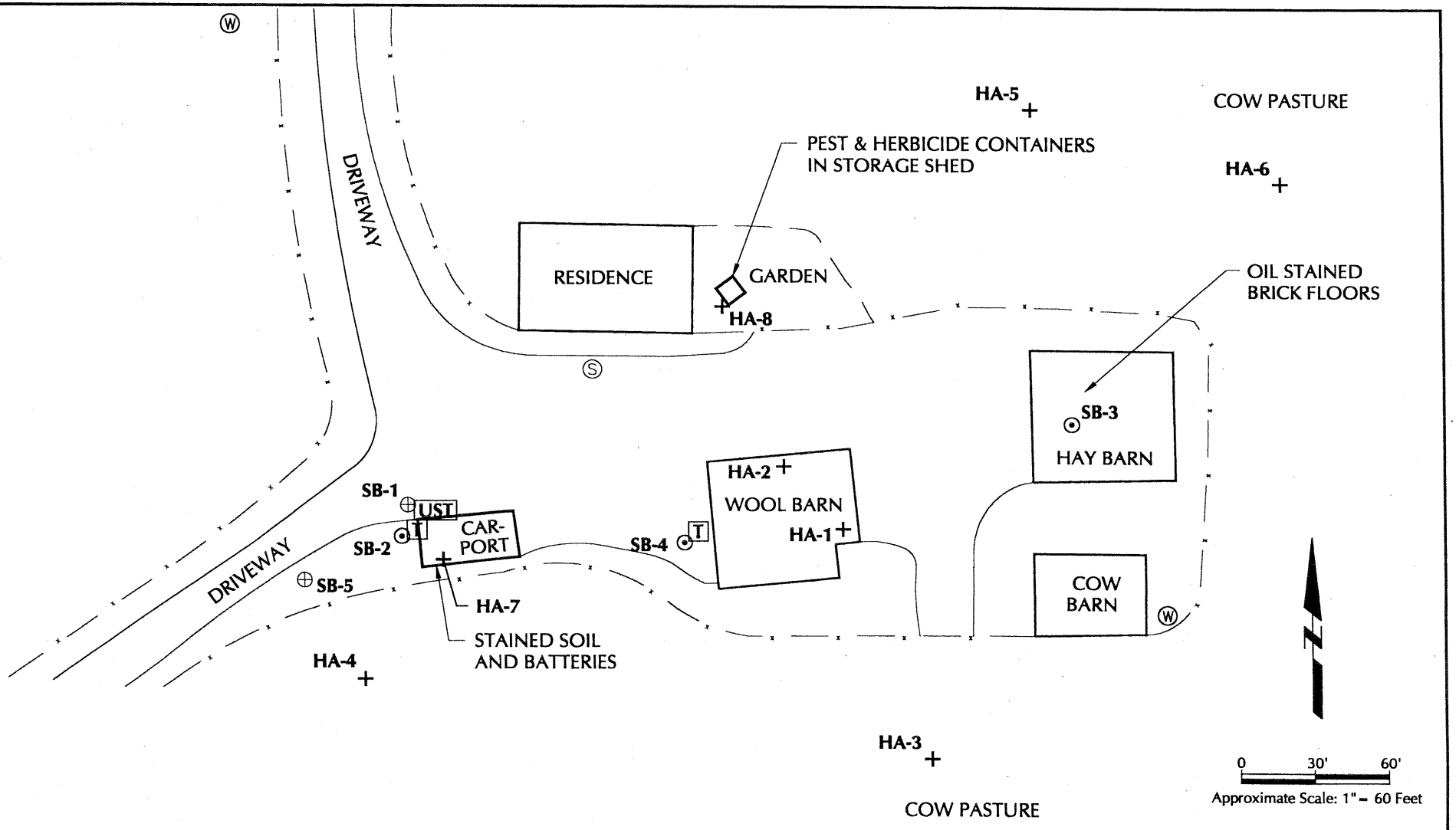
Figure 2

1/15/2001 12:28 P.M. Drawing File(.DWG): C:\7941\7941-03A.DWG



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1/15/2001 2:19 P.M. -

Site Features and Location of Soil and Groundwater Samples

Summerhill Homes

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Figure 3

APPENDIX A

Laboratory Reports

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

LFR Levine Fricke
1900 Powell Street
12th Floor
Emeryville, CA 94608

Date: 05-JAN-01
Lab Job Number: 148898
Project ID: 7941.00.001
Location: Summer Hill

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

Curtis & Tompkins, Ltd.

Laboratory Number: **148898**
Client: **LFR-Levine-Fricke**
Project Name: **Summer Hill**
Project #: **7941.00.001**
COC#: **7817, 7818, 7816**

Sample Date: **11/27/00**
Receipt Date: **11/28/00**

CASE NARRATIVE

This hardcopy data package contains sample results and batch QC results for two water and twenty-eight soil samples received from the above referenced project. The samples were received cold and intact, however, sample SB-5-23 was labelled as SB-5-24 on the sample containers. The sample container ID was used for login purposes. Fifteen samples were placed on hold upon receipt. On December 08, 2000, Lucas Goldstein requested that Organic Lead be analyzed on samples SB-1-27 (CT# 148898-001) and SB-5-24 (CT# 148898-002). All internal analysis results were faxed to Lucas Goldstein on December 6, 2000; the subcontracted analyses were faxed on December 8, 12, and 15, 2000.

Total Volatile Hydrocarbons: The trifluorotoluene surrogate recovery for sample SB-1-27 (148898-001) was outside acceptance limits due to coelution of the surrogate peak with hydrocarbon peaks. The associated bromofluorobenzene surrogate recovery was acceptable. No other analytical problems were encountered.

Total Extractable Hydrocarbons: No analytical problems were encountered.

VOCs (EPA 8260) : 1,2,3-Trichlorobenzene was detected in the water method blanks and methylene chloride was detected in the soil method blank. The compounds were not detected in the associated samples. No other analytical problems were encountered.

Metals: No analytical problems were encountered.

Organochlorine Pesticides: Calscience Environmental Laboratories, Inc. in Garden Grove, California performed the analysis. Please see the Calscience case narrative.

Chlorinated Herbicides: Environmental Micro Analysis, Inc. in Woodland, California performed the analysis. Please see the EMA case narrative.

Organic Lead: Calscience Environmental Laboratories, Inc. in Garden Grove, California performed the analysis. Please see the Calscience case narrative.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 7941.00.001	Project Location: Pleasanton, CA	Date: 10/27/00	Serial No. 7817
Project Name: Summer Hill	Field Logbook No.: —	Sample Event Name: + filter & fix	
Sampler (Signature):			Samplers: LXG

SAMPLE INFORMATION (Print Clearly) — ANALYSES

SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	Arsenic and Lead	Pesticides (8081)	Herbicides (8151)	VOCs (8220)	TPHg, TPHd, TPHmo (8015)	HOLD	RUSH	REMARKS
SB-1-27	10/27/00	930	148898-1	11	water	X	hold		X	X			Standard TAT
SB-5-23		1530	-2	11	↓	X	hold		X	X			Results to
SB-1-2		830	-3	1	soil	X	X		X	X			Lucas Goldstein
SB-1-5		835	-4	1		hold					X		
SB-1-10		840	-5	1		hold	hold		hold	hold	X		
SB-1-15		845	-6	1		hold					X		
SB-2-2		1000	-7	1		X	X		X	X			
SB-2-5		1005	-8	1		hold					X		
SB-2-10		1010	-9	1		hold					X		
SB-2-15		1020	-10	1		hold					X		
SB-3-2		1100	-11	1		X	X	X	X	X			
SB-3-5		1105	-12	1		hold					X		
SB-3-10		1110	-13	1	↓	hold					X		

RELINQUISHED BY: (Signature)	DATE 11/27/00	TIME 17:30	RECEIVED BY: (Signature)	DATE 11/28/00	TIME 9:20 AM
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector:
LEVINE•FRICKE•RECON
1900 Powell Street, 12th Floor
Emeryville, California 94608-1827
(510) 652-4500

Analytical Laboratory: C+T

Shipping Copy (White) Lab Copy (Yellow) File Copy (Pink) Field Copy (Goldenrod)

9999\COCTEMP.CDR 042998

rec'd

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 7941.00.001	Project Location: Pleasanton, CA	Date: 11/27/00	Serial No. 7818
Project Name: SummerHill	Field Logbook No.:	Sample Event Name: —	
Sampler (Signature):			Samplers: LBG

SAMPLE INFORMATION (Print Clearly) — ANALYSES

SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	Arsenic and Lead	Pesticides (8081)	Herbicides (8151)	VOCs (8260)	TPH-g / TPH-d	TPHmo (8015)	HOLD	RUSH	REMARKS
SB-3-1.5	11/27/00	1115	148898-14	1	soil	hold	—					X		Standard TAT
SB-4-2		1200	-15	1		X	X		X	X				Results to
SB-4-5		1205	-16	1		hold	—					X		Lucas Goldstein
SB-4-10		1210	-17	1		hold	—					X		
SB-4-15		1215	-18	1		hold	—					X		
SB-5-2		1510	-19	1		X	hold		hold	X				
SB-5-5		1515	-20	1		hold	—					X		
SB-5-10		1520	-21	1		hold	—					X		
SB-5-15		1525	-22	1		hold	—					X		
HA-1-1.5		1230	-23	1		X	X	X	X	X				
HA-2-0.5		1300	-24	1		X	X	X	X	X				
HA-3-1.5		1330	-25	1		X	X							
HA-4-1.5		1400	-26	1		X	X							

	DATE	TIME		DATE	TIME
RELINQUISHED BY: (Signature)	11/27/00	17:30	RECEIVED BY: (Signature)	11/28/00	9:20 am
RELINQUISHED BY: (Signature)			RECEIVED BY: (Signature)		
RELINQUISHED BY: (Signature)			RECEIVED BY: (Signature)		
METHOD OF SHIPMENT:			LAB COMMENTS:		

Sample Collector:
LEVINE•FRICKE•RECON
1900 Powell Street, 12th Floor
Emeryville, California 94608-1827
(510) 652-4500

Analytical Laboratory: C+T

Shipping Copy (White) Lab Copy (Yellow) File Copy (Pink) Field Copy (Goldenrod)

rec'd cold

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CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 7941.00.001	Project Location: Pleasanton, CA	Date: 11/27/00	Serial No. 7816
Project Name: SummerHill	Field Logbook No.: —	Sample Event Name: —	
Sampler (Signature): [signature]			Samplers: LSL

SAMPLE INFORMATION (Print Clearly)

SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	ANALYSES: Arsenic and Lead	Pesticides (8081)	Herbicides (8151)	VOCs (8260)	TPHd TRH9 TPHmo (8015)	HOLD	RUSH	REMARKS
HA-5-1.5	11/27/00	1500	148898-27	1	soil	X	X						Standard TAT
HA-6-1.5		1505	-28	1		X	X						Results to
HA-7-1.5		1509	-29	1		X			X	X			Lucas Goldstein
HA-8-0.5		1430	-30	1		X	X	X					
					LSL								

RELINQUISHED BY: (Signature) [signature]	DATE 11/27/00	TIME 17:30	RECEIVED BY: (Signature) [signature]	DATE 11/28/00	TIME 9:20
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector:
LEVINE•FRICKE•RECON
1900 Powell Street, 12th Floor
Emeryville, California 94608-1827
(510) 652-4500

Analytical Laboratory: C + T

Shipping Copy (White) Lab Copy (Yellow) File Copy (Pink) Field Copy (Goldenrod)

rec'd cold

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SOP Volume: Client Services
Section: 1.1.2
Page: 1 of 1
Effective Date: 10-May-99
Revision: 1 Number 3 of 3
Filename: F:\QC\Forms\QC\Cooler.wpd

Curtis & Tompkins, Ltd.

COOLER RECEIPT CHECKLIST

Login#: 148898 Date Received: 11/28/00 Number of Coolers: 2
Client: LFR Project: Summer Hill

A. Preliminary Examination Phase
Date Opened: 11/28/00 By (print): S. Stanley (sign) S. Stanley

1. Did cooler come with a shipping slip (airbill, etc.)? ..... YES (NO)
   If YES, enter carrier name and airbill number: _____
2. Were custody seals on outside of cooler? ..... YES (NO)
   How many and where? _____ Seal date: _____ Seal name: _____
3. Were custody seals unbroken and intact at the date and time of arrival? ..... YES NO
4. Were custody papers dry and intact when received? ..... (YES) NO
5. Were custody papers filled out properly (ink, signed, etc.)? ..... (YES) NO
6. Did you sign the custody papers in the appropriate place? ..... (YES) NO
7. Was project identifiable from custody papers? ..... (YES) NO
   If YES, enter project name at the top of this form.
8. If required, was sufficient ice used? Samples should be 2-6 degrees C. ..... (YES) NO
   Type of ice: Blue Ice Temperature: Chilled

B. Login Phase
Date Logged In: 11/28/00 By (print): James Brountfield (sign) _____

1. Describe type of packing in cooler: _____
2. Did all bottles arrive unbroken? ..... (YES) NO
3. Were labels in good condition and complete (ID, date, time, signature, etc.)? ..... (YES) NO
4. Did bottle labels agree with custody papers? ..... YES (NO)
5. Were appropriate containers used for the tests indicated? ..... (YES) NO JB
6. Were correct preservatives added to samples? ..... (YES) NO WA
7. Was sufficient amount of sample sent for tests indicated? ..... (YES) NO
8. Were bubbles absent in VOA samples? If NO, list sample Ids below ..... (YES) NO
9. Was the client contacted concerning this sample delivery? ..... YES NO
   If YES, give details below.
   Who was called? _____ By whom? _____ Date: _____

Additional Comments:
Did not receive SB-S-23, received SB-S-24 w/ some sample date & time

CURTIS & TOMPKINS, LTD. BERKELEY LOGIN CHANGE FORM

Reason for change: X Client Request: By: Lucas Goddard Date/Time: 12/2/10 4:32 Initials: TD
_____ Login Review _____ Data Review

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel	Analysis	Duedate
148898-001		SB-1-27	H_2O	Add	CL	12/11
-002		SB-5-24	H_2O	Add	CL	

Curtis & Tompkins, Ltd.

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8015M
Matrix:	Water	Sampled:	11/27/00
Units:	ug/L	Received:	11/28/00

Field ID:	SB-1-27	Diln Fac:	2.000
Type:	SAMPLE	Batch#:	59944
Lab ID:	148898-001	Analyzed:	12/01/00

Analyte	Result	RL
Gasoline C7-C12	18,000	100

Surrogate	%REC	Limits
Trifluorotoluene (FID)	377 *	>LR b 59-135
Bromofluorobenzene (FID)	138	60-140

Field ID:	SB-5-24	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	59930
Lab ID:	148898-002	Analyzed:	12/01/00

Analyte	Result	RL
Gasoline C7-C12	240 Y	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	95	59-135
Bromofluorobenzene (FID)	110	60-140

Type:	BLANK	Batch#:	59930
Lab ID:	QC131557	Analyzed:	11/30/00
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	94	59-135
Bromofluorobenzene (FID)	99	60-140

Type:	BLANK	Batch#:	59944
Lab ID:	QC131612	Analyzed:	12/01/00
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	59-135
Bromofluorobenzene (FID)	96	60-140

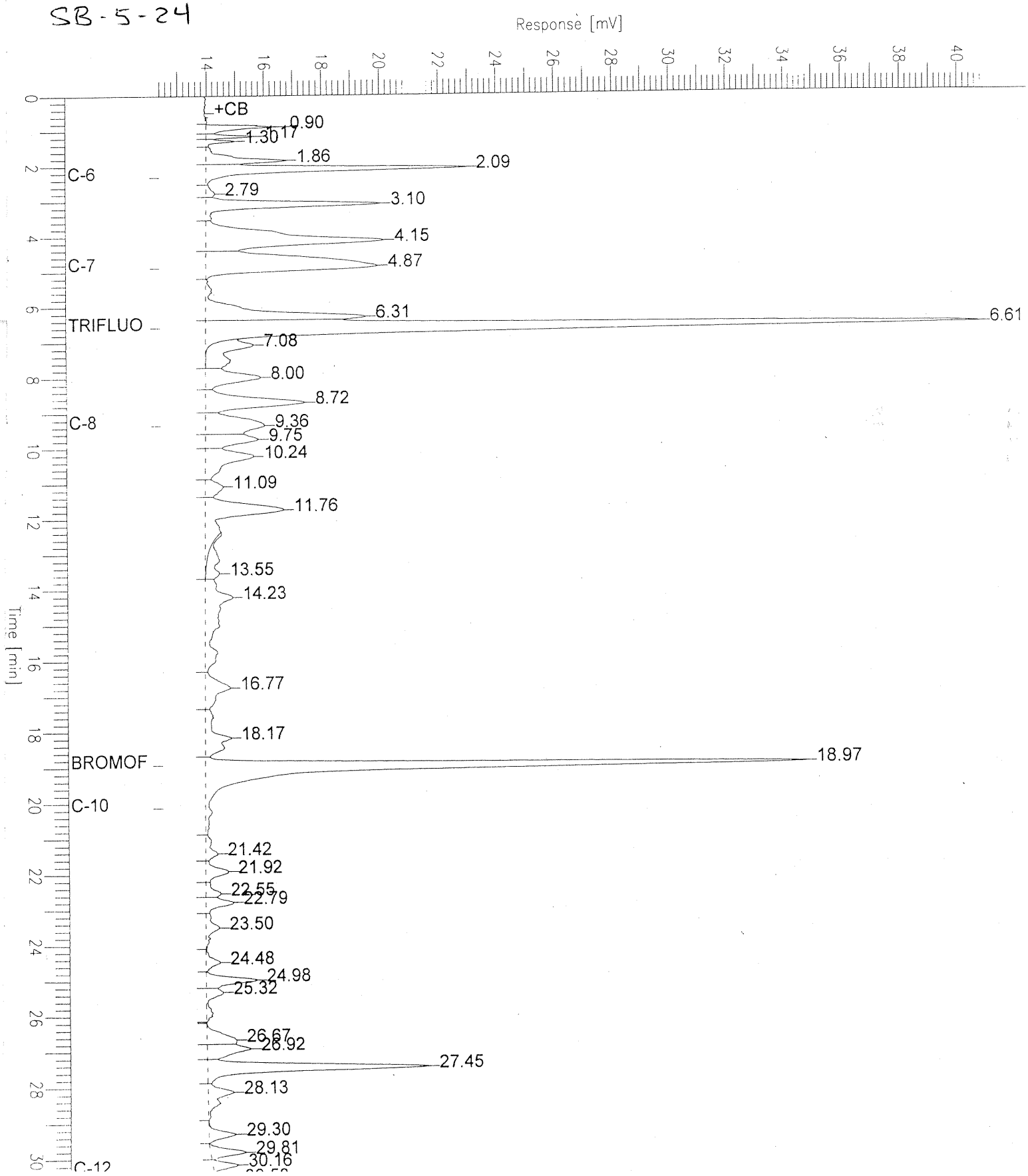
* = Value outside of QC limits; see narrative
Y = Sample exhibits fuel pattern which does not resemble standard
b = See narrative
ND = Not Detected
RL = Reporting Limit
>LR= Response exceeds instrument's linear range

Chromatogram

Sample Name : 148898-002,59930,TVH ONLY
FileName : G:\GC05\DATA\335G023.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 31.00 min
Scale Factor: 1.0 Plot Offset: 12 mV

Sample #: A1
Date : 12/1/00 10:49 AM
Time of Injection: 12/1/00 10:17 AM
Low Point : 12.40 mV High Point : 40.80 mV
Plot Scale: 28.4 mV

SB-5-24

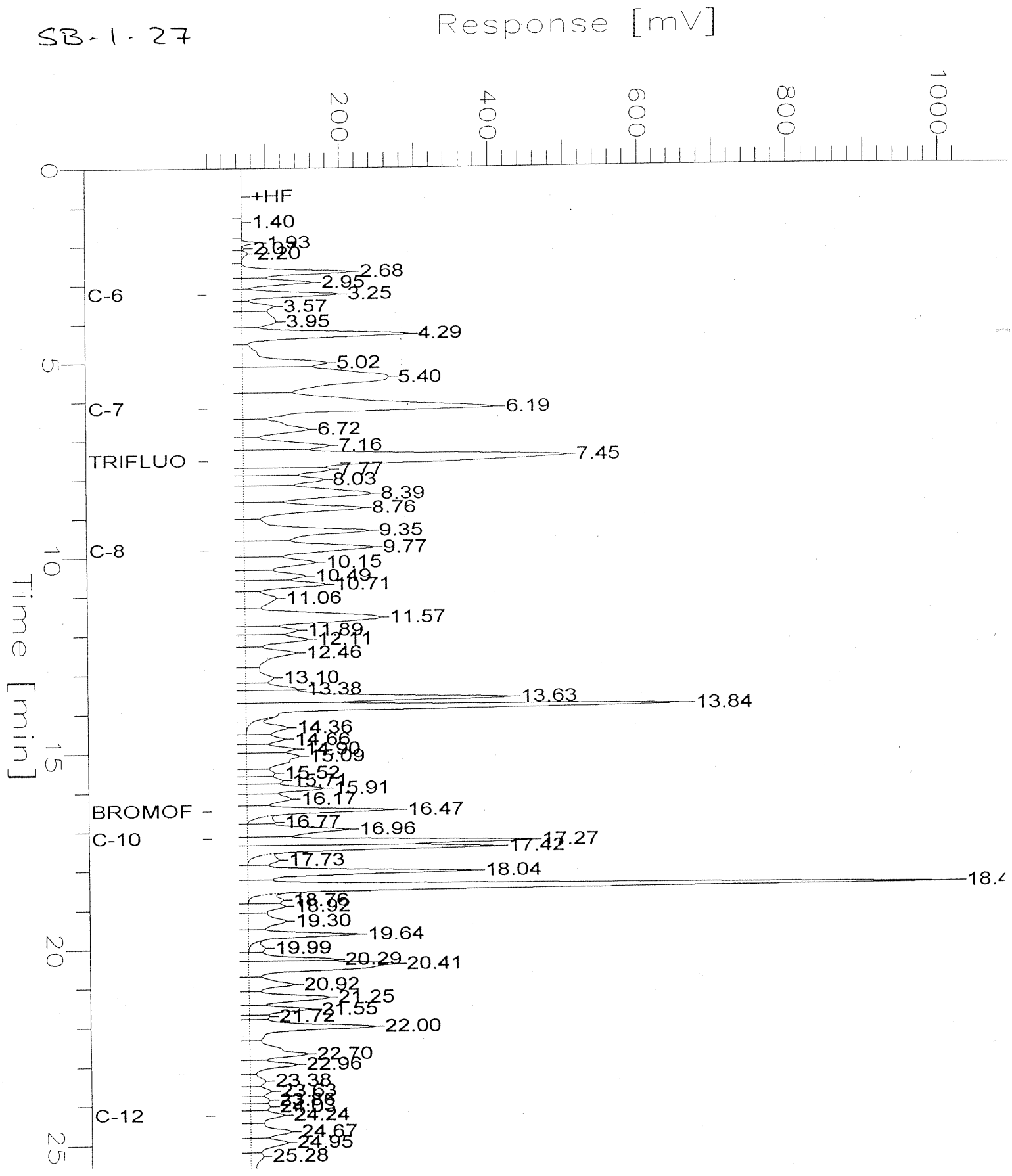


GC04 TVH 'J' Data File FID

Sample Name : 148898-001,59944,TVH ONLY
FileName : G:\GC04\DATA\336J014.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 19 mV

Sample #: C1 Page 1 of 1
Date : 12/4/00 10:23 AM
Time of Injection: 12/1/00 10:45 PM
Low Point : 19.05 mV High Point : 1023.10 mV
Plot Scale: 1004.1 mV

SB-1-27

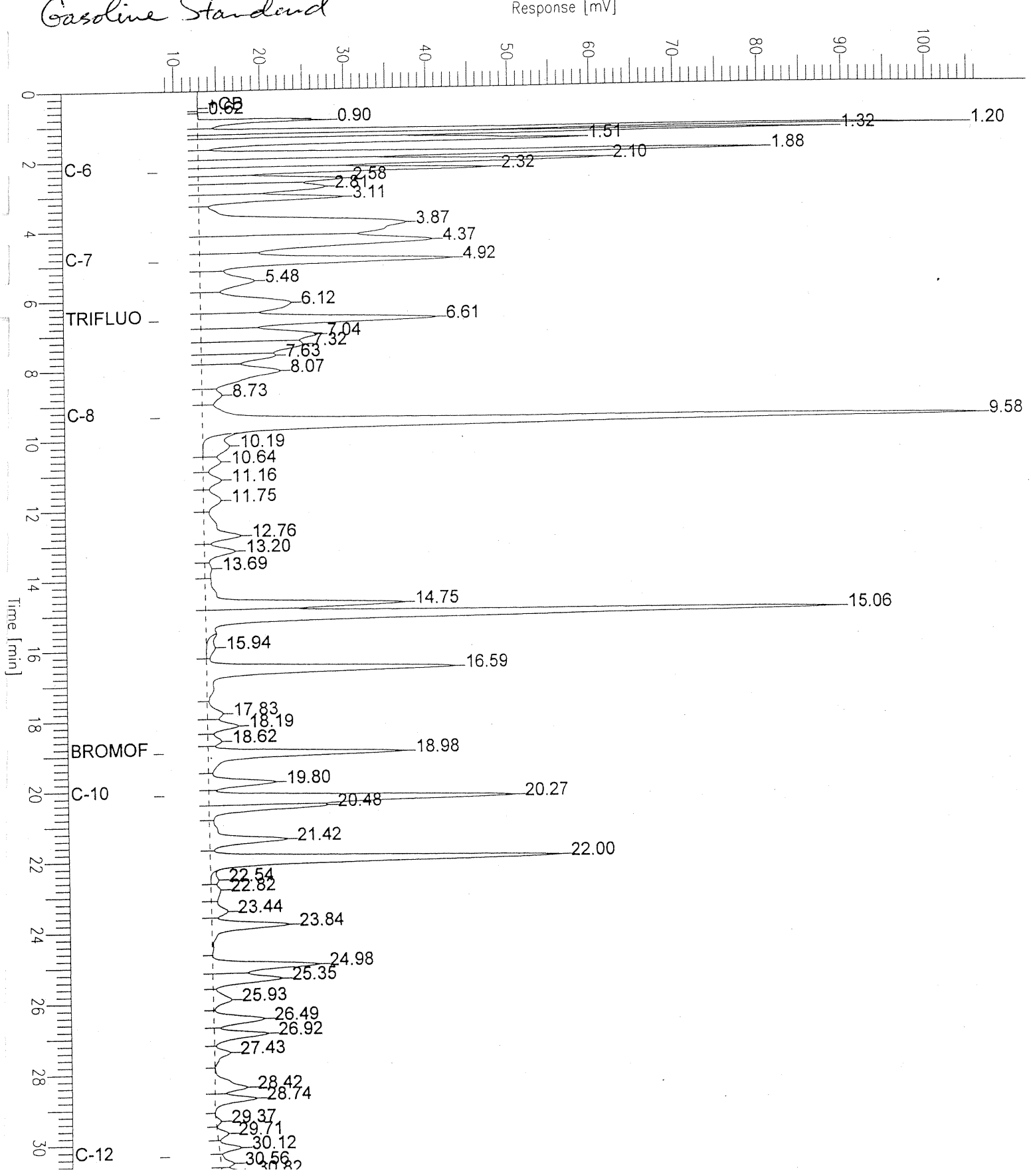


Chromatogram

ample Name : CCV/LCS,QC131558,59930,00WS0025,5/5000
ileName : G:\GC05\DATA\335G002.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 31.00 min
cale Factor: 1.0 Plot Offset: 8 mV

Sample #: GAS
Date : 11/30/00 08:21 PM
Time of Injection: 11/30/00 07:50 PM
Low Point : 8.10 mV High Point : 106.24 mV
Plot Scale: 98.1 mV

Gasoline Standard



Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8015M
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC131558	Batch#:	59930
Matrix:	Water	Analyzed:	11/30/00
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,986	99	73-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	59-135
Bromofluorobenzene (FID)	105	60-140

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8015M
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC131613	Batch#:	59944
Matrix:	Water	Analyzed:	12/01/00
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,018	101	73-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	106	59-135
Bromofluorobenzene (FID)	99	60-140

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8015M
Field ID:	ZZZZZZZZZZ	Batch#:	59930
MSS Lab ID:	148938-002	Sampled:	11/29/00
Matrix:	Water	Received:	11/30/00
Units:	ug/L	Analyzed:	12/01/00
Diln Fac:	1.000		

Type: MS Lab ID: QC131559

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<24.00	2,000	1,559	78	65-131

Surrogate	%REC	Limits
Trifluorotoluene (FID)	80	59-135
Bromofluorobenzene (FID)	89	60-140

Type: MSD Lab ID: QC131560

Analyte	Spiked	Result	%REC	Limits	RPD	Li
Gasoline C7-C12	2,000	1,500	75	65-131	4	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	81	59-135
Bromofluorobenzene (FID)	89	60-140

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8015M
Field ID:	ZZZZZZZZZZ	Batch#:	59944
MSS Lab ID:	148914-001	Sampled:	11/28/00
Matrix:	Water	Received:	11/29/00
Units:	ug/L	Analyzed:	12/02/00
Diln Fac:	1.000		

Type: MS Lab ID: QC131614

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<21.00	2,000	1,923	96	65-131

Surrogate	%REC	Limits
Trifluorotoluene (FID)	106	59-135
Bromofluorobenzene (FID)	100	60-140

Type: MSD Lab ID: QC131615

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,940	97	65-131	1	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	105	59-135
Bromofluorobenzene (FID)	99	60-140

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8015M
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Sampled:	11/27/00
Basis:	wet	Received:	11/28/00

Field ID: SB-1-2
Type: SAMPLE
Lab ID: 148898-003

Batch#: 59917
Analyzed: 11/30/00

Analyte	Result	RL
Gasoline C7-C12	ND	0.97

Surrogate	%REC	Limits
Trifluorotoluene (FID)	94	62-138
Bromofluorobenzene (FID)	112	46-150

Field ID: SB-2-2
Type: SAMPLE
Lab ID: 148898-007

Batch#: 59917
Analyzed: 11/30/00

Analyte	Result	RL
Gasoline C7-C12	ND	0.92

Surrogate	%REC	Limits
Trifluorotoluene (FID)	94	62-138
Bromofluorobenzene (FID)	102	46-150

Field ID: SB-3-2
Type: SAMPLE
Lab ID: 148898-011

Batch#: 59917
Analyzed: 12/01/00

Analyte	Result	RL
Gasoline C7-C12	ND	0.92

Surrogate	%REC	Limits
Trifluorotoluene (FID)	98	62-138
Bromofluorobenzene (FID)	100	46-150

Field ID: SB-4-2
Type: SAMPLE
Lab ID: 148898-015

Batch#: 59917
Analyzed: 12/01/00

Analyte	Result	RL
Gasoline C7-C12	ND	0.98

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	62-138
Bromofluorobenzene (FID)	100	46-150

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8015M
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Sampled:	11/27/00
Basis:	wet	Received:	11/28/00

Field ID: SB-5-2
Type: SAMPLE
Lab ID: 148898-019

Batch#: 59917
Analyzed: 12/01/00

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	93	62-138
Bromofluorobenzene (FID)	99	46-150

Field ID: HA-1-1.5
Type: SAMPLE
Lab ID: 148898-023

Batch#: 59917
Analyzed: 12/01/00

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	62-138
Bromofluorobenzene (FID)	100	46-150

Field ID: HA-2-0.5
Type: SAMPLE
Lab ID: 148898-024

Batch#: 59937
Analyzed: 12/01/00

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	119	62-138
Bromofluorobenzene (FID)	120	46-150

Field ID: HA-7-1.5
Type: SAMPLE
Lab ID: 148898-029

Batch#: 59917
Analyzed: 12/01/00

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	94	62-138
Bromofluorobenzene (FID)	106	46-150

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8015M
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Sampled:	11/27/00
Basis:	wet	Received:	11/28/00

Type:	BLANK	Batch#:	59917
Lab ID:	QC131503	Analyzed:	11/30/00

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	95	62-138
Bromofluorobenzene (FID)	97	46-150

Type:	BLANK	Batch#:	59937
Lab ID:	QC131588	Analyzed:	12/01/00

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	114	62-138
Bromofluorobenzene (FID)	112	46-150

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8015M
Type:	LCS	Basis:	wet
Lab ID:	QC131504	Diln Fac:	1.000
Matrix:	Soil	Batch#:	59917
Units:	mg/Kg	Analyzed:	11/30/00

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.165	92	75-123

Surrogate	%REC	Limits
Trifluorotoluene (FID)	105	62-138
Bromofluorobenzene (FID)	97	46-150

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8015M
Type:	LCS	Basis:	wet
Lab ID:	QC131586	Diln Fac:	1.000
Matrix:	Soil	Batch#:	59937
Units:	mg/Kg	Analyzed:	12/01/00

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.769	98	75-123

Surrogate	%REC	Limits
Trifluorotoluene (FID)	134	62-138
Bromofluorobenzene (FID)	112	46-150

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8015M
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	148914-006	Batch#:	59917
Matrix:	Soil	Sampled:	11/28/00
Units:	mg/Kg	Received:	11/29/00
Basis:	wet	Analyzed:	11/30/00

Type: MS Lab ID: QC131505

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<0.1000	9.174	7.904	86	41-132

Surrogate	%REC	Limits
Trifluorotoluene (FID)	110	62-138
Bromofluorobenzene (FID)	105	46-150

Type: MSD Lab ID: QC131506

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	9.709	8.322	86	41-132	1	25

Surrogate	%REC	Limits
Trifluorotoluene (FID)	108	62-138
Bromofluorobenzene (FID)	106	46-150

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8015M
Field ID:	HA-2-0.5	Diln Fac:	1.000
MSS Lab ID:	148898-024	Batch#:	59937
Matrix:	Soil	Sampled:	11/27/00
Units:	mg/Kg	Received:	11/28/00
Basis:	wet	Analyzed:	12/01/00

Type: MS Lab ID: QC131589

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<0.1400	10.87	7.909	73	41-132

Surrogate	%REC	Limits
Trifluorotoluene (FID)	141 *	62-138
Bromofluorobenzene (FID)	123	46-150

Type: MSD Lab ID: QC131590

Analyte	Spiked	Result	%REC	Limits	RPD	Li
Gasoline C7-C12	10.87	7.375	68	41-132	7	25

Surrogate	%REC	Limits
Trifluorotoluene (FID)	138	62-138
Bromofluorobenzene (FID)	117	46-150

* = Value outside of QC limits; see narrative
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 3520
Project#:	7941.00.001	Analysis:	EPA 8015M
Matrix:	Water	Sampled:	11/27/00
Units:	ug/L	Received:	11/28/00
Batch#:	59895	Prepared:	11/29/00

Field ID:	SB-1-27	Diln Fac:	5.000
Type:	SAMPLE	Analyzed:	12/01/00
Lab ID:	148898-001		

Analyte	Result	RL
Diesel C10-C24	13,000 L Y	250
Motor Oil C24-C36	ND	1,500

Surrogate	%REC	Limits
Hexacosane	79	44-121

Field ID:	SB-5-24	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	11/30/00
Lab ID:	148898-002		

Analyte	Result	RL
Diesel C10-C24	220 H L Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	92	44-121

Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC131411	Analyzed:	11/30/00

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	91	44-121

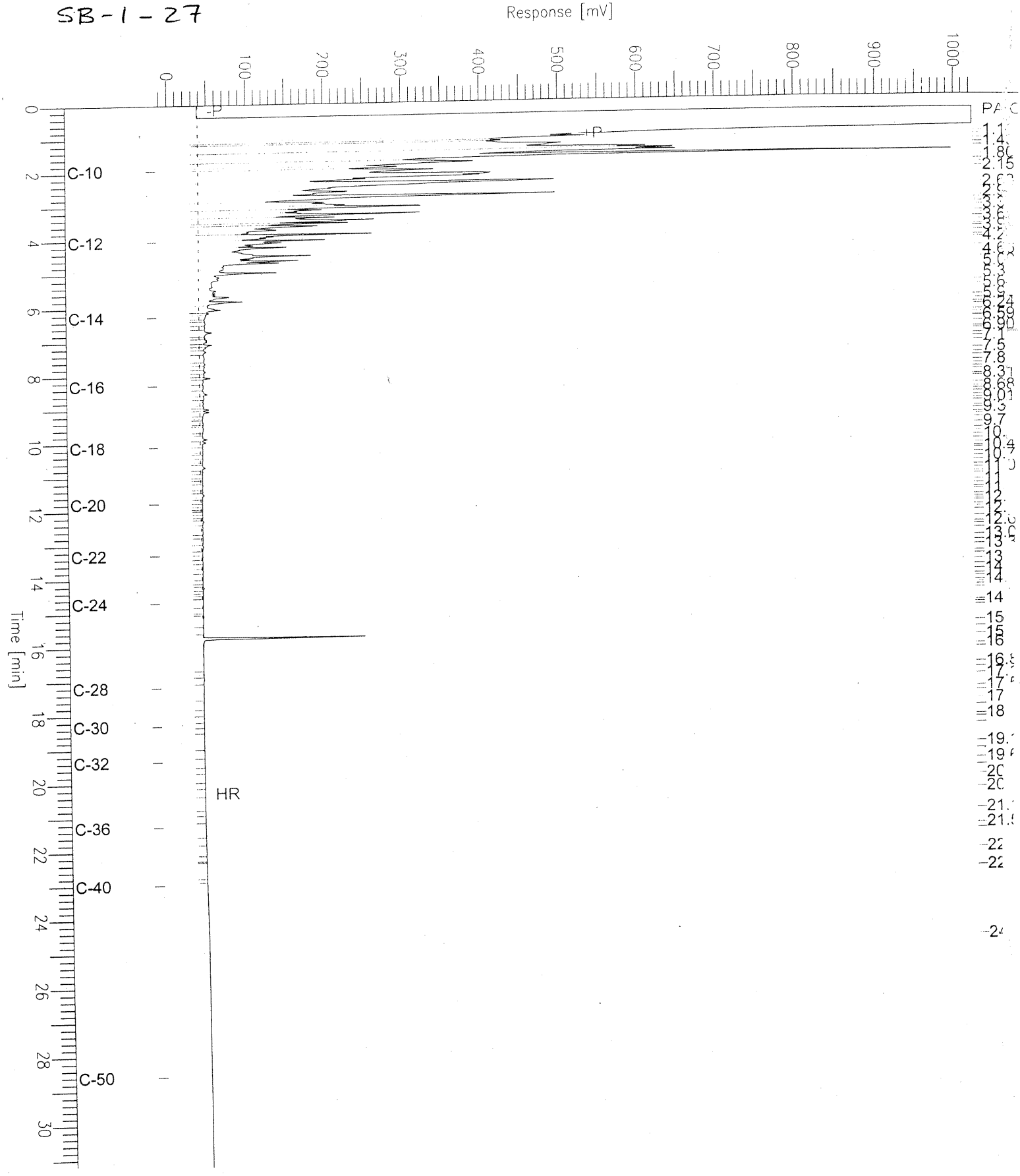
H = Heavier hydrocarbons contributed to the quantitation
L = Lighter hydrocarbons contributed to the quantitation
Y = Sample exhibits fuel pattern which does not resemble standard
ND = Not Detected
RL = Reporting Limit

Chromatogram

Sample Name : 148898-001,59895
FileName : G:\GC13\CHB\333B080.RAW
Method : BTEH331.MTH
Start Time : 0.00 min
End Time : 31.90 min
Scale Factor: 0.0
Plot Offset: -14 mV

Sample #: 59895
Date : 12/01/2000 09:31 AM
Time of Injection: 12/01/2000 05:22 AM
Low Point : -13.58 mV
High Point : 1024.00 mV
Plot Scale: 1037.6 mV

SB-1-27

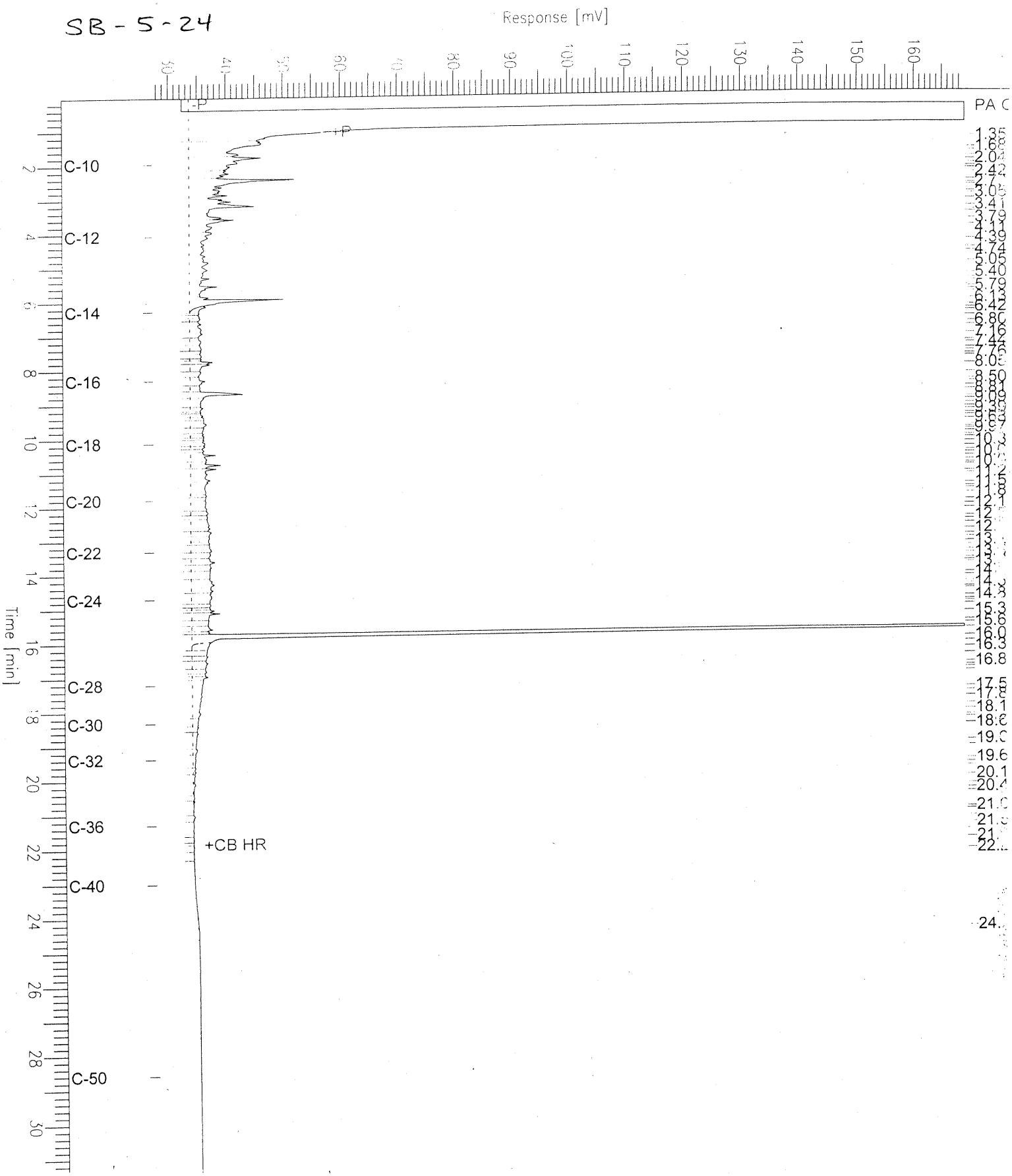


Chromatogram

Sample Name : 148898-002,59895
FileName : G:\GC13\CHB\333B060.RAW
Method : BTEH331.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 27 mV

Sample #: 59895 Page 1 of 1
Date : 11/30/2000 04:56 PM
Time of Injection: 11/30/2000 04:19 PM
Low Point : 27.32 mV High Point : 168.95 mV
Plot Scale: 141.6 mV

SB-5-24



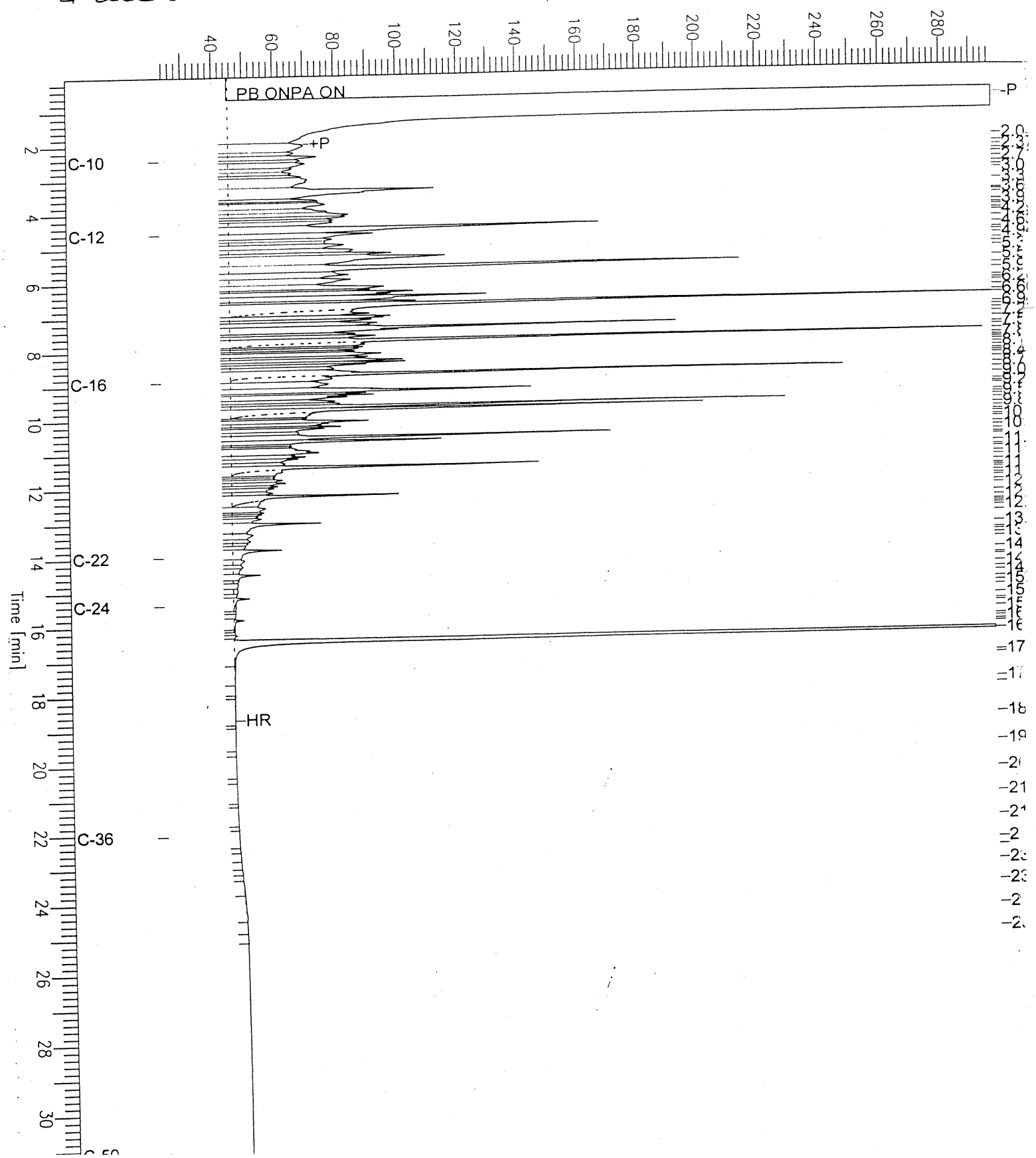
Chromatogram

Sample Name : ccv,00ws0033,dsl
FileName : G:\GC11\CHA\338A002.RAW
Method : ATEH318.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 31.91 min
Plot Offset: 23 mV

Sample #: 500mg/L
Date : 12/3/00 04:18 PM
Time of Injection: 12/3/00 03:00 PM
Low Point : 23.20 mV
High Point : 297.48 mV
Plot Scale: 274.3 mV

Diesel Standard

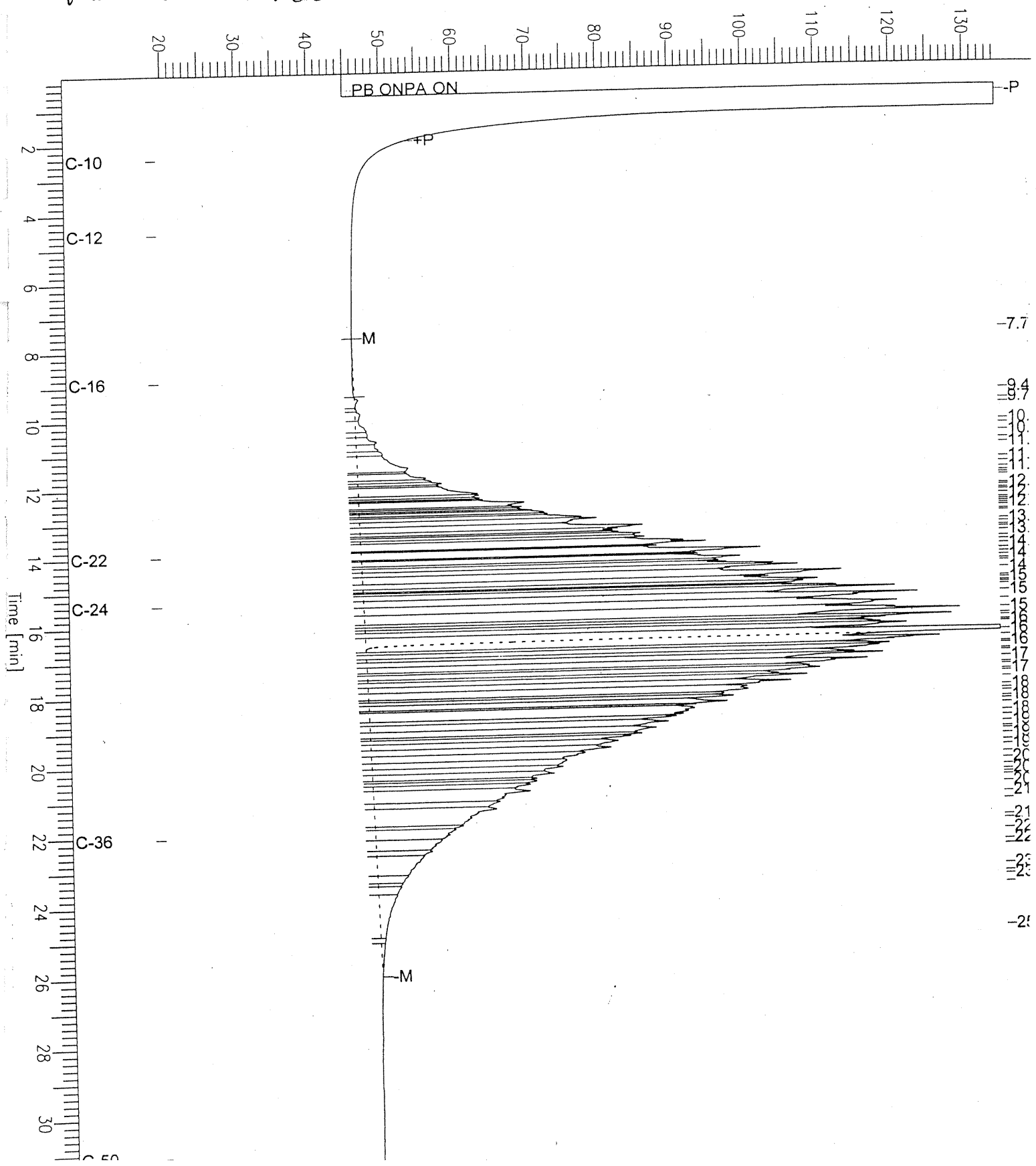


Chromatogram

mple Name : ccv,00ws9957,mo
leName : G:\GC11\CHA\338A003.RAW
Method : ATEH318.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 19 mV

Sample #: 500mg/L
Date : 12/3/00 04:18 PM
Time of Injection: 12/3/00 03:40 PM
Low Point : 19.38 mV High Point : 134.31 mV
Plot Scale: 114.9 mV

Motor Oil Standard



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 3520
Project#:	7941.00.001	Analysis:	EPA 8015M
Matrix:	Water	Batch#:	59895
Units:	ug/L	Prepared:	11/29/00
Diln Fac:	1.000	Analyzed:	12/01/00

Type: BS Lab ID: QC131412

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,339	1,506	64	45-110

Surrogate	%REC	Limits
Hexacosane	92	44-121

Type: BSD Lab ID: QC131413

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,339	1,450	62	45-110	4	22

Surrogate	%REC	Limits
Hexacosane	90	44-121

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	7941.00.001	Analysis:	EPA 8015M
Matrix:	Soil	Sampled:	11/27/00
Units:	mg/Kg	Received:	11/28/00
Basis:	wet	Prepared:	11/30/00
Batch#:	59920		

Field ID: SB-1-2
Type: SAMPLE
Lab ID: 148898-003

Diln Fac: 1.000
Analyzed: 12/01/00
Cleanup Method:

Analyte	Result	RL
Diesel C10-C24	1.2 H Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	96	60-136

Field ID: SB-2-2
Type: SAMPLE
Lab ID: 148898-007

Diln Fac: 1.000
Analyzed: 12/01/00
Cleanup Method:

Analyte	Result	RL
Diesel C10-C24	2.2 H Y	1.0
Motor Oil C24-C36	22	5.0

Surrogate	%REC	Limits
Hexacosane	97	60-136

Field ID: SB-3-2
Type: SAMPLE
Lab ID: 148898-011

Diln Fac: 1.000
Analyzed: 12/01/00
Cleanup Method:

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

Surrogate	%REC	Limits
Hexacosane	98	60-136

Field ID: SB-4-2
Type: SAMPLE
Lab ID: 148898-015

Diln Fac: 1.000
Analyzed: 12/01/00
Cleanup Method:

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

Surrogate	%REC	Limits
Hexacosane	101	60-136

H = Heavier hydrocarbons contributed to the quantitation
L = Lighter hydrocarbons contributed to the quantitation
Y = Sample exhibits fuel pattern which does not resemble standard
ND = Not Detected
RL = Reporting Limit

Chromatogram

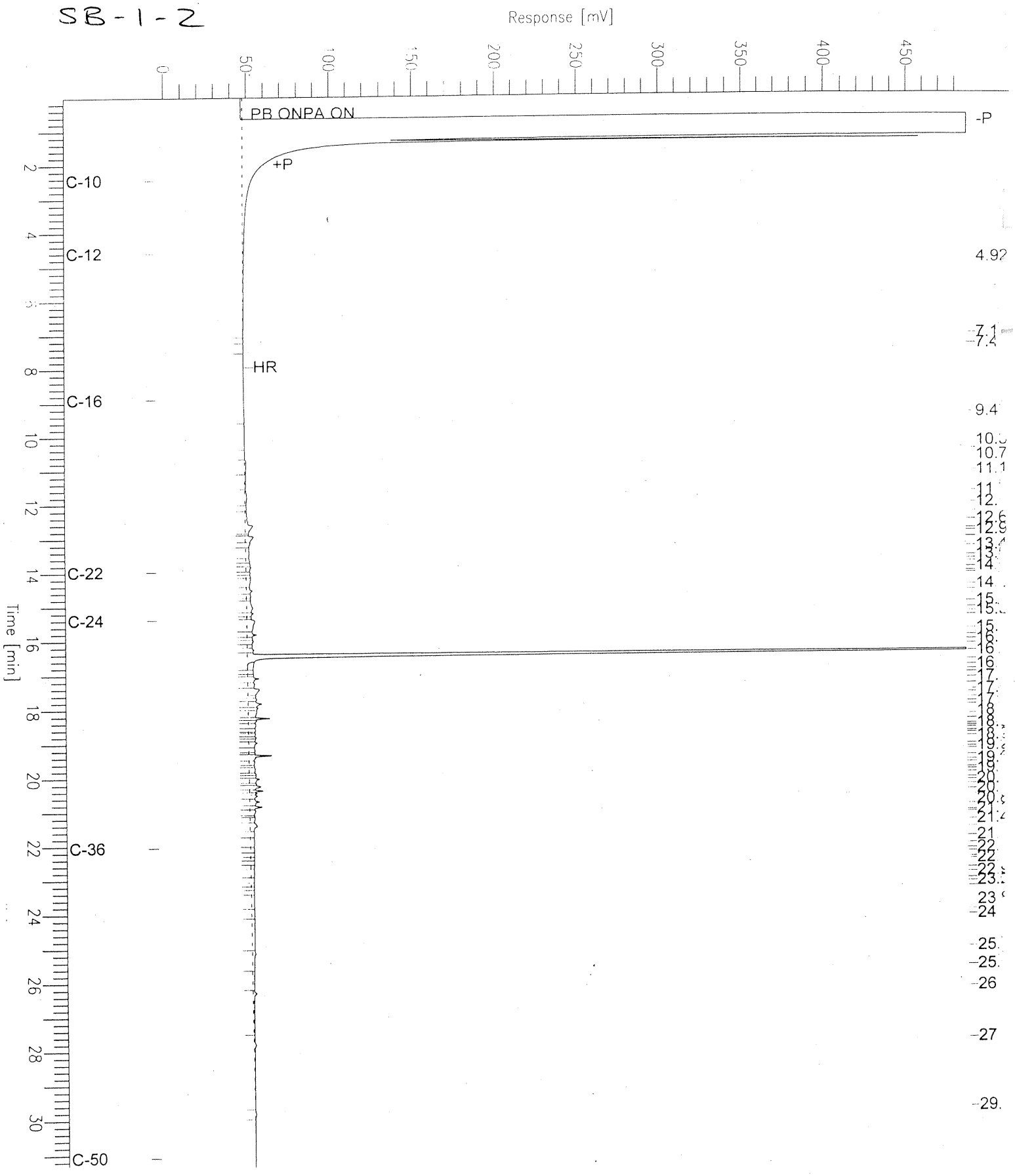
Sample Name : 148898-003,59920
FileName : G:\GC11\CHA\333A087.RAW
Method : ATEH318.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 31.91 min
Plot Offset: -5 mV

Sample #: 59920
Date : 12/3/00 02:32 PM
Time of Injection: 12/1/00 09:19 PM
Low Point : -4.74 mV
Plot Scale: 492.2 mV

High Point : 487.51 mV

SB-1-2

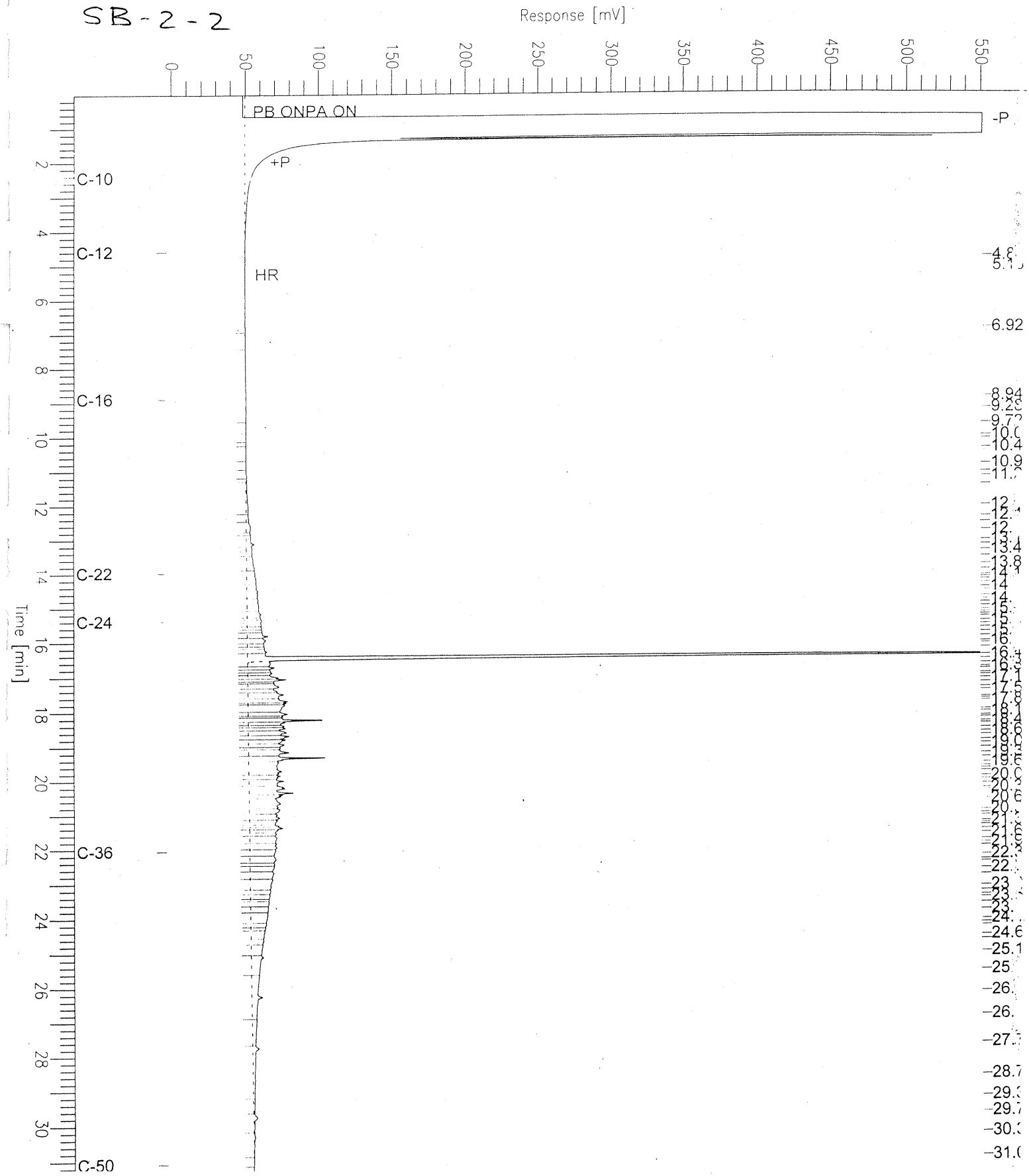


Chromatogram

Sample Name : 148898-007,59920
FileName : G:\GC11\CHA\333A088.RAW
Method : ATEH318.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: -3 mV

Sample #: 59920
Date : 12/3/00 02:32 PM
Time of Injection: 12/1/00 09:59 PM
Low Point : -3.03 mV High Point : 551.05 mV
Plot Scale: 554.1 mV

SB-2-2



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	7941.00.001	Analysis:	EPA 8015M
Matrix:	Soil	Sampled:	11/27/00
Units:	mg/Kg	Received:	11/28/00
Basis:	wet	Prepared:	11/30/00
Batch#:	59920		

Field ID: SB-5-2
Type: SAMPLE
Lab ID: 148898-019

Diln Fac: 1.000
Analyzed: 12/01/00
Cleanup Method:

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	9.5	5.0

Surrogate	%REC	Limits
Hexacosane	100	60-136

Field ID: HA-1-1.5
Type: SAMPLE
Lab ID: 148898-023

Diln Fac: 2.000
Analyzed: 12/03/00
Cleanup Method:

Analyte	Result	RL
Diesel C10-C24	17 H Y	2.0
Motor Oil C24-C36	47 L	10

Surrogate	%REC	Limits
Hexacosane	106	60-136

Field ID: HA-2-0.5
Type: SAMPLE
Lab ID: 148898-024

Diln Fac: 1.000
Analyzed: 12/02/00
Cleanup Method:

Analyte	Result	RL
Diesel C10-C24	7.0 H Y	1.0
Motor Oil C24-C36	55	5.0

Surrogate	%REC	Limits
Hexacosane	92	60-136

Field ID: HA-7-1.5
Type: SAMPLE
Lab ID: 148898-029

Diln Fac: 1.000
Analyzed: 12/02/00
Cleanup Method:

Analyte	Result	RL
Diesel C10-C24	19 H Y	1.0
Motor Oil C24-C36	59 L	5.0

Surrogate	%REC	Limits
Hexacosane	105	60-136

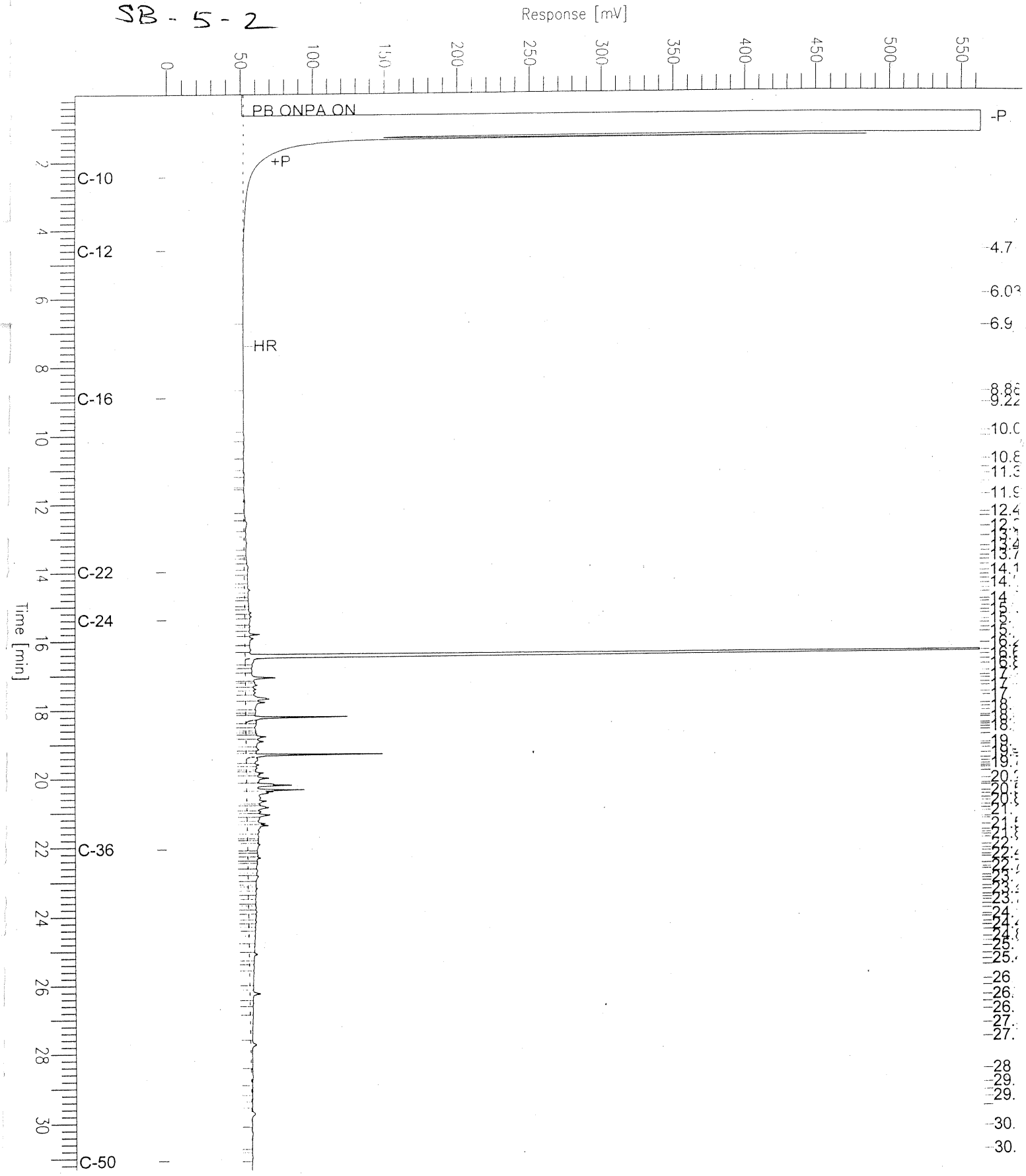
H = Heavier hydrocarbons contributed to the quantitation
L = Lighter hydrocarbons contributed to the quantitation
Y = Sample exhibits fuel pattern which does not resemble standard
ND = Not Detected
RL = Reporting Limit

Chromatogram

Sample Name : 148898-019,59920
FileName : G:\GC11\CHA\333A091.RAW
Method : ATEH318.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: -0 mV

Sample #: 59920
Date : 12/3/00 02:34 PM
Time of Injection: 12/1/00 11:59 PM
Low Point : -0.23 mV High Point : 563.47 mV
Plot Scale: 563.7 mV

SB-5-2

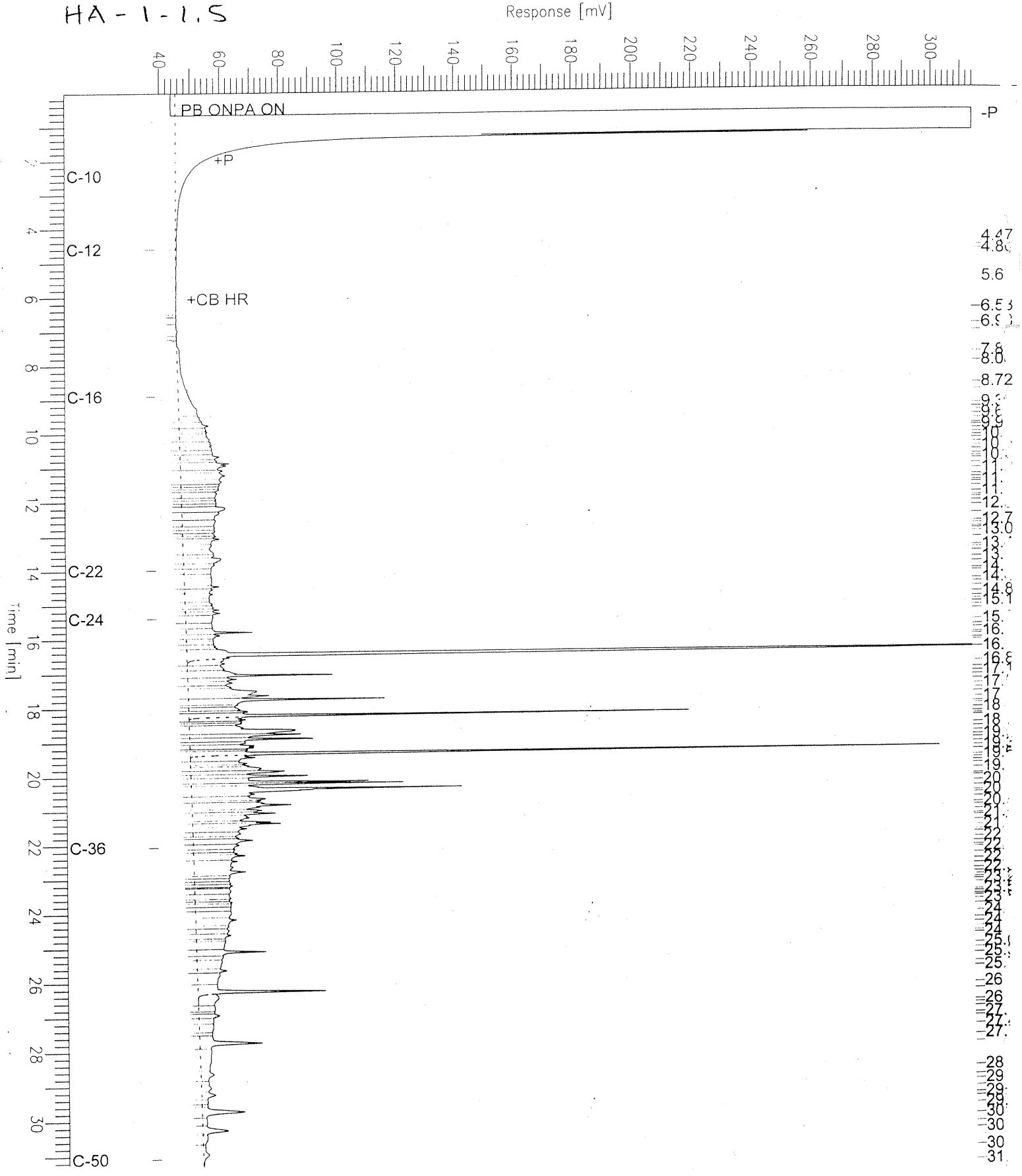


Chromatogram

Sample Name : 148898-023,59920
FileName : G:\GC11\CHA\338A006.RAW
Method : ATEH318.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 38 mV

Sample #: 59920
Date : 12/4/00 08:17 AM
Time of Injection: 12/3/00 06:43 PM
Low Point : 38.50 mV High Point : 314.09 mV
Plot Scale: 275.6 mV

HA-1-1.5

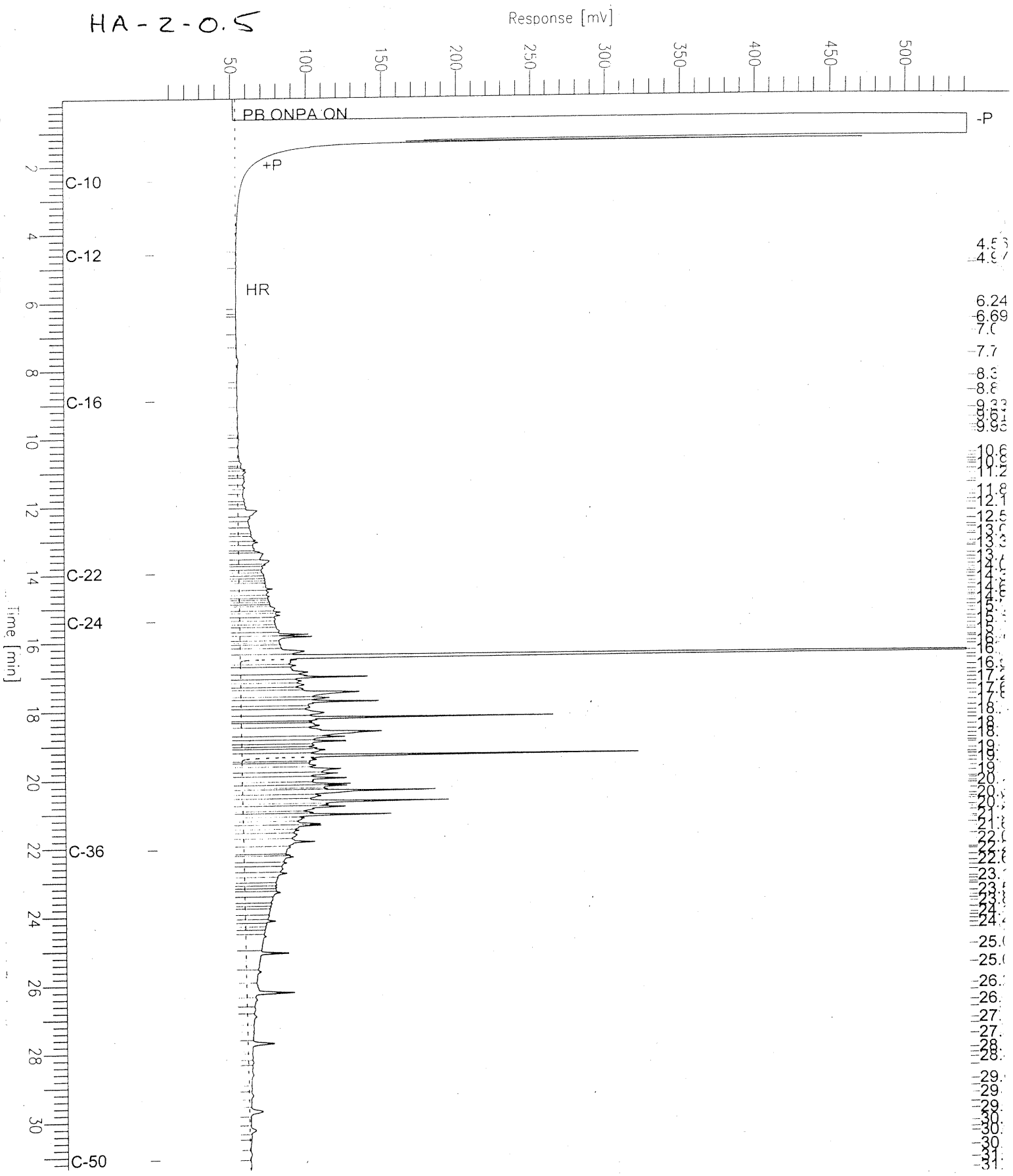


Chromatogram

Sample Name : 148898-024,59920
FileName : G:\GC11\CHA\333A093.RAW
Method : ATEH318.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 1 mV

Sample #: 59920
Date : 12/3/00 02:36 PM
Time of Injection: 12/2/00 01:20 AM
Low Point : 0.61 mV High Point : 541.77 mV
Plot Scale: 541.2 mV

HA-2-0.5

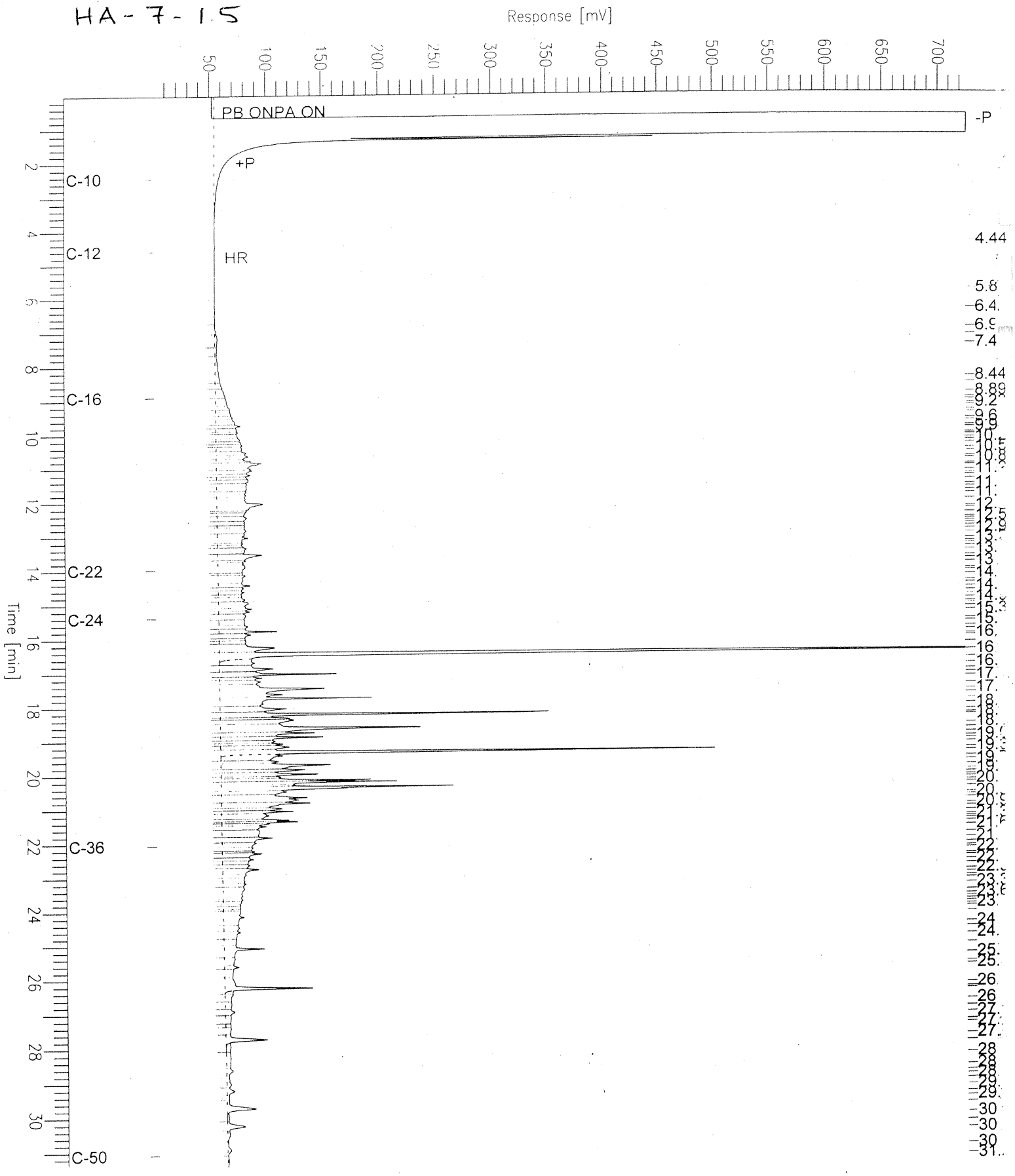


Chromatogram

Sample Name : 148898-029,59920
FileName : G:\GC11\CHA\333A094.RAW
Method : ATEH318.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 1 mV

Sample #: 59920 Page 1 of 1
Date : 12/3/00 02:37 PM
Time of Injection: 12/2/00 02:00 AM
Low Point : 1.12 mV High Point : 725.92 mV
Plot Scale: 724.8 mV

HA-7-15



Chromatogram

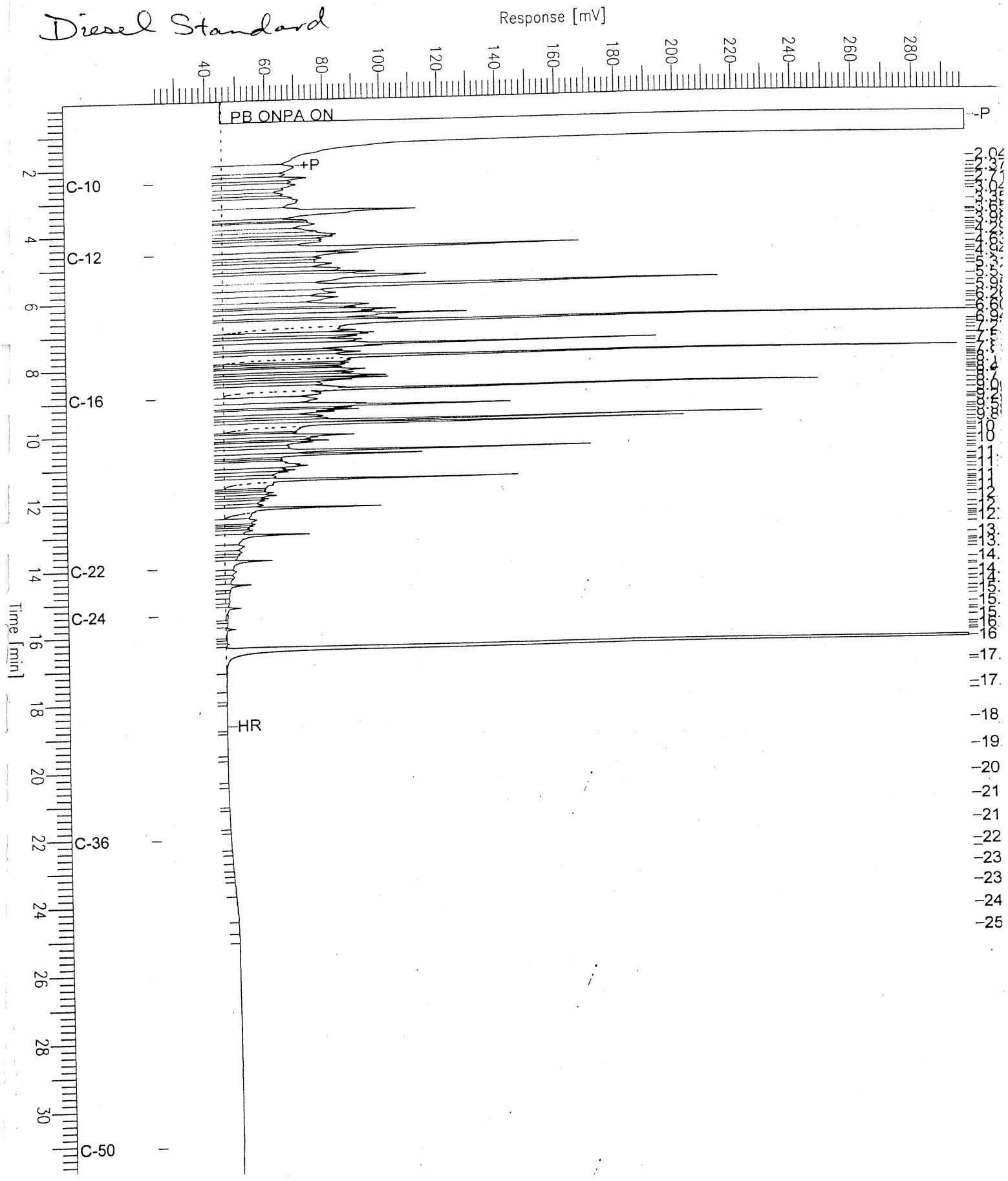
Sample Name : ccv,00ws0033,dsl
leName : G:\GC11\CHA\338A002.RAW
thod : ATEH318.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 31.91 min
Plot Offset: 23 mV

Sample #: 500mg/L
Date : 12/3/00 04:18 PM
Time of Injection: 12/3/00 03:00 PM
Low Point : 23.20 mV
Plot Scale: 274.3 mV

High Point : 297.48 mV

Diesel Standard



Chromatogram

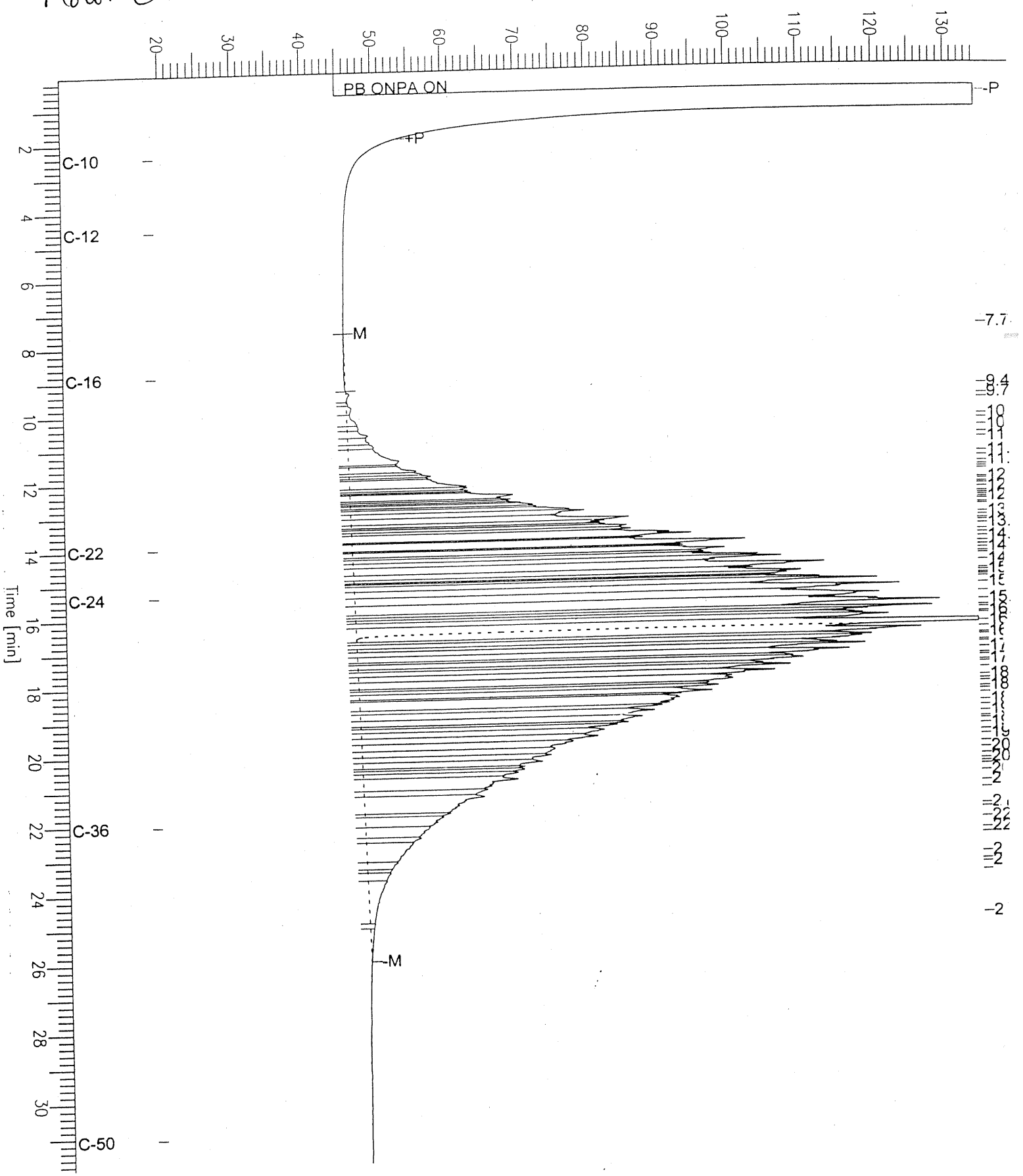
Sample Name : ccv,00ws9957,mo
FileName : G:\GC11\CHA\338A003.RAW
Method : ATEH318.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 31.91 min
Plot Offset: 19 mV

Sample #: 500mg/L
Date : 12/3/00 04:18 PM
Time of Injection: 12/3/00 03:40 PM
Low Point : 19.38 mV
Plot Scale: 114.9 mV

High Point : 134.31 mV

Motor Oil Standard



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	7941.00.001	Analysis:	EPA 8015M
Matrix:	Soil	Sampled:	11/27/00
Units:	mg/Kg	Received:	11/28/00
Basis:	wet	Prepared:	11/30/00
Batch#:	59920		

Type:	BLANK	Analyzed:	11/30/00
Lab ID:	QC131515	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	97	60-136

H = Heavier hydrocarbons contributed to the quantitation
L = Lighter hydrocarbons contributed to the quantitation
Y = Sample exhibits fuel pattern which does not resemble standard
ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	148898	Prep:	SHAKER TABLE
Client:	LFR Levine Fricke	Cleanup Method:	EPA 3630c
Project#:	7941.00.001	Analysis:	EPA 8015M
Location:	Summer Hill		
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC131516	Batch#:	59920
Matrix:	Soil	Prepared:	11/30/00
Units:	mg/Kg	Analyzed:	11/30/00
Basis:	wet		

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	46.92	33.25	71	67-121

Surrogate	%REC	Limits
Hexacosane	82	60-136

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	7941.00.001	Analysis:	EPA 8015M
Field ID:	HA-2-0.5	Batch#:	59920
MSS Lab ID:	148898-024	Sampled:	11/27/00
Matrix:	Soil	Received:	11/28/00
Units:	mg/Kg	Prepared:	11/30/00
Basis:	wet	Analyzed:	12/04/00
Diln Fac:	1.000		

Type: MS Lab ID: QC131517

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	6.954	46.99	61.73	117	35-146

Surrogate	%REC	Limits
Hexacosane	102	60-136

Type: MSD Lab ID: QC131518

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	46.53	65.22	125	35-146	6	48

Surrogate	%REC	Limits
Hexacosane	107	60-136

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8260B
Field ID:	SB-1-27	Batch#:	59968
Lab ID:	148898-001	Sampled:	11/27/00
Matrix:	Water	Received:	11/28/00
Units:	ug/L	Analyzed:	12/04/00
Diln Fac:	6.250		

Analyte	Result	RL
Freon 12	ND	6.3
Chloromethane	ND	6.3
Vinyl Chloride	ND	3.1
Bromomethane	ND	6.3
Chloroethane	ND	6.3
Trichlorofluoromethane	ND	3.1
Acetone	67	63
Freon 113	ND	31
1,1-Dichloroethene	ND	3.1
Methylene Chloride	ND	31
Carbon Disulfide	ND	3.1
MTBE	ND	3.1
trans-1,2-Dichloroethene	ND	3.1
Vinyl Acetate	ND	63
1,1-Dichloroethane	ND	3.1
2-Butanone	ND	63
cis-1,2-Dichloroethene	ND	3.1
2,2-Dichloropropane	ND	3.1
Chloroform	ND	3.1
Bromochloromethane	ND	3.1
1,1,1-Trichloroethane	ND	3.1
1,1-Dichloropropene	ND	3.1
Carbon Tetrachloride	ND	3.1
1,2-Dichloroethane	ND	3.1
Benzene	71	3.1
Trichloroethene	ND	3.1
1,2-Dichloropropane	ND	3.1
Bromodichloromethane	ND	3.1
Dibromomethane	ND	3.1
2-Chloroethylvinylether	ND	63
4-Methyl-2-Pentanone	ND	63
cis-1,3-Dichloropropene	ND	3.1
Toluene	3.5	3.1
trans-1,3-Dichloropropene	ND	3.1
1,1,2-Trichloroethane	ND	3.1
2-Hexanone	ND	63
1,3-Dichloropropane	ND	3.1

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8260B
Field ID:	SB-1-27	Batch#:	59968
Lab ID:	148898-001	Sampled:	11/27/00
Matrix:	Water	Received:	11/28/00
Units:	ug/L	Analyzed:	12/04/00
Diln Fac:	6.250		

Analyte	Result	RL
Tetrachloroethene	ND	3.1
Dibromochloromethane	ND	3.1
1,2-Dibromoethane	ND	3.1
Chlorobenzene	ND	3.1
1,1,1,2-Tetrachloroethane	ND	3.1
Ethylbenzene	250	3.1
m,p-Xylenes	460	3.1
o-Xylene	21	3.1
Styrene	ND	3.1
Bromoform	ND	6.3
Isopropylbenzene	71	3.1
1,1,2,2-Tetrachloroethane	ND	3.1
1,2,3-Trichloropropane	ND	3.1
Propylbenzene	68	3.1
Bromobenzene	ND	3.1
1,3,5-Trimethylbenzene	250	3.1
2-Chlorotoluene	ND	3.1
4-Chlorotoluene	ND	3.1
tert-Butylbenzene	5.1	3.1
1,2,4-Trimethylbenzene	700	3.1
sec-Butylbenzene	15	3.1
para-Isopropyl Toluene	13	3.1
1,3-Dichlorobenzene	ND	3.1
1,4-Dichlorobenzene	ND	3.1
n-Butylbenzene	40	3.1
1,2-Dichlorobenzene	ND	3.1
1,2-Dibromo-3-Chloropropane	ND	3.1
1,2,4-Trichlorobenzene	ND	3.1
Hexachlorobutadiene	ND	3.1
Naphthalene	150	6.3
1,2,3-Trichlorobenzene	ND	3.1

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-122
1,2-Dichloroethane-d4	115	78-123
Toluene-d8	99	80-110
Bromofluorobenzene	97	80-115

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8260B
Field ID:	SB-5-24	Batch#:	59968
Lab ID:	148898-002	Sampled:	11/27/00
Matrix:	Water	Received:	11/28/00
Units:	ug/L	Analyzed:	12/04/00
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	5.5	0.5
Benzene	3.3	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
2-Chloroethylvinylether	ND	10
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8260B
Field ID:	SB-5-24	Batch#:	59968
Lab ID:	148898-002	Sampled:	11/27/00
Matrix:	Water	Received:	11/28/00
Units:	ug/L	Analyzed:	12/04/00
Diln Fac:	1.000		

Analyte	Result	RL
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	1.5	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	1.2	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	1.9	0.5
para-Isopropyl Toluene	0.7	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	0.6	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	1.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-122
1,2-Dichloroethane-d4	108	78-123
Toluene-d8	98	80-110
Bromofluorobenzene	98	80-115

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC131696	Batch#:	59968
Matrix:	Water	Analyzed:	12/04/00
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
2-Chloroethylvinylether	ND	10
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC131696	Batch#:	59968
Matrix:	Water	Analyzed:	12/04/00
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	1.0
1,2,3-Trichlorobenzene	0.8	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-122
1,2-Dichloroethane-d4	112	78-123
Toluene-d8	98	80-110
Bromofluorobenzene	96	80-115

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC131697	Batch#:	59968
Matrix:	Water	Analyzed:	12/04/00
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
2-Chloroethylvinylether	ND	10
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC131697	Batch#:	59968
Matrix:	Water	Analyzed:	12/04/00
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	1.0
1,2,3-Trichlorobenzene	0.5	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-122
1,2-Dichloroethane-d4	111	78-123
Toluene-d8	97	80-110
Bromofluorobenzene	96	80-115

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	59968
Units:	ug/L	Analyzed:	12/04/00
Diln Fac:	1.000		

Type: BS Lab ID: QC131694

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	50.02	100	74-132
Benzene	50.00	47.32	95	80-116
Trichloroethene	50.00	50.75	101	80-119
Toluene	50.00	47.81	96	80-120
Chlorobenzene	50.00	49.32	99	80-117

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-122
1,2-Dichloroethane-d4	111	78-123
Toluene-d8	98	80-110
Bromofluorobenzene	97	80-115

Type: BSD Lab ID: QC131695

Analyte	Spiked	Result	%REC	Limits	RPD	Li
1,1-Dichloroethene	50.00	44.81	90	74-132	11	20
Benzene	50.00	44.92	90	80-116	5	2(
Trichloroethene	50.00	47.16	94	80-119	7	2(
Toluene	50.00	46.91	94	80-120	2	20
Chlorobenzene	50.00	48.97	98	80-117	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-122
1,2-Dichloroethane-d4	109	78-123
Toluene-d8	99	80-110
Bromofluorobenzene	97	80-115

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8260B
Field ID:	SB-1-2	Diln Fac:	0.9804
Lab ID:	148898-003	Batch#:	59898
Matrix:	Soil	Sampled:	11/27/00
Units:	ug/Kg	Received:	11/28/00
Basis:	wet	Analyzed:	11/29/00

Analyte	Result	RL
Freon 12	ND	9.8
Chloromethane	ND	9.8
Vinyl Chloride	ND	9.8
Bromomethane	ND	9.8
Chloroethane	ND	9.8
Trichlorofluoromethane	ND	4.9
Acetone	ND	20
Freon 113	ND	4.9
1,1-Dichloroethene	ND	4.9
Methylene Chloride	ND	20
Carbon Disulfide	ND	4.9
MTBE	ND	4.9
trans-1,2-Dichloroethene	ND	4.9
Vinyl Acetate	ND	49
1,1-Dichloroethane	ND	4.9
2-Butanone	ND	9.8
cis-1,2-Dichloroethene	ND	4.9
2,2-Dichloropropane	ND	4.9
Chloroform	ND	4.9
Bromochloromethane	ND	4.9
1,1,1-Trichloroethane	ND	4.9
1,1-Dichloropropene	ND	4.9
Carbon Tetrachloride	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Trichloroethene	ND	4.9
1,2-Dichloropropane	ND	4.9
Bromodichloromethane	ND	4.9
Dibromomethane	ND	4.9
4-Methyl-2-Pentanone	ND	9.8
cis-1,3-Dichloropropene	ND	4.9
Toluene	ND	4.9
trans-1,3-Dichloropropene	ND	4.9
1,1,2-Trichloroethane	ND	4.9
2-Hexanone	ND	9.8
1,3-Dichloropropane	ND	4.9
Tetrachloroethene	ND	4.9

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8260B
Field ID:	SB-1-2	Diln Fac:	0.9804
Lab ID:	148898-003	Batch#:	59898
Matrix:	Soil	Sampled:	11/27/00
Units:	ug/Kg	Received:	11/28/00
Basis:	wet	Analyzed:	11/29/00

Analyte	Result	RL
Dibromochloromethane	ND	4.9
1,2-Dibromoethane	ND	4.9
Chlorobenzene	ND	4.9
1,1,1,2-Tetrachloroethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9
Styrene	ND	4.9
Bromoform	ND	4.9
Isopropylbenzene	ND	4.9
1,1,2,2-Tetrachloroethane	ND	4.9
1,2,3-Trichloropropane	ND	4.9
Propylbenzene	ND	4.9
Bromobenzene	ND	4.9
1,3,5-Trimethylbenzene	ND	4.9
2-Chlorotoluene	ND	4.9
4-Chlorotoluene	ND	4.9
tert-Butylbenzene	ND	4.9
1,2,4-Trimethylbenzene	ND	4.9
sec-Butylbenzene	ND	4.9
para-Isopropyl Toluene	ND	4.9
1,3-Dichlorobenzene	ND	4.9
1,4-Dichlorobenzene	ND	4.9
n-Butylbenzene	ND	4.9
1,2-Dichlorobenzene	ND	4.9
1,2-Dibromo-3-Chloropropane	ND	4.9
1,2,4-Trichlorobenzene	ND	4.9
Hexachlorobutadiene	ND	4.9
Naphthalene	ND	4.9
1,2,3-Trichlorobenzene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	93	63-133
1,2-Dichloroethane-d4	93	76-127
Toluene-d8	97	80-111
Bromofluorobenzene	104	77-126

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8260B
Field ID:	SB-2-2	Diln Fac:	0.9804
Lab ID:	148898-007	Batch#:	59898
Matrix:	Soil	Sampled:	11/27/00
Units:	ug/Kg	Received:	11/28/00
Basis:	wet	Analyzed:	11/30/00

Analyte	Result	RL
Freon 12	ND	9.8
Chloromethane	ND	9.8
Vinyl Chloride	ND	9.8
Bromomethane	ND	9.8
Chloroethane	ND	9.8
Trichlorofluoromethane	ND	4.9
Acetone	ND	20
Freon 113	ND	4.9
1,1-Dichloroethene	ND	4.9
Methylene Chloride	ND	20
Carbon Disulfide	ND	4.9
MTBE	ND	4.9
trans-1,2-Dichloroethene	ND	4.9
Vinyl Acetate	ND	49
1,1-Dichloroethane	ND	4.9
2-Butanone	ND	9.8
cis-1,2-Dichloroethene	ND	4.9
2,2-Dichloropropane	ND	4.9
Chloroform	ND	4.9
Bromochloromethane	ND	4.9
1,1,1-Trichloroethane	ND	4.9
1,1-Dichloropropene	ND	4.9
Carbon Tetrachloride	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Trichloroethene	ND	4.9
1,2-Dichloropropane	ND	4.9
Bromodichloromethane	ND	4.9
Dibromomethane	ND	4.9
4-Methyl-2-Pentanone	ND	9.8
cis-1,3-Dichloropropene	ND	4.9
Toluene	ND	4.9
trans-1,3-Dichloropropene	ND	4.9
1,1,2-Trichloroethane	ND	4.9
2-Hexanone	ND	9.8
1,3-Dichloropropane	ND	4.9
Tetrachloroethene	ND	4.9

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8260B
Field ID:	SB-2-2	Diln Fac:	0.9804
Lab ID:	148898-007	Batch#:	59898
Matrix:	Soil	Sampled:	11/27/00
Units:	ug/Kg	Received:	11/28/00
Basis:	wet	Analyzed:	11/30/00

Analyte	Result	RL
Dibromochloromethane	ND	4.9
1,2-Dibromoethane	ND	4.9
Chlorobenzene	ND	4.9
1,1,1,2-Tetrachloroethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9
Styrene	ND	4.9
Bromoform	ND	4.9
Isopropylbenzene	ND	4.9
1,1,2,2-Tetrachloroethane	ND	4.9
1,2,3-Trichloropropane	ND	4.9
Propylbenzene	ND	4.9
Bromobenzene	ND	4.9
1,3,5-Trimethylbenzene	ND	4.9
2-Chlorotoluene	ND	4.9
4-Chlorotoluene	ND	4.9
tert-Butylbenzene	ND	4.9
1,2,4-Trimethylbenzene	ND	4.9
sec-Butylbenzene	ND	4.9
para-Isopropyl Toluene	ND	4.9
1,3-Dichlorobenzene	ND	4.9
1,4-Dichlorobenzene	ND	4.9
n-Butylbenzene	ND	4.9
1,2-Dichlorobenzene	ND	4.9
1,2-Dibromo-3-Chloropropane	ND	4.9
1,2,4-Trichlorobenzene	ND	4.9
Hexachlorobutadiene	ND	4.9
Naphthalene	ND	4.9
1,2,3-Trichlorobenzene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	94	63-133
1,2-Dichloroethane-d4	94	76-127
Toluene-d8	98	80-111
Bromofluorobenzene	111	77-126

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8260B
Field ID:	SB-3-2	Diln Fac:	0.9434
Lab ID:	148898-011	Batch#:	59898
Matrix:	Soil	Sampled:	11/27/00
Units:	ug/Kg	Received:	11/28/00
Basis:	wet	Analyzed:	11/30/00

Analyte	Result	RL
Freon 12	ND	9.4
Chloromethane	ND	9.4
Vinyl Chloride	ND	9.4
Bromomethane	ND	9.4
Chloroethane	ND	9.4
Trichlorofluoromethane	ND	4.7
Acetone	ND	19
Freon 113	ND	4.7
1,1-Dichloroethene	ND	4.7
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.7
MTBE	ND	4.7
trans-1,2-Dichloroethene	ND	4.7
Vinyl Acetate	ND	47
1,1-Dichloroethane	ND	4.7
2-Butanone	ND	9.4
cis-1,2-Dichloroethene	ND	4.7
2,2-Dichloropropane	ND	4.7
Chloroform	ND	4.7
Bromochloromethane	ND	4.7
1,1,1-Trichloroethane	ND	4.7
1,1-Dichloropropene	ND	4.7
Carbon Tetrachloride	ND	4.7
1,2-Dichloroethane	ND	4.7
Benzene	ND	4.7
Trichloroethene	ND	4.7
1,2-Dichloropropane	ND	4.7
Bromodichloromethane	ND	4.7
Dibromomethane	ND	4.7
4-Methyl-2-Pentanone	ND	9.4
cis-1,3-Dichloropropene	ND	4.7
Toluene	ND	4.7
trans-1,3-Dichloropropene	ND	4.7
1,1,2-Trichloroethane	ND	4.7
2-Hexanone	ND	9.4
1,3-Dichloropropane	ND	4.7
Tetrachloroethene	ND	4.7

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8260B
Field ID:	SB-3-2	Diln Fac:	0.9434
Lab ID:	148898-011	Batch#:	59898
Matrix:	Soil	Sampled:	11/27/00
Units:	ug/Kg	Received:	11/28/00
Basis:	wet	Analyzed:	11/30/00

Analyte	Result	RL
Dibromochloromethane	ND	4.7
1,2-Dibromoethane	ND	4.7
Chlorobenzene	ND	4.7
1,1,1,2-Tetrachloroethane	ND	4.7
Ethylbenzene	ND	4.7
m,p-Xylenes	ND	4.7
o-Xylene	ND	4.7
Styrene	ND	4.7
Bromoform	ND	4.7
Isopropylbenzene	ND	4.7
1,1,2,2-Tetrachloroethane	ND	4.7
1,2,3-Trichloropropane	ND	4.7
Propylbenzene	ND	4.7
Bromobenzene	ND	4.7
1,3,5-Trimethylbenzene	ND	4.7
2-Chlorotoluene	ND	4.7
4-Chlorotoluene	ND	4.7
tert-Butylbenzene	ND	4.7
1,2,4-Trimethylbenzene	ND	4.7
sec-Butylbenzene	ND	4.7
para-Isopropyl Toluene	ND	4.7
1,3-Dichlorobenzene	ND	4.7
1,4-Dichlorobenzene	ND	4.7
n-Butylbenzene	ND	4.7
1,2-Dichlorobenzene	ND	4.7
1,2-Dibromo-3-Chloropropane	ND	4.7
1,2,4-Trichlorobenzene	ND	4.7
Hexachlorobutadiene	ND	4.7
Naphthalene	ND	4.7
1,2,3-Trichlorobenzene	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	96	63-133
1,2-Dichloroethane-d4	93	76-127
Toluene-d8	96	80-111
Bromofluorobenzene	107	77-126

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8260B
Field ID:	SB-4-2	Diln Fac:	0.9615
Lab ID:	148898-015	Batch#:	59898
Matrix:	Soil	Sampled:	11/27/00
Units:	ug/Kg	Received:	11/28/00
Basis:	wet	Analyzed:	11/30/00

Analyte	Result	RL
Freon 12	ND	9.6
Chloromethane	ND	9.6
Vinyl Chloride	ND	9.6
Bromomethane	ND	9.6
Chloroethane	ND	9.6
Trichlorofluoromethane	ND	4.8
Acetone	ND	19
Freon 113	ND	4.8
1,1-Dichloroethene	ND	4.8
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.8
MTBE	ND	4.8
trans-1,2-Dichloroethene	ND	4.8
Vinyl Acetate	ND	48
1,1-Dichloroethane	ND	4.8
2-Butanone	ND	9.6
cis-1,2-Dichloroethene	ND	4.8
2,2-Dichloropropane	ND	4.8
Chloroform	ND	4.8
Bromochloromethane	ND	4.8
1,1,1-Trichloroethane	ND	4.8
1,1-Dichloropropene	ND	4.8
Carbon Tetrachloride	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Trichloroethene	ND	4.8
1,2-Dichloropropane	ND	4.8
Bromodichloromethane	ND	4.8
Dibromomethane	ND	4.8
4-Methyl-2-Pentanone	ND	9.6
cis-1,3-Dichloropropene	ND	4.8
Toluene	ND	4.8
trans-1,3-Dichloropropene	ND	4.8
1,1,2-Trichloroethane	ND	4.8
2-Hexanone	ND	9.6
1,3-Dichloropropane	ND	4.8
Tetrachloroethene	ND	4.8

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8260B
Field ID:	SB-4-2	Diln Fac:	0.9615
Lab ID:	148898-015	Batch#:	59898
Matrix:	Soil	Sampled:	11/27/00
Units:	ug/Kg	Received:	11/28/00
Basis:	wet	Analyzed:	11/30/00

Analyte	Result	RL
Dibromochloromethane	ND	4.8
1,2-Dibromoethane	ND	4.8
Chlorobenzene	ND	4.8
1,1,1,2-Tetrachloroethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8
Styrene	ND	4.8
Bromoform	ND	4.8
Isopropylbenzene	ND	4.8
1,1,2,2-Tetrachloroethane	ND	4.8
1,2,3-Trichloropropane	ND	4.8
Propylbenzene	ND	4.8
Bromobenzene	ND	4.8
1,3,5-Trimethylbenzene	ND	4.8
2-Chlorotoluene	ND	4.8
4-Chlorotoluene	ND	4.8
tert-Butylbenzene	ND	4.8
1,2,4-Trimethylbenzene	ND	4.8
sec-Butylbenzene	ND	4.8
para-Isopropyl Toluene	ND	4.8
1,3-Dichlorobenzene	ND	4.8
1,4-Dichlorobenzene	ND	4.8
n-Butylbenzene	ND	4.8
1,2-Dichlorobenzene	ND	4.8
1,2-Dibromo-3-Chloropropane	ND	4.8
1,2,4-Trichlorobenzene	ND	4.8
Hexachlorobutadiene	ND	4.8
Naphthalene	ND	4.8
1,2,3-Trichlorobenzene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	96	63-133
1,2-Dichloroethane-d4	98	76-127
Toluene-d8	97	80-111
Bromofluorobenzene	104	77-126

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8260B
Field ID:	HA-1-1.5	Diln Fac:	1.020
Lab ID:	148898-023	Batch#:	59898
Matrix:	Soil	Sampled:	11/27/00
Units:	ug/Kg	Received:	11/28/00
Basis:	wet	Analyzed:	11/30/00

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.1
Acetone	ND	20
Freon 113	ND	5.1
1,1-Dichloroethene	ND	5.1
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.1
MTBE	ND	5.1
trans-1,2-Dichloroethene	ND	5.1
Vinyl Acetate	ND	51
1,1-Dichloroethane	ND	5.1
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.1
2,2-Dichloropropane	ND	5.1
Chloroform	ND	5.1
Bromochloromethane	ND	5.1
1,1,1-Trichloroethane	ND	5.1
1,1-Dichloropropene	ND	5.1
Carbon Tetrachloride	ND	5.1
1,2-Dichloroethane	ND	5.1
Benzene	ND	5.1
Trichloroethene	ND	5.1
1,2-Dichloropropane	ND	5.1
Bromodichloromethane	ND	5.1
Dibromomethane	ND	5.1
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.1
Toluene	ND	5.1
trans-1,3-Dichloropropene	ND	5.1
1,1,2-Trichloroethane	ND	5.1
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.1
Tetrachloroethene	ND	5.1

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8260B
Field ID:	HA-2-0.5	Diln Fac:	0.9615
Lab ID:	148898-024	Batch#:	59898
Matrix:	Soil	Sampled:	11/27/00
Units:	ug/Kg	Received:	11/28/00
Basis:	wet	Analyzed:	11/30/00

Analyte	Result	RL
Dibromochloromethane	ND	4.8
1,2-Dibromoethane	ND	4.8
Chlorobenzene	ND	4.8
1,1,1,2-Tetrachloroethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8
Styrene	ND	4.8
Bromoform	ND	4.8
Isopropylbenzene	ND	4.8
1,1,2,2-Tetrachloroethane	ND	4.8
1,2,3-Trichloropropane	ND	4.8
Propylbenzene	ND	4.8
Bromobenzene	ND	4.8
1,3,5-Trimethylbenzene	ND	4.8
2-Chlorotoluene	ND	4.8
4-Chlorotoluene	ND	4.8
tert-Butylbenzene	ND	4.8
1,2,4-Trimethylbenzene	ND	4.8
sec-Butylbenzene	ND	4.8
para-Isopropyl Toluene	ND	4.8
1,3-Dichlorobenzene	ND	4.8
1,4-Dichlorobenzene	ND	4.8
n-Butylbenzene	ND	4.8
1,2-Dichlorobenzene	ND	4.8
1,2-Dibromo-3-Chloropropane	ND	4.8
1,2,4-Trichlorobenzene	ND	4.8
Hexachlorobutadiene	ND	4.8
Naphthalene	ND	4.8
1,2,3-Trichlorobenzene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	95	63-133
1,2-Dichloroethane-d4	93	76-127
Toluene-d8	96	80-111
Bromofluorobenzene	107	77-126

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8260B
Field ID:	HA-7-1.5	Diln Fac:	0.9804
Lab ID:	148898-029	Batch#:	59898
Matrix:	Soil	Sampled:	11/27/00
Units:	ug/Kg	Received:	11/28/00
Basis:	wet	Analyzed:	11/30/00

Analyte	Result	RL
Freon 12	ND	9.8
Chloromethane	ND	9.8
Vinyl Chloride	ND	9.8
Bromomethane	ND	9.8
Chloroethane	ND	9.8
Trichlorofluoromethane	ND	4.9
Acetone	ND	20
Freon 113	ND	4.9
1,1-Dichloroethene	ND	4.9
Methylene Chloride	ND	20
Carbon Disulfide	ND	4.9
MTBE	ND	4.9
trans-1,2-Dichloroethene	ND	4.9
Vinyl Acetate	ND	49
1,1-Dichloroethane	ND	4.9
2-Butanone	ND	9.8
cis-1,2-Dichloroethene	ND	4.9
2,2-Dichloropropane	ND	4.9
Chloroform	ND	4.9
Bromochloromethane	ND	4.9
1,1,1-Trichloroethane	ND	4.9
1,1-Dichloropropene	ND	4.9
Carbon Tetrachloride	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Trichloroethene	ND	4.9
1,2-Dichloropropane	ND	4.9
Bromodichloromethane	ND	4.9
Dibromomethane	ND	4.9
4-Methyl-2-Pentanone	ND	9.8
cis-1,3-Dichloropropene	ND	4.9
Toluene	ND	4.9
trans-1,3-Dichloropropene	ND	4.9
1,1,2-Trichloroethane	ND	4.9
2-Hexanone	ND	9.8
1,3-Dichloropropane	ND	4.9
Tetrachloroethene	ND	4.9

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8260B
Type:	BLANK	Basis:	wet
Lab ID:	QC131519	Diln Fac:	1.000
Matrix:	Soil	Batch#:	59898
Units:	ug/Kg	Analyzed:	11/29/00

Analyte	Result	RL
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	93	63-133
1,2-Dichloroethane-d4	95	76-127
Toluene-d8	99	80-111
Bromofluorobenzene	105	77-126

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8260B
Type:	LCS	Basis:	wet
Lab ID:	QC131422	Batch#:	59898
Matrix:	Soil	Analyzed:	11/29/00
Units:	ug/Kg		

Analyte	Spiked	Result	%REC	Limits	Diln Fac
1,1-Dichloroethene	250.0	238.8	96	66-138	5.000
Benzene	250.0	235.0	94	76-121	5.000
Trichloroethene	250.0	242.5	97	75-124	5.000
Toluene	250.0	246.3	99	75-124	5.000
Chlorobenzene	250.0	244.2	98	78-115	5.000

Surrogate	%REC	Limits	Diln Fac
Dibromofluoromethane	98	63-133	1.000
1,2-Dichloroethane-d4	95	76-127	1.000
Toluene-d8	100	80-111	1.000
Bromofluorobenzene	99	77-126	1.000

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 5030
Project#:	7941.00.001	Analysis:	EPA 8260B
Field ID:	SB-1-2	Diln Fac:	0.9804
MSS Lab ID:	148898-003	Batch#:	59898
Matrix:	Soil	Sampled:	11/27/00
Units:	ug/Kg	Received:	11/28/00
Basis:	wet	Analyzed:	11/30/00

Type: MS Lab ID: QC131499

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<4.902	49.02	41.80	85	42-145
Benzene	<4.902	49.02	39.27	80	50-133
Trichloroethene	<4.902	49.02	40.68	83	33-133
Toluene	<4.902	49.02	40.18	82	45-134
Chlorobenzene	<4.902	49.02	37.06	76	38-137

Surrogate	%REC	Limits
Dibromofluoromethane	98	63-133
1,2-Dichloroethane-d4	91	76-127
Toluene-d8	98	80-111
Bromofluorobenzene	100	77-126

Type: MSD Lab ID: QC131500

Analyte	Spiked	Result	%REC	Limits	RPD	Li
1,1-Dichloroethene	49.02	42.74	87	42-145	2	3
Benzene	49.02	39.81	81	50-133	1	29
Trichloroethene	49.02	40.60	83	33-133	0	30
Toluene	49.02	40.29	82	45-134	0	2
Chlorobenzene	49.02	36.38	74	38-137	2	3

Surrogate	%REC	Limits
Dibromofluoromethane	98	63-133
1,2-Dichloroethane-d4	92	76-127
Toluene-d8	99	80-111
Bromofluorobenzene	101	77-126

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Arsenic

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	7941.00.001	Analysis:	EPA 6010B
Analyte:	Arsenic	Sampled:	11/27/00
Matrix:	Filtrate	Received:	11/28/00
Units:	ug/L	Prepared:	11/30/00
Diln Fac:	1.000	Analyzed:	12/04/00
Batch#:	59935		

Field ID	Type	Lab ID	Result	RL
SB-1-27	SAMPLE	148898-001	ND	5.0
SB-5-24	SAMPLE	148898-002	ND	5.0
	BLANK	QC131577	ND	5.0

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Arsenic

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	7941.00.001	Analysis:	EPA 6010B
Analyte:	Arsenic	Batch#:	59935
Field ID:	ZZZZZZZZZZ	Sampled:	11/22/00
MSS Lab ID:	148870-001	Received:	11/27/00
Matrix:	Filtrate	Prepared:	11/30/00
Units:	ug/L	Analyzed:	12/04/00
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	RL	%REC	Limits	RPD	Lim
BS	QC131578		100.0	103.0		103	80-120		
BSD	QC131579		100.0	103.0		103	80-120	0	20
SDUP	QC131580	<5.000		ND	5.0			NC	42
SSPIKE	QC131581	ND	100.0	107.0		107	65-131		

NC = Not Calculated
ND = Not Detected
RL = Reporting Limit
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Lead

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	7941.00.001	Analysis:	EPA 6010B
Analyte:	Lead	Sampled:	11/27/00
Matrix:	Filtrate	Received:	11/28/00
Units:	ug/L	Prepared:	11/30/00
Diln Fac:	1.000	Analyzed:	12/04/00
Batch#:	59935		

Field ID	Type	Lab ID	Result	RL
SB-1-27	SAMPLE	148898-001	4.2	3.0
SB-5-24	SAMPLE	148898-002	ND	3.0
	BLANK	QC131577	ND	3.0

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Lead

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	7941.00.001	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	59935
Field ID:	ZZZZZZZZZZ	Sampled:	11/22/00
MSS Lab ID:	148870-001	Received:	11/27/00
Matrix:	Filtrate	Prepared:	11/30/00
Units:	ug/L	Analyzed:	12/04/00
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	RL	%REC	Limits	RPD	Lim
BS	QC131578		100.0	96.90		97	78-120		
BSD	QC131579		100.0	97.10		97	78-120	0	20
SDUP	QC131580	<3.000		ND	3.0			NC,	29
SSPIKE	QC131581	<0.9200	100.0	93.70		94	66-128		

NC = Not Calculated
ND = Not Detected
RL = Reporting Limit
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Arsenic

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 3050
Project#:	7941.00.001	Analysis:	EPA 6010B
Analyte:	Arsenic	Batch#:	59886
Matrix:	Soil	Sampled:	11/27/00
Units:	mg/Kg	Received:	11/28/00
Basis:	wet	Prepared:	11/28/00
Diln Fac:	1.000	Analyzed:	12/01/00

Field ID	Type	Lab ID	Result	RL
SB-1-2	SAMPLE	148898-003	2.2	0.25
SB-2-2	SAMPLE	148898-007	1.9	0.24
SB-3-2	SAMPLE	148898-011	2.4	0.25
SB-4-2	SAMPLE	148898-015	2.8	0.24
SB-5-2	SAMPLE	148898-019	3.7	0.23
HA-1-1.5	SAMPLE	148898-023	2.6	0.25
HA-2-0.5	SAMPLE	148898-024	2.5	0.25
HA-3-1.5	SAMPLE	148898-025	2.8	0.25
HA-4-1.5	SAMPLE	148898-026	2.4	0.25
HA-5-1.5	SAMPLE	148898-027	4.0	0.24
HA-6-1.5	SAMPLE	148898-028	3.1	0.24
HA-7-1.5	SAMPLE	148898-029	0.75	0.24
HA-8-0.5	SAMPLE	148898-030	2.6	0.25
	BLANK	QC131377	ND	0.25

ND = Not Detected
RL = Reporting Limit

Arsenic

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 3050
Project#:	7941.00.001	Analysis:	EPA 6010B
Analyte:	Arsenic	Diln Fac:	1.000
Field ID:	SB-1-2	Batch#:	59886
MSS Lab ID:	148898-003	Sampled:	11/27/00
Matrix:	Soil	Received:	11/28/00
Units:	mg/Kg	Prepared:	11/28/00
Basis:	wet	Analyzed:	12/01/00

Type	Lab ID	MSS Result	Spiked	Result	RL	%REC	Limits	RPD	Lim
BS	QC131378		50.00	47.10		94	74-110		
BSD	QC131379		50.00	47.20		94	74-110	0	20
SDUP	QC131380	2.240		2.538	0.24			12	39
SSPIKE	QC131381	2.240	48.08	42.02		83	51-114		

RL = Reporting Limit
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Lead

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 3050
Project#:	7941.00.001	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	59886
Matrix:	Soil	Sampled:	11/27/00
Units:	mg/Kg	Received:	11/28/00
Basis:	wet	Prepared:	11/28/00
Diln Fac:	1.000	Analyzed:	12/04/00

Field ID	Type	Lab ID	Result	RL
SB-1-2	SAMPLE	148898-003	7.2	0.15
SB-2-2	SAMPLE	148898-007	30	0.14
SB-3-2	SAMPLE	148898-011	6.4	0.15
SB-4-2	SAMPLE	148898-015	6.4	0.14
SB-5-2	SAMPLE	148898-019	10	0.14
HA-1-1.5	SAMPLE	148898-023	15	0.15
HA-2-0.5	SAMPLE	148898-024	16	0.15
HA-3-1.5	SAMPLE	148898-025	8.1	0.15
HA-4-1.5	SAMPLE	148898-026	5.9	0.15
HA-5-1.5	SAMPLE	148898-027	9.5	0.14
HA-6-1.5	SAMPLE	148898-028	6.8	0.14
HA-7-1.5	SAMPLE	148898-029	23	0.14
HA-8-0.5	SAMPLE	148898-030	8.2	0.15
	BLANK	QC131377	ND	0.15

ND = Not Detected
RL = Reporting Limit

Lead

Lab #:	148898	Location:	Summer Hill
Client:	LFR Levine Fricke	Prep:	EPA 3050
Project#:	7941.00.001	Analysis:	EPA 6010B
Analyte:	Lead	Diln Fac:	1.000
Field ID:	SB-1-2	Batch#:	59886
MSS Lab ID:	148898-003	Sampled:	11/27/00
Matrix:	Soil	Received:	11/28/00
Units:	mg/Kg	Prepared:	11/28/00
Basis:	wet	Analyzed:	12/04/00

Type	Lab ID	MSS Result	Spiked	Result	RL	%REC	Limits	RPD	Lim
BS	QC131378		100.0	88.00		88	70-110		
BSD	QC131379		100.0	91.00		91	70-110	3	20
SDUP	QC131380	7.206		6.971	0.14			3	40
SSPIKE	QC131381	7.206	96.15	86.54		83	31-133		

RL = Reporting Limit
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Calscience
Environmental
Laboratories, Inc.

December 08, 2000

Tracy Babjar
Curtis & Tompkins, Ltd.
2323 Fifth Street
Berkeley, CA 94710

Subject: **Calscience Work Order No.:** **00-11-1204**
Client Reference: **148898**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/30/00 and analyzed in accordance with the attached chain-of-custody.

The results in this analytical report are limited to the samples tested and any reproduction of this report must be made in its entirety.

If you have any questions regarding this report, require sampling supplies or field services, or information on our analytical services, please feel free to call me at (714) 895-5494.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Jody McInerney
Project Manager

William H. Christensen
Quality Assurance Manager

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Curtis & Tompkins, Ltd.
2323 Fifth Street
Berkeley, CA 94710

Date Received: 11/30/00
Work Order No: 00-11-1204
Preparation: EPA 3545
Method: EPA 8081A/8082

Project: 148898

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
SB-1-2	00-11-1204-1	11/27/00	Solid	11/30/00	12/05/00	0011308

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Alpha-BHC	ND	5.0	1		ug/kg	4,4'-DDT	ND	5.0	1		ug/kg
Gamma-BHC	ND	5.0	1		ug/kg	Endosulfan Sulfate	ND	5.0	1		ug/kg
Beta-BHC	ND	5.0	1		ug/kg	Methoxychlor	ND	5.0	1		ug/kg
Heptachlor	ND	5.0	1		ug/kg	Chlordane	ND	50	1		ug/kg
Delta-BHC	ND	5.0	1		ug/kg	Toxaphene	ND	100	1		ug/kg
Aldrin	ND	5.0	1		ug/kg	Aroclor-1016	ND	50	1		ug/kg
Heptachlor Epoxide	ND	5.0	1		ug/kg	Aroclor-1221	ND	50	1		ug/kg
Endosulfan I	ND	5.0	1		ug/kg	Aroclor-1232	ND	50	1		ug/kg
Dieldrin	ND	5.0	1		ug/kg	Aroclor-1242	ND	50	1		ug/kg
4,4'-DDE	ND	5.0	1		ug/kg	Aroclor-1248	ND	50	1		ug/kg
Endrin	ND	5.0	1		ug/kg	Aroclor-1254	ND	50	1		ug/kg
Endrin Aldehyde	ND	5.0	1		ug/kg	Aroclor-1260	ND	50	1		ug/kg
4,4'-DDD	ND	5.0	1		ug/kg	Aroclor-1262	ND	50	1		ug/kg
Endosulfan II	ND	5.0	1		ug/kg	Endrin Ketone	ND	5.0	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	62	50-130		2,4,5,6-Tetrachloro-m-Xylene	42	50-130	2

SB-2-2	00-11-1204-2	11/27/00	Solid	11/30/00	12/06/00	0011308

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Alpha-BHC	ND	5.0	1		ug/kg	4,4'-DDT	ND	5.0	1		ug/kg
Gamma-BHC	ND	5.0	1		ug/kg	Endosulfan Sulfate	ND	5.0	1		ug/kg
Beta-BHC	ND	5.0	1		ug/kg	Methoxychlor	ND	5.0	1		ug/kg
Heptachlor	ND	5.0	1		ug/kg	Chlordane	ND	50	1		ug/kg
Delta-BHC	ND	5.0	1		ug/kg	Toxaphene	ND	100	1		ug/kg
Aldrin	ND	5.0	1		ug/kg	Aroclor-1016	ND	50	1		ug/kg
Heptachlor Epoxide	ND	5.0	1		ug/kg	Aroclor-1221	ND	50	1		ug/kg
Endosulfan I	ND	5.0	1		ug/kg	Aroclor-1232	ND	50	1		ug/kg
Dieldrin	ND	5.0	1		ug/kg	Aroclor-1242	ND	50	1		ug/kg
4,4'-DDE	ND	5.0	1		ug/kg	Aroclor-1248	ND	50	1		ug/kg
Endrin	ND	5.0	1		ug/kg	Aroclor-1254	ND	50	1		ug/kg
Endrin Aldehyde	ND	5.0	1		ug/kg	Aroclor-1260	ND	50	1		ug/kg
4,4'-DDD	ND	5.0	1		ug/kg	Aroclor-1262	ND	50	1		ug/kg
Endosulfan II	ND	5.0	1		ug/kg	Endrin Ketone	ND	5.0	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	98	50-130		2,4,5,6-Tetrachloro-m-Xylene	81	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Curtis & Tompkins, Ltd.
2323 Fifth Street
Berkeley, CA 94710

Date Received: 11/30/00
Work Order No: 00-11-1204
Preparation: EPA 3545
Method: EPA 8081A/8082

Project: 148898

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
SB-3-2	00-11-1204-3	11/27/00	Solid	11/30/00	12/05/00	0011308

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Alpha-BHC	ND	5.0	1		ug/kg	4,4'-DDT	ND	5.0	1		ug/kg
Gamma-BHC	ND	5.0	1		ug/kg	Endosulfan Sulfate	ND	5.0	1		ug/kg
Beta-BHC	ND	5.0	1		ug/kg	Methoxychlor	ND	5.0	1		ug/kg
Heptachlor	ND	5.0	1		ug/kg	Chlordane	ND	50	1		ug/kg
Delta-BHC	ND	5.0	1		ug/kg	Toxaphene	ND	100	1		ug/kg
Aldrin	ND	5.0	1		ug/kg	Aroclor-1016	ND	50	1		ug/kg
Heptachlor Epoxide	ND	5.0	1		ug/kg	Aroclor-1221	ND	50	1		ug/kg
Endosulfan I	ND	5.0	1		ug/kg	Aroclor-1232	ND	50	1		ug/kg
Dieldrin	ND	5.0	1		ug/kg	Aroclor-1242	ND	50	1		ug/kg
4,4'-DDE	ND	5.0	1		ug/kg	Aroclor-1248	ND	50	1		ug/kg
Endrin	ND	5.0	1		ug/kg	Aroclor-1254	ND	50	1		ug/kg
Endrin Aldehyde	ND	5.0	1		ug/kg	Aroclor-1260	ND	50	1		ug/kg
4,4'-DDD	ND	5.0	1		ug/kg	Aroclor-1262	ND	50	1		ug/kg
Endosulfan II	ND	5.0	1		ug/kg	Endrin Ketone	ND	5.0	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	56	50-130		2,4,5,6-Tetrachloro-m-Xylene	44	50-130	2

SB-4-2	00-11-1204-4	11/27/00	Solid	11/30/00	12/06/00	0011308

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Alpha-BHC	ND	5.0	1		ug/kg	4,4'-DDT	ND	5.0	1		ug/kg
Gamma-BHC	ND	5.0	1		ug/kg	Endosulfan Sulfate	ND	5.0	1		ug/kg
Beta-BHC	ND	5.0	1		ug/kg	Methoxychlor	ND	5.0	1		ug/kg
Heptachlor	ND	5.0	1		ug/kg	Chlordane	ND	50	1		ug/kg
Delta-BHC	ND	5.0	1		ug/kg	Toxaphene	ND	100	1		ug/kg
Aldrin	ND	5.0	1		ug/kg	Aroclor-1016	ND	50	1		ug/kg
Heptachlor Epoxide	ND	5.0	1		ug/kg	Aroclor-1221	ND	50	1		ug/kg
Endosulfan I	ND	5.0	1		ug/kg	Aroclor-1232	ND	50	1		ug/kg
Dieldrin	ND	5.0	1		ug/kg	Aroclor-1242	ND	50	1		ug/kg
4,4'-DDE	ND	5.0	1		ug/kg	Aroclor-1248	ND	50	1		ug/kg
Endrin	ND	5.0	1		ug/kg	Aroclor-1254	ND	50	1		ug/kg
Endrin Aldehyde	ND	5.0	1		ug/kg	Aroclor-1260	ND	50	1		ug/kg
4,4'-DDD	ND	5.0	1		ug/kg	Aroclor-1262	ND	50	1		ug/kg
Endosulfan II	ND	5.0	1		ug/kg	Endrin Ketone	ND	5.0	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	62	50-130		2,4,5,6-Tetrachloro-m-Xylene	30	50-130	2

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Curtis & Tompkins, Ltd.
2323 Fifth Street
Berkeley, CA 94710

Date Received: 11/30/00
Work Order No: 00-11-1204
Preparation: EPA 3545
Method: EPA 8081A/8082

Project: 148898

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
HA-1-1.5	00-11-1204-5	11/27/00	Solid	11/30/00	12/06/00	0011308

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Alpha-BHC	ND	5.0	1		ug/kg	4,4'-DDT	ND	5.0	1		ug/kg
Gamma-BHC	ND	5.0	1		ug/kg	Endosulfan Sulfate	ND	5.0	1		ug/kg
Beta-BHC	ND	5.0	1		ug/kg	Methoxychlor	ND	5.0	1		ug/kg
Heptachlor	ND	5.0	1		ug/kg	Chlordane	ND	50	1		ug/kg
Delta-BHC	ND	5.0	1		ug/kg	Toxaphene	ND	100	1		ug/kg
Aldrin	ND	5.0	1		ug/kg	Aroclor-1016	ND	50	1		ug/kg
Heptachlor Epoxide	ND	5.0	1		ug/kg	Aroclor-1221	ND	50	1		ug/kg
Endosulfan I	ND	5.0	1		ug/kg	Aroclor-1232	ND	50	1		ug/kg
Dieldrin	ND	5.0	1		ug/kg	Aroclor-1242	ND	50	1		ug/kg
4,4'-DDE	ND	5.0	1		ug/kg	Aroclor-1248	ND	50	1		ug/kg
Endrin	ND	5.0	1		ug/kg	Aroclor-1254	ND	50	1		ug/kg
Endrin Aldehyde	ND	5.0	1		ug/kg	Aroclor-1260	ND	50	1		ug/kg
4,4'-DDD	ND	5.0	1		ug/kg	Aroclor-1262	ND	50	1		ug/kg
Endosulfan II	ND	5.0	1		ug/kg	Endrin Ketone	ND	5.0	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	59	50-130		2,4,5,6-Tetrachloro-m-Xylene	46	50-130	2

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
HA-2-0.5	00-11-1204-6	11/27/00	Solid	11/30/00	12/06/00	0011308

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Alpha-BHC	ND	5.0	1		ug/kg	4,4'-DDT	ND	5.0	1		ug/kg
Gamma-BHC	ND	5.0	1		ug/kg	Endosulfan Sulfate	ND	5.0	1		ug/kg
Beta-BHC	ND	5.0	1		ug/kg	Methoxychlor	ND	5.0	1		ug/kg
Heptachlor	ND	5.0	1		ug/kg	Chlordane	ND	50	1		ug/kg
Delta-BHC	ND	5.0	1		ug/kg	Toxaphene	ND	100	1		ug/kg
Aldrin	ND	5.0	1		ug/kg	Aroclor-1016	ND	50	1		ug/kg
Heptachlor Epoxide	ND	5.0	1		ug/kg	Aroclor-1221	ND	50	1		ug/kg
Endosulfan I	ND	5.0	1		ug/kg	Aroclor-1232	ND	50	1		ug/kg
Dieldrin	ND	5.0	1		ug/kg	Aroclor-1242	ND	50	1		ug/kg
4,4'-DDE	ND	5.0	1		ug/kg	Aroclor-1248	ND	50	1		ug/kg
Endrin	ND	5.0	1		ug/kg	Aroclor-1254	ND	50	1		ug/kg
Endrin Aldehyde	ND	5.0	1		ug/kg	Aroclor-1260	ND	50	1		ug/kg
4,4'-DDD	ND	5.0	1		ug/kg	Aroclor-1262	ND	50	1		ug/kg
Endosulfan II	ND	5.0	1		ug/kg	Endrin Ketone	ND	5.0	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	63	50-130		2,4,5,6-Tetrachloro-m-Xylene	55	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Curtis & Tompkins, Ltd.
2323 Fifth Street
Berkeley, CA 94710

Date Received: 11/30/00
Work Order No: 00-11-1204
Preparation: EPA 3545
Method: EPA 8081A/8082

Project: 148898

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
HA-3-1.5	00-11-1204-7	11/27/00	Solid	11/30/00	12/07/00	0011308

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Alpha-BHC	ND	5.0	1		ug/kg	4,4'-DDT	ND	5.0	1		ug/kg
Gamma-BHC	ND	5.0	1		ug/kg	Endosulfan Sulfate	ND	5.0	1		ug/kg
Beta-BHC	ND	5.0	1		ug/kg	Methoxychlor	ND	5.0	1		ug/kg
Heptachlor	ND	5.0	1		ug/kg	Chlordane	ND	50	1		ug/kg
Delta-BHC	ND	5.0	1		ug/kg	Toxaphene	ND	100	1		ug/kg
Aldrin	ND	5.0	1		ug/kg	Aroclor-1016	ND	50	1		ug/kg
Heptachlor Epoxide	ND	5.0	1		ug/kg	Aroclor-1221	ND	50	1		ug/kg
Endosulfan I	ND	5.0	1		ug/kg	Aroclor-1232	ND	50	1		ug/kg
Dieldrin	ND	5.0	1		ug/kg	Aroclor-1242	ND	50	1		ug/kg
4,4'-DDE	ND	5.0	1		ug/kg	Aroclor-1248	ND	50	1		ug/kg
Endrin	ND	5.0	1		ug/kg	Aroclor-1254	ND	50	1		ug/kg
Endrin Aldehyde	ND	5.0	1		ug/kg	Aroclor-1260	ND	50	1		ug/kg
4,4'-DDD	ND	5.0	1		ug/kg	Aroclor-1262	ND	50	1		ug/kg
Endosulfan II	ND	5.0	1		ug/kg	Endrin Ketone	ND	5.0	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	59	50-130		2,4,5,6-Tetrachloro-m-Xylene	34	50-130	2

HA-4-1.5	00-11-1204-8	11/27/00	Solid	11/30/00	12/07/00	0011308

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Alpha-BHC	ND	5.0	1		ug/kg	4,4'-DDT	ND	5.0	1		ug/kg
Gamma-BHC	ND	5.0	1		ug/kg	Endosulfan Sulfate	ND	5.0	1		ug/kg
Beta-BHC	ND	5.0	1		ug/kg	Methoxychlor	ND	5.0	1		ug/kg
Heptachlor	ND	5.0	1		ug/kg	Chlordane	ND	50	1		ug/kg
Delta-BHC	ND	5.0	1		ug/kg	Toxaphene	ND	100	1		ug/kg
Aldrin	ND	5.0	1		ug/kg	Aroclor-1016	ND	50	1		ug/kg
Heptachlor Epoxide	ND	5.0	1		ug/kg	Aroclor-1221	ND	50	1		ug/kg
Endosulfan I	ND	5.0	1		ug/kg	Aroclor-1232	ND	50	1		ug/kg
Dieldrin	ND	5.0	1		ug/kg	Aroclor-1242	ND	50	1		ug/kg
4,4'-DDE	ND	5.0	1		ug/kg	Aroclor-1248	ND	50	1		ug/kg
Endrin	ND	5.0	1		ug/kg	Aroclor-1254	ND	50	1		ug/kg
Endrin Aldehyde	ND	5.0	1		ug/kg	Aroclor-1260	ND	50	1		ug/kg
4,4'-DDD	ND	5.0	1		ug/kg	Aroclor-1262	ND	50	1		ug/kg
Endosulfan II	ND	5.0	1		ug/kg	Endrin Ketone	ND	5.0	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	82	50-130		2,4,5,6-Tetrachloro-m-Xylene	81	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Curtis & Tompkins, Ltd.
2323 Fifth Street
Berkeley, CA 94710

Date Received: 11/30/00
Work Order No: 00-11-1204
Preparation: EPA 3545
Method: EPA 8081A/8082

Project: 148898

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
HA-5-1.5	00-11-1204-9	11/27/00	Solid	11/30/00	12/07/00	0011308

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Alpha-BHC	ND	5.0	1		ug/kg	4,4'-DDT	ND	5.0	1		ug/kg
Gamma-BHC	ND	5.0	1		ug/kg	Endosulfan Sulfate	ND	5.0	1		ug/kg
Beta-BHC	ND	5.0	1		ug/kg	Methoxychlor	ND	5.0	1		ug/kg
Heptachlor	ND	5.0	1		ug/kg	Chlordane	ND	50	1		ug/kg
Delta-BHC	ND	5.0	1		ug/kg	Toxaphene	ND	100	1		ug/kg
Aldrin	ND	5.0	1		ug/kg	Aroclor-1016	ND	50	1		ug/kg
Heptachlor Epoxide	ND	5.0	1		ug/kg	Aroclor-1221	ND	50	1		ug/kg
Endosulfan I	ND	5.0	1		ug/kg	Aroclor-1232	ND	50	1		ug/kg
Dieldrin	ND	5.0	1		ug/kg	Aroclor-1242	ND	50	1		ug/kg
4,4'-DDE	ND	5.0	1		ug/kg	Aroclor-1248	ND	50	1		ug/kg
Endrin	ND	5.0	1		ug/kg	Aroclor-1254	ND	50	1		ug/kg
Endrin Aldehyde	ND	5.0	1		ug/kg	Aroclor-1260	ND	50	1		ug/kg
4,4'-DDD	ND	5.0	1		ug/kg	Aroclor-1262	ND	50	1		ug/kg
Endosulfan II	ND	5.0	1		ug/kg	Endrin Ketone	ND	5.0	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	57	50-130		2,4,5,6-Tetrachloro-m-Xylene	54	50-130	

HA-6-1.5	00-11-1204-10	11/27/00	Solid	11/30/00	12/07/00	0011308

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Alpha-BHC	ND	5.0	1		ug/kg	4,4'-DDT	ND	5.0	1		ug/kg
Gamma-BHC	ND	5.0	1		ug/kg	Endosulfan Sulfate	ND	5.0	1		ug/kg
Beta-BHC	ND	5.0	1		ug/kg	Methoxychlor	ND	5.0	1		ug/kg
Heptachlor	ND	5.0	1		ug/kg	Chlordane	ND	50	1		ug/kg
Delta-BHC	ND	5.0	1		ug/kg	Toxaphene	ND	100	1		ug/kg
Aldrin	ND	5.0	1		ug/kg	Aroclor-1016	ND	50	1		ug/kg
Heptachlor Epoxide	ND	5.0	1		ug/kg	Aroclor-1221	ND	50	1		ug/kg
Endosulfan I	ND	5.0	1		ug/kg	Aroclor-1232	ND	50	1		ug/kg
Dieldrin	ND	5.0	1		ug/kg	Aroclor-1242	ND	50	1		ug/kg
4,4'-DDE	ND	5.0	1		ug/kg	Aroclor-1248	ND	50	1		ug/kg
Endrin	ND	5.0	1		ug/kg	Aroclor-1254	ND	50	1		ug/kg
Endrin Aldehyde	ND	5.0	1		ug/kg	Aroclor-1260	ND	50	1		ug/kg
4,4'-DDD	ND	5.0	1		ug/kg	Aroclor-1262	ND	50	1		ug/kg
Endosulfan II	ND	5.0	1		ug/kg	Endrin Ketone	ND	5.0	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	83	50-130		2,4,5,6-Tetrachloro-m-Xylene	82	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Curtis & Tompkins, Ltd.
2323 Fifth Street
Berkeley, CA 94710

Date Received: 11/30/00
Work Order No: 00-11-1204
Preparation: EPA 3545
Method: EPA 8081A/8082

Project: 148898

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
HA-8-0.5	00-11-1204-11	11/27/00	Solid	11/30/00	12/07/00	0011308

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Alpha-BHC	ND	5.0	1		ug/kg	4,4'-DDT	5.7	5.0	1		ug/kg
Gamma-BHC	46	10	2	D	ug/kg	Endosulfan Sulfate	ND	5.0	1		ug/kg
Beta-BHC	ND	5.0	1		ug/kg	Methoxychlor	ND	5.0	1		ug/kg
Heptachlor	ND	5.0	1		ug/kg	Chlordane	ND	50	1		ug/kg
Delta-BHC	ND	5.0	1		ug/kg	Toxaphene	ND	100	1		ug/kg
Aldrin	ND	5.0	1		ug/kg	Aroclor-1016	ND	50	1		ug/kg
Heptachlor Epoxide	ND	5.0	1		ug/kg	Aroclor-1221	ND	50	1		ug/kg
Endosulfan I	ND	5.0	1		ug/kg	Aroclor-1232	ND	50	1		ug/kg
Dieldrin	ND	5.0	1		ug/kg	Aroclor-1242	ND	50	1		ug/kg
4,4'-DDE	ND	5.0	1		ug/kg	Aroclor-1248	ND	50	1		ug/kg
Endrin	ND	5.0	1		ug/kg	Aroclor-1254	ND	50	1		ug/kg
Endrin Aldehyde	ND	5.0	1		ug/kg	Aroclor-1260	ND	50	1		ug/kg
4,4'-DDD	ND	5.0	1		ug/kg	Aroclor-1262	ND	50	1		ug/kg
Endosulfan II	ND	5.0	1		ug/kg	Endrin Ketone	ND	5.0	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	51	50-130		2,4,5,6-Tetrachloro-m-Xylene	49	50-130	2

Method Blank	095-01-014-1,933	N/A	Solid	11/30/00	12/06/00	0011308

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Alpha-BHC	ND	5.0	1		ug/kg	4,4'-DDT	ND	5.0	1		ug/kg
Gamma-BHC	ND	5.0	1		ug/kg	Endosulfan Sulfate	ND	5.0	1		ug/kg
Beta-BHC	ND	5.0	1		ug/kg	Methoxychlor	ND	5.0	1		ug/kg
Heptachlor	ND	5.0	1		ug/kg	Chlordane	ND	50	1		ug/kg
Delta-BHC	ND	5.0	1		ug/kg	Toxaphene	ND	100	1		ug/kg
Aldrin	ND	5.0	1		ug/kg	Aroclor-1016	ND	50	1		ug/kg
Heptachlor Epoxide	ND	5.0	1		ug/kg	Aroclor-1221	ND	50	1		ug/kg
Endosulfan I	ND	5.0	1		ug/kg	Aroclor-1232	ND	50	1		ug/kg
Dieldrin	ND	5.0	1		ug/kg	Aroclor-1242	ND	50	1		ug/kg
4,4'-DDE	ND	5.0	1		ug/kg	Aroclor-1248	ND	50	1		ug/kg
Endrin	ND	5.0	1		ug/kg	Aroclor-1254	ND	50	1		ug/kg
Endrin Aldehyde	ND	5.0	1		ug/kg	Aroclor-1260	ND	50	1		ug/kg
4,4'-DDD	ND	5.0	1		ug/kg	Aroclor-1262	ND	50	1		ug/kg
Endosulfan II	ND	5.0	1		ug/kg	Endrin Ketone	ND	5.0	1		ug/kg

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	75	50-130		2,4,5,6-Tetrachloro-m-Xylene	74	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Curtis & Tompkins, Ltd.
2323 Fifth Street
Berkeley, CA 94710

Project: 148898

Date Received: 11/30/00
Work Order No: 00-11-1204
Preparation: EPA 3545
Method: EPA 8081A/8082

LCS Sample Number	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-014-1,933	Solid	GC 17	11/30/00	12/06/00	0011308

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gamma-BHC	78	86	50-135	9	0-25	
Heptachlor	77	83	50-135	8	0-25	
Endosulfan I	64	73	50-135	12	0-25	
Dieldrin	76	82	50-135	8	0-25	
Endrin	85	95	50-135	11	0-25	
4,4'-DDT	76	83	50-135	10	0-25	
Aroclor-1260	114	108	50-135	5	0-25	

Calscience Environmental Laboratories, Inc.

GLOSSARY OF TERMS AND QUALIFIERS

Work Order Number: 00-11-1204

Qualifier	Definition
2	Surrogate spike compound was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
D	The sample data was reported from a diluted analysis.
ND	Not detected at indicated reporting limit.

Curtis & Tompkins, Ltd.
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120H

Project Number: 148898

Subcontract Lab:

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7440 Lincoln Way
Garden Grove, CA 92641-1432
(714) 895-5494

Please send report to: Tracy Babjar

Turnaround Time: Std.

Report Level: II

Sample ID	Date Sampled	Matrix	Analysis	C&T Lab #
SB-1-2	27-NOV-00	Soil	8080	148898-003
SB-2-2	27-NOV-00	Soil	8080	148898-007
SB-3-2	27-NOV-00	Soil	8080	148898-011
SB-4-2	27-NOV-00	Soil	8080	148898-015
HA-1-1.5	27-NOV-00	Soil	8080	148898-023
HA-2-0.5	27-NOV-00	Soil	8080	148898-024
HA-3-1.5	27-NOV-00	Soil	8080	148898-025
HA-4-1.5	27-NOV-00	Soil	8080	148898-026
HA-5-1.5	27-NOV-00	Soil	8080	148898-027
HA-6-1.5	27-NOV-00	Soil	8080	148898-028
HA-8-0.5	27-NOV-00	Soil	8080	148898-030

***Please report using Sample ID instead of C&T Lab #.

Notes:	RELINQUISHED BY:	RECEIVED BY:
	Becu Smith 11-28-00 4:20 Date/Time	Date/Time 11-30-00 10:00
	Date/Time	Date/Time

(C.O.)

Environmental Micro Analysis, Inc. ELAP Certificate #2211
40 N East Street, Suite B
Woodland, CA 95776

Phone: (530) 666-6890 Fax: (530) 666-2987
e-mail: emalab@yolo.com website: www.emalab.com

Analytical Report

December 15, 2000

Client: Tracy Babjar
Curtis & Tompkins
2323 Fifth Street
Berkeley, CA 94710
Telephone: (510) 486-0900
Fax: (510) 486-0532

Analyte	Amount ppm	MRL ppm
2, 4 - D	ND	.05
2, 4 -DB	ND	.05
2, 4, 5 - T	ND	.05
2, 4, 5 -TP	ND	.05
Dalapon	ND	.1
Dicamba	ND	.05
Dichloroprop	ND	.05
Dinoseb	ND	.05

Project No: 148898

PO No:

Client Sample ID: SB-3-2
148898-011

Sample Date: 11/27/2000
EMA Sample No: 00113002-01
Date Received: 11/30/2000
Sample Matrix: Soil

Analytical Method: EPA 8151A (s)
Extraction Method: EPA 8151A
Date Extracted: 12/11/2000
Date Completed: 12/14/2000
Surrogate: DCAA
Surrogate Level: 0.2 ppm
Recovery: 113%

Date: 12/15/00 Signed: Donald A. Peters, Laboratory Director

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Woodland, CA 95776

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Analytical Report

December 15, 2000

Client: Tracy Babjar
Curtis & Tompkins
2323 Fifth Street
Berkeley, CA 94710
Telephone: (510) 486-0900
Fax: (510) 486-0532

Analyte	Amount ppm	MRL ppm
2, 4 - D	ND	.05
2, 4 -DB	ND	.05
2, 4, 5 - T	ND	.05
2, 4, 5 -TP	ND	.05
Dalapon	ND	.1
Dicamba	ND	.05
Dichloroprop	ND	.05
Dinoseb	ND	.05

Project No: 148898

PO No:

Client Sample ID: HA-1-1.5
148898-023

Sample Date: 11/27/2000
EMA Sample No: 00113002-02
Date Received: 11/30/2000
Sample Matrix: Soil

Analytical Method: EPA 8151A (s)
Extraction Method: EPA 8151A
Date Extracted: 12/11/2000
Date Completed: 12/14/2000
Surrogate: DCAA
Surrogate Level: 0.2 ppm
Recovery: 120%

Date: 12/15/00 Signed: Donald A. Peters, Laboratory Director

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Woodland, CA 95776

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e-mail: emalab@yolo.com website: www.emalab.com

Analytical Report

December 15, 2000

Client: Tracy Babjar
Curtis & Tompkins
2323 Fifth Street
Berkeley, CA 94710
Telephone: (510) 486-0900
Fax: (510) 486-0532

Analyte	Amount ppm	MRL ppm
2, 4 - D	ND	.05
2, 4 -DB	ND	.05
2, 4, 5 - T	ND	.05
2, 4, 5 -TP	ND	.05
Dalapon	ND	.1
Dicamba	ND	.05
Dichloroprop	ND	.05
Dinoseb	ND	.05

Project No: 148898

PO No:

Client Sample ID: HA-2-0.5
148898-024

Sample Date: 11/27/2000
EMA Sample No: 00113002-03
Date Received: 11/30/2000
Sample Matrix: Soil

Analytical Method: EPA 8151A (s)
Extraction Method: EPA 8151A
Date Extracted: 12/11/2000
Date Completed: 12/14/2000
Surrogate: DCAA
Surrogate Level: 0.2 ppm
Recovery: 79.0%

Date: 12/15/00 Signed: Donald A Peterson, Laboratory Director

Environmental Micro Analysis, Inc. ELAP Certificate #2211
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Woodland, CA 95776

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e-mail: emalab@yolo.com website: www.emalab.com

Analytical Report

December 15, 2000

Client: Tracy Babjar
Curtis & Tompkins
2323 Fifth Street
Berkeley, CA 94710
Telephone: (510) 486-0900
Fax: (510) 486-0532

Analyte	Amount ppm	MRL ppm
2, 4 - D	ND	.05
2, 4 -DB	ND	.05
2, 4, 5 - T	ND	.05
2, 4, 5 -TP	ND	.05
Dalapon	ND	.1
Dicamba	ND	.05
Dichloroprop	ND	.05
Dinoseb	ND	.05

Project No: 148898

PO No:

Client Sample ID: HA-8-0.5
148898-030

Sample Date: 11/27/2000
EMA Sample No: 00113002-04
Date Received: 11/30/2000
Sample Matrix: Soil

Analytical Method: EPA 8151A (s)
Extraction Method: EPA 8151A
Date Extracted: 12/11/2000
Date Completed: 12/14/2000
Surrogate: DCAA
Surrogate Level: 0.2 ppm
Recovery: 84.8%

Date: 12/15/00 Signed: Donald A. Peterson, Laboratory Director

Environmental Micro Analysis, Inc. ELAP Certificate #2211
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Woodland, CA 95776

Phone: (530) 666-6890 Fax: (530) 666-2987
e-mail: emalab@yolo.com website: www.emalab.com

Analytical Report

December 15, 2000

Client: Tracy Babjar
Curtis & Tompkins
2323 Fifth Street
Berkeley, CA 94710
Telephone: (510) 486-0900
Fax: (510) 486-0532

Analyte	Amount ppm	MRL ppm
2, 4 - D	ND	.05
2, 4 -DB	ND	.05
2, 4, 5 - T	ND	.05
2, 4, 5 -TP	ND	.05
Dalapon	ND	.1
Dicamba	ND	.05
Dichloroprop	ND	.05
Dinoseb	ND	.05

Project No: 148898

PO No:

Client Sample ID:

Sample Date:
EMA Sample No: 00113002-00
Date Received: 11/30/2000
Sample Matrix: Blank

Analytical Method: EPA 8151A (s)
Extraction Method: EPA 8151A
Date Extracted: 12/11/2000
Date Completed: 12/14/2000
Surrogate: DCAA
Surrogate Level: 0.2 ppm
Recovery: 101%

Date: 12/15/00 Signed: Donald A. Patel, Laboratory Director

Environmental Micro Analysis, Inc.

40 N. East Street, Suite B, Woodland, CA 95776
Phone: (530) 666-6890 Fax (530) 666-2987
E-Mail emalab@yolo.com Website: www.emalab.com
California State Certification #2211

QUALITY CONTROL REPORT

Client: Tracy Babjar
Curtis & Tompkins
2323 Fifth Street
Berkeley , CA 94710

EMA Data Set: 00113002

Date Analyzed: 12/14/2000

Sample Spiked: 00121106-01

Matrix: Soil

Test: EPA 8151A (s)

Spike Compound	Spike Level	Units	Recovery in Percent Spike	Recovery in Percent Duplicate
2,4-D	.13	ppm	56.3	89.6
2,4,5-TP	.07	ppm	51.8	64.5
2,4,5-T	.07	ppm	51.9	77.0

Calscience
Environmental
Laboratories, Inc.

December 12, 2000

Tracy Babjar
Curtis & Tompkins, Ltd.
2323 Fifth Street
Berkeley, CA 94710

Subject: **Calscience Work Order No.:** **00-12-0387**
Client Reference: **148898**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/11/00 and analyzed in accordance with the attached chain-of-custody.

The results in this analytical report are limited to the samples tested and any reproduction of this report must be made in its entirety.

If you have any questions regarding this report, require sampling supplies or field services, or information on our analytical services, please feel free to call me at (714) 895-5494.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Jody McInerney
Project Manager

William H. Christensen
Quality Assurance Manager

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Curtis & Tompkins, Ltd.	Date Sampled:	11/27/00
2323 Fifth Street	Date Received:	12/11/00
Berkeley, CA 94710	Date Extracted:	12/11/00
	Date Analyzed:	12/11/00
	Work Order No.:	00-12-0387
Attn: Tracy Babjar	Method:	DOHS LUFT
RE: 148898	Page 1 of 1	

All concentrations are reported in mg/L (ppm).

Sample Number	Organic Lead Concentration	Reporting Limit
SB-1-27	ND	0.30
SB-5-24	ND	0.30
Method Blank	ND	0.30

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

Calscience Environmental Laboratories, Inc.

QUALITY ASSURANCE SUMMARY

Flame AA Metals (Aqueous)

Curtis & Tompkins, Ltd.
Page 1 of 1

Work Order No.: 00-12-0387
Date Analyzed: 12/11/00

Matrix Spike/Matrix Spike Duplicate

Sample Spiked: SB-5-24

Analyte	Method	MS%REC	MSD%REC	Control Limits	%RPD	Control Limits
Organic Lead	DHS LUFT	77	77	50 - 130	0	0 - 20

Laboratory Control Sample

Analyte	Method	Conc. Added	Conc. Rec.	%REC	Control Limits
Organic Lead	DHS LUFT	3.130	3.100	99	50 - 130

387

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 ph
(510)486-0532 fx

Project Number: 148898

Subcontract Lab:

Cal Science
7440 Lincoln Way
Garden Grove, CA 92641-1432
(714) 895-5494

Please send report to: Tracy Babjar

Turnaround Time: RUSH 24hour

Report Level: II

Sample ID	Date Sampled	Matrix	Analysis	C&T Lab #
SB-1-27	27-NOV-00	Water	OL	148898-001
SB-5-24	27-NOV-00	Water	OL	148898-002
SB-1-2	27-NOV-00	Soil	8080	148898-003
SB-2-2	27-NOV-00	Soil	8080	148898-007
SB-3-2	27-NOV-00	Soil	8080	148898-011
SB-4-2	27-NOV-00	Soil	8080	148898-015
HA-1-1.5	27-NOV-00	Soil	8080	148898-023
HA-2-0.5	27-NOV-00	Soil	8080	148898-024
HA-3-1.5	27-NOV-00	Soil	8080	148898-025
HA-4-1.5	27-NOV-00	Soil	8080	148898-026
HA-5-1.5	27-NOV-00	Soil	8080	148898-027
HA-6-1.5	27-NOV-00	Soil	8080	148898-028
HA-8-0.5	27-NOV-00	Soil	8080	148898-030

***Please report using Sample ID instead of C&T Lab #.

Notes:	RELINQUISHED BY:	RECEIVED BY:
	Date/Time: 12/2/00	Date/Time: 12-1-00 10:00
	Date/Time:	Date/Time: