Report of the Results of the March and April 2005
Soil and Groundwater Investigation
at the Former Cox Cadillac Property
230 Bay Place
Oakland, California
(Fuel Leak Case No. RO0000148)

October 20, 2005
001-09171-14

Prepared for
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312-853-0070
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October 11, 2005

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached proposal or report is true to the best of my knowledge

By: Bond Capital Investors, LLC, its Member

By: Bond Investment Company, LLC, its Manager

By:_____
Robert J. Bond, a Manager

LFR
LEVINE • FRICKE

October 20, 2005

001-09171-14

Mr. Don Hwang
Hazardous Materials Specialist
Local Oversight Program
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: Report of the Results of the March and April 2005 Soil and Groundwater Investigation at the Former Cox Cadillac Property, 230 Bay Place, Oakland, California (Fuel Leak Case No. RO0000148)

Dear Mr. Hwang:

On behalf of Bond CC Oakland, LLC, LFR Levine·Fricke (LFR) has prepared this report of the March and April 2005 soil and groundwater investigation at the former Cox Cadillac property located at 230 Bay Place in Oakland, California ("the Site"). The investigation was conducted in accordance with the "Work Plan to Conduct Additional Soil and Grab Groundwater Sampling Former Cox Cadillac Property 230 Bay Place Oakland, California," dated October 28, 2004 ("the Work Plan").

A summary of the historical data was previously presented in the report prepared by LFR entitled "Revised Report of the Results of the March and April 2004 Soil and Groundwater Investigation at the Former Cox Cadillac Property, 230 Bay Place, Oakland, California (Fuel Leak Case No. RO0000148)," dated December 2, 2004. This report focuses on the data that were collected in accordance with the Work Plan.

If you have any questions or comments, please call me at telephone number (510) 596-9536.

Sincerely,

Charles H. Pardini, P.G.
Principal Geologist
Assistant Operations Manager

Enclosure

cc: Robert Bond, Bond CC Oakland, LLC
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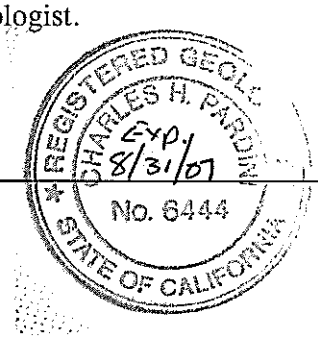
CERTIFICATION

All hydrogeologic and geologic information, conclusions, and recommendations in this document have been prepared under the supervision of and reviewed by an LFR Levine·Fricke California Professional Geologist.



Charles H. Pardini
Principal Geologist
California Professional Geologist (6444)

10/22/05
Date

1.0 INTRODUCTION

1.1 Purpose of the Report

LFR Levine·Fricke (LFR), on behalf of Bond CC Oakland, LLC, has prepared this report, which summarizes the results of environmental investigations performed in March and April 2005 at the former Cox Cadillac property located at 230 Bay Place in Oakland, California ("the Site"; Figures 1 and 2). This investigation was conducted in accordance with the "Work Plan to Conduct Additional Soil and Grab Groundwater Sampling Former Cox Cadillac Property 230 Bay Place Oakland, California," dated October 28, 2004 ("the Work Plan"). The scope of work presented in the Work Plan was conducted in order to comply with the recommendations that were provided in "Revised Report of the Results of the March and April 2004 Soil and Groundwater Investigation at the Former Cox Cadillac Property, 230 Bay Place, Oakland, California (Fuel Leak Case No. RO0000148)," prepared by LFR and dated December 2, 2004.

The general objectives of the scope of were:

- to further assess the vertical extent of petroleum-affected soil and groundwater in the vicinity of the former waste oil and gasoline underground storage tanks (USTs) formerly located at the Site; and
- to further assess the soil and groundwater quality in the utility corridor, which contains underground utilities (gas, electrical, telephone, sanitary sewer lines, and a storm drain) beneath the street at Bay Place.

1.2 Background

The Site was formerly occupied by Cox Cadillac and was used for automobile sales and service. A portion of the facility was formerly used as a sales showroom and offices, while the remainder was formerly used for automobile storage, bodywork, painting, and indoor service.

Currently the Site is vacant and is currently being redeveloped into a grocery store; construction activities began in early July 2005.

The site vicinity is primarily residential, commercial, and light-industrial facilities, primarily automobile dealerships and service stations. Single-family and multi-unit residential buildings occupy the property to the northeast and southeast of the Site. The property to the northwest of the Site is occupied by a church and associated school. An auto dealership, auto repair shops, and a service station occupy the properties to the south and west of the Site across Bay Place. The surface topography in the site vicinity slopes gently to the west from Vernon Street to Bay Place.

Total petroleum hydrocarbons (TPH) as gasoline (TPHg); TPH as diesel (TPHd); benzene, toluene, ethylbenzene, and total xylenes (BTEX); and other fuel oxygenates (hereafter referred to as chemicals of potential concern [COPCs]) have been detected in soil and groundwater samples collected at the Site.

LFR prepared the "Revised Corrective Action Plan, Former Cox Cadillac Property, 230 Bay Place, Oakland, California" (LFR 2004), along with two addenda, dated September 15, 2004 and October 1, 2004 ("the RCAP"). The RCAP presents a description and evaluation of the corrective actions that are to be implemented to reduce the concentrations of the COPCs that have been detected in the soil and groundwater at the Site. The interim remedial actions described in the RCAP and the addenda were approved by the Alameda County Health Services Agency (ACHSA) in a letter dated October 6, 2004. The proposed interim remedial actions comprise the following:

- Excavation and Off-Site Disposal of Petroleum-Affected Soil and Groundwater: This interim remedial measure will include excavating affected soils in the former UST, piping, and dispenser locations (Figure 2). The anticipated maximum depth of this excavation will likely range from between approximately 8 and 12 feet below ground surface (bgs). In addition, affected groundwater will be pumped from the open excavation. The affected soil and groundwater removed from the excavation will be disposed of off site. The excavation will be backfilled with imported fill material.
- Periodic Groundwater Monitoring: This task will include continued performance of periodic groundwater monitoring following completion of the excavation activities.

The soil and groundwater cleanup goals for each COPC are presented below.

Soil and Groundwater Cleanup Levels and Cleanup Goals

COPCs	Soil Cleanup Level and Cleanup Goal (mg/kg)	Groundwater Cleanup Level and Cleanup Goal (µg/l)
TPHg	100	100
TPHd	100	100
benzene	0.044	1.0
toluene	2.9	40
ethylbenzene	3.3	30
xylenes	1.5	13
MTBE	0.023	5.0
EDB	0.00033	0.05
EDC; 1,2-DCA	0.0045	0.5

COPCs	Soil Cleanup Level and Cleanup Goal (mg/kg)	Groundwater Cleanup Level and Cleanup Goal (µg/l)
TAME	0.023 *	5.0 *
ETBE	0.023 *	5.0 *
DIPE	0.023 *	5.0 *
TBA	0.073	12.0

Notes:
mg/kg = milligrams per kilogram; µg/l = micrograms per liter;
MTBE = methyl tertiary-butyl ether; EDB = ethylene dibromide; EDC = ethane dichloride;
1,2-DCA = 1,2-dichloroethane; TAME = tertiary amyl methyl ether;
ETBE = ethyl tertiary butyl ether; DIPE = di-isopropyl ether; TBA = tertiary butyl alcohol
* = cleanup goal based on MTBE cleanup goal

1.3 Site Geology and Hydrogeology

The description of the lithology at the Site is derived from previous investigations that were conducted at the Site, and augmented with the lithology encountered during this investigation. Figure 2 illustrates the locations of four cross sections that were developed for the December 2004 report. Figure 3 is a southwest-northeast cross section that has been updated to include the results of soil and groundwater samples that were collected from soil borings SB101, SB102, SB103, SB104, and SB105 during the March 2005 investigation. The other three cross sections that were presented in the December 2004 report were not modified and are not included in this report.

In general, the Site is underlain by clays, silts, and sands. Fill material containing a mixture of brick, concrete, rubble, and gravel is present below the concrete slab in some areas of the Site. In addition, a concrete subfloor is present beneath the southern area of the showroom.

As reported in the December 2004 report, the cross sections were based on borings completed by LFR as well as by others. These cross sections illustrate that the uppermost 4 to 5 feet below the concrete slab or asphalt at the Site consist primarily of sandy or silty clay. However, in the western part of the Site, in an area approximately bounded by borings GF-8 and SB-5, SB-7, GF-5, and EB-2 (Figure 2), fill material is encountered beneath the concrete slab or asphalt. The fill material ranges in thickness from approximately 2 feet (boring B-3), to approximately 7 feet (boring SB-7). The fill consists of concrete, bricks, and other rubble. Another area of the Site where material other than sandy or silty clay is encountered immediately below the concrete slab or asphalt is in the northern part of the Site in the vicinity of borings GF-3 and CPT-4A, where clay is encountered immediately beneath the concrete slab.

Beneath these uppermost intervals, the lithology encountered consists of silty sandy clay, silty clay, clayey silt, and silt to depths ranging from approximately 10 feet bgs (at CPT-4A) to approximately 70 feet bgs (boring CPT-2A; Figure 3). At CPT-4A, the sandy, silty clay interval is approximately 6 feet thick. The maximum thickness of the silt in other portions of the Site is unknown because borings completed at the Site do not penetrate it fully (Figure 3).

Groundwater is first encountered at the Site at approximately 8 to 12 feet bgs and the groundwater rises to a static level of approximately 3 to 5 feet bgs. The shallow groundwater flow direction beneath the Site is to the southwest, with an average hydraulic gradient of approximately 0.05 foot/foot (ETIC 2004).

2.0 SUMMARY OF THE CURRENT REMEDIAL INVESTIGATION

Several soil and groundwater investigations have been conducted at the Site since 1992. The December 2004 report provided a summary of those activities and the results obtained from the previous soil and groundwater investigations that have taken place at the Site.

The Alameda County Health Care Services Agency (ACHCSA) identified some potential data gaps following their review of the December 2004 report. Based on correspondence and conversations with the ACHCSA, the data gaps that posed the greatest constraints on the development of the Site were the following:

- the vertical extent of petroleum hydrocarbons in soil and groundwater near the former waste oil and gasoline USTs had not been fully assessed
- the potential presence of chemicals in the backfill of the utility corridor located in the street beneath Bay Place had not been fully assessed

In order to address these data gaps, LFR conducted a soil and groundwater investigation at the Site in March and April 2005.

2.1 Scope of the Soil and Groundwater Investigation

The scope of the soil and groundwater investigation for the current investigation was presented in LFR's October 28, 2004 work plan as follows:

- Advance three soil borings (SB101, SB102, and SB103) in the vicinity of the former waste oil tank to a depth of approximately 40 feet bgs.
- Advance two soil borings (SB104 and SB105) in the vicinity of the former gasoline UST to a depth of approximately 40 feet bgs.

- Advance two soil borings (SBA and SBB) in the vicinity of the underground utilities located beneath the street in Bay Place to the bottom of the utility corridor to a depth of approximately 8 feet bgs.
- Collect soil and groundwater samples from each boring and at changes in the lithology.
- Submit the soil and groundwater samples for laboratory analysis.
- Prepare this report summarizing the investigation results, and presenting conclusions and recommendations.

The Work Plan was approved by the ACHCSA with some minor comments to the scope of work in a letter to Bond CC Oakland, LLC, dated November 30, 2004. The changes in the scope of work as described in the letter from the ACHCSA were as follows:

- Collect soil samples for analysis at changes in lithology, at the soil-groundwater interface, and where obviously petroleum-affected intervals were observed.
- Collect grab groundwater samples from depth-discrete intervals generally screened 3 to 5 feet in length.
- Collect soil samples and grab groundwater samples from two soil borings to be drilled in the utility corridors soil borings SBA and SBB.

Because two of the soil borings (SB102 and SB103) could not be advanced to 40 feet bgs, two soil borings were advanced using a cone penetration testing (CPT) rig to assess soil and groundwater conditions at these locations. Observations of soil and groundwater conditions were recorded, as were photoionization detector (PID) measurements.

2.2 Sampling Methodology

Soil borings SB101 through SB105 were advanced by Gregg Drilling, (a licensed well drilling contractor) under the supervision of LFR using Geoprobe technology. Each boring was logged by an LFR geologist using the Unified Soil Classification System, and cuttings and samples were field screened for organic compounds using a PID. The PID measurements and descriptions of the soil were recorded on a boring log at the time the borings were advanced.

Soil samples were collected using a dual tube (rod) sampling system. The 2¼-inch-diameter rods were “pushed” into the ground by displacing sediment into a core barrel. Core samples entered through a cutting shoe into an inner liner fitted with a core catcher. The dual tube system was fitted with an acetate liner and the soil was retrieved in the liner as the inner rods were lifted to the surface. The liner was removed from the inner rod and samples were collected by cutting sections of the liner. The ends of the liner were sealed with Teflon sheets and plastic caps.

Grab groundwater samples were collected from the soil borings located near the former USTs using a HydroPunch device. A modified HydroPunch sampler with a retrievable tip and stainless steel screen was used to allow multiple-depth groundwater sampling in the same borehole. The sample tool was pushed to the desired groundwater sampling interval and then withdrawn slightly to expose an inlet screen. A steel bailer was used to collect the grab groundwater samples.

Each soil and groundwater sample retained for analysis was labeled with the sample identification number, the time and date of collection, the analysis requested, and the initials of the sampler. The samples were stored in an ice-chilled cooler and submitted to the laboratory under strict chain-of-custody protocols.

Originally, the soil borings to be drilled near the underground utilities (soil borings SBA and SBB) were to be advanced using an air vacuum excavation system. However, during the field activities, Gregg Drilling informed LFR that soil borings SBA and SBB could be advanced to the required depth using hand-auger equipment. Therefore, in an effort to minimize disturbance in public rights-of-way while still collecting the required soil and groundwater samples, soil borings SBA and SBB were advanced using the hand-auger equipment and soil samples were collected using hand tools that were retained in brass sample liners. The hand tools were washed with laboratory-grade soap and tap water between sampling at each sample location. The use of the hand tools represents a deviation from the scope of work presented in the Work Plan.

Soil borings SB102 and SB103 could not be advanced past approximately 24 and 26 feet bgs, respectively using the Geoprobe drilling system due to refusal. To reach the desired depth for each soil boring (40 feet bgs), two borings were advanced to 40 feet bgs within approximately 5 feet of soil borings SB102 and SB103 using a CPT rig on April 23, 2005. However, no water-yielding sediments were encountered from 26 to 40 feet bgs and, therefore, no additional groundwater samples were collected from these borings. The use of the CPT rig to attempt to collect the groundwater samples represents a deviation from the scope of work presented in the Work Plan.

3.0 ANALYTICAL RESULTS FOR SOIL SAMPLES

Analytical results for the soil samples collected during this investigation are presented in Table 1. Analytical results for the groundwater samples collected during this investigation are presented in Tables 2 and 3. The soil boring locations are illustrated on Figure 2. Copies of the laboratory data sheets and chain-of-custody documents are presented in Appendix B.

3.1 Soil Quality Results in the Vicinity of the Former Waste Oil UST

Soil borings SB101, SB102, and SB103 were located near the former waste oil UST. Six soil samples were collected from soil boring SB101 between approximately 5 and

34 feet bgs. This soil boring was located approximately 35 feet northeast of (upgradient from) the former waste oil UST. Three soil samples were collected from soil boring SB102 and SB103 between the depths of approximately 4 and 18 feet bgs. Soil boring SB102 was located within approximately 10 feet of the former waste oil UST and soil boring SB103 was located approximately 30 feet southeast of the former waste oil UST (Figure 2). The soil samples were analyzed for TPHg, TPHd, BTEX, and fuel oxygenates. The analytical results for each soil sample are presented in Table 1. Analytical results for soil samples collected from soil borings SB101 and SB102 are also presented on cross section D-D' (Figure 3).

Soil Boring SB101. Six soil samples were collected from soil boring SB101 at approximately 5.5, 10.5, 15.5, 20.5, 25.5, and 34.5 feet bgs. None of the soil samples contained concentrations of TPHg, BTEX, or fuel oxygenates above laboratory reporting limits. Low concentrations (less than 10 mg/kg) of TPHd were detected in soil samples collected between approximately 10.5 and 25.5 feet bgs. These concentrations are below the cleanup goals established for this project and will not require any remedial action.

The collection of soil samples from soil boring SB101 followed the scope presented in the Work Plan. Although distinct lithology changes were not identified during drilling, soil samples were collected within the same lithologic intervals at approximately 7.0 feet bgs, 10.5 feet bgs, 15.5 feet bgs, 20.5 feet bgs, 25.5 feet bgs, and 34.5 feet bgs.

Soil Boring SB102. Three soil samples were collected from soil boring SB102 at approximately 6.5, 10.5, and 16 feet bgs. The sample collected at approximately 16 feet bgs contained the highest concentrations of COPCs (Table 1). Each of the three samples contained TPHd at concentrations ranging from 2.6 mg/kg to 21 mg/kg. TPHg was not present above laboratory reporting limits in the sample collected at approximately 6.5 feet bgs and the sample collected at 10.5 feet bgs contained TPHg at 1.8 mg/kg. The samples collected at approximately 6.5 and 10.5 feet bgs did not contain BTEX above laboratory reporting limits. The sample collected at approximately 16 feet bgs contained TPHg, toluene, ethylbenzene, and total xylenes at 800 mg/kg, 5.1 mg/kg, 7.6 mg/kg, and 119 mg/kg, respectively. The presence of these COPCs in the deeper soil samples is likely due to the presence of these COPCs in the groundwater that is encountered at approximately 12 feet bgs in this portion of the Site.

The collection of soil samples from soil boring SB102 slightly deviated from the scope of work presented in the Work Plan. One sample of fill material was collected at approximately 6.5 feet bgs. Two soil samples were collected at approximately 10.5 feet bgs and approximately 16.0 feet bgs within an interval described as sandy silt and clayey silt. This interval was observed to be present from approximately 8 to 16.5 feet bgs.

The initial location for soil boring SB102 could not be advanced beyond approximately 16.5 feet bgs using the Geoprobe rig. Therefore, another soil boring was drilled (using

the Geoprobe rig) approximately 2 feet southwest of the initial location and was advanced to approximately 24 feet bgs for the purpose of collecting grab groundwater samples. This soil boring could not be advanced past approximately 24 feet bgs. To investigate soil and groundwater quality in this area of the Site to the desired depth of 40 feet bgs, a soil boring was advanced (to 40 feet bgs) within approximately 5 feet of soil borings SB102 using a CPT rig. Based on the log for the CPT boring, the lithology encountered from approximately 7 feet to 40 feet bgs consisted of silty clay and clayey silt. Therefore, no additional soil samples were collected and the soil samples collected at approximately 6.5 feet bgs, 10.5 feet bgs, and approximately 16 feet bgs adequately characterize soil quality at this portion of the Site.

Soil Boring SB103. Three soil samples were collected from soil boring SB103 at approximately 4, 15.5, and 18 feet bgs. The soil samples collected at approximately 4 and 15.5 feet bgs did not contain concentrations of TPHg, BTEX, or fuel oxygenates above laboratory reporting limits. TPHd was present at 2.4 mg/kg and 77 mg/kg in the soil samples collected at 4 and 18 feet bgs, respectively. TPHg, benzene, ethylbenzene, and total xylenes were present at concentrations of 240 mg/kg, 0.13 mg/kg, 0.37 mg/kg, and 0.95 mg/kg, respectively. The presence of these COPCs in the deeper soil samples is likely due to the presence of these COPCs in the groundwater that is encountered at approximately 12 feet bgs in this portion of the Site.

The collection of soil samples from soil boring SB103 slightly deviated from the scope of work presented in the Work Plan. One sample of fill material was collected at approximately 4 feet bgs. Two soil samples were collected approximately 15.5 feet bgs and approximately 18 feet bgs within an interval described as sandy silt and clayey silt. This interval was encountered from approximately 8 to 26 feet bgs.

The initial location for soil boring SB103 could not be advanced beyond approximately 26 feet bgs using the Geoprobe rig. To investigate soil and groundwater quality in this area of the Site to the desired depth of 40 feet bgs, a soil boring was advanced (to 40 feet bgs) within approximately 5 feet of soil boring SB103 using a CPT rig. Based on the log for the CPT boring, the soil type from approximately 5 feet to 40 feet bgs consisted of silty clay and clayey silt, which was very similar to the CPT soil boring for SB102. Therefore, no additional soil samples were collected and the soil samples collected at approximately 4 feet bgs, 15.5 feet bgs, and 18 feet bgs adequately characterize soil quality at this portion of the Site.

3.2 Soil Quality Results in the Vicinity of the Former Gasoline UST

Soil borings SB104 and SB105 were located near the former gasoline UST. Three soil samples were collected from soil boring SB104 between the depths of approximately 14.5 and 26 feet bgs. Soil boring SB104 was located within the limits of the excavation of the former gasoline UST (Figure 2). Three soil samples were collected from soil boring SB105 between the depths of approximately 7.5 and 20 feet bgs. Soil boring SB105 was located within approximately 10 feet southwest of the former gasoline UST

(Figure 2). The soil samples were analyzed for TPHg, TPHd, BTEX, and fuel oxygenates. The analytical results for each soil sample are presented in Table 1 and on cross-section D-D' (Figure 3).

Soil Boring 104. Three soil samples were collected from soil boring SB104 at approximately 14.5, 20, and 26 feet bgs. The soil samples collected at approximately 20 and 26 feet bgs did not contain concentrations of TPHd, TPHg, BTEX, or fuel oxygenates above laboratory reporting limits. The soil sample collected at approximately 14.5 feet bgs contained TPHg (16 mg/kg), benzene (0.430 mg/kg), ethylbenzene (0.049 mg/kg), and total xylenes (0.057 mg/kg). Toluene or fuel oxygenates were not present above laboratory reporting limits in this sample.

The collection of soil samples from soil boring SB104 slightly deviated from the scope of work presented in the Work Plan. Soil boring SB104 was drilled where the former UST was located. The material encountered from the ground surface to approximately 9 feet bgs consisted of fill material that was used to backfill the former location of the UST. A sample of this imported material was not collected. Three soil samples were collected approximately 14.5 feet bgs, 20 feet bgs, and 26 feet bgs within an interval described as sandy silt and clayey silt. This interval was encountered from approximately 9 to 26 feet bgs.

Soil boring SB104 could not be advanced beyond approximately 26 feet bgs using the dual tube soil sampling method that is equipped with the Geoprobe rig. To investigate soil and groundwater quality in this area of the Site to the desired depth of 40 feet bgs, the soil boring was advanced to 40 feet bgs using the single tube sampling method. Based on the logs for the CPT borings drilled at the Site, the lithology encountered is sandy silt and clayey silt from approximately 5 feet to 40 feet bgs. Therefore, the soil samples collected at approximately 14.5 feet bgs, 20 feet bgs, and 26 feet bgs adequately characterize soil quality at this portion of the Site.

Soil Boring 105. Three soil samples were collected from soil boring SB105 at approximately 7.5, 15.5, and 20 feet bgs. The soil samples collected at approximately 15.5 and 20 feet bgs did not contain concentrations of TPHd, TPHg, BTEX, or fuel oxygenates above laboratory reporting limits. The soil sample collected at approximately 7.5 feet bgs contained TPHd (1.3 mg/kg), TPHg (7.9 mg/kg), benzene (0.240 mg/kg), toluene (0.100 mg/kg), ethylbenzene (0.130 mg/kg), total xylenes (0.291 mg/kg), and tert-butyl alcohol at (0.049 mg/kg; an estimated concentration).

The collection of soil samples from soil boring SB105 slightly deviated from the scope of work presented in the Work Plan. Soil boring SB105 was drilled approximately 10 feet southwest of where the former UST was located. Three soil samples were collected at approximately 7.5 feet bgs, 15.5 feet bgs, and 20.0 feet bgs within an interval described in the field as interbedded intervals (1 to 3 feet thick) of sandy silt, clayey silt, and silty sand.

Soil boring SB105 could not be advanced beyond approximately 20 feet bgs using the dual tube soil sampling method that is equipped with the Geoprobe rig. To investigate soil and groundwater quality in this area of the Site to the desired depth of 40 feet bgs, the soil boring was advanced to 40 feet bgs using the single tube sampling method. Based on the logs for the CPT borings drilled at the Site, the lithology encountered is sandy silt and clayey silt from approximately 9 feet to 40 feet bgs. Therefore, the soil samples collected at approximately 8 feet bgs, 15.5 feet bgs, and 20 feet bgs adequately characterize soil quality at this portion of the Site.

3.3 Soil Quality Results in the Underground Utility Corridor

Two soil borings, SBA and SBB, were drilled in the underground utility corridor in the street beneath Bay Place. Two soil samples were collected from soil boring SBA at depths of approximately 3.5 and 8 feet bgs. Soil boring SBA was located within the limits of the backfill for the storm drain located in the street beneath Bay Place (Figure 2). One soil sample was collected from soil boring SBB from a depth of approximately 7.5 feet bgs. Soil boring SBB was located within the limits of the backfill for the sanitary sewer located in the street beneath Bay Place. The soil samples were analyzed for TPHg, TPHd, BTEX, and fuel oxygenates. The analytical results for each soil sample are presented in Table 1.

TPHd was detected at concentrations of 24 mg/kg and 2.3 mg/kg in the soil samples collected from soil boring SBA from the depths of approximately 3.5 and 8 feet bgs, respectively. The other compounds were not present above laboratory reporting limits in the two samples collected from soil boring SBA. No compounds were present above laboratory reporting limits in the soil sample collected from soil boring SBB.

The collection of soil samples from soil borings SBA and SBB slightly deviated from the scope of work presented in the Work Plan. Originally, these soil borings were to be advanced using an air vacuum excavation system. However, based on observations made during hand augering the initial 3 to 5 feet at each soil boring, the borings were advanced to their desired depth using hand augering equipment. The use of hand augering equipment resulted in less disturbance in the public rights-of-way while still collecting the required soil samples.

A soil sample was collected from soil boring SBA at approximately 3.5 feet bgs and 8 feet bgs within an interval described in the field as sandy silt. The collection of these soil samples is consistent with the scope of work provided in the Work Plan and represents the soil quality in the vicinity of the underground utilities in this area of the Site.

Soil samples were collected from soil boring SBB at approximately 7.5 feet bgs within an interval described in the field as clayey silt. The collection of this soil sample is consistent with the scope of work provided in the Work Plan and adequately

characterizes soil quality in the vicinity of the underground utilities in this area of the Site.

These concentrations are below the cleanup goals established for COPCs in soil for this project and will not require any remedial action.

4.0 ANALYTICAL RESULTS FOR GRAB GROUNDWATER SAMPLES

LFR collected seven grab groundwater samples in March 2005 from the three soil borings located near the former waste oil UST; two grab groundwater samples (one sample each) from the two soil borings located near the former gasoline UST; and two grab groundwater samples (one sample each) from the two soil borings located near the underground utilities located beneath Bay Place. The soil boring locations are illustrated on Figure 2. The grab groundwater samples were analyzed for TPHg, TPHd, BTEX, and fuel oxygenates. Analytical results for the groundwater samples collected during this investigation are presented in Tables 2 and 3 and on Figures 4, 5, 6, and 7. Copies of the laboratory data sheets and chain-of-custody documents are presented in Appendix B.

4.1 Groundwater Quality Results in the Vicinity of the Former Waste Oil UST

Soil Boring SB101. One groundwater sample was collected from soil boring SB101 at approximately 28 feet bgs. This sample did not contain concentrations of TPHd, TPHg, BTEX, or fuel oxygenates above laboratory reporting limits.

The collection of one groundwater sample (approximately 28 feet bgs) from soil boring SB101 deviated slightly from the scope of work presented in the Work Plan, as this was the only interval along the total length of this boring from which groundwater could be collected, and the soil boring could only be advanced to approximately 34 feet bgs.

Soil Boring SB102. Three groundwater samples were collected from soil boring SB102 at approximately 12, 16 and 24 feet bgs. Each of the three samples contained TPHd at concentrations ranging from 1,400 μg/l to 11,000 μg/l. The groundwater sample collected at approximately 12 feet bgs from soil boring SB102 contained TPHg, TPHd, BTEX, and 1,2-DCA at concentrations two to three times lower than the concentrations detected in the samples collected at 16 and 24 feet bgs (Table 2). Concentrations of TPHg, TPHd, and BTEX in the groundwater samples collected at 16 and 24 feet bgs from soil boring SB102 were relatively consistent, suggesting that the two depth intervals from which the samples were collected are in hydraulic communication.

The collection of three groundwater samples (at approximately 12, 16, and 24 feet bgs) from soil boring SB102 followed the scope of work presented in the Work Plan as

these were the only intervals along the total length of the boring from which groundwater could be collected. As stated, this soil boring could only be advanced to 24 feet using the Geoprobe rig. A CPT rig was used to advance a soil boring near SB102 to approximately 40 feet bgs. However, the sediments below approximately 24 feet bgs did not produce groundwater, and therefore no additional groundwater samples were collected.

Soil Boring SB103. Three groundwater samples were collected from soil boring SB103 at approximately 14, 18, and 26 feet bgs. The groundwater sample collected at approximately 14 feet bgs did not contain concentrations of TPHg or BTEX above laboratory reporting limits. TPHd was present in each groundwater sample at concentrations ranging from 700 µg/l to 1,600 µg/l. TPHg was detected above its laboratory reporting limit in the samples collected at 18 feet and 26 feet bgs at concentrations of 95,000 µg/l and 14,000 µg/l, respectively. BTEX was detected above its laboratory reporting limit in the two samples collected at approximately 18 and 26 feet bgs. The sample collected at approximately 18 feet bgs contained BTEX compounds at concentrations one to two orders of magnitude higher than the concentrations detected in the sample collected at approximately 26 feet bgs (Table 2).

The collection of three groundwater samples (approximately 14, 18, and 26 feet bgs) from soil boring SB103 followed the scope of work presented in the Work Plan, as these were the only intervals along the total length of the boring from which groundwater could be collected. This soil boring could only be advanced to 26 feet using the Geoprobe rig. A CPT rig was used to advance a soil boring near SB103 to approximately 40 feet bgs. However, the soil below approximately 26 feet bgs did not produce groundwater, and therefore no additional groundwater samples were collected.

The analysis results for the samples collected from borings SB102 and SB103 indicate that the source of the affected groundwater is likely the former USTs that were located in this area of the Site. The proposed excavation of soil in this area of the Site will likely reduce the concentrations of COPCs detected in groundwater over time.

4.2 Groundwater Quality Results in the Vicinity of the Former Gasoline UST

Soil borings SB104 and SB105 were located near the former gasoline UST. One groundwater sample was collected from soil boring SB104 and SB105 at a depth of approximately 8 feet bgs, and one was collected from soil boring SB105 at a depth of approximately 12 feet bgs. These were the only water-yielding intervals encountered during the drilling of these two soil borings. The analytical results for each groundwater sample are presented in Tables 2 and 3 and on Figures 3, 4, 5, 6, and 7.

The groundwater sample collected from soil boring SB104 did not contain concentrations of TPHg or BTEX above laboratory reporting limits. TPHd was present in the groundwater samples collected from soil borings SB104 and SB105 at

concentrations of 540 µg/l and 8,500 µg/l, respectively. TPHd was detected in the sample collected from SB105 at 74,000 µg/l, and BTEX compounds were detected at concentrations of 1,200 µg/l, 2,900 µg/l, 1,800 µg/l, and 4,700 µg/l, respectively. Each of these soil borings was advanced to approximately 40 feet bgs; however water-yielding sediments were not encountered below 8 feet bgs in soil boring SB104 or below 12 feet bgs in soil boring SB105, and therefore no additional groundwater samples were collected from these soil borings.

The analysis results for the samples collected from borings SB104 and SB105 indicate that the source of the affected groundwater is likely the former USTs that were located in this area of the Site. The proposed excavation of soil in this area of the Site will likely reduce the concentrations of COPCs detected in groundwater over time.

4.3 Groundwater Quality Results in the Vicinity of the Underground Utility Corridors

Two soil borings, SBA and SBB, were drilled near the underground utility corridors in the street beneath Bay Place. Groundwater samples were collected from soil borings SBA and SBB at depths of approximately 8 and 9 feet bgs, respectively. The analytical results for each groundwater sample are presented in Tables 2 and 3 and on Figures 3, 4, 5, 6, and 7. The grab groundwater sample collection method for these samples deviated from the scope of work presented in the Work Plan. The scope of work in the Work Plan indicated that temporary wells would be installed at these locations to allow for the groundwater to stabilize for 24 hours prior to sampling and reduce the volatilization that may have occurred during the vacuum excavation. As presented in Section 2.2, these soil borings were advanced using hand-auger equipment. Therefore, there was no need to install the temporary wells to allow the groundwater to stabilize, and the groundwater samples were collected from the boring the same day.

The groundwater sample collected from soil boring SBB did not contain concentrations of TPHg, BTEX, or fuel oxygenates above laboratory reporting limits. TPHd was present in the groundwater samples collected from soil borings SBA and SBB at concentrations of 2,700 µg/l and 2,300 µg/l, respectively. TPHg and benzene were detected in the samples collected from SBA at 2,300 µg/l and 6.7 µg/l, respectively.

5.0 NATURE AND EXTENT OF CONTAMINATION

The evaluation of the nature and extent of the contamination in soil and groundwater at the Site is based on the results of LFR's investigations, and a review of the data collected during investigations conducted by others. LFR's evaluation of the nature and extent of the contamination in soil and groundwater at the Site is presented below.

5.1 Constituents in Soil

Evaluation of soil data collected during recent and previous investigations conducted at the Site indicates that vadose-zone soil containing concentrations of COPCs higher than the approved cleanup levels is present in the vicinity of the former UST locations.

The elevated concentrations of TPH and related compounds detected in samples collected deeper than 12 feet bgs during the recent investigation are likely caused by affected groundwater. The concentrations of fuel-related compounds in soil will likely be reduced when the proposed excavation activities take place at the Site. Confirmation samples collected during the excavation activities will assist in assessing the lateral and vertical extent of COPCs at concentrations higher than the approved cleanup levels.

5.2 Constituents in Groundwater

Results of recent groundwater monitoring events and the results of grab groundwater samples have been used to evaluate the nature and extent of constituents in groundwater at the Site. Groundwater monitoring wells MW-1 and MW-2 were completed at a depth of approximately 20 feet bgs and are screened between 5 feet and 20 feet (Figure 3). Wells TW-2 and TW-4 through TW-7 were completed at depths between approximately 8 feet and 10 feet and are screened between approximately 3 and 10 feet bgs. The grab groundwater samples have been collected at depths ranging from approximately 6 to 26 feet bgs.

TPHg, BTEX, and MTBE, and other fuel oxygenates have been detected in the groundwater at the Site. Figures 5, 6, and 7 illustrate the estimated lateral extent of TPHg, benzene, and MTBE at the Site based on November 2003, January 2004, March 2004, and March 2005 groundwater data, respectively.

Evaluation of groundwater sampling data indicates that petroleum hydrocarbon-affected groundwater is present in the vicinity of the former waste oil tank and the former gasoline UST (including its associated piping and dispenser). The highest concentration of TPHg (970,000 μg/l) was detected in a grab groundwater sample collected at approximately 7 feet bgs from soil boring SB2, which was adjacent to the former waste oil UST. In addition, elevated concentrations of TPHg (95,000 μg/l and 14,000 μg/l) were also detected in the grab groundwater samples collected at approximately 18 and 26 feet bgs from soil boring SB103, which is located approximately 30 feet south-southwest of the former waste oil UST.

Elevated concentrations of TPHd have also been detected in some grab groundwater samples collected at the Site. However, based on the laboratory's review of the chromatograms for each of the samples that contained detectable concentrations of TPHd, the diesel fuel did not match the laboratory standard and contained "lighter and heavier" hydrocarbons. The presence of these "lighter and heavier" hydrocarbons is likely due to the degradation of the gasoline and waste oil that was released at the Site.

The lateral and vertical extent of COPCs in groundwater near the former USTs has been adequately assessed in the following directions and to the following depths:

- North by the absence of COPC (or detection below cleanup levels) in grab groundwater samples collected from soil borings SB-4 and SB-6. These grab groundwater samples were collected from depths between approximately 6 and 9 feet bgs.
- East by the absence of COPCs in grab groundwater samples GP8, GP9, and SB101, and in sample(s) collected from well TW-3. These grab groundwater samples were collected from depths between approximately 14 and 28 feet bgs, and the sample collected from well TW3 was collected from a depth of approximately 7 feet bgs.
- West by the absence of COPC in grab groundwater samples UB-1, SB-8, and SBB that were collected from depths between approximately 9 and 10 feet bgs.
- The lateral extent of COPCs in groundwater near the former USTs has not been adequately assessed south or northwest of the former UST area. COPCs have not been detected above laboratory reporting limits in groundwater samples collected from well TW-6 (completed approximately 7 feet bgs) located south of the former gasoline UST. However, grab groundwater samples collected at approximately 18 and 26 feet bgs from soil boring SB103 have contained elevated concentrations of TPH and related compounds.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The results of recent and historical soil investigations at the Site indicate the following:

- the interim remedial actions described in the RCAP, and its addenda, are appropriate and will be effective in reducing concentrations of COPCs present in soil and groundwater at the Site
- the lateral and vertical extent of petroleum-affected soil has been adequately assessed in most areas of the Site; confirmation samples collected during the excavation activities will provide additional data concerning the extent of petroleum-affected soil
- the lateral and vertical extent of petroleum-affected groundwater has been adequately assessed in most areas of the Site;
- further investigation may be warranted to more fully assess groundwater quality in two areas of the Site

LFR proposes to collect grab groundwater samples at two locations south-southeast of the former UST locations, and at one location northwest of former soil boring UB-2 (Figure 8). It is recommended that grab groundwater samples be collected from the two borings south of the former UST locations in a similar fashion as those groundwater

samples collected during these investigations, to a depth of approximately 40 feet. It is recommended that a grab groundwater sample be collected from the boring northwest of former soil boring UB-2 in a similar fashion as those groundwater samples collected in the utility corridor backfill during this investigation. However, we recommend delaying collecting these grab groundwater samples until the construction work at the Site is at a stage at which conducting the investigation does not interfere with the development.

Based on the groundwater-quality results from these proposed grab groundwater samples, groundwater monitoring wells may be constructed after the Site has been redeveloped. If necessary, these wells would be located in areas of the Site that will be accessible for inclusion in the groundwater monitoring program to be proposed for this Site.

It is likely that implementing the interim remedial measure of excavating affected soil and pumping groundwater that enters the excavation as described in the RCAP will remove a substantial amount of the source of the petroleum and related compounds present in the groundwater, and will likely reduce the concentrations of the COPCs in groundwater over time.

7.0 REFERENCES

ETIC Engineering (ETIC). 2004. First Quarter 2004 Groundwater Monitoring Report, Former Cox Cadillac Fuel Lead Case No. RO0000148, 230 Bay Place, Oakland, California. March 17.

LFR Levine·Fricke (LFR). 2000. Summary and Recommendations for the Former Cox Cadillac Property, 230 Bay Place, Oakland, California. Draft Letter. July 17.

———. 2004. Revised Corrective Action Plan, Former Cox Cadillac Property, 230 Bay Place, Oakland, California. June 4.

Table 1
Results for Petroleum and Fuel Oxygenates Analyses
for Soil Samples Collected
at the Former Cox Cadillac Facility
Located at 230 Bay Place in Oakland, California
concentrations in milligrams per kilogram (mg/kg)

Sample ID	Notes	Date	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylenes	Methyl Tertiary-butyl Ether
Soil Samples Collected Near Former Waste Oil UST										
SB-101-5-5.5'		17-Mar-05	<0.99	<0.97	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
SB-101-10-10.5'		17-Mar-05	1.3 Y	<1.1	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045
SB-101-15-15.5'		17-Mar-05	7.9 Y Z	<1.0	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045
SB-101-20-20.5'		17-Mar-05	5.0 Y Z	<1.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
SB-101-25-25.5'		17-Mar-05	6.1 Y	<0.91	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
SB-101-34'		17-Mar-05	<0.99	<0.98	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045
SB-102-6-6.5'	1	17-Mar-05	2.6 Y	<1.1	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049
SB-102-10-10.5'		17-Mar-05	21 H L	1.8 Y	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-102-15.5-16'		17-Mar-05	14 L Y	800	<0.830	5.100	7.600	25.000	94.000	<0.830
SB-103-3.5-4'		17-Mar-05	2.4 Y	<1.1	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045
SB-103-15-15.5'		17-Mar-05	<0.99	<1.0	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045
SB-103-17.5-18'		17-Mar-05	77 L Y	240 Y	0.130	<0.130	0.370	0.770	0.180	<0.025
Soil Samples Collected Near Former Gasoline UST										
SB-104-14.0-14.5'		18-Mar-05	<1.0	16 H	0.430	<0.025	0.049	0.057	<0.025	<0.025
SB-104-19.5-20'		18-Mar-05	<0.99	<1.1	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	0.062
SB-104-25.5-26'		18-Mar-05	<0.99	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-105-7-7.5'	2	18-Mar-05	1.3 H Y	7.9 H	0.240	0.100 J	0.130	0.220	0.071	0.160
SB-105-15-15.5'		18-Mar-05	<1.0	<1.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	0.170
SB-105-19.5-20'		18-Mar-05	<0.99	<1.1	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050

Table 1
Results for Petroleum and Fuel Oxygenates Analyses
for Soil Samples Collected
at the Former Cox Cadillac Facility
Located at 230 Bay Place in Oakland, California
concentrations in milligrams per kilogram (mg/kg)

Sample ID	Notes	Date	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylenes	Methyl Tertiary-butyl Ether
Soils Samples Collected Near Utilities										
SB-A-3-3.5'		18-Mar-05	24 H Y	<1.1	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0056
SB-A-8'		18-Mar-05	2.3 H Y	<1.1	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	0.0051
SB-B-7.5'		18-Mar-05	<1.0	<1.1	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047

Notes:

1 - Sample SB-102-6-6.5' contained 1,2-Dichloroethane at 0.0063 mg/kg.

2 - Sample SB-105-7-7.5' contained tert butyl alcohol at 0.049 J mg/kg.

Samples analyzed by Curtis & Tompkins, Ltd.

Volatile organic compounds not reported on this summary table were not detected above the analytical reporting limits.

H = heavier hydrocarbons contributed to the quantification

L = lighter hydrocarbons contributed to the quantification

Y = sample exhibits chromatographic pattern that does not resemble standard

Z = sample exhibits unknown single peak or peaks

J = estimated value

TPHd = total petroleum hydrocarbons as diesel

TPHg = total petroleum hydrocarbons as gasoline

UST = underground storage tank

Table 2
Results for Petroleum and BTEX Analyses
for Groundwater Samples Collected
at the Former Cox Cadillac Facility
Located at 230 Bay Place in Oakland, California
concentrations in micrograms per liter (ug/kg)

Sample ID	Notes	Date	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylenes
Groundwater Samples Collected Near Former Waste Oil UST									
SB-101-28'		17-Mar-05	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
SB-102-12'		17-Mar-05	1,400 H Y	980 Y	2.6	1.7	1.0	1.9	0.62
SB-102-16'		17-Mar-05	10,000 L Y	130,000	14,000	14,000	4,200	12,000	5,000
SB-102-24'		17-Mar-05	11,000 H L Y	93,000	6,400	10,000	2,800	11,000	3,700
SB-103-14'		17-Mar-05	700 H Y	<50	<0.50	<0.50	<0.50	<0.50	<0.50
SB-103-18'		17-Mar-05	1,600 L Y	95,000	3,000	9,100	5,500	17,000	5,600
SB-103-26'		17-Mar-05	1,100 L Y	14,000	30	60	480	1,300	33
Groundwater Samples Collected Near Former Gasoline UST									
SB-104-8'		17-Mar-05	540 H L Y	<50	<0.50	<0.50	<0.50	<0.50	<0.50
SB-105-12'		17-Mar-05	8,500 L Y	74,000	1,200	2,900	1,800	3,700	1,000
Groundwater Samples by LFR Near Utilities									
SB-A-8'		18-Mar-05	2,700 H L Y	2,300 Y	6.7	<5.0	<5.0	<5.0	<5.0
SB-B-9'		18-Mar-05	2,300 H Y	<50	<5.0	<5.0	<5.0	<5.0	<5.0

Notes:

Samples analyzed by Curtis & Tompkins, Ltd.

Volatile organic compounds not reported on this summary table were not detected above the analytical reporting limits.

H = heavier hydrocarbons contributred to the quatification

L = lighter hydrocarbons contributred to the quatification

Y = sample exhibits chromatographic pattern that does not resemble standard

BTEX = benzene, toluene, ethylbenzene, and total xylenes

TPHd = total petroleum hydrocarbons as diesel

TPHg = total petroleum hydrocarbons as gasoline

UST = underground storage tank

Table 3
Results for Fuel Oxygenates Analyses
for Groundwater Samples Collected
at the Former Cox Cadillac Facility
Located at 230 Bay Place in Oakland, California
concentrations in micrograms per liter (ug/kg)

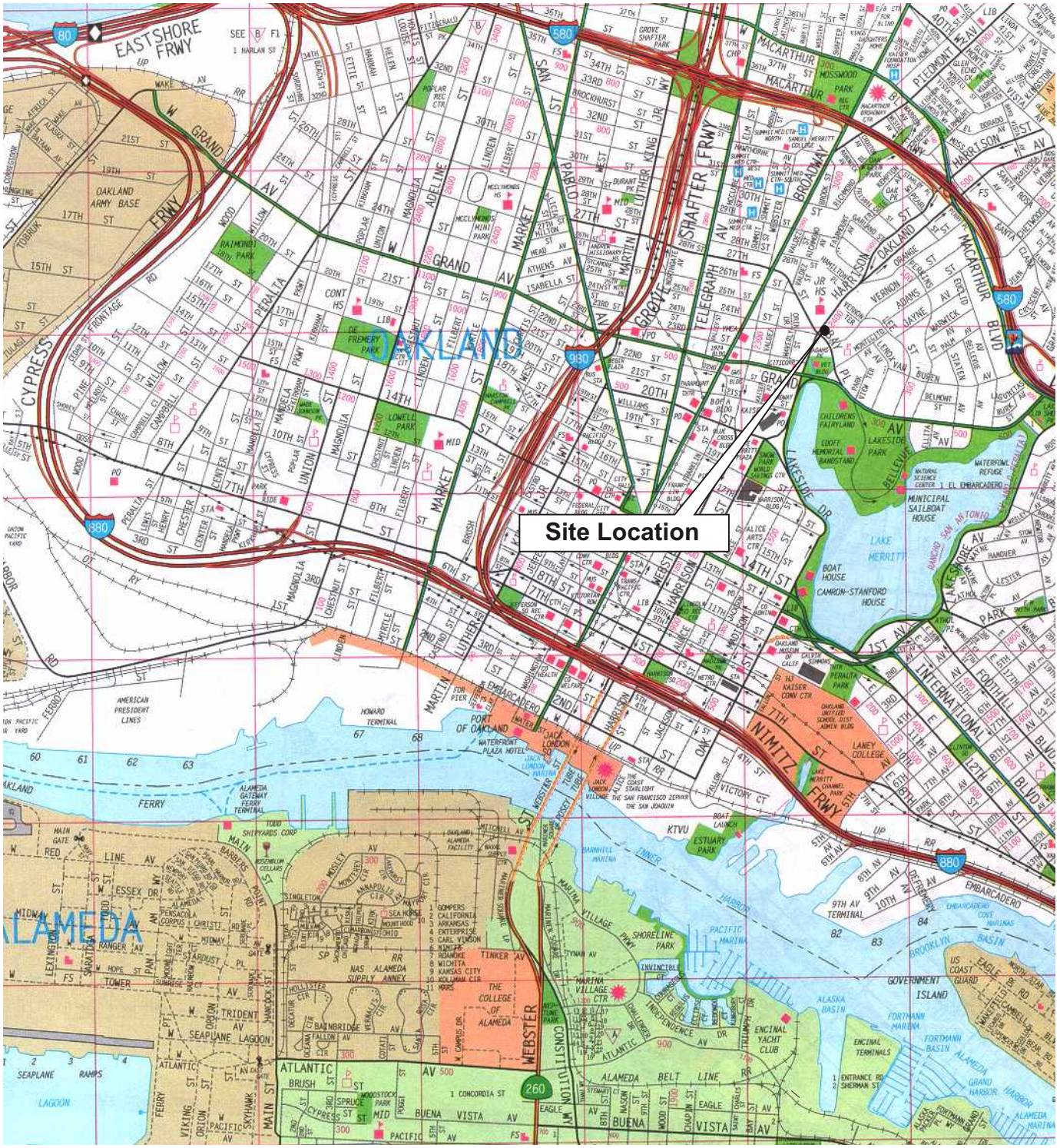
Sample ID	Notes	Date	TBA	MTBE	DIPE	ETBE	1,2-DCA	TAME	1,2-DBA
Groundwater Samples Collected Near Former Waste Oil UST									
SB-101-28'		17-Mar-05	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SB-102-12'		17-Mar-05	<10	<0.50	<0.50	<0.50	3.9	<0.50	<0.50
SB-102-16'		17-Mar-05	<2,000	<100	<100	<100	1,200	<100	360
SB-102-24'		17-Mar-05	<1,300	<63	<63	<63	190	<63	<63
SB-103-14'		17-Mar-05	<10	<0.50	<0.50	<0.50	1.3	<0.50	<0.50
SB-103-18'		17-Mar-05	<1,300	<63	<63	<63	<63	<63	<63
SB-103-26'		17-Mar-05	<33	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Groundwater Samples Collected Near Former Gasoline UST									
SB-104-8'		17-Mar-05	<10	1.9	<0.50	<0.50	<0.50	<0.50	<0.50
SB-105-12'		17-Mar-05	<1,400	4,400	<71	<71	<71	<71	<71
Groundwater Samples Collected Near Utilities									
SB-A-8'		18-Mar-05	<100	1,100	<5.0	<5.0	<5.0	<5.0	<5.0
SB-B-9'		18-Mar-05	26	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Notes:

Samples analyzed by Curtis & Tompkins, Ltd.

Volatile organic compounds not reported on this summary table were not detected above the analytical reporting limits.

TBA = tertiary butyl alcohol
MTBE = methyl tertiary-butyl ether
DIPE = di-isopropyl ether
ETBE = ethyl tertiary butyl ether
1,2-DCA = 1,2-dichloroethane
TAME = tertiary amyl methyl ether
1,2-DBA = 1,2-dibromoethane
UST = underground storage tank



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Site Vicinity Map

Former Cox Cadillac, 230 Bay Place, Oakland, California

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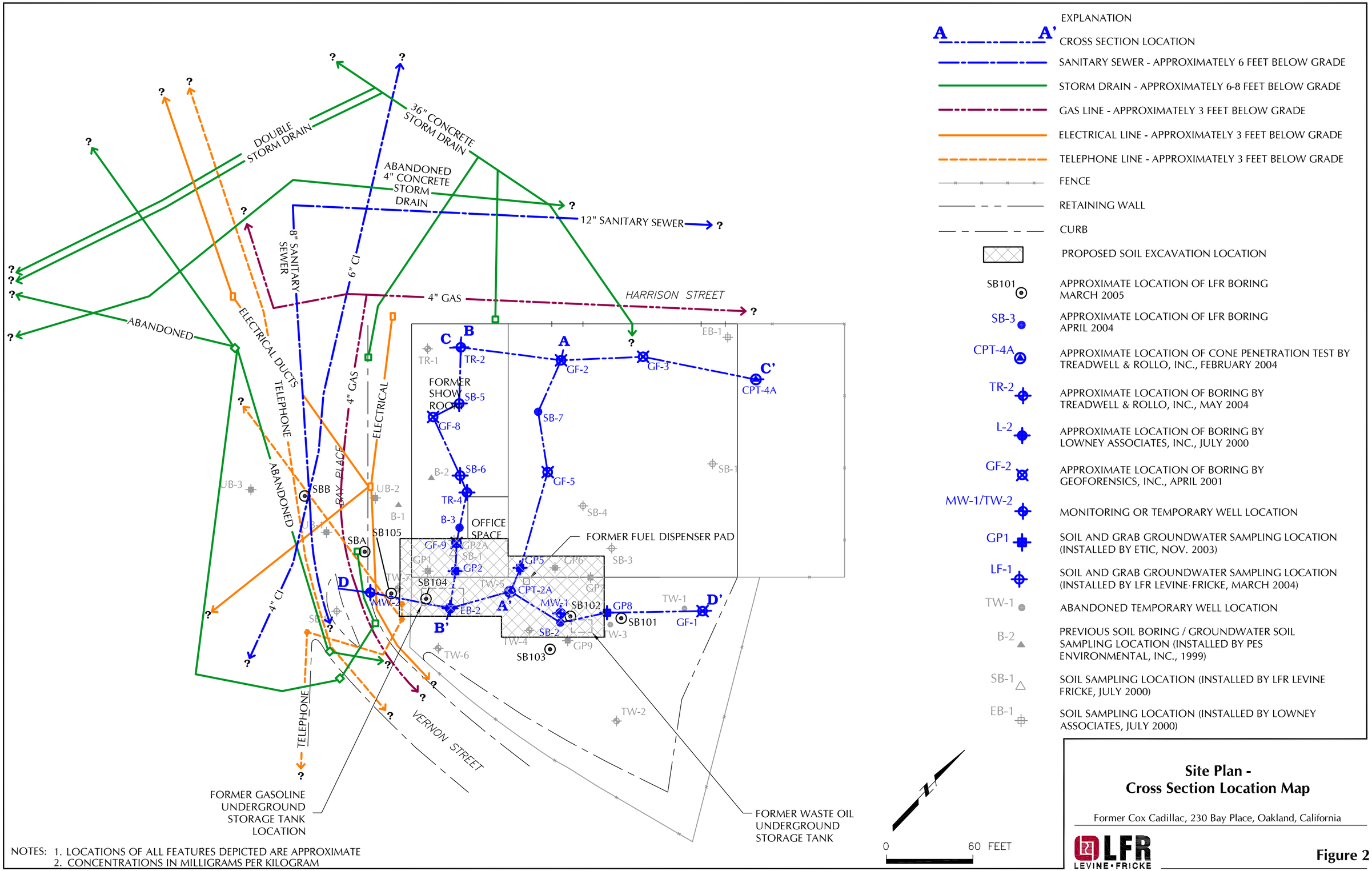
Figure 1



EXPLANATION

- A — A' CROSS SECTION LOCATION
- SANITARY SEWER - APPROXIMATELY 6 FEET BELOW GRADE
- STORM DRAIN - APPROXIMATELY 6-8 FEET BELOW GRADE
- GAS LINE - APPROXIMATELY 3 FEET BELOW GRADE
- ELECTRICAL LINE - APPROXIMATELY 3 FEET BELOW GRADE
- TELEPHONE LINE - APPROXIMATELY 3 FEET BELOW GRADE
- FENCE
- RETAINING WALL
- CURB
- PROPOSED SOIL EXCAVATION LOCATION
- SB101 — APPROXIMATE LOCATION OF LFR BORING MARCH 2005
- SB-3 — APPROXIMATE LOCATION OF LFR BORING APRIL 2004
- CPT-4A — APPROXIMATE LOCATION OF CONE PENETRATION TEST BY TREADWELL & ROLLO, INC., FEBRUARY 2004
- TR-2 — APPROXIMATE LOCATION OF BORING BY TREADWELL & ROLLO, INC., MAY 2004
- L-2 — APPROXIMATE LOCATION OF BORING BY LOWNEY ASSOCIATES, INC., JULY 2000
- GF-2 — APPROXIMATE LOCATION OF BORING BY GEOFORENSICS, INC., APRIL 2001
- MW-1/TW-2 — MONITORING OR TEMPORARY WELL LOCATION
- GP1 — SOIL AND GRAB GROUNDWATER SAMPLING LOCATION (INSTALLED BY ETIC, NOV. 2003)
- LF-1 — SOIL AND GRAB GROUNDWATER SAMPLING LOCATION (INSTALLED BY LFR LEVINE·FRICKE, MARCH 2004)
- TW-1 — ABANDONED TEMPORARY WELL LOCATION
- B-2 — PREVIOUS SOIL BORING / GROUNDWATER SOIL SAMPLING LOCATION (INSTALLED BY PES ENVIRONMENTAL, INC., 1999)
- SB-1 — SOIL SAMPLING LOCATION (INSTALLED BY LFR LEVINE FRICKE, JULY 2000)
- EB-1 — SOIL SAMPLING LOCATION (INSTALLED BY LOWNEY ASSOCIATES, JULY 2000)

NOTES: 1. LOCATIONS OF ALL FEATURES DEPICTED ARE APPROXIMATE
2. CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM

Site Plan - Cross Section Location Map

Former Cox Cadillac, 230 Bay Place, Oakland, California

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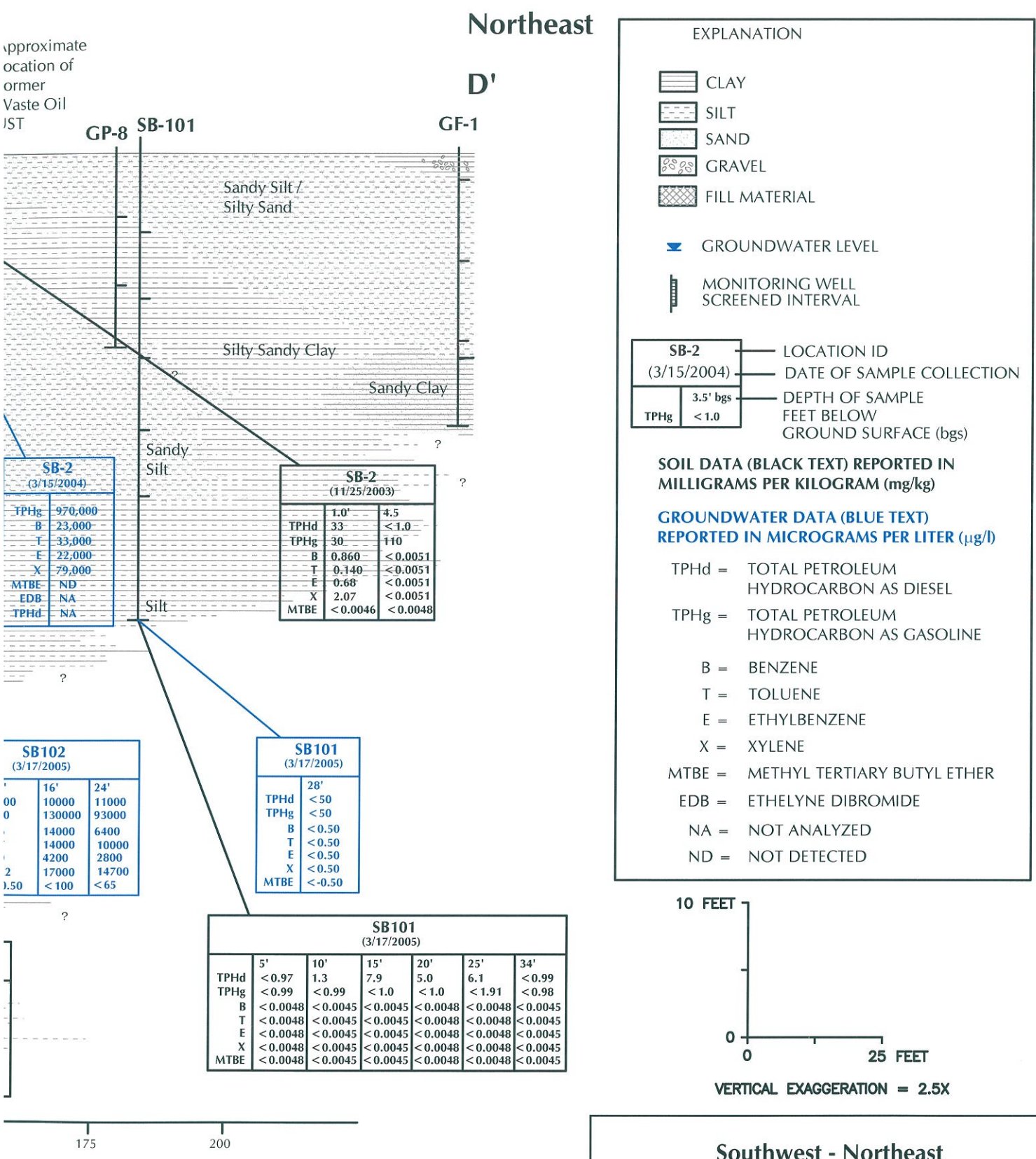
Figure 2

I:\Design\001\09171\14\000\dwg\Site Plan and Cross Section Location Map.dwg, Cross Section Locations, 9/6/2005 4:18:22 PM



Southwest - Northeast Cross Section D-D'

Former Cox Cadillac, 230 Bay Place, Oakland, California

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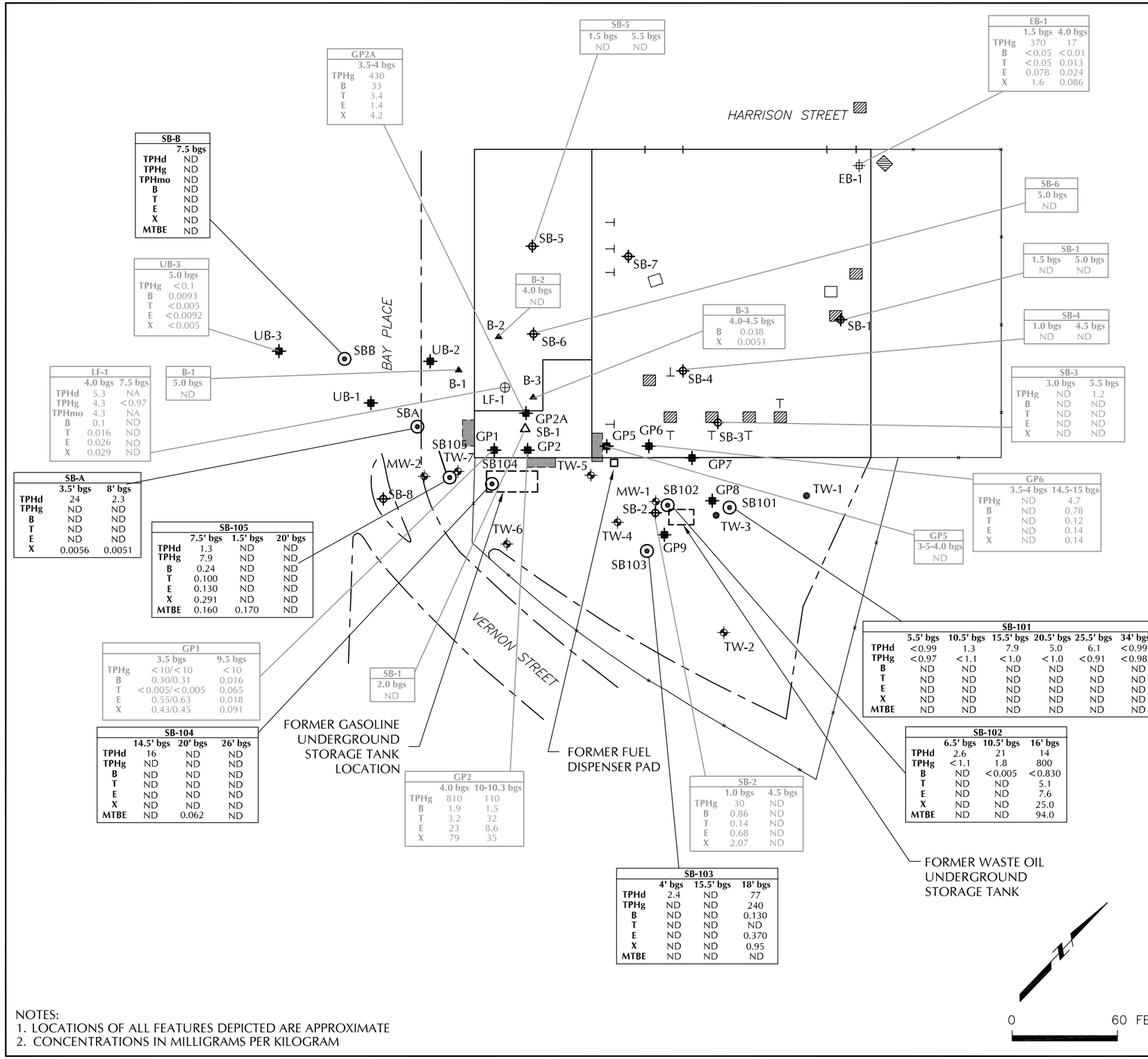
Figure 3



EXPLANATION

- MW-1/TW-2 — MONITORING OR TEMPORARY WELL LOCATION
- TW-1 — ABANDONED TEMPORARY WELL LOCATION
- B-2 — PREVIOUS SOIL BORING / GROUNDWATER SOIL SAMPLING LOCATION (INSTALLED BY PES ENVIRONMENTAL, INC., 1999)
- SB-1 — SOIL SAMPLING LOCATION (INSTALLED BY LFR LEVINE•FRICKE, JULY 2000)
- EB-1 — SOIL SAMPLING LOCATION (INSTALLED BY LOWNEY ASSOCIATES, JULY 2000)
- SOIL SAMPLING LOCATION (INSTALLED BY LFR LEVINE•FRICKE, MAY 2001)
- GP1 — SOIL AND GRAB GROUNDWATER SAMPLING LOCATION (INSTALLED BY ETIC, NOV. 2003)
- LF-1 — SOIL AND GRAB GROUNDWATER SAMPLING LOCATION (INSTALLED BY LFR LEVINE•FRICKE, MARCH 2004)
- SB101 — SOIL AND GRAB GROUNDWATER SAMPLING LOCATION (INSTALLED BY LFR LEVINE•FRICKE, 2005)
- DRAINS
- LIFTS
- FENCE
- RETAINING WALL
- CURB
- TEST PIT LOCATION (INSTALLED BY LFR, APRIL 2004)
- SANITARY SEWER - APPROXIMATELY 6 FEET BELOW GRADE

TPHd	TOTAL PETROLEUM AS DIESEL
TPHg	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
TPHmo	TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	XYLENES
MTBE	FUEL OXYGENATES
bgs	BELOW GROUND SURFACE
NA	NOT ANALYZED
ND	NOT DETECTED ABOVE LABORATORY REPORTING LIMITS

BOLD TEXT INDICATES SAMPLES COLLECTED IN MARCH 2005

GREY TEXT INDICATES SAMPLES COLLECTED PRIOR TO MARCH 2005

TPHg CLEAN UP GOAL IS 100 MICROGRAMS PER LITER

NOTES:
1. LOCATIONS OF ALL FEATURES DEPICTED ARE APPROXIMATE
2. CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM

Petroleum Hydrocarbon, BTEX, & Fuel Oxygenate Concentrations Detected in Soil Samples

Former Cox Cadillac, 230 Bay Place, Oakland, California

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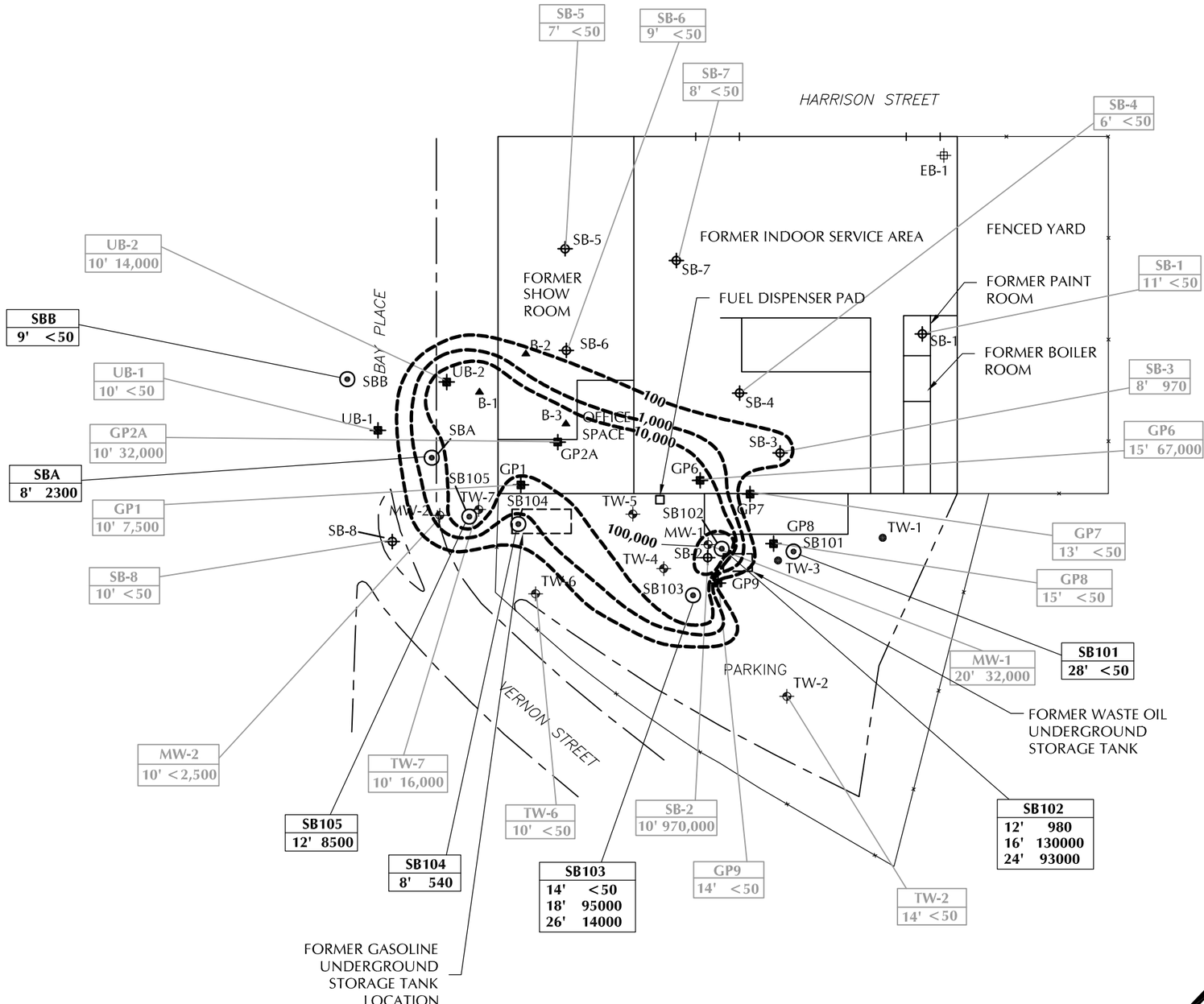
Figure 4

I:\Design\001\09171\14\000\dwg\Concentrations in Soil TPH_BTEX_FuelOxys.dwg, PETROLEUM HYDROCARBON, 9/6/2005 4:14:06 PM



EXPLANATION

- MW-2 — MONITORING WELL LOCATION (Sampled Jan. 2004 by ETIC)
- GP1 — GRAB GROUNDWATER LOCATION (Sampled Nov. 2003 by ETIC)
- SB-1 — GRAB GROUNDWATER LOCATION (Sampled Mar. 2004 by LFR)
- ISO-CONCENTRATION CONTOUR

SB101
28' <50

SAMPLE ID
CHEMICAL CONCENTRATION (MICROGRAMS PER LITER)
DEPTH OF SAMPLE (FEET BELOW GROUND SURFACE)

BOLD TEXT INDICATES SAMPLES COLLECTED IN MARCH 2005

GREY TEXT INDICATES SAMPLES COLLECTED PRIOR TO MARCH 2005

TPHg CLEAN UP GOAL IS 100 MICROGRAMS PER LITER

NOTES:

1. LOCATIONS OF ALL FEATURES DEPICTED ARE APPROXIMATE
2. CONCENTRATIONS IN MICROGRAMS PER LITER

Groundwater Isoconcentration Contour Map for Total Petroleum Hydrocarbons as Gasoline (µg/l) - March/April 2005

Former Cox Cadillac, 230 Bay Place, Oakland, California

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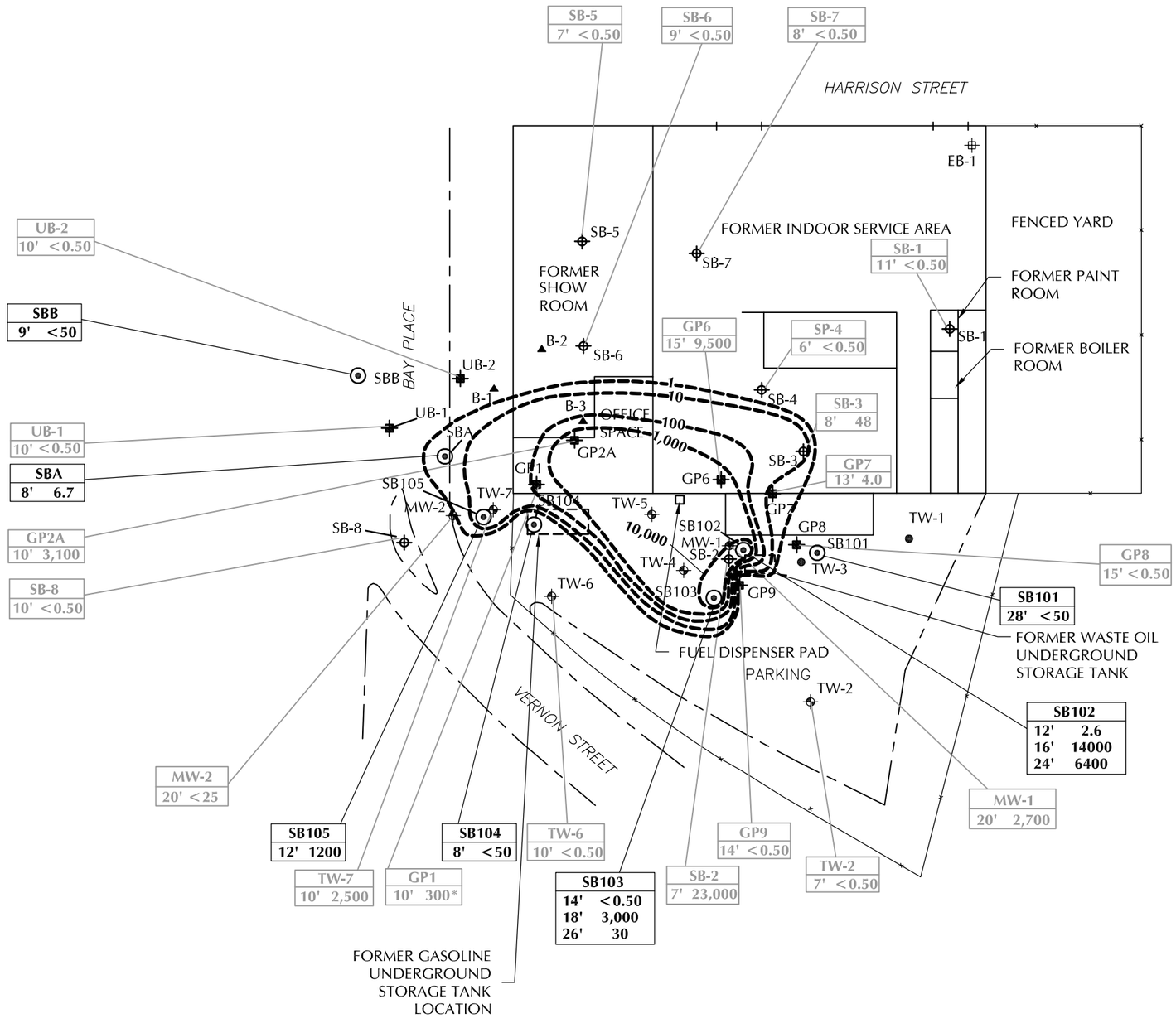
Figure 5

I:\Design\001\09171\14\000\dwg\TPH as Gas.dwg, TPH ISOconcentration Contours, 9/6/2005 4:16:07 PM



EXPLANATION

- MW-2 — MONITORING WELL LOCATION (Sampled Jan. 2004 by ETIC)
- GP1 — GRAB GROUNDWATER LOCATION (Sampled Nov. 2003 by ETIC)
- SB-1 — GRAB GROUNDWATER LOCATION (Sampled Mar. 2004 by LFR)
- ISO-CONCENTRATION CONTOUR

SB101
28' <50

SAMPLE ID
CHEMICAL CONCENTRATION IN MICROGRAMS PER LITER

BENZENE CLEAN UP GOAL IS 1 MICROGRAM PER LITER

BOLD TEXT INDICATES SAMPLES COLLECTED IN MARCH 2005

GREY TEXT INDICATES SAMPLES COLLECTED PRIOR TO MARCH 2005

NOTES:

1. LOCATIONS OF ALL FEATURES DEPICTED ARE APPROXIMATE
2. CONCENTRATIONS IN MICROGRAMS PER LITER

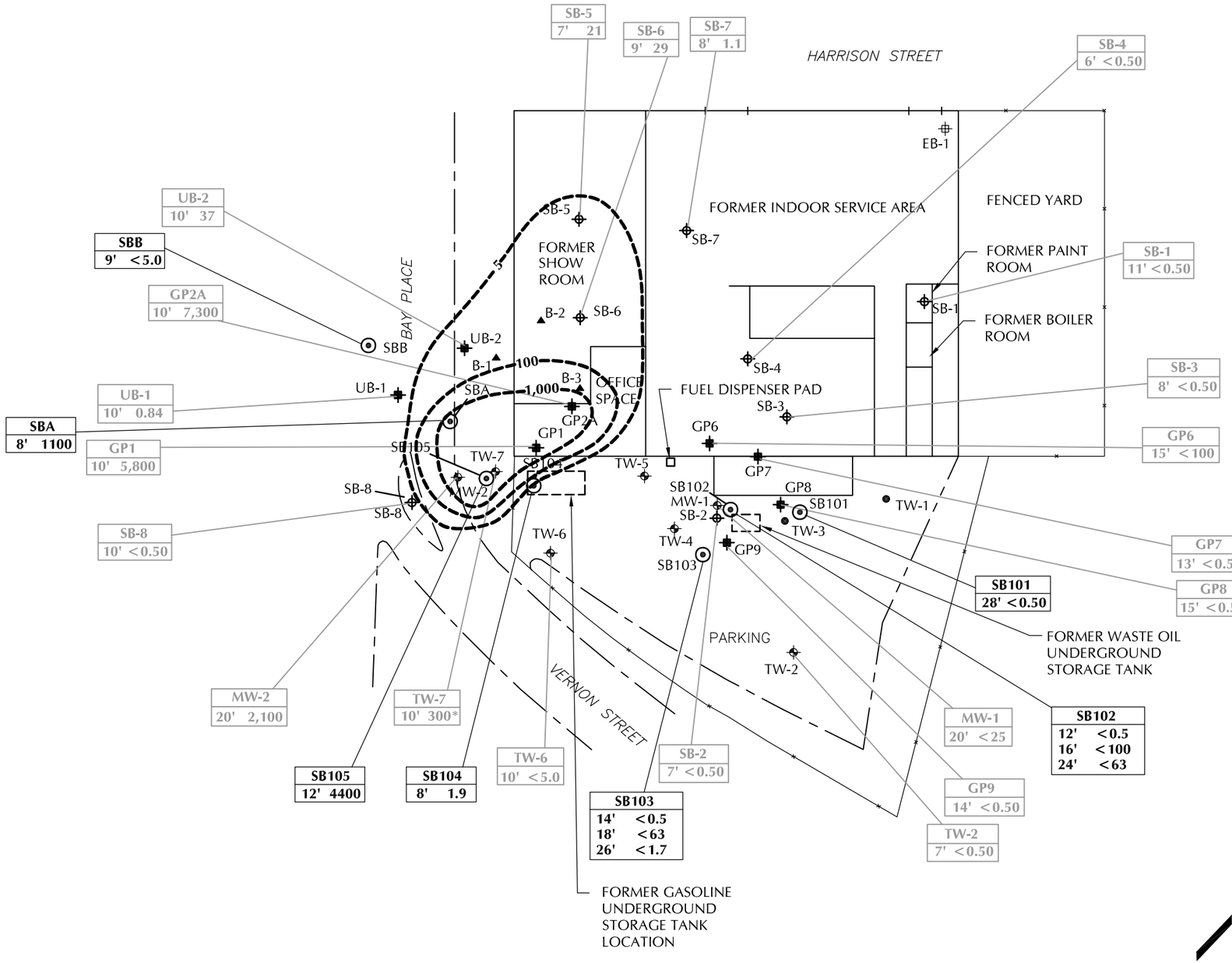
Groundwater Isoconcentration Contour Map for Benzene (µg/l) March/April 2005

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE•FRICKE

Figure 6

I:\Design\001\09171\14\000\dwg\Benzene.dwg, Benzene ISOconcentration Contours, 9/26/2005 3:39:50 PM



EXPLANATION

- MW-2 — MONITORING WELL LOCATION (Sampled Jan. 2004 by ETIC)
- GP1 — GRAB GROUNDWATER LOCATION (Sampled Nov. 2003 by ETIC)
- SB-1 — GRAB GROUNDWATER LOCATION (Sampled Mar. 2004 by LFR)
- ISO-CONCENTRATION CONTOUR
- SB101 / 28' <0.50 — SAMPLE ID / CHEMICAL CONCENTRATION IN MICROGRAMS PER LITER / DEPTH SAMPLE TAKEN (FEET BELOW GROUND SURFACE)

MTBE CLEAN UP GOAL IS 5 MICROGRAMS PER LITER

BOLD TEXT INDICATES SAMPLES COLLECTED IN MARCH 2005

GREY TEXT INDICATES SAMPLES COLLECTED PRIOR TO MARCH 2005

NOTES:

1. LOCATIONS OF ALL FEATURES DEPICTED ARE APPROXIMATE
2. CONCENTRATIONS IN MICROGRAMS PER LITER

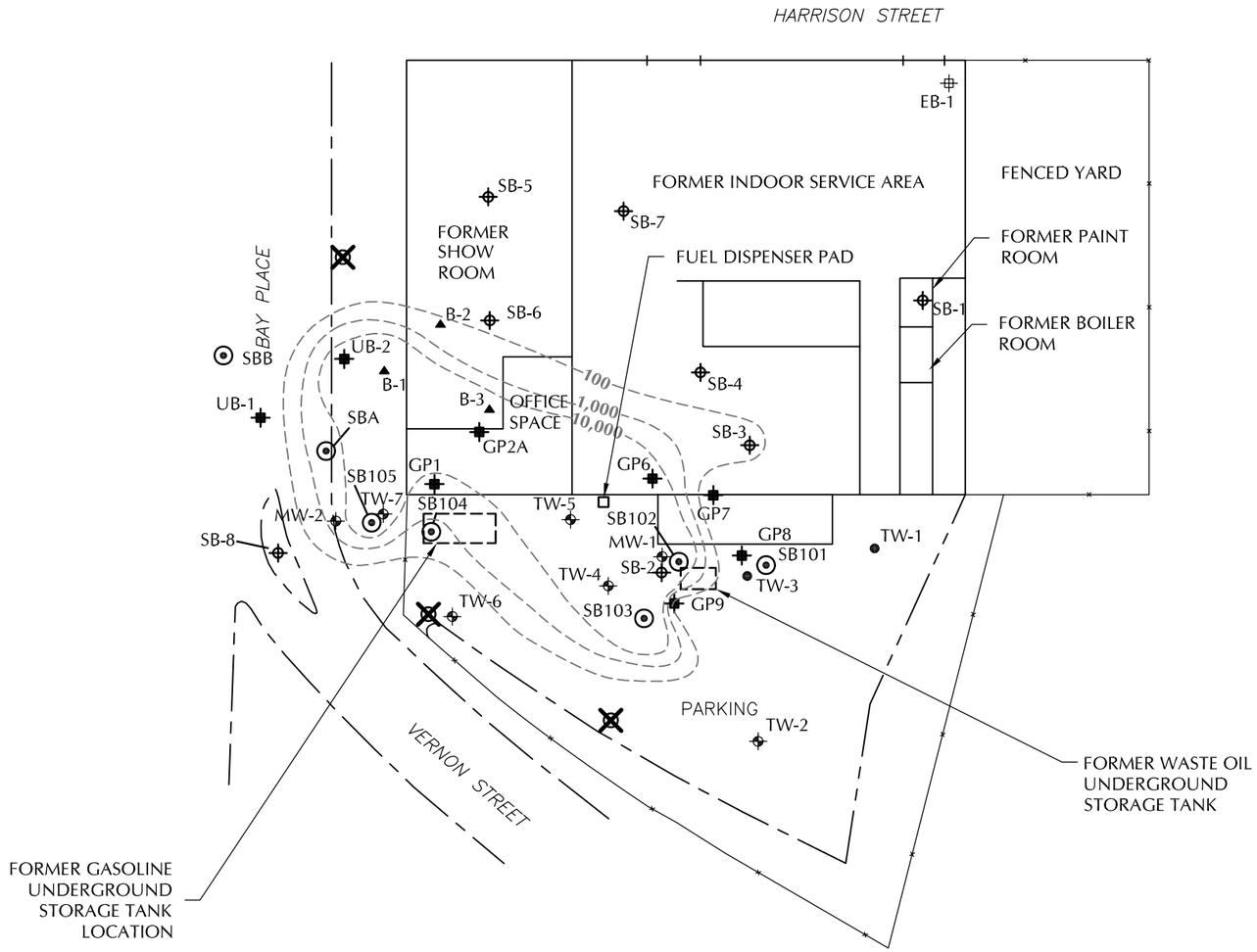
Groundwater Isoconcentration Contour Map for Methyl Tertiary-Butyl Ether (µg/l) March/April 2005

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE • FRICKE

Figure 7

I:\Design\001\09171\14\000\dwg\mtbe.dwg, MTBE, 9/26/2005 3:41:21 PM



EXPLANATION

- MW-2 — MONITORING WELL LOCATION (Sampled Jan. 2004 by ETIC) GRAB
- GP1 — GROUNDWATER LOCATION (Sampled Nov. 2003 by ETIC) GRAB
- SB-1 — GROUNDWATER LOCATION (Sampled Mar. 2004 by LFR)
- TPH AS GASOLINE ISO-CONCENTRATION CONTOUR (µg/L) in March/April 2005
- PROPOSED GRAB-GROUNDWATER SAMPLING LOCATIONS

NOTES:

1. LOCATIONS OF ALL FEATURES DEPICTED ARE APPROXIMATE
2. CONCENTRATIONS IN MICROGRAMS PER LITER

N

0 60 FEET

Proposed Grab-Groundwater Sampling Locations

Former Cox Cadillac, 230 Bay Place, Oakland, California

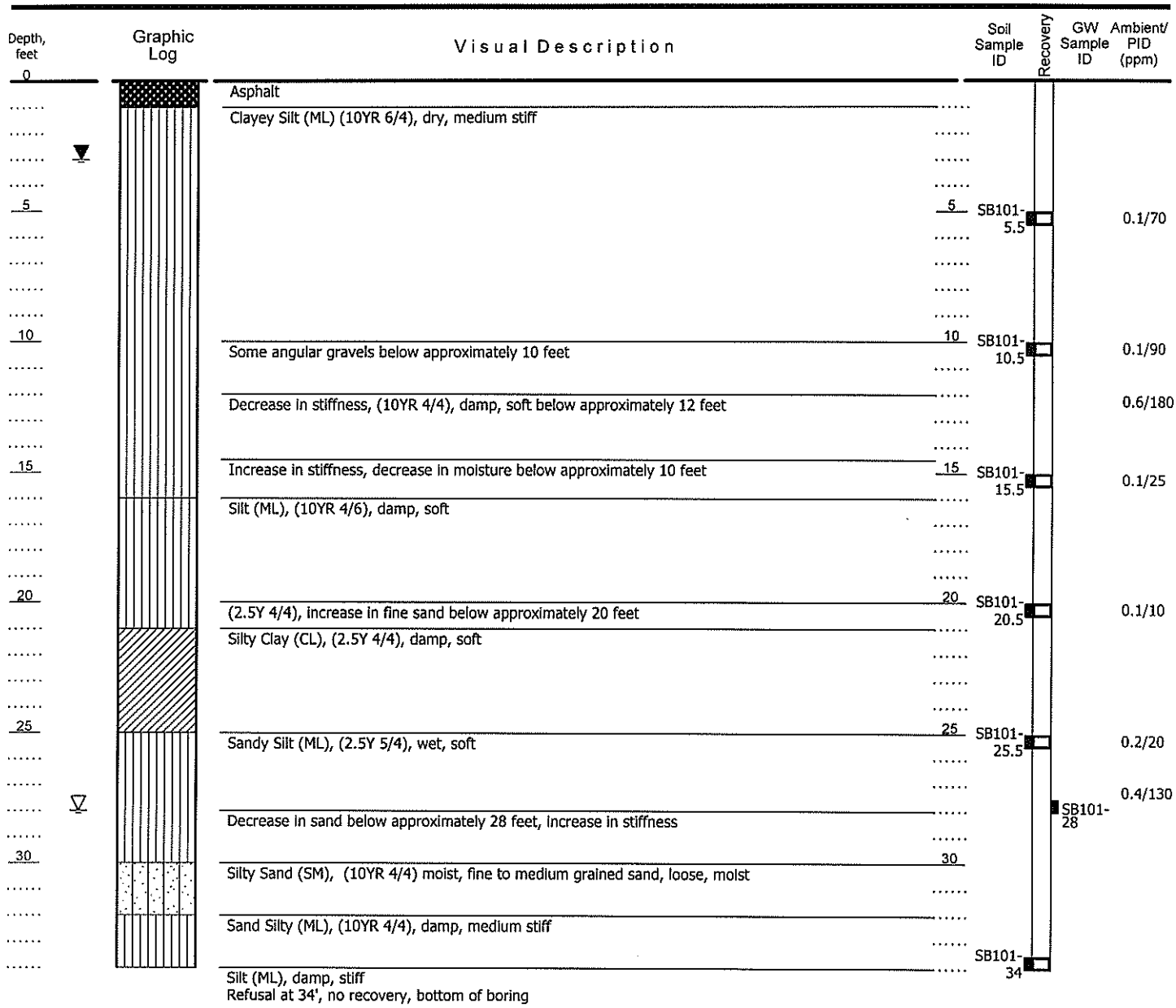
LFR LEVINE • FRICKE

Figure 8

I:\Design\001\09171\14\000\dwg\Proposed Grab-GW Samp Locs.dwg, Proposed Samp LOCS, 9/26/2005 3:42:57 PM

APPENDIX A

LFR Levine·Fricke Lithologic Logs (March 2005)



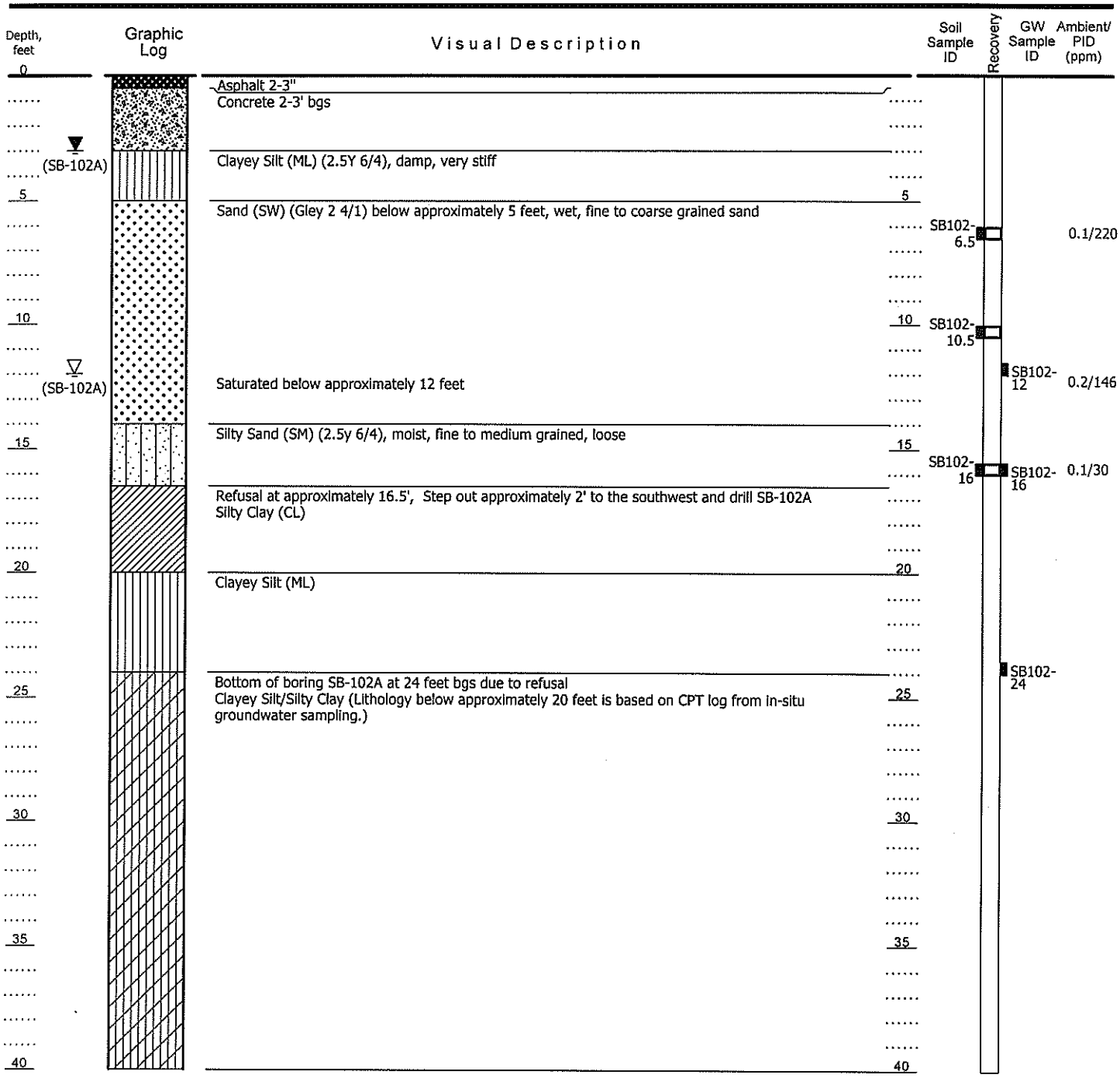
Date Drilled: 3/17/05
Drilling Company: Gregg Drilling
Driller: Paul
Sampling Method: Dual Tube/Hydropunch
LFR Geologist: S. Sachs
Coordinates: N 1,234,567.12 E 2,345,678.57

EXPLANATION

- Clay (CL/CH)
- Silt (ML/MH)
- Sand (SP/SW)
- Gravel (GP/GW)
- Grab Groundwater Sample
- Soil Sample
- Depth GW Encountered During Drilling
- Static Water Level

Visual description based on Unified Soil Classification System

LITHOLOGY AND SAMPLE DATA FOR SOIL BORING SB-101



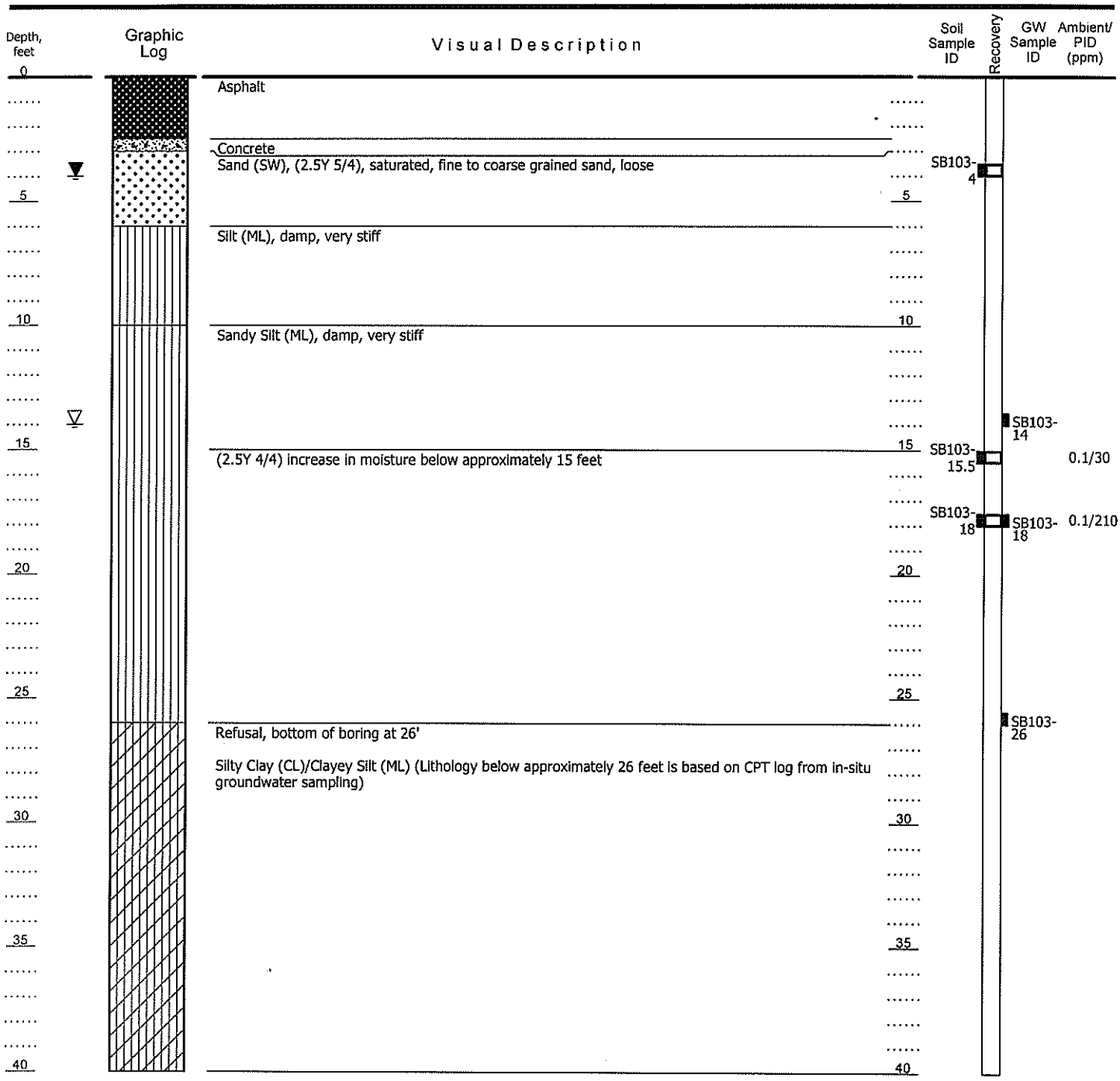
Date Drilled: 3/17/05
Drilling Company: Gregg Drilling
Driller: Paul
Sampling Method: Dual Tube/Hydropunch
LFR Geologist: S. Sachs

EXPLANATION

- Clay (CL/CH)
- Silt (ML/MH)
- Sand (SP/SW)
- Gravel (GP/GW)
- Grab Groundwater Sample
- Soil Sample
- Depth GW Encountered During Drilling
- Static Water Level

Visual description based on Unified Soil Classification System

LITHOLOGY AND SAMPLE DATA FOR SOIL BORING SB-102/SB-102A



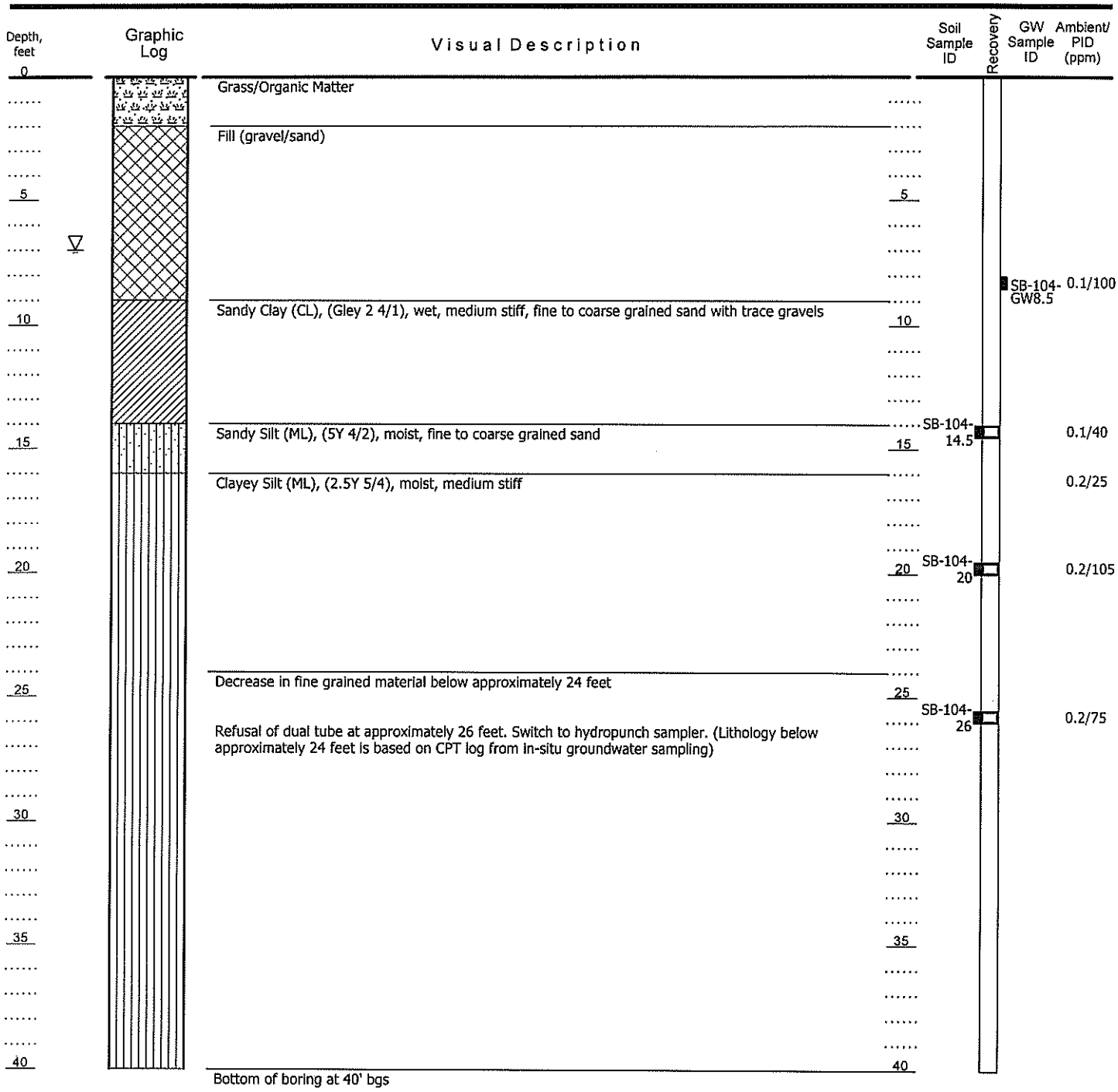
EXPLANATION

Clay (CL/CH)
Silt (ML/MH)
Sand (SP/SW)
Gravel (GP/GW)

Grab Groundwater Sample
Soil Sample
Depth GW Encountered During Drilling
Static Water Level
Visual description based on Unified Soil Classification System

Date Drilled: 3/17/05
Drilling Company: Gregg Drilling
Driller: Paul
Sampling Method: Dual Tube/Hydropunch
LFR Geologist: S. Sachs

LITHOLOGY AND SAMPLE DATA FOR SOIL BORING SB-103



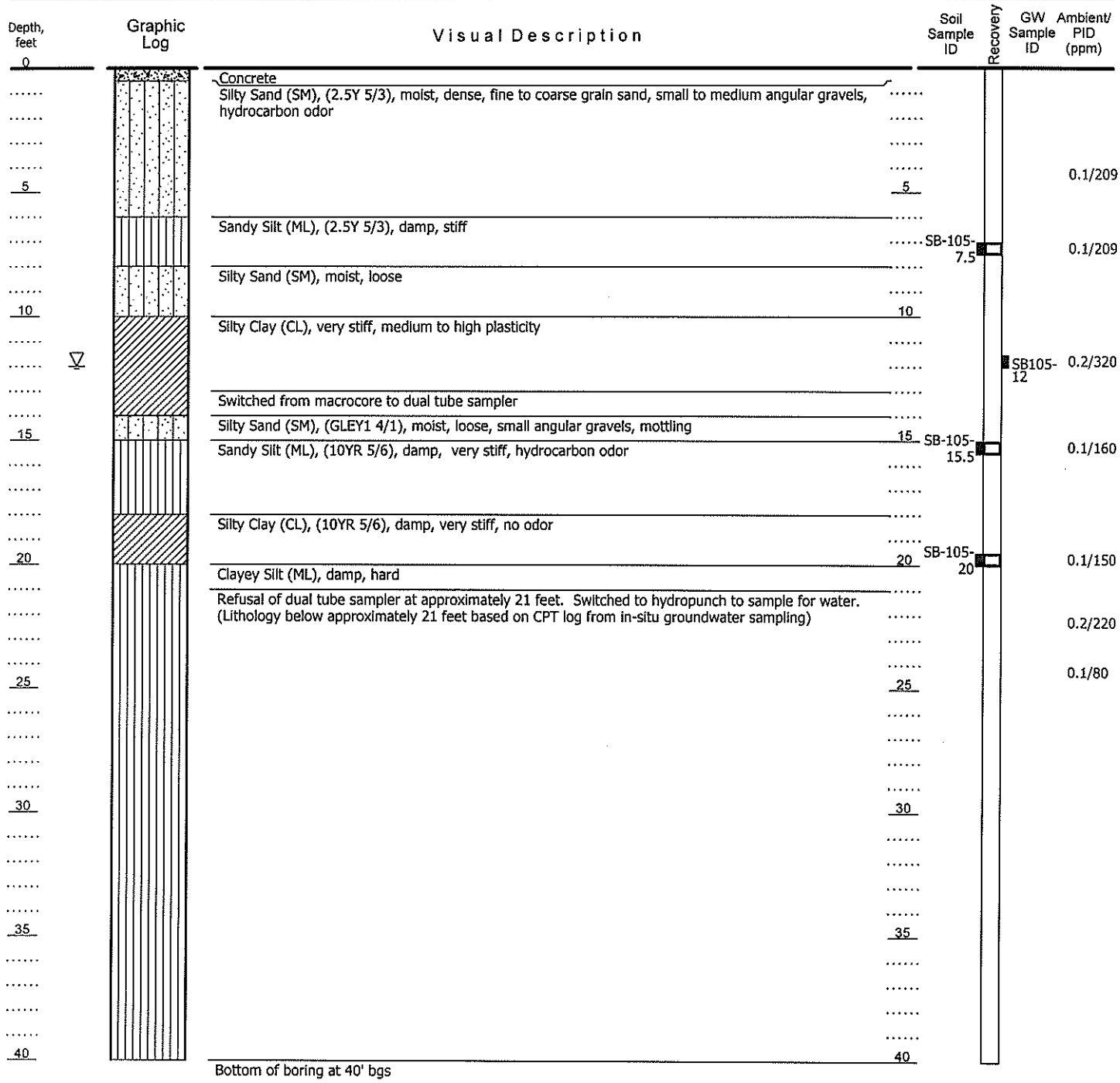
EXPLANATION

Clay (CL/CH)
Silt (ML/MH)
Sand (SP/SW)
Gravel (GP/GW)

Grab Groundwater Sample
Soil Sample
Depth GW Encountered During Drilling
Static Water Level
Visual description based on Unified Soil Classification System

Date Drilled: 3/17/05
Drilling Company: Gregg Drilling
Driller: Paul
Sampling Method: Macrocore, Dual Tube/Hydropunch
LFR Geologist: S. Sachs

LITHOLOGY AND SAMPLE DATA FOR SOIL BORING SB-104



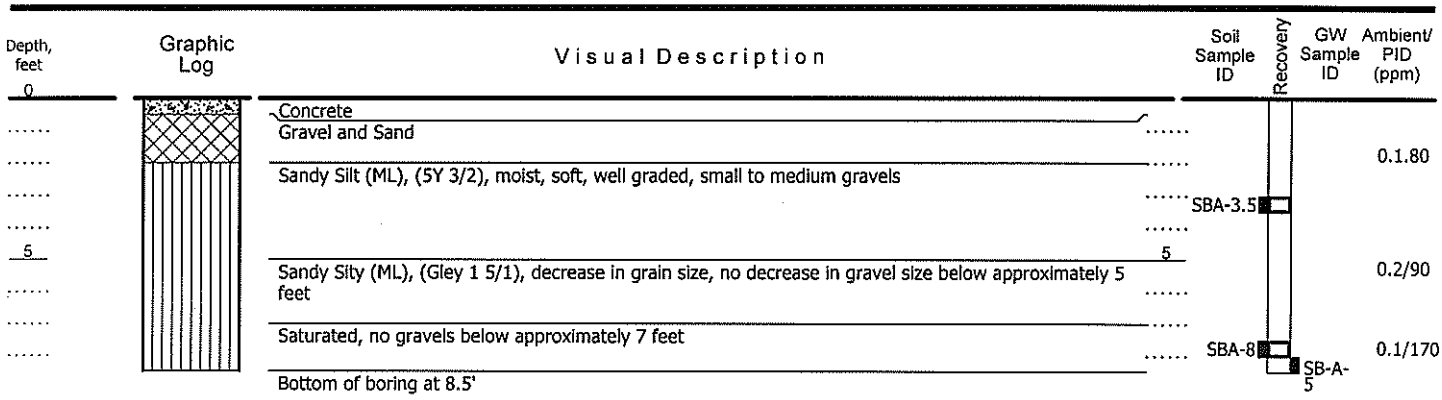
EXPLANATION

Date Drilled: 3/17/05
Drilling Company: Gregg Drilling
Driller: Paul
Sampling Method: Macrocore, Dual Tube/Hydropunch
LFR Geologist: S. Sachs

Clay (CL/CH)
Silt (ML/MH)
Sand (SP/SW)
Gravel (GP/GW)

Grab Groundwater Sample
Soil Sample
Depth GW Encountered During Drilling
Static Water Level
Visual description based on Unified Soil Classification System

LITHOLOGY AND SAMPLE DATA FOR SOIL BORING SB-105



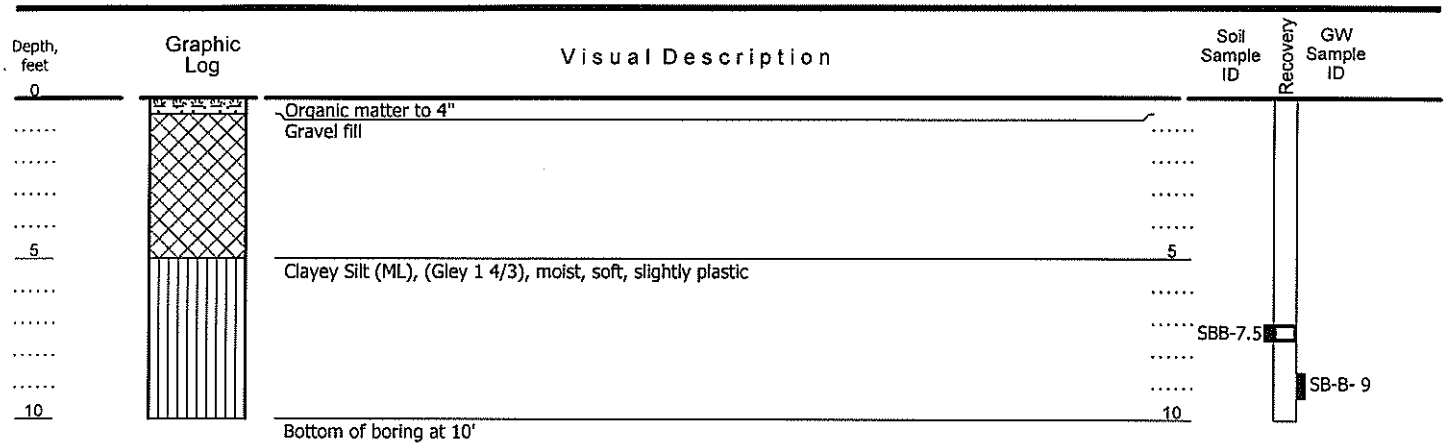
Date Drilled:
Drilling Company: Gregg Drilling
Driller: JR
Sampling Method: Hand Auger
LFR Geologist: S. Sachs

EXPLANATION

- Clay (CL/CH)
- Silt (ML/MH)
- Sand (SP/SW)
- Gravel (GP/GW)
- Grab Groundwater Sample
- Soil Sample
- Depth GW Encountered During Drilling
- Static Water Level

Visual description based on Unified Soil Classification System

LITHOLOGY AND SAMPLE DATA FOR SOIL BORING SB-A



Date Drilled:
Drilling Company: Gregg Drilling
Driller:
Sampling Method: Hand Auger
LFR Geologist: S. Sachs

EXPLANATION

- Clay (CL/CH)
- Silt (ML/MH)
- Sand (SP/SW)
- Gravel (GP/GW)
- Grab Groundwater Sample
- Soil Sample
- Depth GW Encountered During Drilling
- Static Water Level

Visual description based on Unified Soil Classification System

LITHOLOGY AND SAMPLE DATA FOR SOIL BORING SB-B

APPENDIX B

March 2005 Laboratory Data

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: 25-MAR-05
Lab Job Number: 178376
Project ID: 001-09171.01
Location: Cox Cadillac

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

CASE NARRATIVE

Laboratory number:	178376
Client:	LFR Levine Fricke
Project:	001-09171.01
Location:	Cox Cadillac
Request Date:	03/18/05
Samples Received:	03/18/05

This hardcopy data package contains sample and QC results for nine soil samples and four water samples, requested for the above referenced project on 03/18/05. The samples were received cold and intact. All data were e-mailed to Ron Goloubow on 03/28/05.

TPH-Purgeables and/or BTXE by GC (EPA 8015B) Water:
No analytical problems were encountered.

TPH-Purgeables and/or BTXE by GC (EPA 8015B) Soil:
No analytical problems were encountered.

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

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

Volatile Organics by GC/MS (EPA 8260B) Water:
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Soil:
Low response was observed for tert-butyl alcohol (TBA) in the CCV analyzed 03/22/05 10:59; this analyte met minimum response criteria, and affected data was qualified with "b". Low recoveries were observed for methyl tert-amyl ether (TAME) in the MS/MSD of SB-104-19.5-20' (lab # 178376-003); the LCS was within limits, and the associated RPD was within limits. High recoveries were observed for MTBE; the LCS was within limits. Response exceeding the instrument's linear range was observed for MTBE in the MS/MSD of SB-104-19.5-20' (lab # 178376-003); affected data was qualified with "b". High surrogate recoveries were observed for 1,2-dichloroethane-d4 in a number of samples. No other analytical problems were encountered.

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

CHAIN OF CUSTODY

C & T LOGIN #: 178376

Project No.: 001-09171-01
Project Name: Cox Cadillac
Project P.O.:
Turnaround Time: STD

Sampler: S. SACHS
Report To: RON GOLOUBOW
Company: LFR
Telephone: 510 652 4500
Fax:

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste	# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE	Analysis: TPHd (8015-mod)	TPHg (8015-mod)	4 BTEX, MTBE, 1,2 DCA, TAME, ETBE (DIPE, TBA, EDB by 8260)	
~~1~~	~~SB-104-8'~~	~~3/8/05 845~~	~~X~~			~~1~~					~~X~~	~~X~~	~~X~~	
1	SB-104-14-14.5	855	X			1					X	X	X	
2	SB-104-15-15.5	859	X			1					X	X	X	HOLD
3	SB-104-19.5-20	930	X			1					X	X	X	
4	SB-104-23.5-24	1000	X			1					X	X	X	HOLD
5	SB-104-25.5-26	1010	X			1					X	X	X	
6	SB-104-8'	805		X		7	X				X	X	X	
7	SB-105-12'	1150		X		7	X				X	X	X	
8	SB-105-7-7.5	1130	X			1					X	X	X	
9	SB-105-11.5-12	1155	X			1					X	X	X	
10	SB-105-15-15.5	1330	X			1					X	X	X	HOLD

Notes:

SAMPLE RECEIPT
☒ Intact ☐ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
SIGNATURE — 3/8/05 1625 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
SIGNATURE — 3/8/05 1625 DATE / TIME
DATE / TIME
DATE / TIME

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

CHAIN OF CUSTODY

C & T LOGIN #: 18376

Project No.: 001-09171-01
Project Name: Cox Cadillac
Project P.O.:
Turnaround Time: STD

Sampler: S. JACHS
Report To: Ron Glowbow
Company: LFR
Telephone: 510 652 4500
Fax:

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste	# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE	Analysis: TPHd (8015-mod)	TPHg (8015-mod) + (BTEX, MTBE, 1,2DCA, TAME, EDB, DIPE, TBA, EDB by 8260)
11	SB-105-17.5-18'	3/18/05 1340	X			1					X	X
12	SB-105-19.5-20'	1350	X			1					X	X
13	SB-B-3.5' *	930	X			1					X	X
14	SB-B-7.5'	940	X			1					X	X
15	SB-A-3-3.5	1250	X			1					X	X
16	SB-A-8'	1300	X			1					X	X
17	SB-A-8'	1300		X		7	X				X	X
18	SB-B-9'	1000		X		7	X				X	X

HOLD

Notes:
* Sample received in plastic bag. Analysis canceled. Left message for RC on 3/21/05 TT

SAMPLE RECEIPT
☒ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
SIGNATURE — 3/18/05 1625 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
Savanna Lee — 3/18/05 4:25 p.m. DATE / TIME
DATE / TIME
DATE / TIME

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

Curtis & Tompkins, Ltd.

COOLER RECEIPT CHECKLIST

Login#: 178276 Date Received: 3/19/05 Number of Coolers: 1
Client: LFR Project: Cox Cadillac

A. Preliminary Examination Phase
Date Opened: 3/19 By (print): Tracy Bodjrc (sign) Tracy Bodjrc

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: Wet Temperature: Cold

B. Login Phase
Date Logged In: 3/19/05 By (print): J. Goyette (sign) Tracy Bodjrc for JG

1. Describe type of packing in cooler: Samples on ice
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
6. Were correct preservatives added to samples? ..... YES NO pH
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? Ron. C By whom? Tracy Bodjrc Date: 3/21/05

Additional Comments:
Called Ron to inform that Sample SB-13-3.5' was received in a plastic bag & we can't analyze it.

Curtis & Tompkins, Ltd

Total Volatile Hydrocarbons

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/18/05
Units:	ug/L	Received:	03/18/05
Batch#:	100265	Analyzed:	03/20/05

Field ID: SB-104-8' Lab ID: 178376-006
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	94	63-141
Bromofluorobenzene (FID)	107	79-139

Field ID: SB-105-12' Lab ID: 178376-007
Type: SAMPLE Diln Fac: 25.00

Analyte	Result	RL
Gasoline C7-C12	74,000	1,300

Surrogate	%REC	Limits
Trifluorotoluene (FID)	124	63-141
Bromofluorobenzene (FID)	118	79-139

Field ID: SB-A-8' Lab ID: 178376-017
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	2,300 Y	50

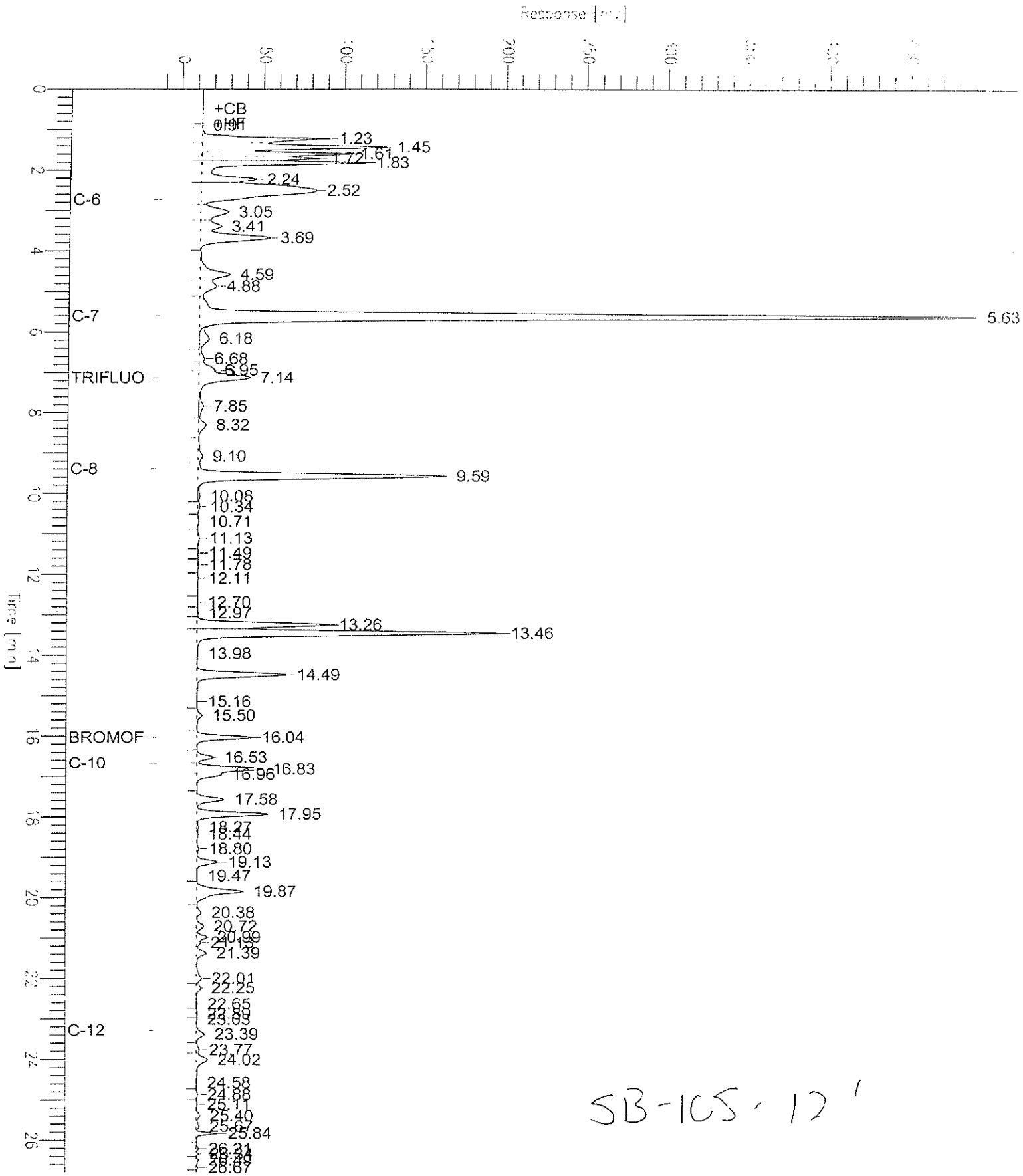
Surrogate	%REC	Limits
Trifluorotoluene (FID)	131	63-141
Bromofluorobenzene (FID)	138	79-139

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

GC19 TVH 'X' Data File (FID)

Sample Name : 178376-007,100265,tvh
FileName : G:\GC19\DATA\079X017.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: 1.0 Plot Offset: -11 mV

Sample #: g1.0 Page 1 of 1
Date : 3/21/05 08:34 AM
Time of Injection: 3/20/05 07:50 PM
Low Point : -11.43 mV High Point : 492.02 mV
Plot Scale: 503.5 mV



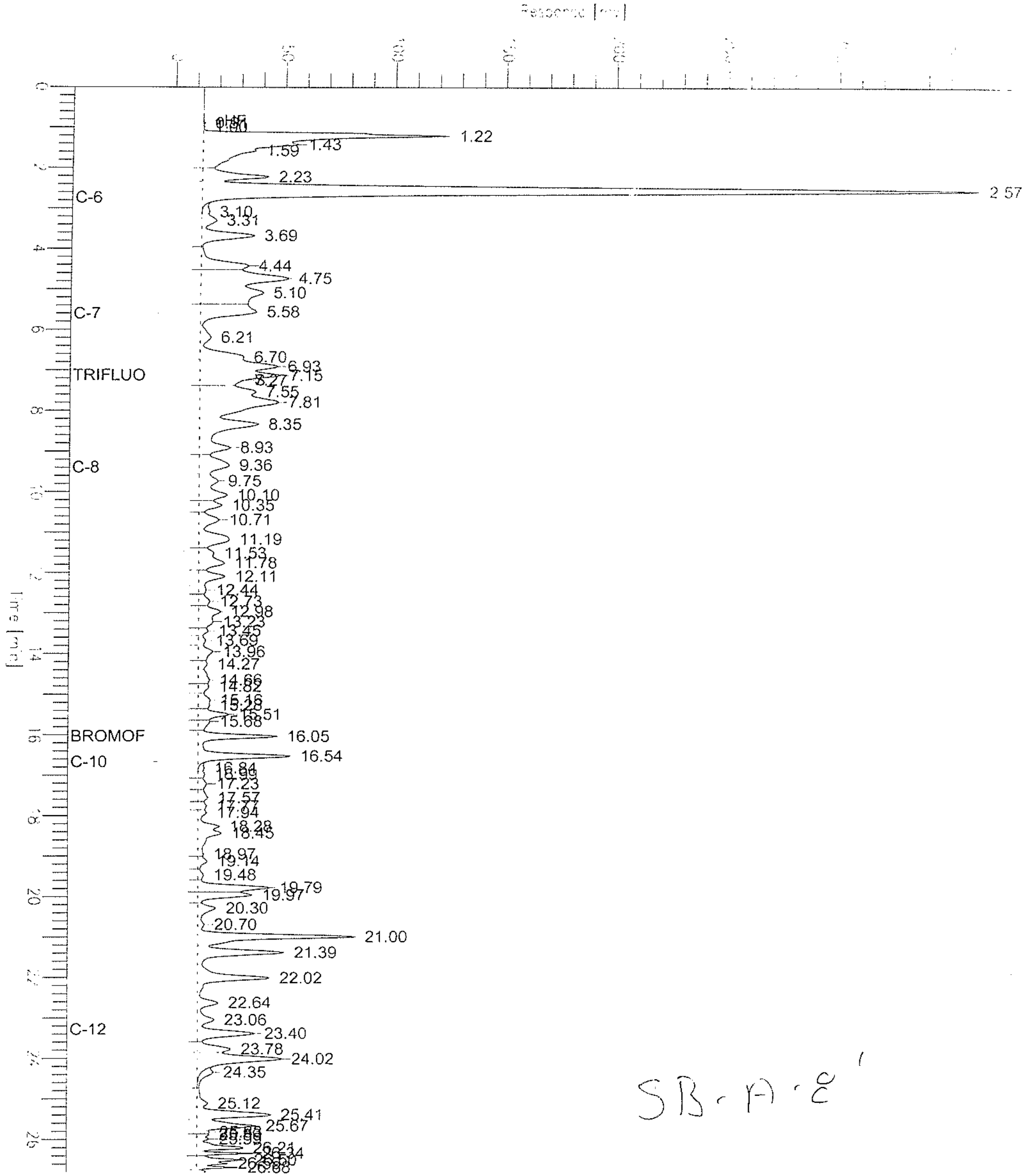
SB-105-12'

GC19 TVH 'X' Data File (FID)

Sample Name : 178376-017,100265,tvh
FileName : G:\GC19\DATA\079X018.raw
Method : TVHBTXE
Start Time : 0.00 min
Scale Factor: 1.0
End Time : 26.80 min
Plot Offset: -5 mV

Sample #: f2.5

Date : 3/21/05 08:34 AM
Time of Injection: 3/20/05 08:24 PM
Low Point : -4.95 mV
High Point : 363.18 mV
Plot Scale: 368.1 mV

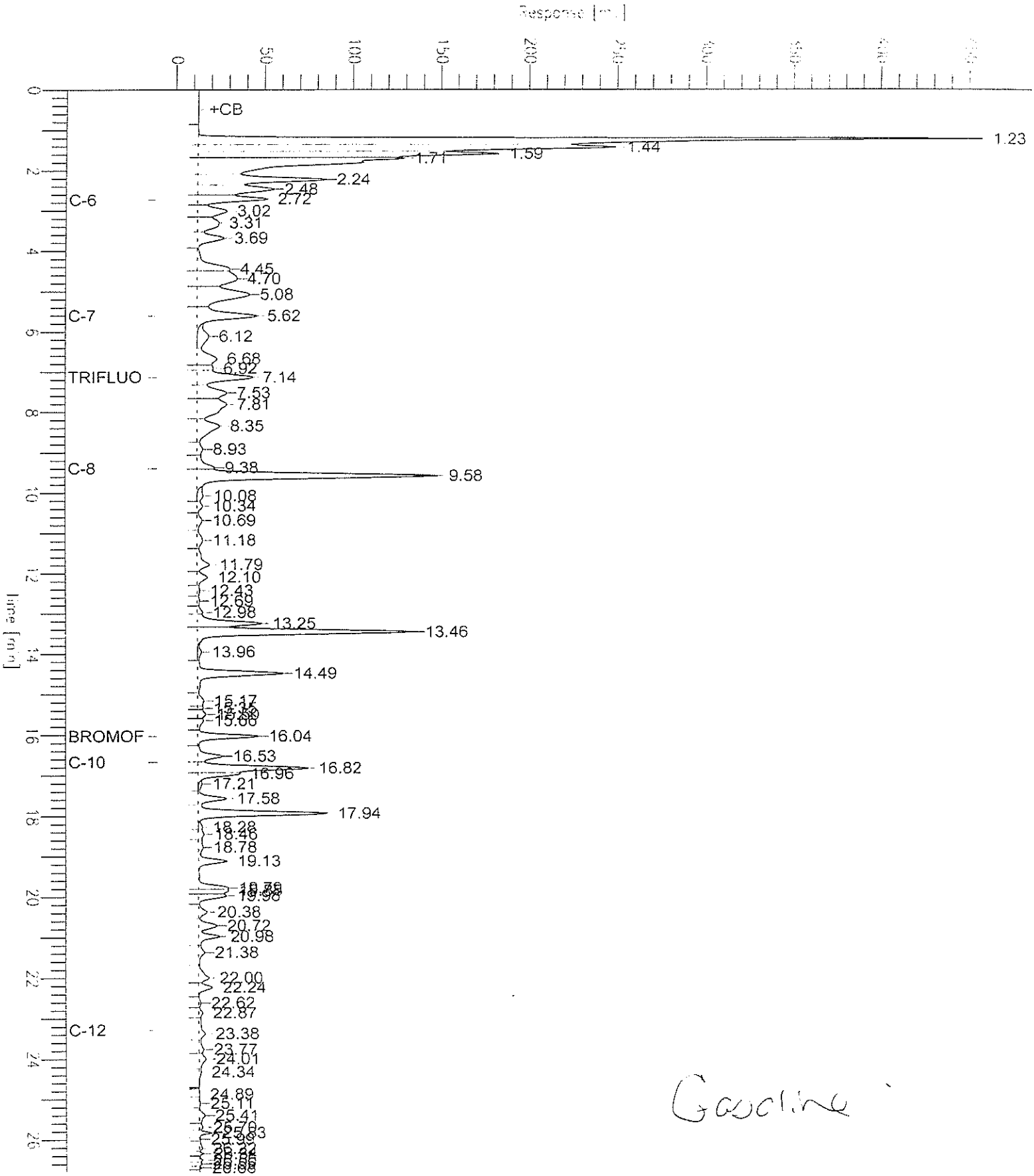


SB-A-8'

GC19 TVH 'X' Data File (FID)

Sample Name : ccv/lcs,qc286797,100265,S73,5/5000
FileName : G:\GC19\DATA\079X001.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: 1.0 Plot Offset: -10 mV

Sample #: Page 1 of 1
Date : 3/20/05 11:07 AM
Time of Injection: 3/20/05 10:40 AM
Low Point : -9.76 mV High Point : 457.70 mV
Plot Scale: 467.5 mV



Gasoline

Curtis & Tompkins, Ltd

Total Volatile Hydrocarbons

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/18/05
Units:	ug/L	Received:	03/18/05
Batch#:	100265	Analyzed:	03/20/05

Field ID: SB-B-9' Lab ID: 178376-018
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	91	63-141
Bromofluorobenzene (FID)	104	79-139

Type: BLANK Diln Fac: 1.000
Lab ID: QC286796

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	95	63-141
Bromofluorobenzene (FID)	103	79-139

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC286797	Batch#:	100265
Matrix:	Water	Analyzed:	03/20/05
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,246	112	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	120	63-141
Bromofluorobenzene (FID)	123	79-139

Curtis & Tompkins, Ltd

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Field ID:	SB-104-8'	Batch#:	100265
MSS Lab ID:	178376-006	Sampled:	03/18/05
Matrix:	Water	Received:	03/18/05
Units:	ug/L	Analyzed:	03/20/05
Diln Fac:	1.000		

Type: MS Lab ID: QC286804

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<22.03	2,000	2,036	102	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	63-141
Bromofluorobenzene (FID)	119	79-139

Type: MSD Lab ID: QC286805

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,082	104	80-120	2	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	116	63-141
Bromofluorobenzene (FID)	117	79-139

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd

Total Volatile Hydrocarbons

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	100264
Units:	mg/Kg	Sampled:	03/18/05
Basis:	as received	Received:	03/18/05
Diln Fac:	1.000	Analyzed:	03/20/05

Field ID: SB-104-14-14.5' Lab ID: 178376-001
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	16 H	2.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	126	60-138
Bromofluorobenzene (FID)	113	66-148

Field ID: SB-104-19.5-20' Lab ID: 178376-003
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	91	60-138
Bromofluorobenzene (FID)	96	66-148

Field ID: SB-104-25.5-26' Lab ID: 178376-005
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	93	60-138
Bromofluorobenzene (FID)	95	66-148

Field ID: SB-105-7-7.5' Lab ID: 178376-008
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	7.9 H	1.1

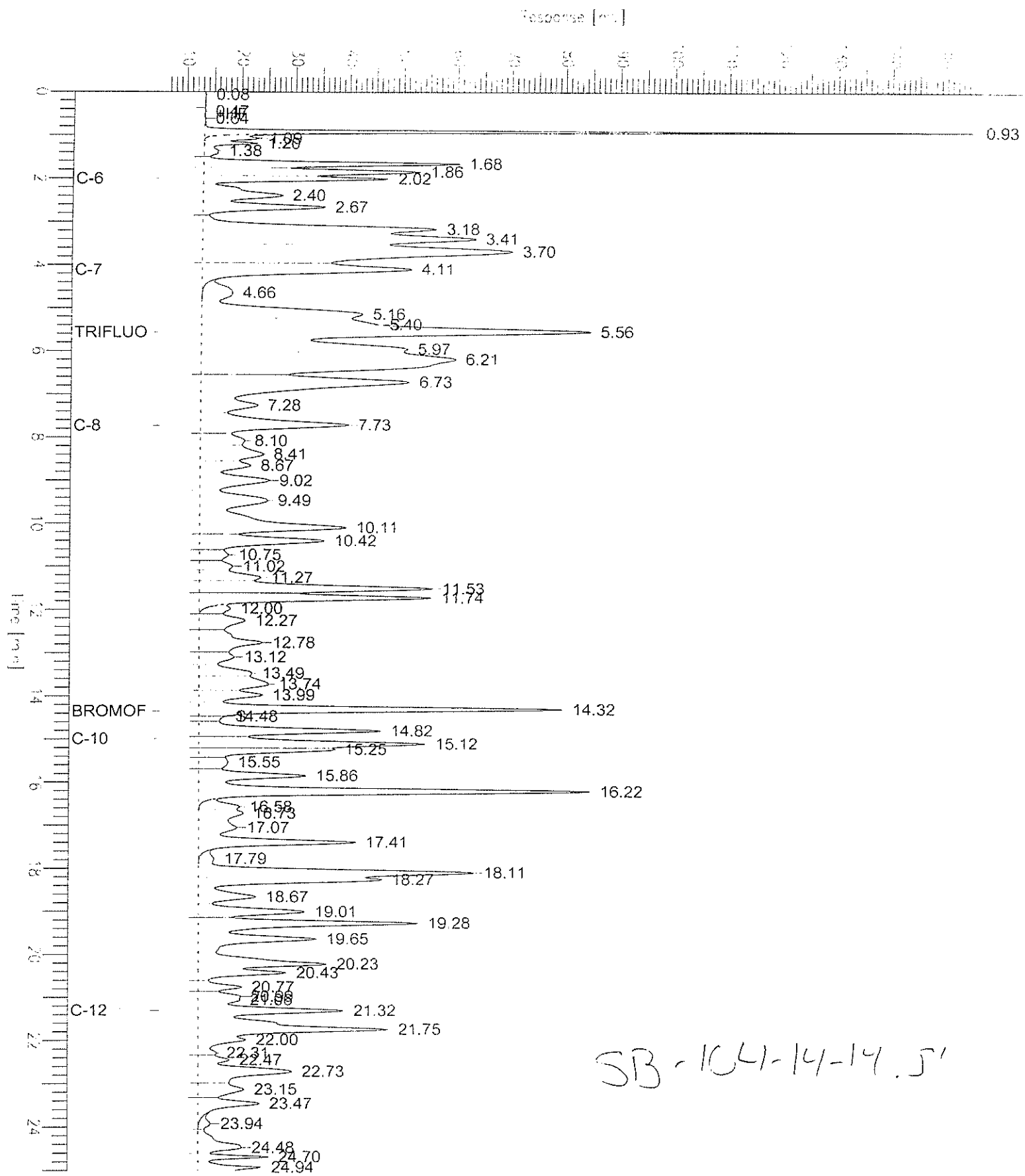
Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	60-138
Bromofluorobenzene (FID)	120	66-148

H= Heavier hydrocarbons contributed to the quantitation
ND= Not Detected
RL= Reporting Limit

Chromatogram

Sample Name : 178376-001,100264,tvh
FileName : G:\GC05\DATA\079G017.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 6 mV

Sample #: a Page 1 of 1
Date : 3/21/05 12:27 PM
Time of Injection: 3/20/05 07:28 PM
Low Point : 6.09 mV High Point : 155.27 mV
Plot Scale: 149.2 mV

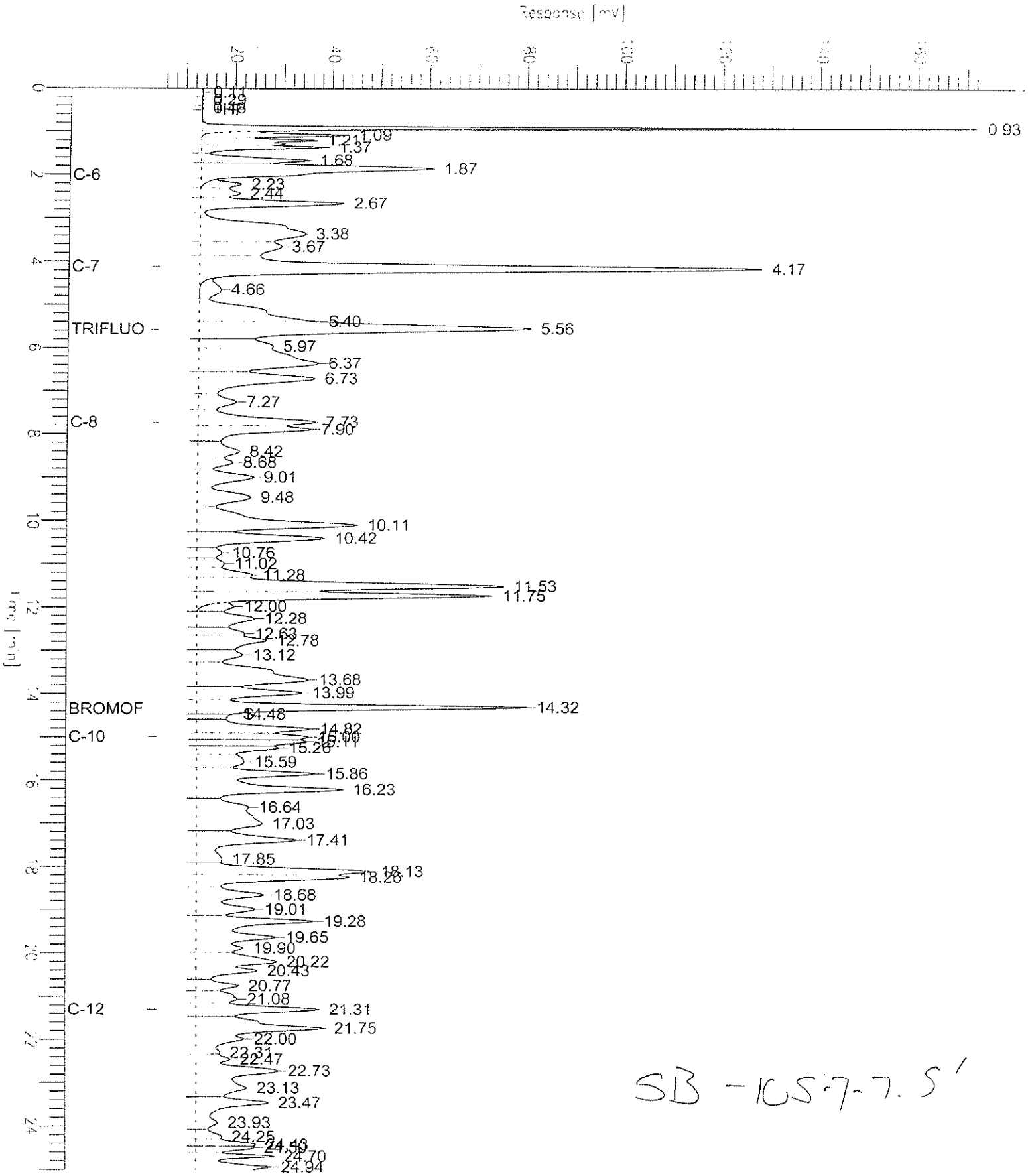


SB-104-14-14.5'

Chromatogram

Sample Name : 178376-008,100264,tvh
FileName : G:\GC05\DATA\079G016.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 5 mV

Sample #: a Page 1 of 1
Date : 3/21/05 12:27 PM
Time of Injection: 3/20/05 06:56 PM
Low Point : 5.18 mV High Point : 172.20 mV
Plot Scale: 167.0 mV

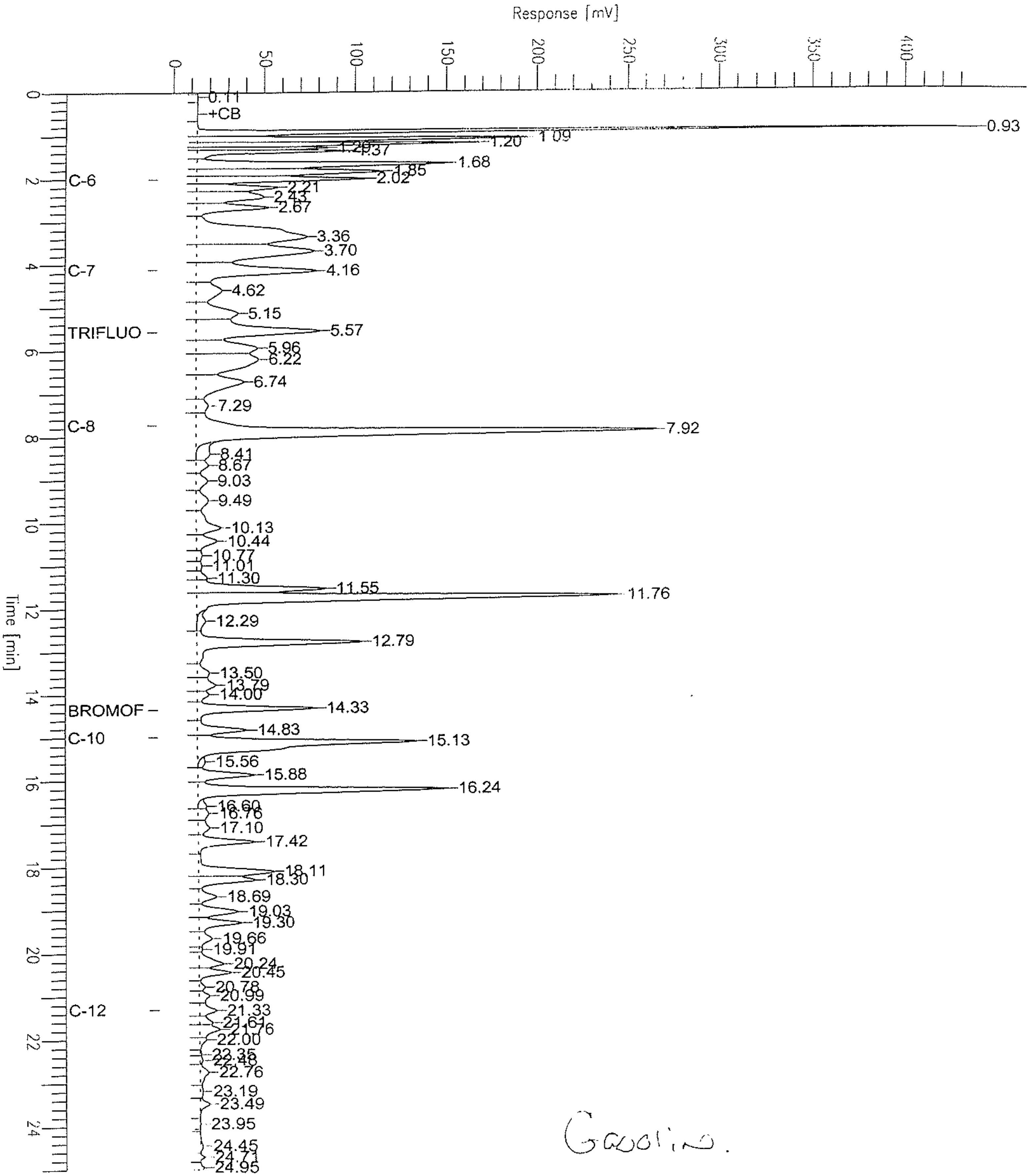


SB-1057-7.5'

Chromatogram

Sample Name : ccv/lcs,qc286795.100264,S73,5/5000
FileName : G:\GC05\DATA\079G001.raw
Method : TVHBTXE
Start Time : 0.00 min   End Time : 25.00 min
Scale Factor: 1.0   Plot Offset: -8 mV

Sample #:
Date : 3/20/05 11:13 AM
Time of Injection: 3/20/05 10:48 AM
Low Point : -8.21 mV   High Point : 438.85 mV
Plot Scale: 447.1 mV



Gasoline.

Curtis & Tompkins, Ltd

Total Volatile Hydrocarbons

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	100264
Units:	mg/Kg	Sampled:	03/18/05
Basis:	as received	Received:	03/18/05
Diln Fac:	1.000	Analyzed:	03/20/05

Field ID: SB-105-15-15.5' Lab ID: 178376-010
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	91	60-138
Bromofluorobenzene (FID)	96	66-148

Field ID: SB-105-19.5-20' Lab ID: 178376-012
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	90	60-138
Bromofluorobenzene (FID)	93	66-148

Field ID: SB-B-7.5' Lab ID: 178376-014
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	94	60-138
Bromofluorobenzene (FID)	98	66-148

Field ID: SB-A-3-3.5' Lab ID: 178376-015
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	92	60-138
Bromofluorobenzene (FID)	95	66-148

H= Heavier hydrocarbons contributed to the quantitation
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd

Total Volatile Hydrocarbons

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	100264
Units:	mg/Kg	Sampled:	03/18/05
Basis:	as received	Received:	03/18/05
Diln Fac:	1.000	Analyzed:	03/20/05

Field ID: SB-A-8' Lab ID: 178376-016
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	97	60-138
Bromofluorobenzene (FID)	103	66-148

Type: BLANK Lab ID: QC286794

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	95	60-138
Bromofluorobenzene (FID)	97	66-148

H= Heavier hydrocarbons contributed to the quantitation
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC286795	Diln Fac:	1.000
Matrix:	Soil	Batch#:	100264
Units:	mg/Kg	Analyzed:	03/20/05

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.583	96	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	129	60-138
Bromofluorobenzene (FID)	107	66-148

Curtis & Tompkins, Ltd

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Field ID:	SB-104-25.5-26'	Diln Fac:	1.000
MSS Lab ID:	178376-005	Batch#:	100264
Matrix:	Soil	Sampled:	03/18/05
Units:	mg/Kg	Received:	03/18/05
Basis:	as received	Analyzed:	03/20/05

Type: MS Lab ID: QC286802

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.05885	9.901	9.326	94	43-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	132	60-138
Bromofluorobenzene (FID)	112	66-148

Type: MSD Lab ID: QC286803

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.53	9.905	94	43-120	0	27

Surrogate	%REC	Limits
Trifluorotoluene (FID)	132	60-138
Bromofluorobenzene (FID)	112	66-148

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd

Total Extractable Hydrocarbons

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	C01-09171.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/18/05
Units:	ug/L	Received:	03/18/05
Diln Fac:	1.000	Prepared:	03/22/05
Batch#:	100358		

Field ID:	SB-104-8'	Lab ID:	178376-006
Type:	SAMPLE	Analyzed:	03/23/05

Analyte	Result	RL
Diesel C10-C24	540 H L Y	50

Surrogate	%REC	Limits
Hexacosane	92	55-143

Field ID:	SB-105-12'	Lab ID:	178376-007
Type:	SAMPLE	Analyzed:	03/23/05

Analyte	Result	RL
Diesel C10-C24	8,500 L Y	50

Surrogate	%REC	Limits
Hexacosane	93	55-143

Field ID:	SB-A-8'	Lab ID:	178376-017
Type:	SAMPLE	Analyzed:	03/23/05

Analyte	Result	RL
Diesel C10-C24	2,700 H L Y	50

Surrogate	%REC	Limits
Hexacosane	92	55-143

Field ID:	SB-B-9'	Lab ID:	178376-018
Type:	SAMPLE	Analyzed:	03/24/05

Analyte	Result	RL
Diesel C10-C24	2,300 H Y	50

Surrogate	%REC	Limits
Hexacosane	67	55-143

Type:	BLANK	Analyzed:	03/23/05
Lab ID:	QC287213	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50

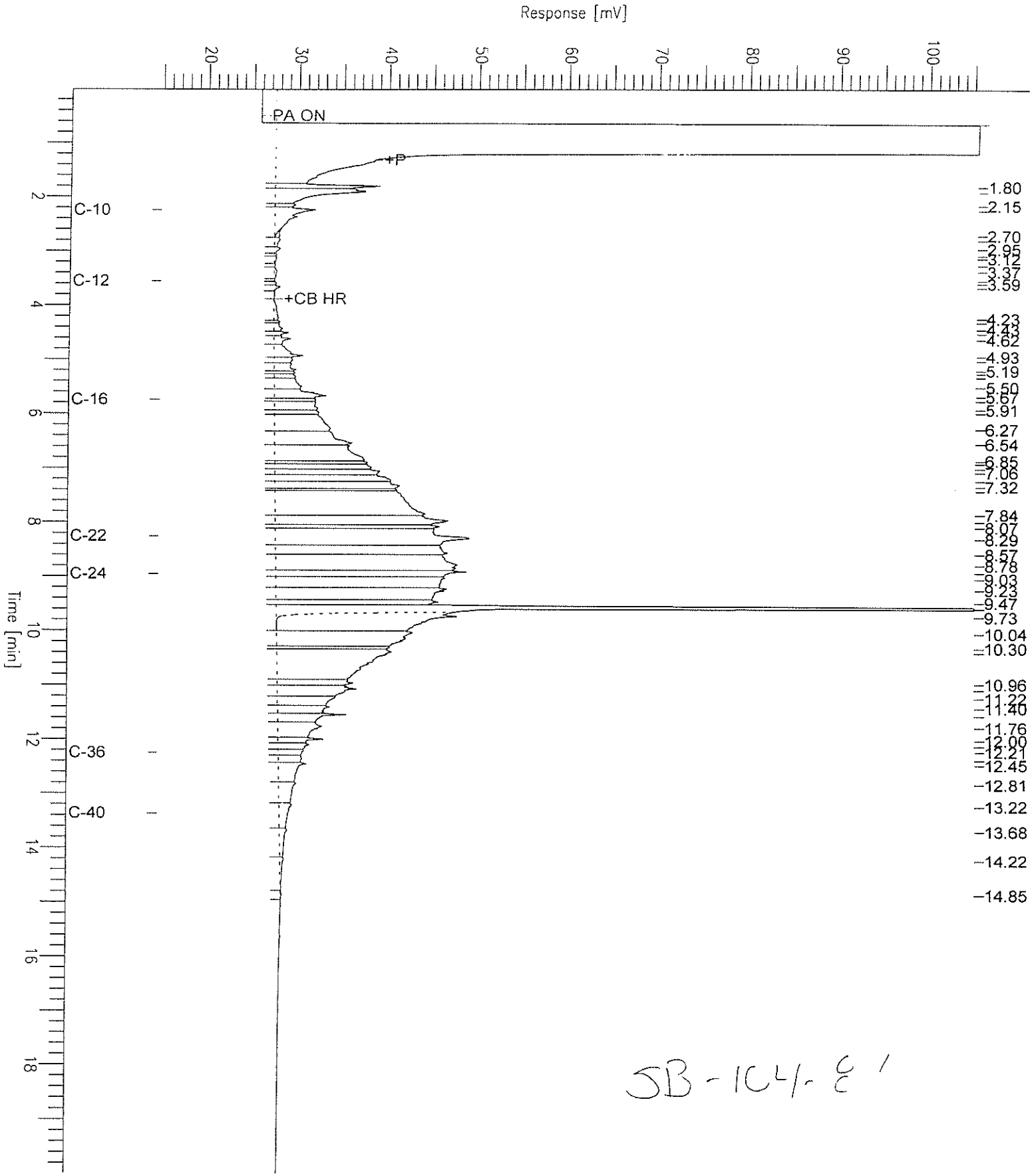
Surrogate	%REC	Limits
Hexacosane	105	55-143

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

Chromatogram

Sample Name : 178376-006,100358
FileName : G:\GC17\CHA\079A111.RAW
Method : ATEH077.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 15 mV

Sample #: 100358 Page 1 of 1
Date : 3/24/05 09:20 AM
Time of Injection: 3/23/05 08:46 PM
Low Point : 14.90 mV High Point : 105.50 mV
Plot Scale: 90.6 mV

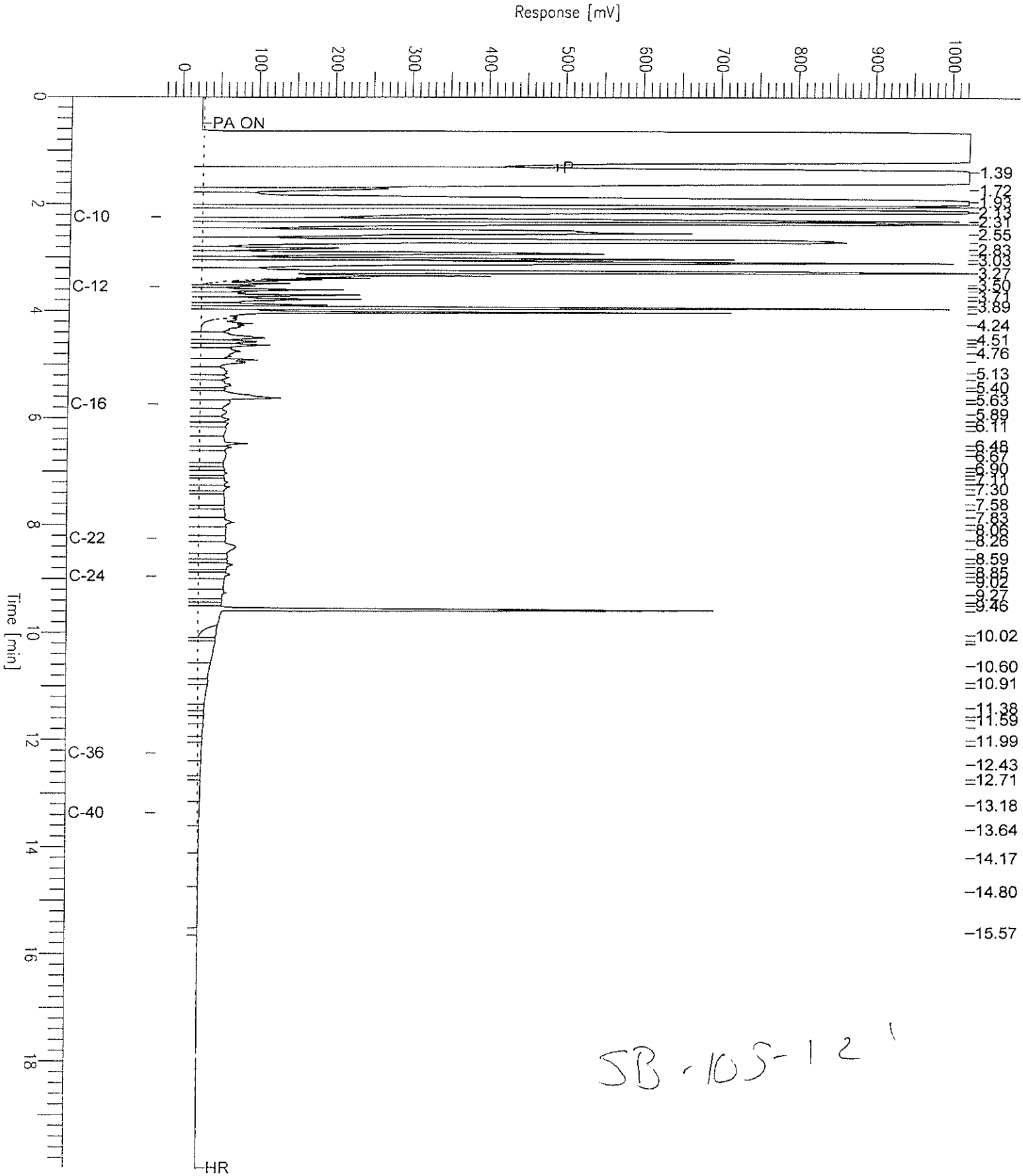


SB-104-E1

Chromatogram

Sample Name : 178376-007,100358
FileName : G:\GC17\CHA\079A112.RAW
Method : ATEH077.MTH
Start Time : 0.00 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: -27 mV

Sample #: 100358 Page 1 of 1
Date : 3/24/05 09:55 AM
Time of Injection: 3/23/05 09:14 PM
Low Point : -26.71 mV High Point : 1024.00 mV
Plot Scale: 1050.7 mV

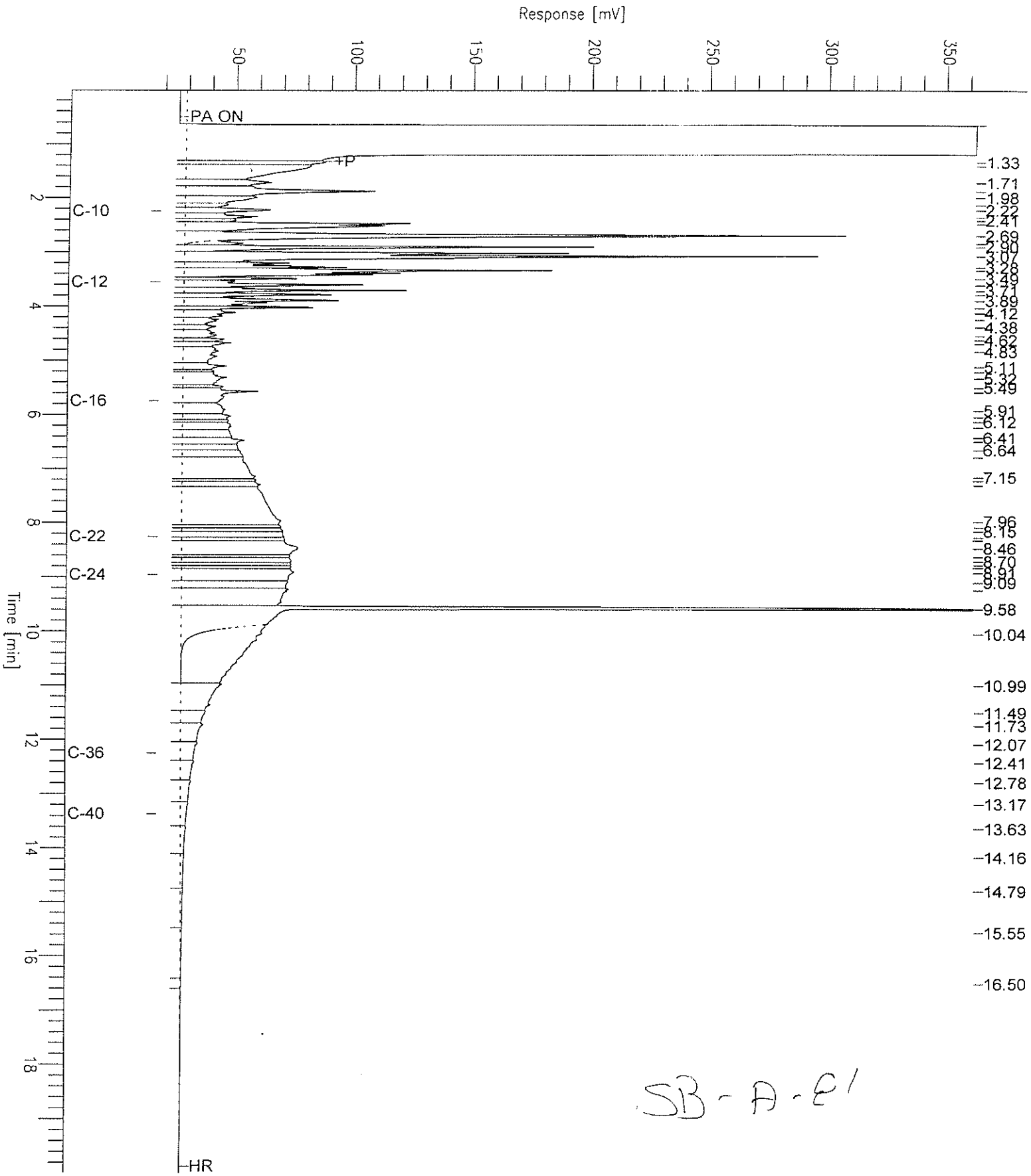


SB-105-12

Chromatogram

Sample Name : 178376-017,100358
FileName : G:\GC17\CHA\079A113.RAW
Method : ATEH077.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 19 mV

Sample #: 100358 Page 1 of 1
Date : 3/24/05 09:22 AM
Time of Injection: 3/23/05 09:43 PM
Low Point : 18.69 mV High Point : 362.66 mV
Plot Scale: 344.0 mV

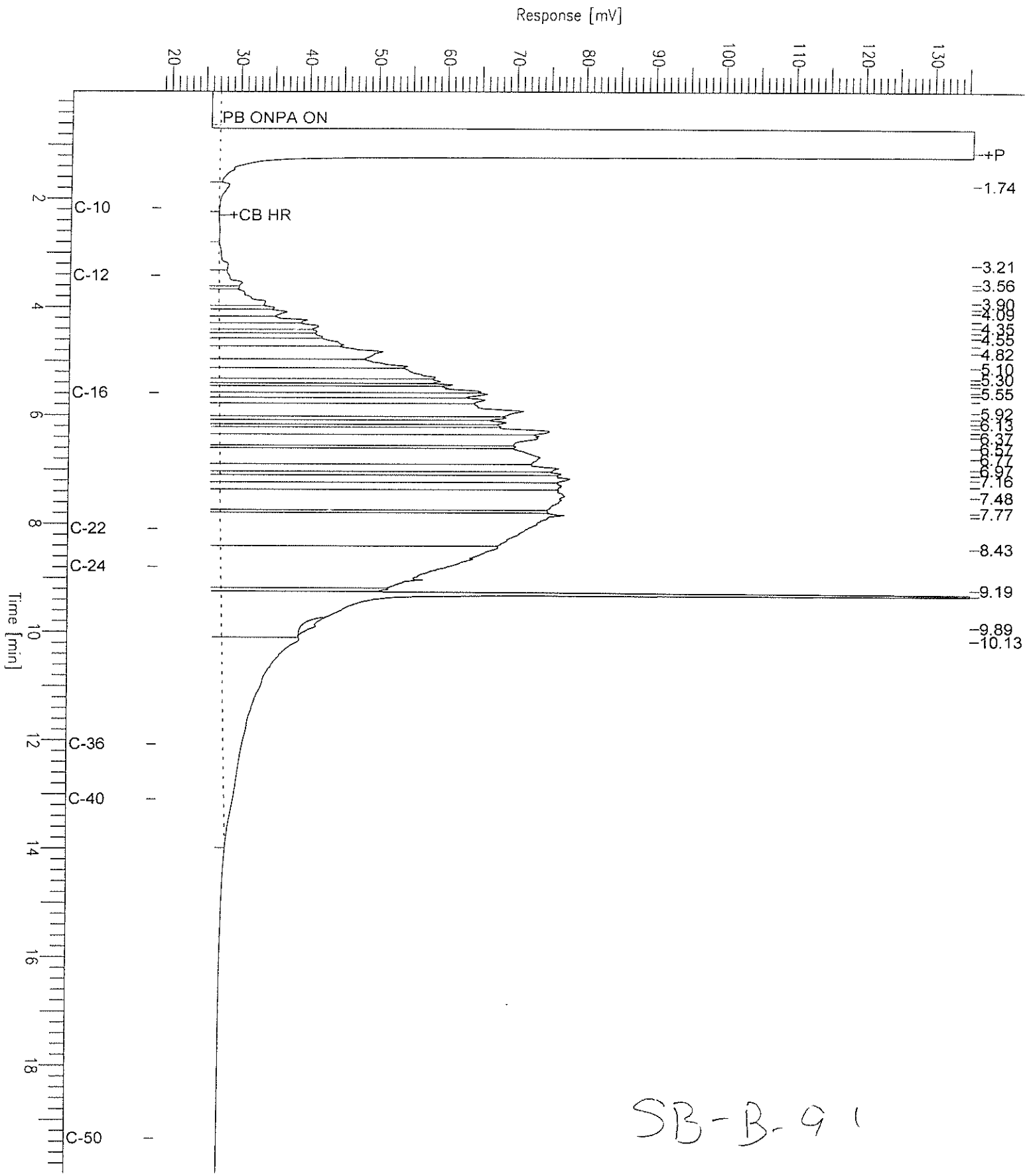


SB-A-E1

Chromatogram

Sample Name : 178376-018,100358
FileName : G:\GC15\CHB\080B105.RAW
Method : BTEH053S.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 19 mV

Sample #: 100358 Page 1 of 1
Date : 3/24/05 09:04 AM
Time of Injection: 3/24/05 12:59 AM
Low Point : 18.62 mV High Point : 135.68 mV
Plot Scale: 117.1 mV

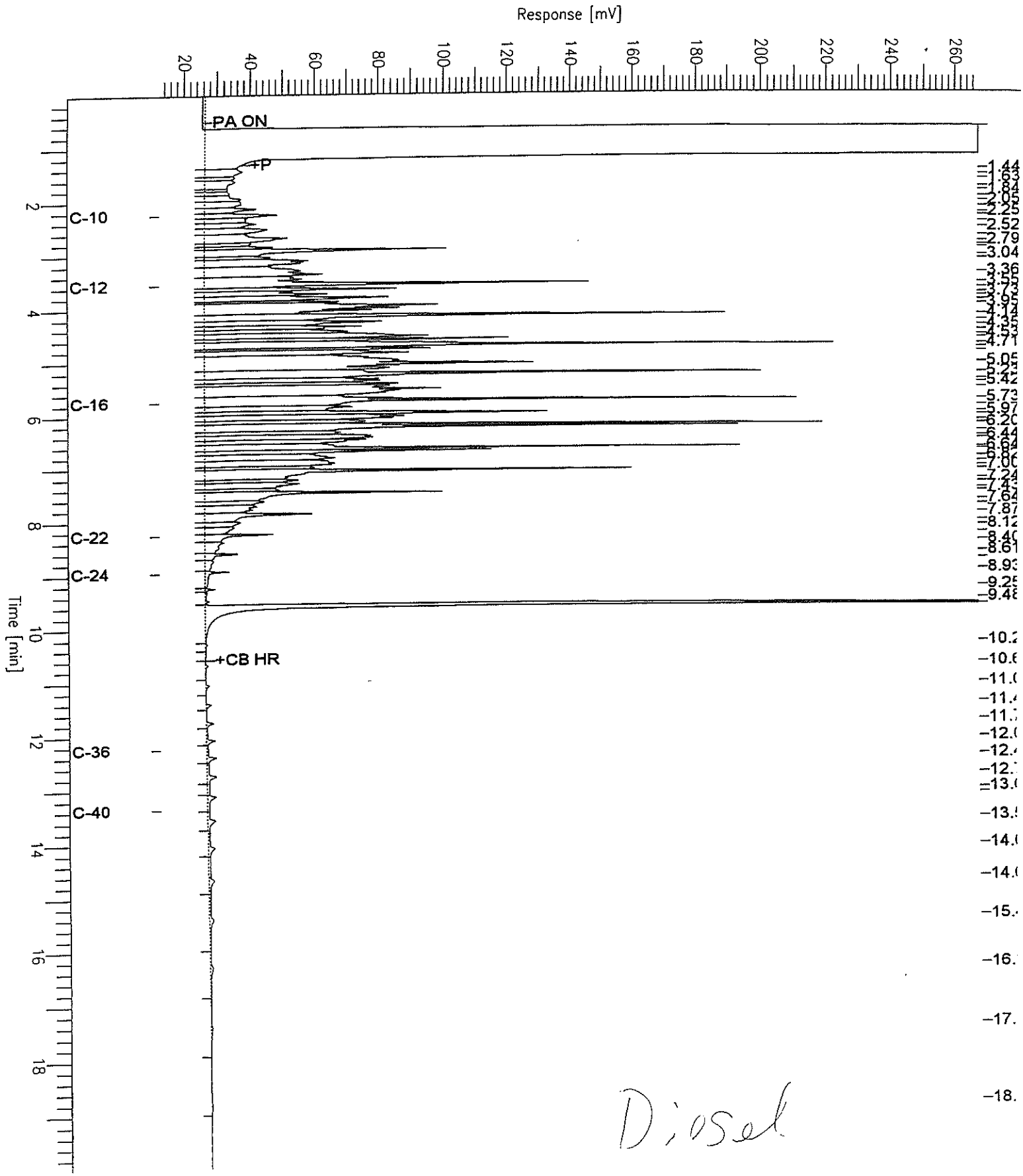


SB-B-91

Chromatogram

Sample Name : ccv,s72,dsl
FileName : G:\GC17\CHA\079A003.RAW
Method : ATEH077.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 12 mV

Sample #: 500mg/L Page 1 of 1
Date : 3/20/05 06:27 PM
Time of Injection: 3/20/05 05:31 PM
Low Point : 12.40 mV High Point : 267.65 mV
Plot Scale: 255.2 mV



Diesel

Curtis & Tompkins, Ltd

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	100358
Units:	ug/L	Prepared:	03/22/05
Diln Fac:	1.000	Analyzed:	03/23/05

Type: BS
Lab ID: QC287214
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,920	117	50-133

Surrogate	%REC	Limits
Hexacosane	95	55-143

Type: BSD
Lab ID: QC287215
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	3,190	128	50-133	9	40

Surrogate	%REC	Limits
Hexacosane	105	55-143

RPD= Relative Percent Difference

17.0

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Sampled:	03/18/05
Basis:	as received	Received:	03/18/05

Field ID:	SB-104-14-14.5'	Batch#:	100342
Type:	SAMPLE	Prepared:	03/22/05
Lab ID:	178376-001	Analyzed:	03/24/05

Analyte	Result	RL
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
Hexacosane	91	51-136

Field ID:	SB-104-19.5-20'	Batch#:	100342
Type:	SAMPLE	Prepared:	03/22/05
Lab ID:	178376-003	Analyzed:	03/23/05

Analyte	Result	RL
Diesel C10-C24	ND	0.99

Surrogate	%REC	Limits
Hexacosane	90	51-136

Field ID:	SB-104-25.5-26'	Batch#:	100342
Type:	SAMPLE	Prepared:	03/22/05
Lab ID:	178376-005	Analyzed:	03/24/05

Analyte	Result	RL
Diesel C10-C24	ND	0.99

Surrogate	%REC	Limits
Hexacosane	94	51-136

Field ID:	SB-105-7-7.5'	Batch#:	100342
Type:	SAMPLE	Prepared:	03/22/05
Lab ID:	178376-008	Analyzed:	03/24/05

Analyte	Result	RL
Diesel C10-C24	1.3 H Y	0.99

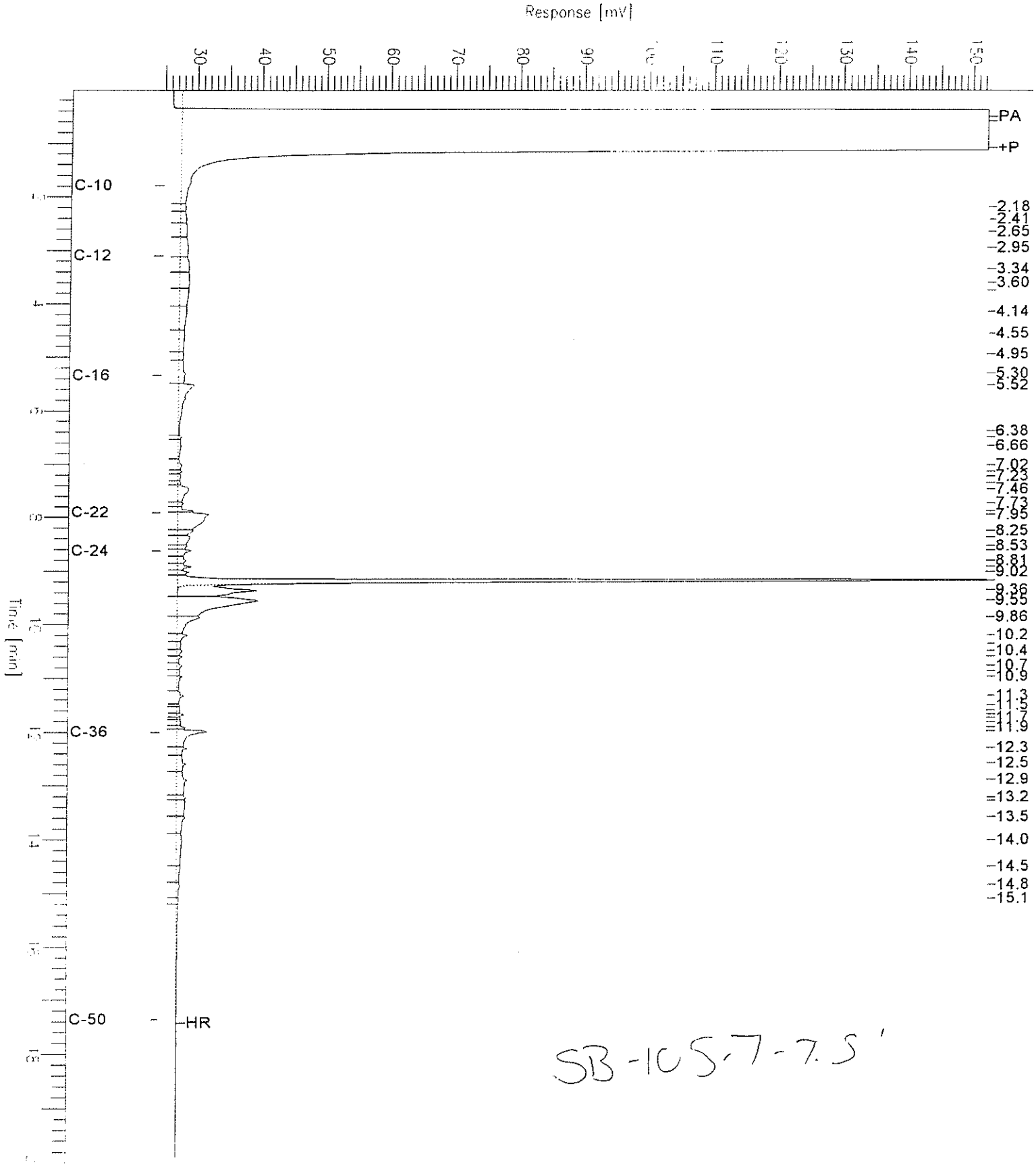
Surrogate	%REC	Limits
Hexacosane	71	51-136

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

Chromatogram

Sample Name : 178376-008,100342
FileName : G:\GC11\CHA\080A109.RAW
Method : ATEH072S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 25 mV

Sample #: 100342 Page 1 of 1
Date : 3/24/05 09:06 AM
Time of Injection: 3/24/05 12:51 AM
Low Point : 24.93 mV High Point : 152.35 mV
Plot Scale: 127.4 mV



SB-105-7-7.5'

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Sampled:	03/18/05
Basis:	as received	Received:	03/18/05

Field ID:	SB-105-15-15.5'	Batch#:	100342
Type:	SAMPLE	Prepared:	03/22/05
Lab ID:	178376-010	Analyzed:	03/24/05

Analyte	Result	RL
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
Hexacosane	54	51-136

Field ID:	SB-105-19.5-20'	Batch#:	100342
Type:	SAMPLE	Prepared:	03/22/05
Lab ID:	178376-012	Analyzed:	03/24/05

Analyte	Result	RL
Diesel C10-C24	ND	0.99

Surrogate	%REC	Limits
Hexacosane	82	51-136

Field ID:	SB-B-7.5'	Batch#:	100342
Type:	SAMPLE	Prepared:	03/22/05
Lab ID:	178376-014	Analyzed:	03/24/05

Analyte	Result	RL
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
Hexacosane	58	51-136

Field ID:	SB-A-3-3.5'	Batch#:	100342
Type:	SAMPLE	Prepared:	03/22/05
Lab ID:	178376-015	Analyzed:	03/24/05

Analyte	Result	RL
Diesel C10-C24	24 H Y	0.99

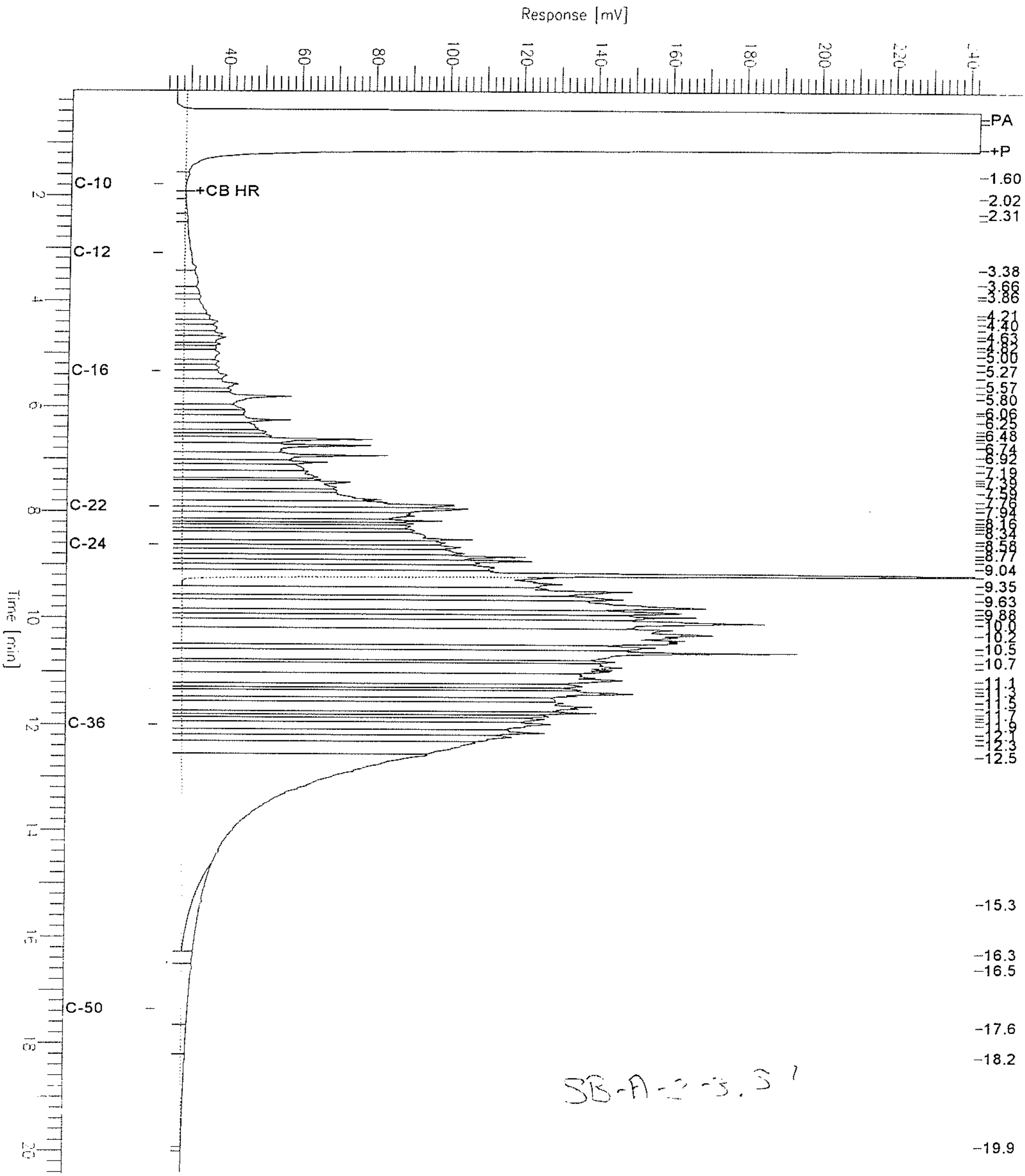
Surrogate	%REC	Limits
Hexacosane	64	51-136

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

Chromatogram

Sample Name : 178376-015,100342
FileName : G:\GC11\CHA\080A116.RAW
Method : ATEH072S.MTH
Start Time : 0.01 min   End Time : 20.45 min
Scale Factor: 0.0   Plot Offset: 23 mV

Sample #: 100342   Page 1 of 1
Date : 3/24/05 09:09 AM
Time of Injection: 3/24/05 04:19 AM
Low Point : 22.82 mV   High Point : 242.63 mV
Plot Scale: 219.8 mV



SB-A-2-3.5'

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Sampled:	03/18/05
Basis:	as received	Received:	03/18/05

Field ID:	SB-A-8'	Batch#:	100378
Type:	SAMPLE	Prepared:	03/23/05
Lab ID:	178376-016	Analyzed:	03/24/05

Analyte	Result	RL
Diesel C10-C24	2.3 H Y	0.99

Surrogate	%REC	Limits
Hexacosane	62	51-136

Type:	BLANK	Prepared:	03/22/05
Lab ID:	QC287143	Analyzed:	03/23/05
Batch#:	100342		

Analyte	Result	RL
Diesel C10-C24	ND	0.99

Surrogate	%REC	Limits
Hexacosane	92	51-136

Type:	BLANK	Prepared:	03/23/05
Lab ID:	QC287286	Analyzed:	03/23/05
Batch#:	100378		

Analyte	Result	RL
Diesel C10-C24	ND	1.0

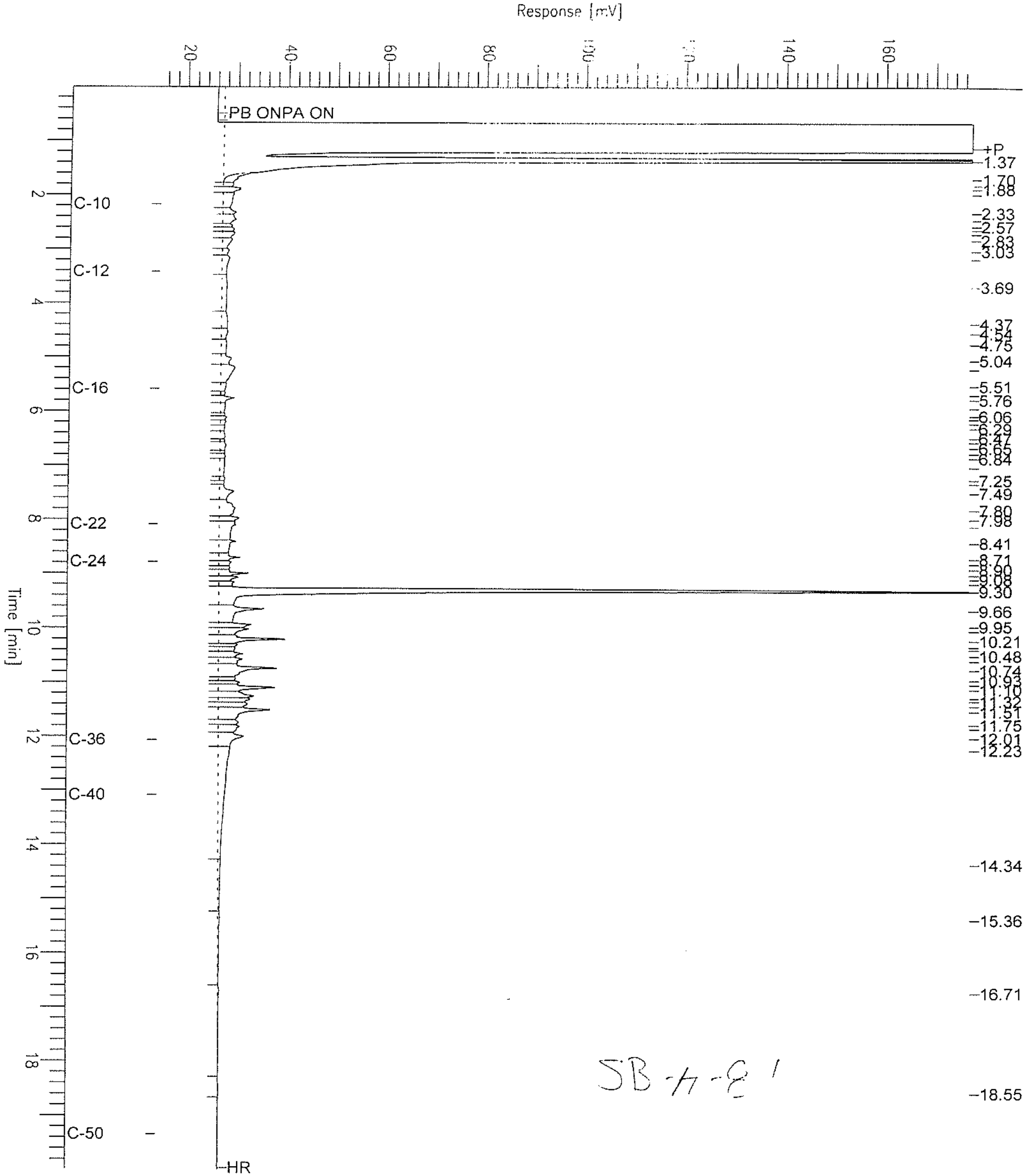
Surrogate	%REC	Limits
Hexacosane	76	51-136

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

Chromatogram

Sample Name : 178376-016,100378
FileName : G:\GC15\CHB\080B108.RAW
Method : BTEH053S.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 15 mV

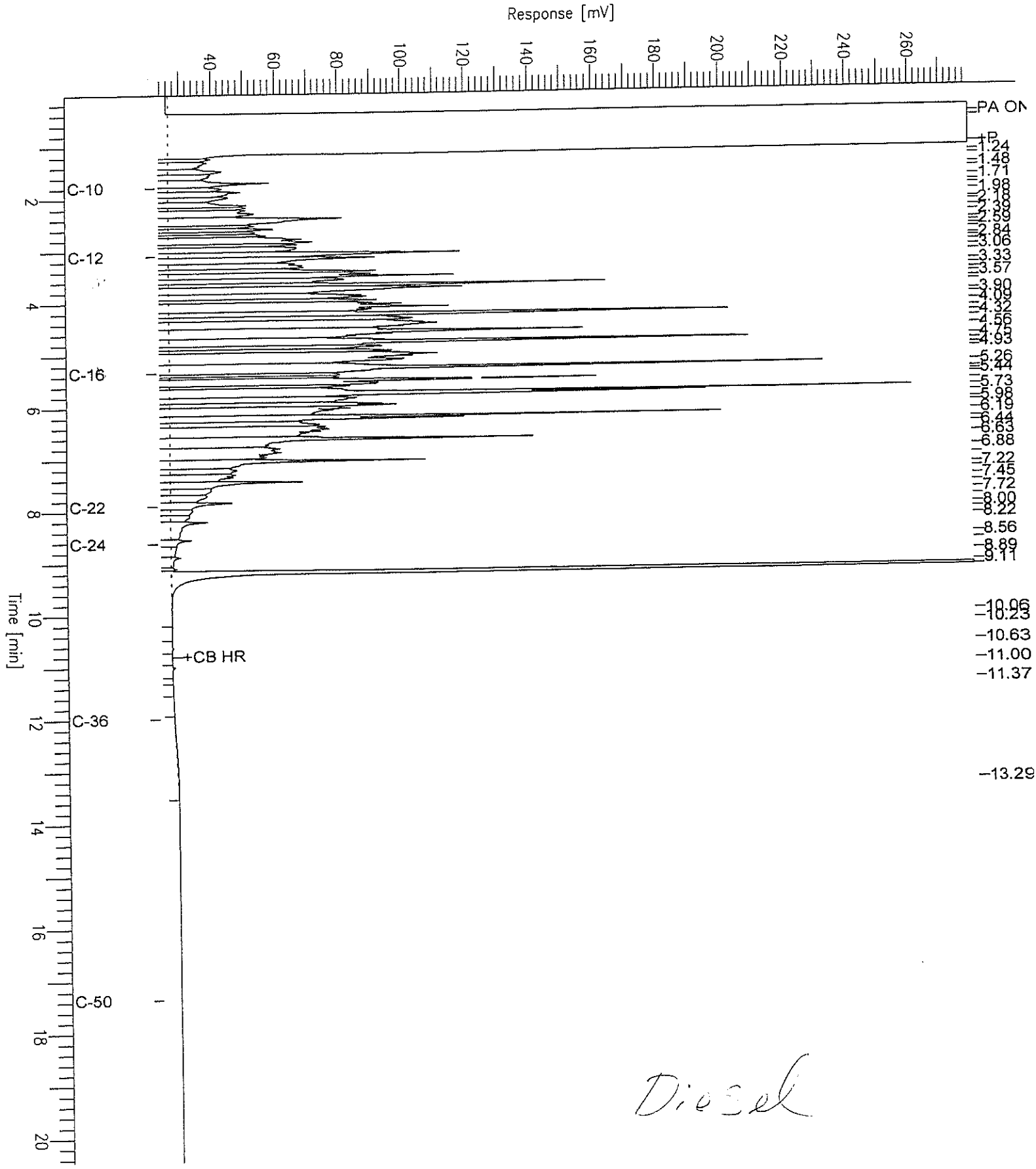
Sample #: 100378 Page 1 of 1
Date : 3/24/05 09:06 AM
Time of Injection: 3/24/05 02:26 AM
Low Point : 14.91 mV High Point : 177.35 mV
Plot Scale: 162.4 mV



Chromatogram

ample Name : ccv,S72,dsl
'ileName : G:\GC11\CHA\080A006.RAW
ethod : ATEH072S.MTH
tart Time : 0.01 min End Time : 20.45 min
cale Factor: 0.0 Plot Offset: 23 mV

Sample #: 500mg/L
Date : 3/21/05 03:44 PM
Time of Injection: 3/21/05 03:09 PM
Low Point : 22.64 mV High Point : 279.59 mV
Plot Scale: 257.0 mV



Diesel

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09171.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC287144	Batch#:	100342
Matrix:	Soil	Prepared:	03/22/05
Units:	mg/Kg	Analyzed:	03/23/05
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.93	52.64	105	52-137

Surrogate	%REC	Limits
Hexacosane	87	51-136

Curtis & Tompkins, Ltd

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09171.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC287287	Batch#:	100378
Matrix:	Soil	Prepared:	03/23/05
Units:	mg/Kg	Analyzed:	03/23/05
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.52	40.55	82	52-137

Surrogate	%REC	Limits
Hexacosane	70	51-136

Curtis & Tompkins, Ltd

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09171.01	Analysis:	EPA 8015B
Field ID:	SB-101-15-15.5'	Batch#:	100342
MSS Lab ID:	178335-003	Sampled:	03/17/05
Matrix:	Soil	Received:	03/17/05
Units:	mg/Kg	Prepared:	03/22/05
Basis:	as received	Analyzed:	03/23/05
Diln Fac:	1.000		

Type: MS Lab ID: QC287145

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	7.936	49.99	33.10	50	11-169

Surrogate	%REC	Limits
Hexacosane	56	51-136

Type: MSD Lab ID: QC287146

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.53	48.06	81	11-169	38	49

Surrogate	%REC	Limits
Hexacosane	80	51-136

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09171.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	100378
MSS Lab ID:	178380-001	Sampled:	03/17/05
Matrix:	Soil	Received:	03/18/05
Units:	mg/Kg	Prepared:	03/23/05
Basis:	as received	Analyzed:	03/24/05
Diln Fac:	1.000		

Type: MS Lab ID: QC287288

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	75.83	49.61	122.7	95	11-169

Surrogate	%REC	Limits
Hexacosane	81	51-136

Type: MSD Lab ID: QC287289

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.83	124.0	97	11-169	1	49

Surrogate	%REC	Limits
Hexacosane	73	51-136

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-104-8'	Batch#:	100328
Lab ID:	178376-006	Sampled:	03/18/05
Matrix:	Water	Received:	03/18/05
Units:	ug/L	Analyzed:	03/22/05
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	1.9	0.50
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-120
1,2-Dichloroethane-d4	101	80-122
Toluene-d8	98	80-120
Bromofluorobenzene	99	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-105-12'	Batch#:	100328
Lab ID:	178376-007	Sampled:	03/18/05
Matrix:	Water	Received:	03/18/05
Units:	ug/L	Analyzed:	03/23/05
Diln Fac:	142.9		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	1,400
MTBE	4,400	71
Isopropyl Ether (DIPE)	ND	71
Ethyl tert-Butyl Ether (ETBE)	ND	71
1,2-Dichloroethane	ND	71
Benzene	12,000	71
Methyl tert-Amyl Ether (TAME)	ND	71
Toluene	2,900	71
1,2-Dibromoethane	ND	71
Ethylbenzene	1,800	71
m,p-Xylenes	3,700	71
o-Xylene	1,000	71

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120
1,2-Dichloroethane-d4	108	80-122
Toluene-d8	98	80-120
Bromofluorobenzene	100	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd

BTXE & Oxygenates

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-A-8'	Sampled:	03/18/05
Lab ID:	178376-017	Received:	03/18/05
Matrix:	Water	Analyzed:	03/23/05
Units:	ug/L		

Analyte	Result	RL	Diln Fac	Batch#
tert-Butyl Alcohol (TBA)	ND	100	10.00	100328
MTBE	1,100	7.1	14.29	100377
Isopropyl Ether (DIPE)	ND	5.0	10.00	100328
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	10.00	100328
1,2-Dichloroethane	ND	5.0	10.00	100328
Benzene	6.7	5.0	10.00	100328
Methyl tert-Amyl Ether (TAME)	ND	5.0	10.00	100328
Toluene	ND	5.0	10.00	100328
1,2-Dibromoethane	ND	5.0	10.00	100328
Ethylbenzene	ND	5.0	10.00	100328
m,p-Xylenes	ND	5.0	10.00	100328
o-Xylene	ND	5.0	10.00	100328

Surrogate	%REC	Limits	Diln Fac	Batch#
Dibromofluoromethane	98	80-120	10.00	100328
1,2-Dichloroethane-d4	109	80-122	10.00	100328
Toluene-d8	99	80-120	10.00	100328
Bromofluorobenzene	102	80-124	10.00	100328

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-B-9'	Batch#:	100328
Lab ID:	178376-018	Sampled:	03/18/05
Matrix:	Water	Received:	03/18/05
Units:	ug/L	Analyzed:	03/23/05
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	26	10
MTBE	ND	0.50
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120
1,2-Dichloroethane-d4	106	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	102	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd

Batch QC Report

BTXE & Oxygenates

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC287084	Batch#:	100328
Matrix:	Water	Analyzed:	03/22/05
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.50
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	111	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	104	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd

Batch QC Report

BTXE & Oxygenates

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC287284	Batch#:	100377
Matrix:	Water	Analyzed:	03/23/05
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.50
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	111	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	103	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd

Batch QC Report

BTXE & Oxygenates

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	100328
Units:	ug/L	Analyzed:	03/22/05
Diln Fac:	1.000		

Type: BS Lab ID: QC287081

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	132.3	106	65-139
MTBE	25.00	20.84	83	72-129
Isopropyl Ether (DIPE)	25.00	22.15	89	76-120
Ethyl tert-Butyl Ether (ETBE)	25.00	23.28	93	80-120
1,2-Dichloroethane	25.00	24.28	97	75-120
Benzene	25.00	23.53	94	80-120
Methyl tert-Amyl Ether (TAME)	25.00	21.32	85	80-120
Toluene	25.00	24.86	99	80-120
1,2-Dibromoethane	25.00	24.76	99	80-120
Ethylbenzene	25.00	24.98	100	80-120
m,p-Xylenes	50.00	51.10	102	80-120
o-Xylene	25.00	25.60	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-120
1,2-Dichloroethane-d4	101	80-122
Toluene-d8	98	80-120
Bromofluorobenzene	95	80-124

Type: BSD Lab ID: QC287082

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	135.8	109	65-139	3	27
MTBE	25.00	20.86	83	72-129	0	20
Isopropyl Ether (DIPE)	25.00	21.29	85	76-120	4	20
Ethyl tert-Butyl Ether (ETBE)	25.00	22.72	91	80-120	2	20
1,2-Dichloroethane	25.00	24.06	96	75-120	1	20
Benzene	25.00	23.47	94	80-120	0	20
Methyl tert-Amyl Ether (TAME)	25.00	21.34	85	80-120	0	20
Toluene	25.00	24.47	98	80-120	2	20
1,2-Dibromoethane	25.00	24.89	100	80-120	1	20
Ethylbenzene	25.00	25.22	101	80-120	1	20
m,p-Xylenes	50.00	51.96	104	80-120	2	20
o-Xylene	25.00	26.15	105	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-120
1,2-Dichloroethane-d4	99	80-122
Toluene-d8	97	80-120
Bromofluorobenzene	94	80-124

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	100377
Units:	ug/L	Analyzed:	03/23/05
Diln Fac:	1.000		

Type: BS Lab ID: QC287282

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	133.2	107	65-139
MTBE	25.00	21.78	87	72-129
Isopropyl Ether (DIPE)	25.00	23.11	92	76-120
Ethyl tert-Butyl Ether (ETBE)	25.00	24.74	99	80-120
1,2-Dichloroethane	25.00	24.85	99	75-120
Benzene	25.00	23.23	93	80-120
Methyl tert-Amyl Ether (TAME)	25.00	21.45	86	80-120
Toluene	25.00	24.38	98	80-120
1,2-Dibromoethane	25.00	23.52	94	80-120
Ethylbenzene	25.00	24.86	99	80-120
m,p-Xylenes	50.00	48.97	98	80-120
o-Xylene	25.00	24.81	99	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120
1,2-Dichloroethane-d4	109	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	97	80-124

Type: BSD Lab ID: QC287283

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	131.7	105	65-139	1	27
MTBE	25.00	22.90	92	72-129	5	20
Isopropyl Ether (DIPE)	25.00	24.00	96	76-120	4	20
Ethyl tert-Butyl Ether (ETBE)	25.00	25.56	102	80-120	3	20
1,2-Dichloroethane	25.00	27.25	109	75-120	9	20
Benzene	25.00	25.49	102	80-120	9	20
Methyl tert-Amyl Ether (TAME)	25.00	23.06	92	80-120	7	20
Toluene	25.00	26.71	107	80-120	9	20
1,2-Dibromoethane	25.00	26.82	107	80-120	13	20
Ethylbenzene	25.00	26.86	107	80-120	8	20
m,p-Xylenes	50.00	54.88	110	80-120	11	20
o-Xylene	25.00	27.66	111	80-120	11	20

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120
1,2-Dichloroethane-d4	106	80-122
Toluene-d8	101	80-120
Bromofluorobenzene	95	80-124

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd

BTXE & Oxygenates

Lab #:	178376	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-104-14-14.5'	Diln Fac:	5.000
Lab ID:	178376-001	Batch#:	100330
Matrix:	Soil	Sampled:	03/18/05
Units:	ug/Kg	Received:	03/18/05
Basis:	as received	Analyzed:	03/22/05

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	500
MTBE	430	25
Isopropyl Ether (DIPE)	ND	25
Ethyl tert-Butyl Ether (ETBE)	ND	25
1,2-Dichloroethane	ND	25
Benzene	ND	25
Methyl tert-Amyl Ether (TAME)	ND	25
Toluene	ND	25
1,2-Dibromoethane	ND	25
Ethylbenzene	49	25
m,p-Xylenes	57	25
o-Xylene	ND	25

Surrogate	%REC	Limits
Dibromofluoromethane	103	78-120
1,2-Dichloroethane-d4	120	80-120
Toluene-d8	102	80-120
Bromofluorobenzene	101	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/17/05
Units:	ug/L	Received:	03/17/05
Batch#:	100217		

Field ID: SB-101-28' Diln Fac: 1.000
Type: SAMPLE Analyzed: 03/18/05
Lab ID: 178335-006

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	63-141
Bromofluorobenzene (FID)	116	79-139

Field ID: SB-102-12' Diln Fac: 1.000
Type: SAMPLE Analyzed: 03/18/05
Lab ID: 178335-010

Analyte	Result	RL
Gasoline C7-C12	980 Y	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	112	63-141
Bromofluorobenzene (FID)	121	79-139

Field ID: SB-102-16' Diln Fac: 25.00
Type: SAMPLE Analyzed: 03/18/05
Lab ID: 178335-012

Analyte	Result	RL
Gasoline C7-C12	130,000	1,300

Surrogate	%REC	Limits
Trifluorotoluene (FID)	111	63-141
Bromofluorobenzene (FID)	114	79-139

Field ID: SB-102-24' Diln Fac: 40.00
Type: SAMPLE Analyzed: 03/18/05
Lab ID: 178335-013

Analyte	Result	RL
Gasoline C7-C12	93,000	2,000

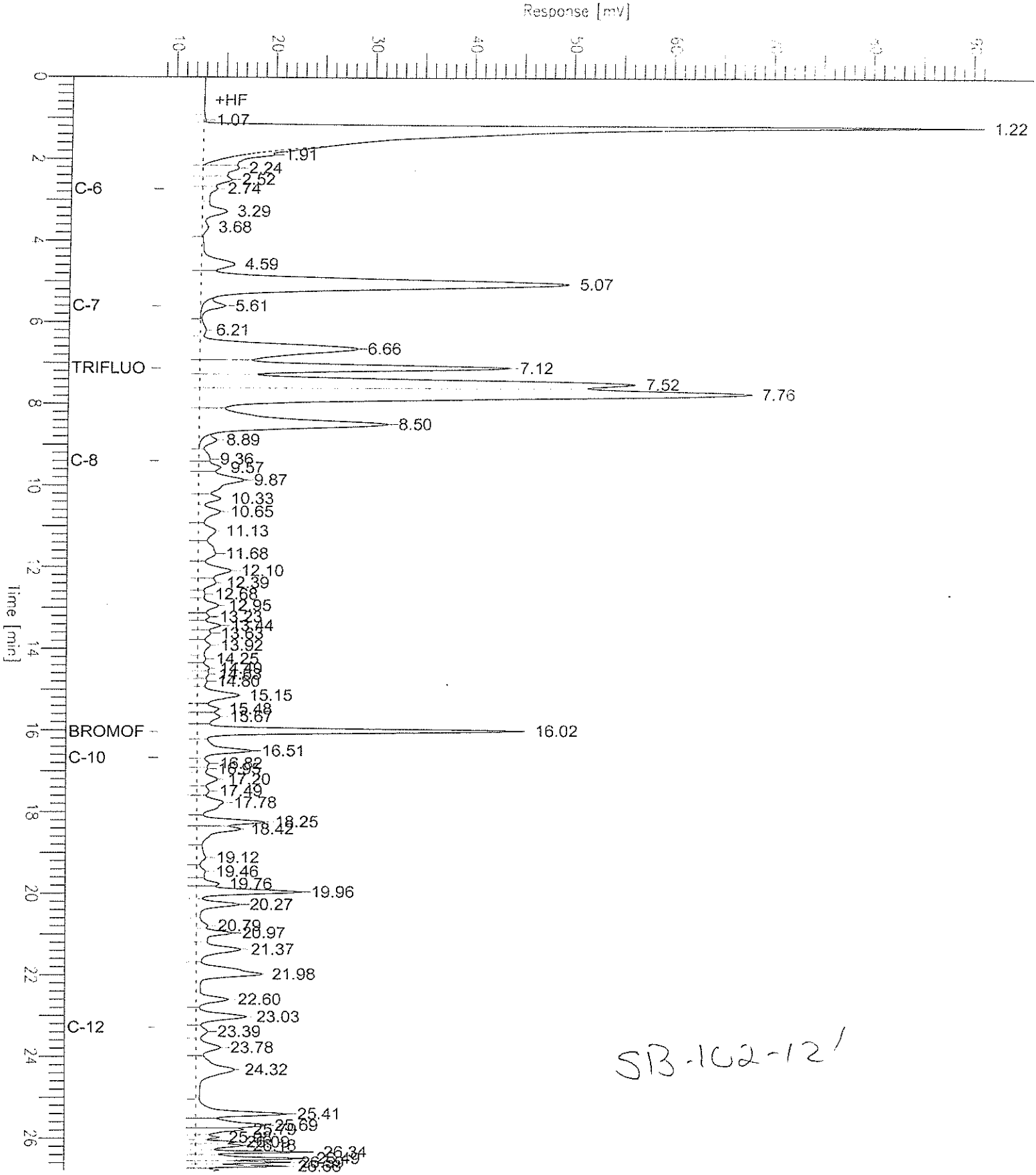
Surrogate	%REC	Limits
Trifluorotoluene (FID)	111	63-141
Bromofluorobenzene (FID)	113	79-139

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

GC19 TVH 'X' Data File (FID)

Sample Name : 178335-010,100217,tvh
FileName : G:\GC19\DATA\077X007.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: 1.0 Plot Offset: 9 mV

Sample #: a7 Page 1 of 1
Date : 3/18/05 05:23 PM
Time of Injection: 3/18/05 01:21 PM
Low Point : 8.86 mV High Point : 91.08 mV
Plot Scale: 82.2 mV

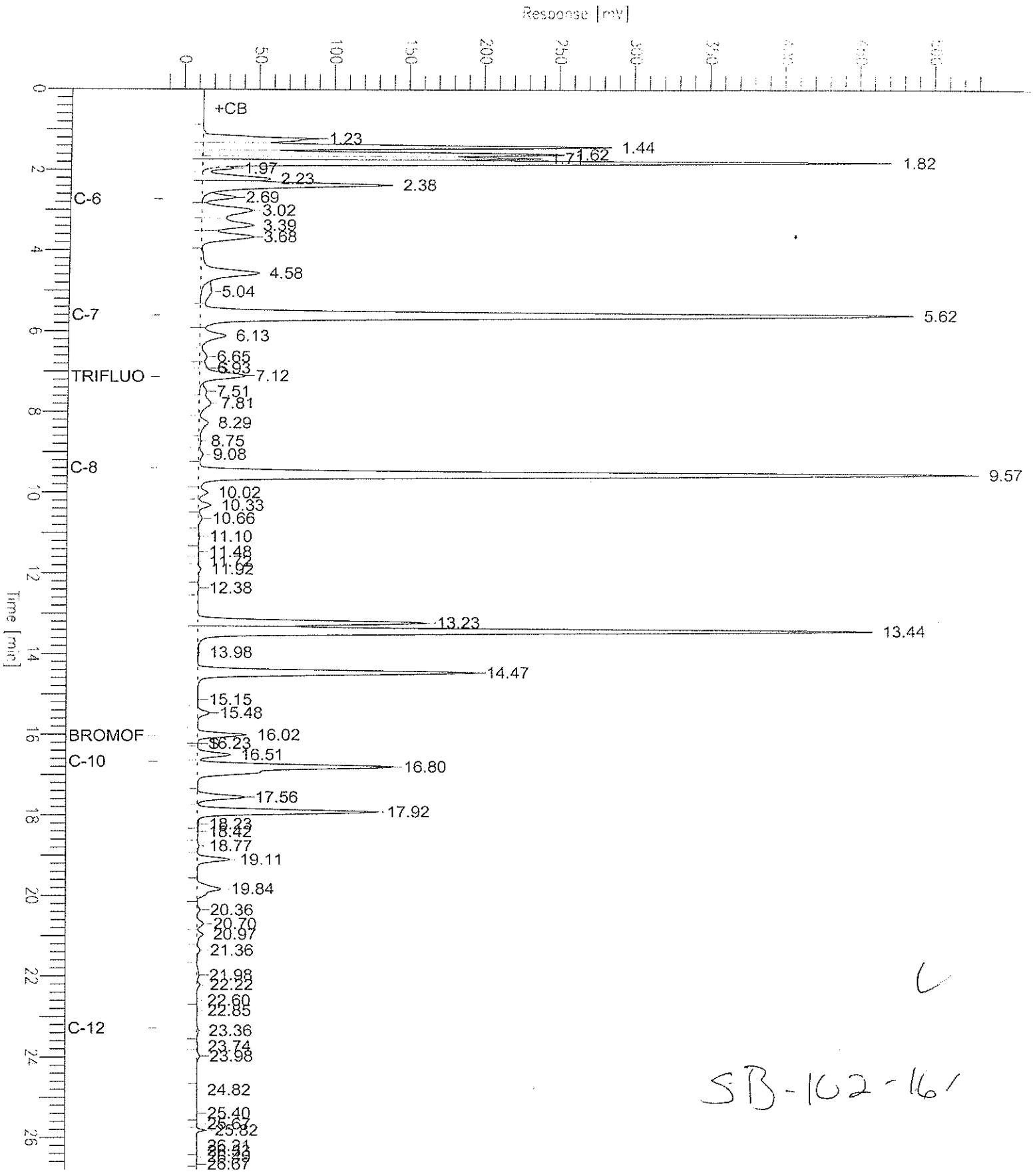


SB-102-12'

GC19 TVH 'X' Data File (FID)

Sample Name : 178335-012,100217,tvh
FileName : G:\GC19\DATA\077X008.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: 1.0 Plot Offset: -13 mV

Sample #: a1.0 Page 1 of 1
Date : 3/18/05 05:23 PM
Time of Injection: 3/18/05 01:56 PM
Low Point : -13.19 mV High Point : 532.26 mV
Plot Scale: 545.5 mV

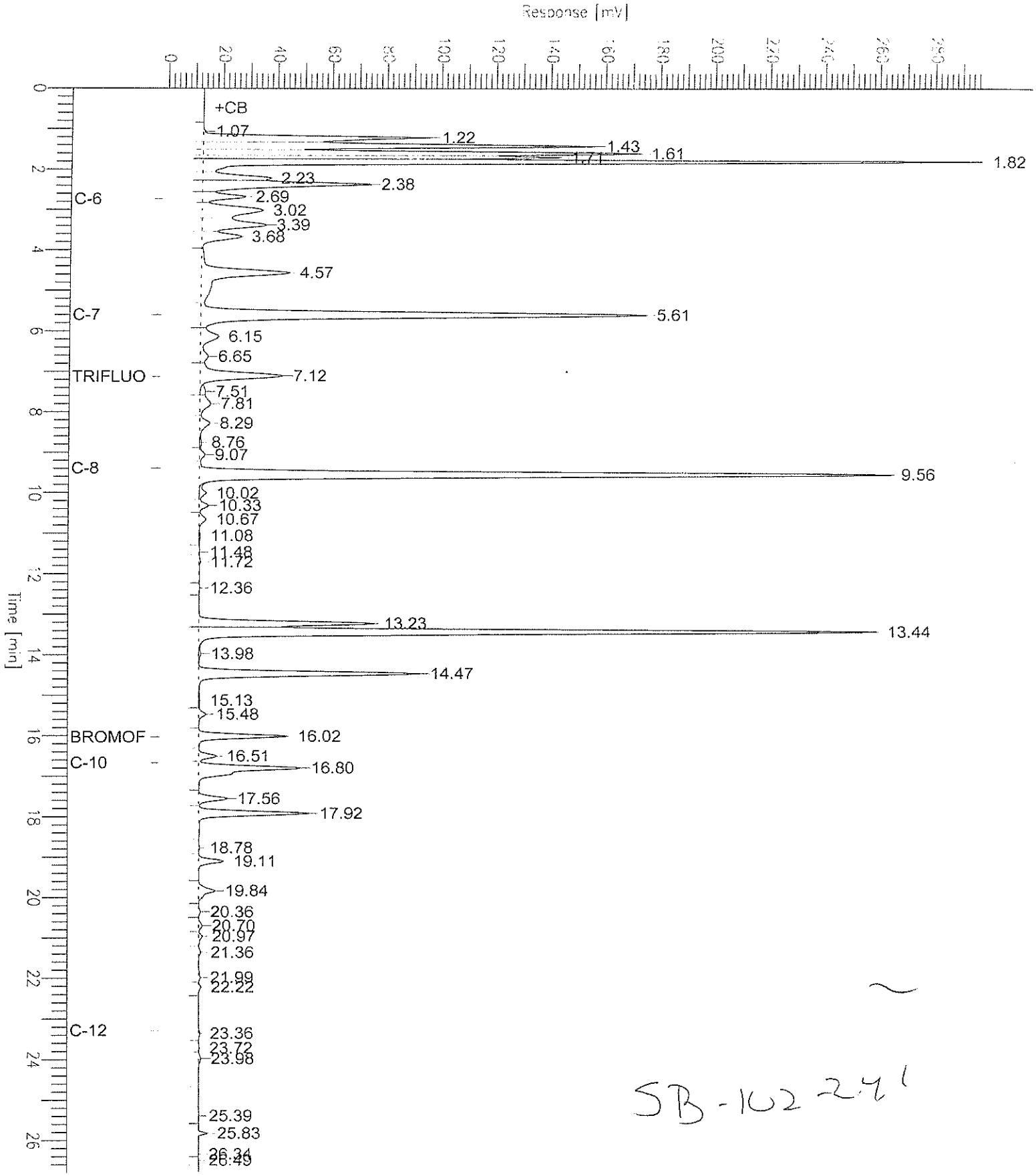


SB-162-161

GC19 TVH 'X' Data File (FID)

Sample Name : 178335-013,100217,tvh
FileName : G:\GC19\DATA\077X009.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: 1.0 Plot Offset: -1 mV

Sample #: a1.0 Page 1 of 1
Date : 3/18/05 02:57 PM
Time of Injection: 3/18/05 02:30 PM
Low Point : -1.45 mV High Point : 297.36 mV
Plot Scale: 298.8 mV



SB-102-24'

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/17/05
Units:	ug/L	Received:	03/17/05
Batch#:	100217		

Field ID: SB-103-14' Diln Fac: 1.000
Type: SAMPLE Analyzed: 03/18/05
Lab ID: 178335-015

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	107	63-141
Bromofluorobenzene (FID)	122	79-139

Field ID: SB-103-18' Diln Fac: 25.00
Type: SAMPLE Analyzed: 03/18/05
Lab ID: 178335-018

Analyte	Result	RL
Gasoline C7-C12	95,000	1,300

Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	63-141
Bromofluorobenzene (FID)	114	79-139

Field ID: SB-103-26' Diln Fac: 5.000
Type: SAMPLE Analyzed: 03/19/05
Lab ID: 178335-019

Analyte	Result	RL
Gasoline C7-C12	14,000	250

Surrogate	%REC	Limits
Trifluorotoluene (FID)	131	63-141
Bromofluorobenzene (FID)	122	79-139

Type: BLANK Diln Fac: 1.000
Lab ID: QC286606 Analyzed: 03/18/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

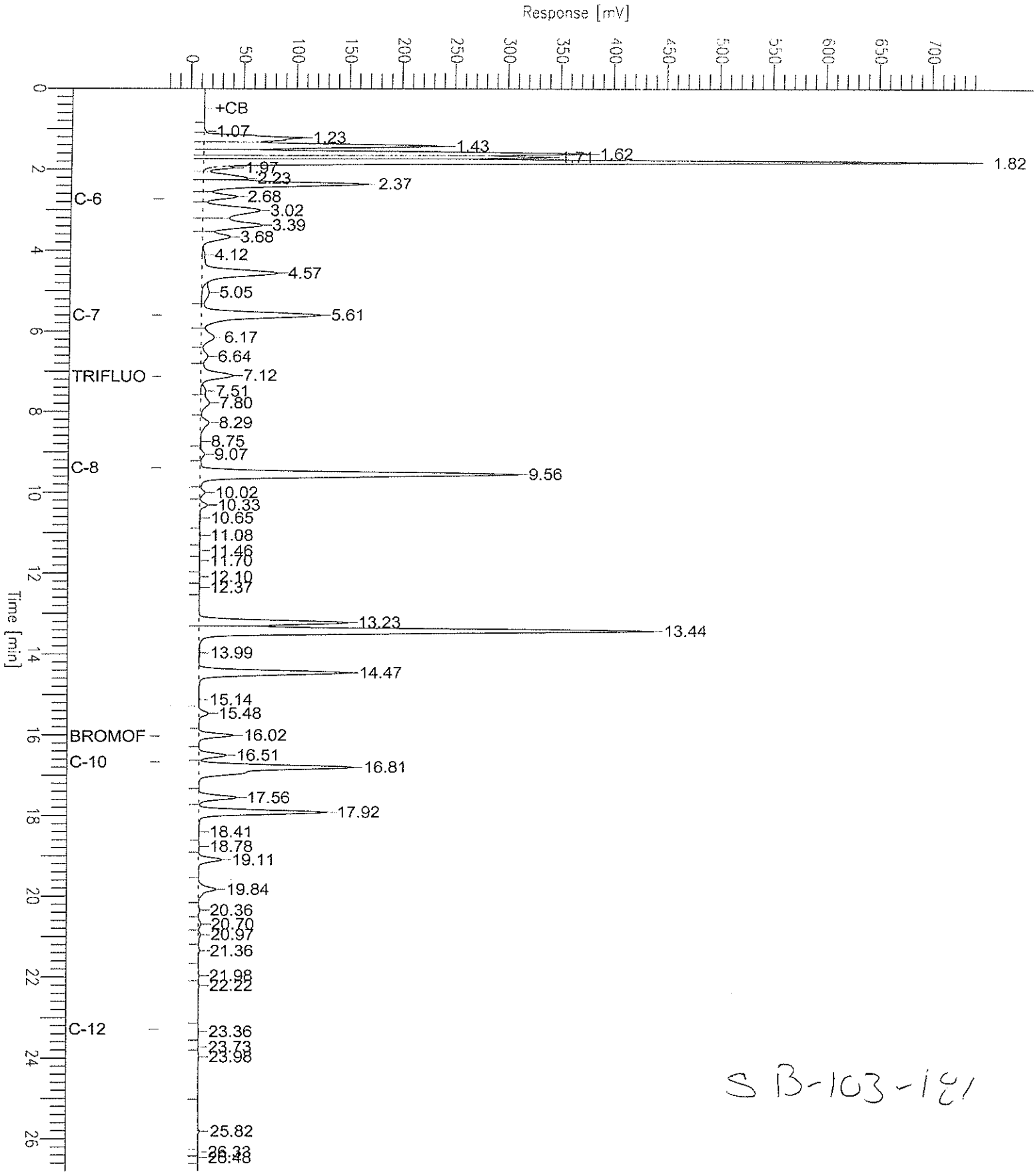
Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	63-141
Bromofluorobenzene (FID)	106	79-139

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

GC19 TVH 'X' Data File (FID)

Sample Name : 178335-018,100217,tvh
FileName : G:\GC19\DATA\077X010.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: 1.0 Plot Offset: -24 mV

Sample #: a1.0 Page 1 of 1
Date : 3/18/05 03:32 PM
Time of Injection: 3/18/05 03:05 PM
Low Point : -24.04 mV High Point : 748.76 mV
Plot Scale: 772.8 mV

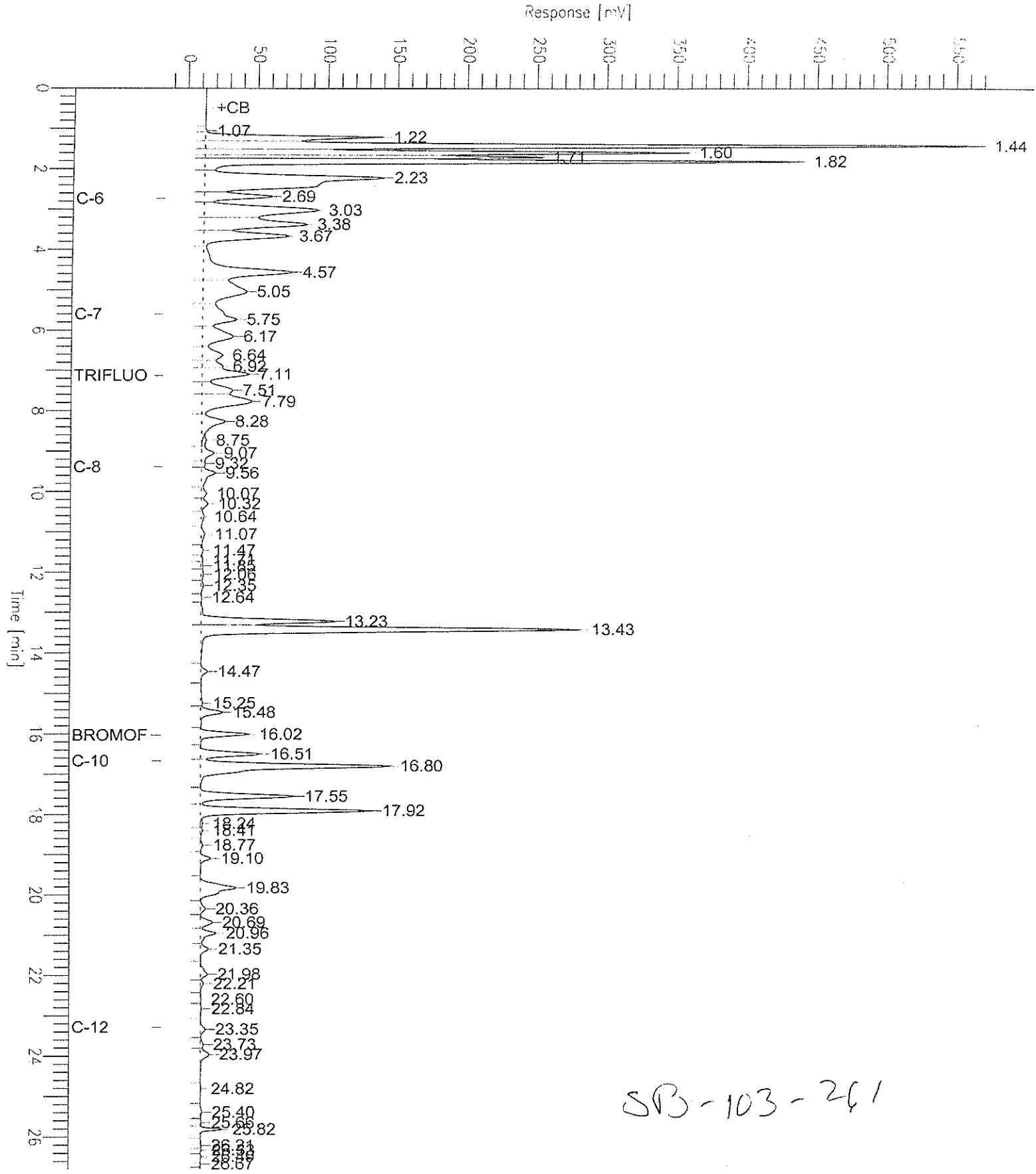


SB-103-121

GC19 TVH 'X' Data File (FID)

Sample Name : 178335-019,100217,tvh
FileName : G:\GC19\DATA\077X031.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: 1.0 Plot Offset: -15 mV

Sample #: a1.0 Page 1 of 1
Date : 3/20/05 10:05 AM
Time of Injection: 3/19/05 03:20 AM
Low Point : -15.36 mV High Point : 570.30 mV
Plot Scale: 585.7 mV

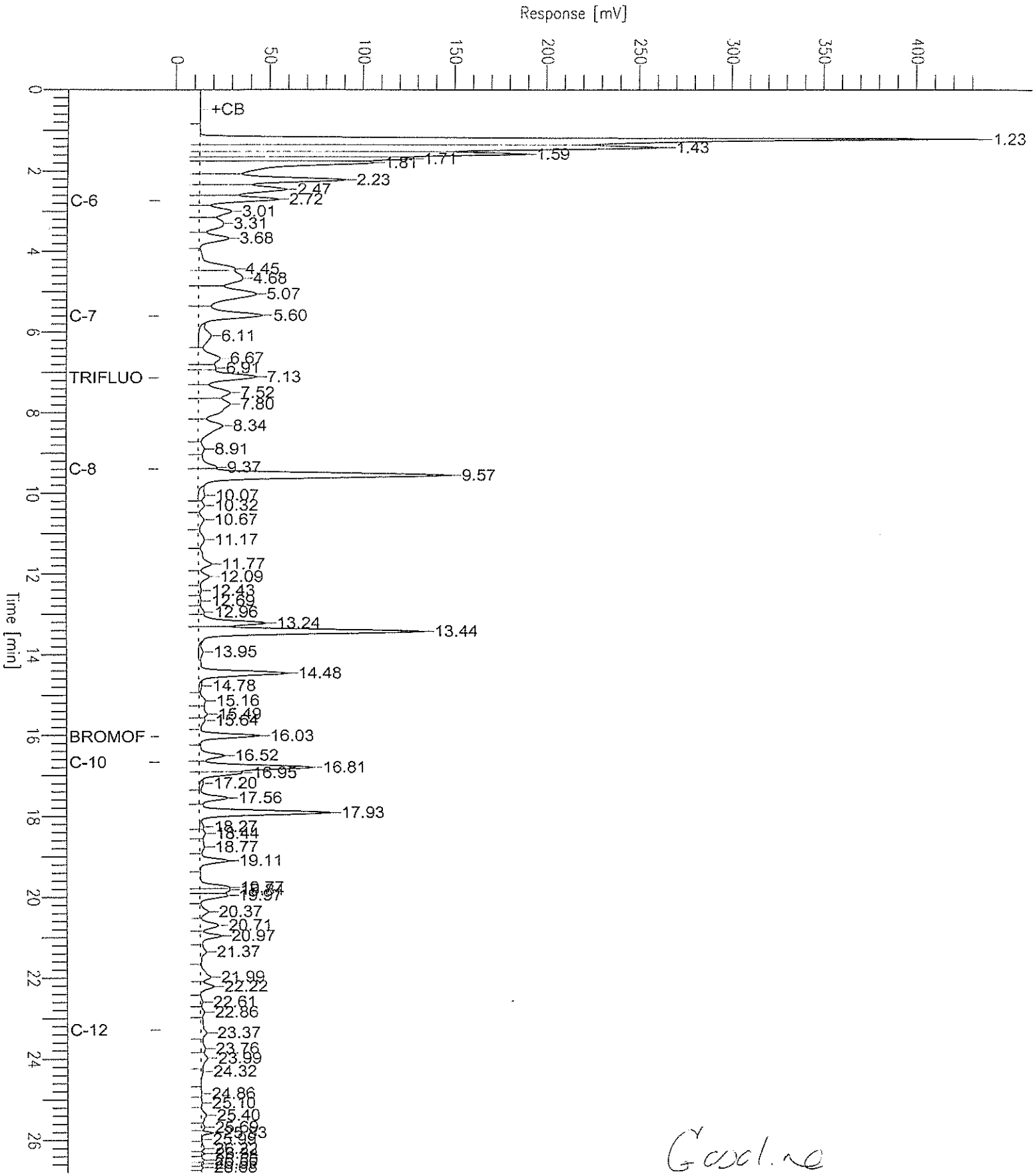


SB-103-261

GC19 TVH 'X' Data File (FID)

Sample Name : ccv/lcs,qc286608,100217,S73,5/5000
FileName : G:\GC19\DATA\077X003.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: 1.0 Plot Offset: -8 mV

Sample #: Page 1 of 1
Date : 3/18/05 10:07 AM
Time of Injection: 3/18/05 09:40 AM
Low Point : -8.13 mV High Point : 435.85 mV
Plot Scale: 444.0 mV



Good.no

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC286608	Batch#:	100217
Matrix:	Water	Analyzed:	03/18/05
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,215	111	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	120	63-141
Bromofluorobenzene (FID)	118	79-139

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	100217
MSS Lab ID:	178352-003	Sampled:	03/17/05
Matrix:	Water	Received:	03/18/05
Units:	ug/L	Analyzed:	03/19/05
Diln Fac:	1.000		

Type: MS Lab ID: QC286735

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<22.03	2,000	1,998	100	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	112	63-141
Bromofluorobenzene (FID)	111	79-139

Type: MSD Lab ID: QC286736

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,990	99	80-120	0	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	113	63-141
Bromofluorobenzene (FID)	112	79-139

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	03/17/05
Units:	mg/Kg	Received:	03/17/05
Basis:	as received	Analyzed:	03/18/05
Batch#:	100233		

Field ID: SB-101-5-5.5' Lab ID: 178335-001
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	0.97

Surrogate	%REC	Limits
Trifluorotoluene (FID)	93	60-138
Bromofluorobenzene (FID)	99	66-148

Field ID: SB-101-10-10.5' Lab ID: 178335-002
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	90	60-138
Bromofluorobenzene (FID)	96	66-148

Field ID: SB-101-15-15.5' Lab ID: 178335-003
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	91	60-138
Bromofluorobenzene (FID)	99	66-148

Field ID: SB-101-20-20.5' Lab ID: 178335-004
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	94	60-138
Bromofluorobenzene (FID)	103	66-148

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	03/17/05
Units:	mg/Kg	Received:	03/17/05
Basis:	as received	Analyzed:	03/18/05
Batch#:	100233		

Field ID: SB-101-25-25.5' Lab ID: 178335-005
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	0.91

Surrogate	%REC	Limits
Trifluorotoluene (FID)	90	60-138
Bromofluorobenzene (FID)	96	66-148

Field ID: SB-101-34' Lab ID: 178335-007
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	0.98

Surrogate	%REC	Limits
Trifluorotoluene (FID)	90	60-138
Bromofluorobenzene (FID)	97	66-148

Field ID: SB-102-6-6.5' Lab ID: 178335-008
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	90	60-138
Bromofluorobenzene (FID)	98	66-148

Field ID: SB-102-10-10.5' Lab ID: 178335-009
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	1.8 Y	1.0

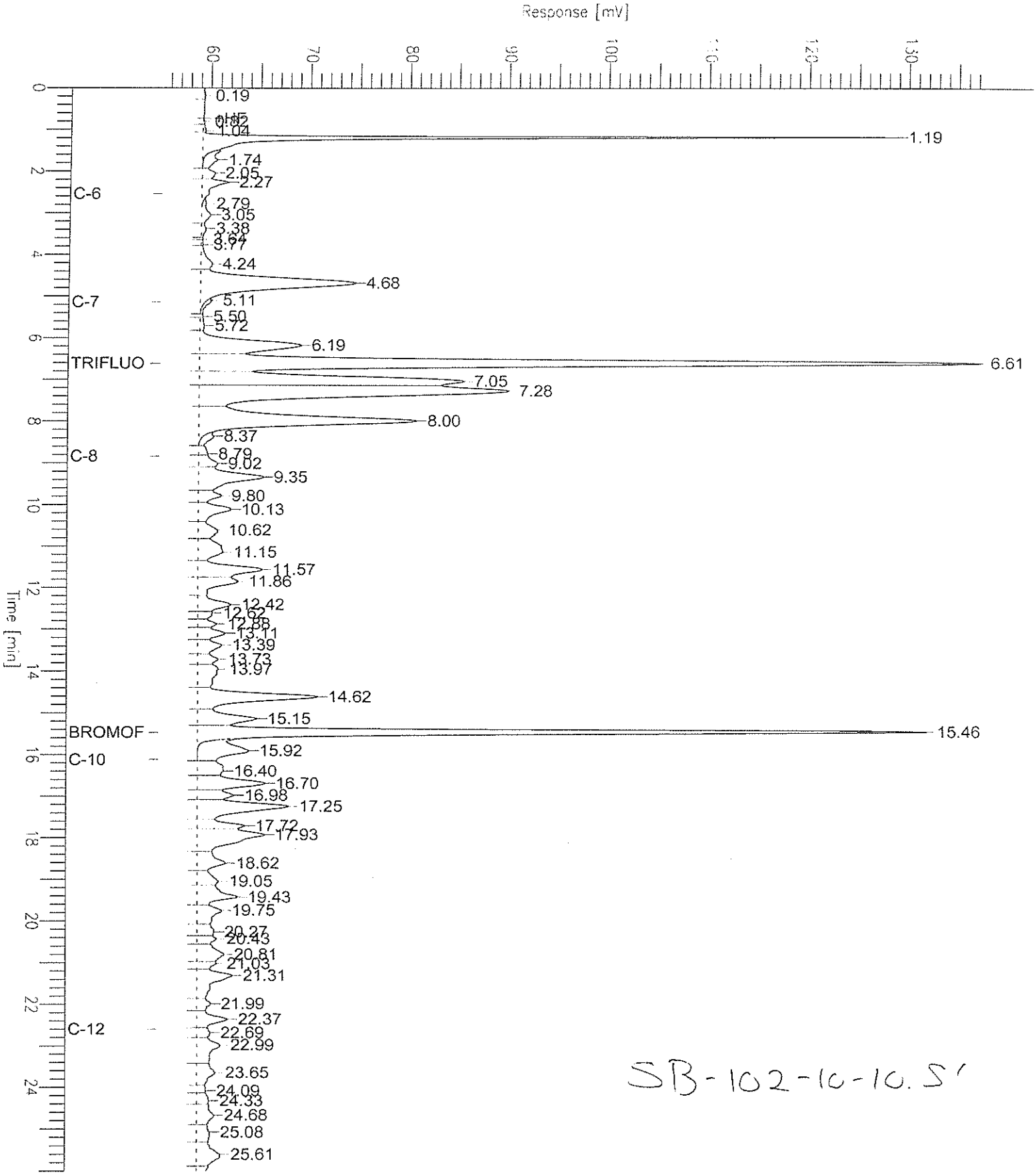
Surrogate	%REC	Limits
Trifluorotoluene (FID)	97	60-138
Bromofluorobenzene (FID)	107	66-148

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

GC04 TVH 'J' Data File FID

Sample Name : 178335-009,100233,tvh
FileName : G:\GC04\DATA\077J003.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 55 mV

Sample #: a Page 1 of 1
Date : 3/20/05 12:05 PM
Time of Injection: 3/18/05 01:02 PM
Low Point : 55.26 mV High Point : 137.49 mV
Plot Scale: 82.2 mV



SB-102-10-10.5'

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	03/17/05
Units:	mg/Kg	Received:	03/17/05
Basis:	as received	Analyzed:	03/18/05
Batch#:	100233		

Field ID: SB-102-15.5-16' Lab ID: 178335-011
Type: SAMPLE Diln Fac: 25.00

Analyte	Result	RL
Gasoline C7-C12	800	25

Surrogate	%REC	Limits
Trifluorotoluene (FID)	132	60-138
Bromofluorobenzene (FID)	106	66-148

Field ID: SB-103-3.5-4' Lab ID: 178335-014
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	86	60-138
Bromofluorobenzene (FID)	92	66-148

Field ID: SB-103-15-15.5' Lab ID: 178335-016
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	90	60-138
Bromofluorobenzene (FID)	95	66-148

Field ID: SB-103-17.5-18' Lab ID: 178335-017
Type: SAMPLE Diln Fac: 20.00

Analyte	Result	RL
Gasoline C7-C12	240 Y	20

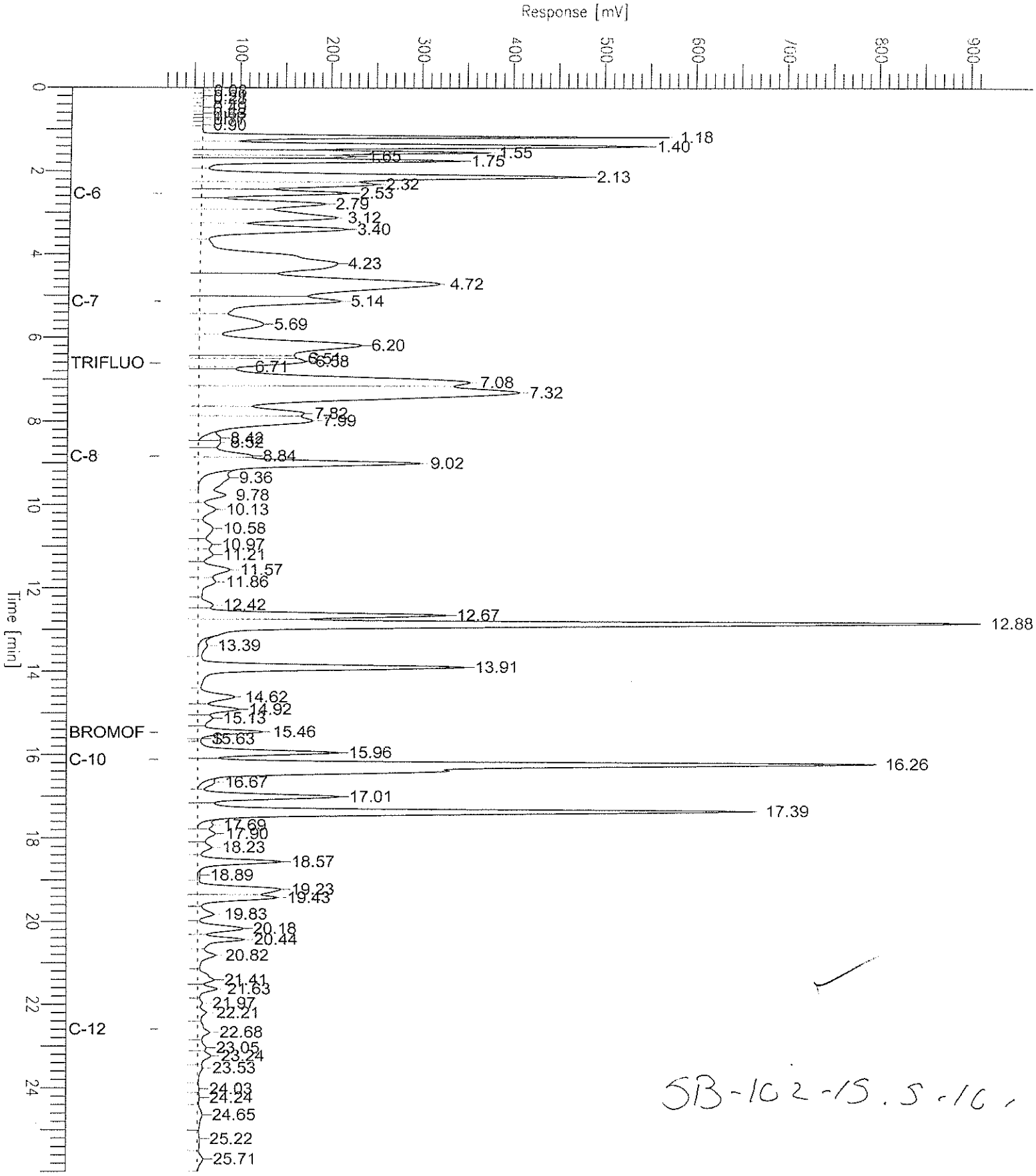
Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	60-138
Bromofluorobenzene (FID)	105	66-148

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

GC04 TVH 'J' Data File FID

Sample Name : 178335-011,100233,tvh
FileName : G:\GC04\DATA\077J004.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 16 mV

Sample #: a Page 1 of 1
Date : 3/18/05 07:03 PM
Time of Injection: 3/18/05 01:38 PM
Low Point : 16.48 mV High Point : 914.11 mV
Plot Scale: 897.6 mV

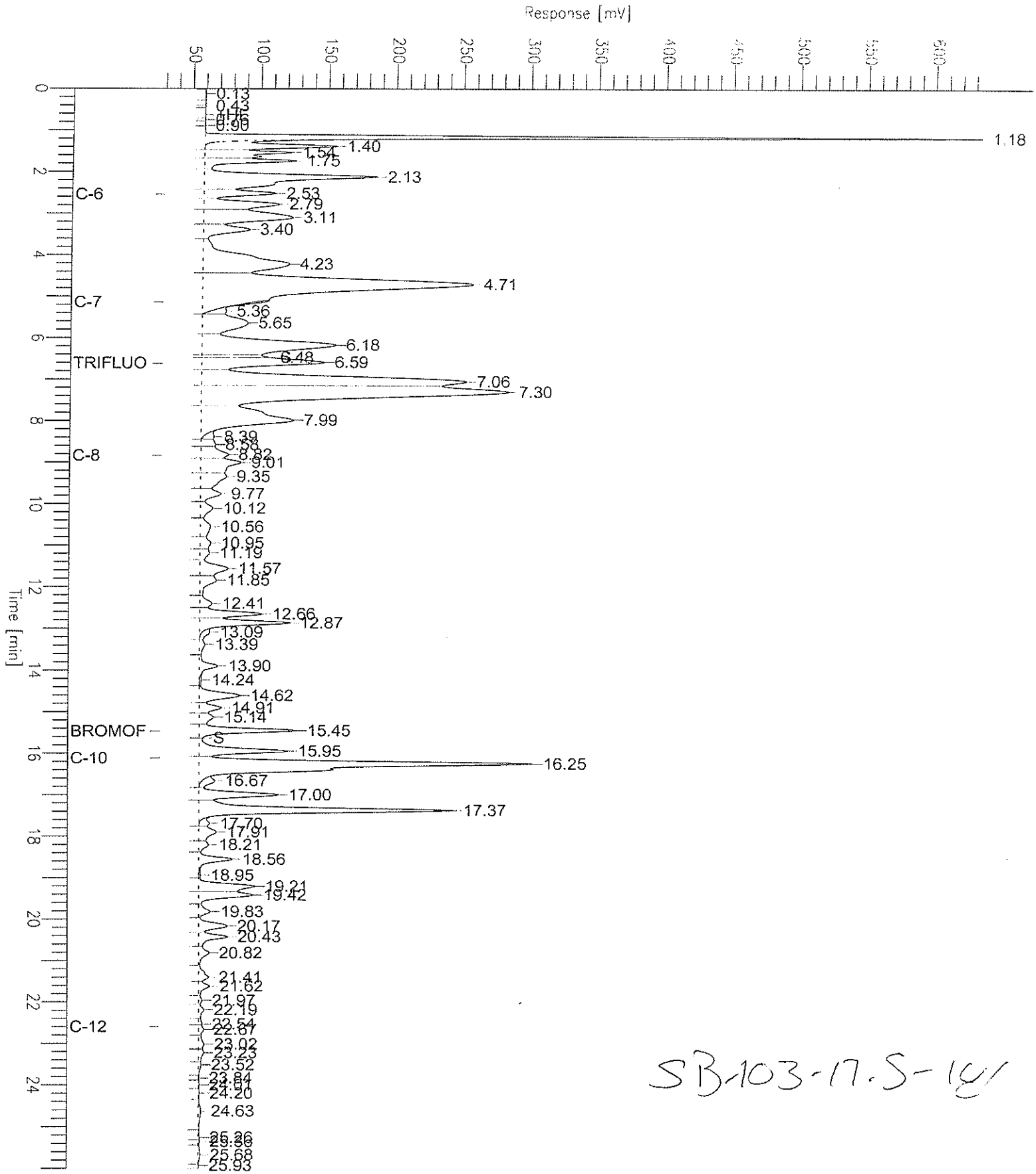


SB-102-15.5-16'

GC04 TVH 'J' Data File FID

Sample Name : 178335-017,100233,tvh
FileName : G:\GC04\DATA\077J010.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 30 mV

Sample #: a Page 1 of 1
Date : 3/18/05 07:03 PM
Time of Injection: 3/18/05 05:13 PM
Low Point : 29.85 mV High Point : 634.68 mV
Plot Scale: 604.8 mV

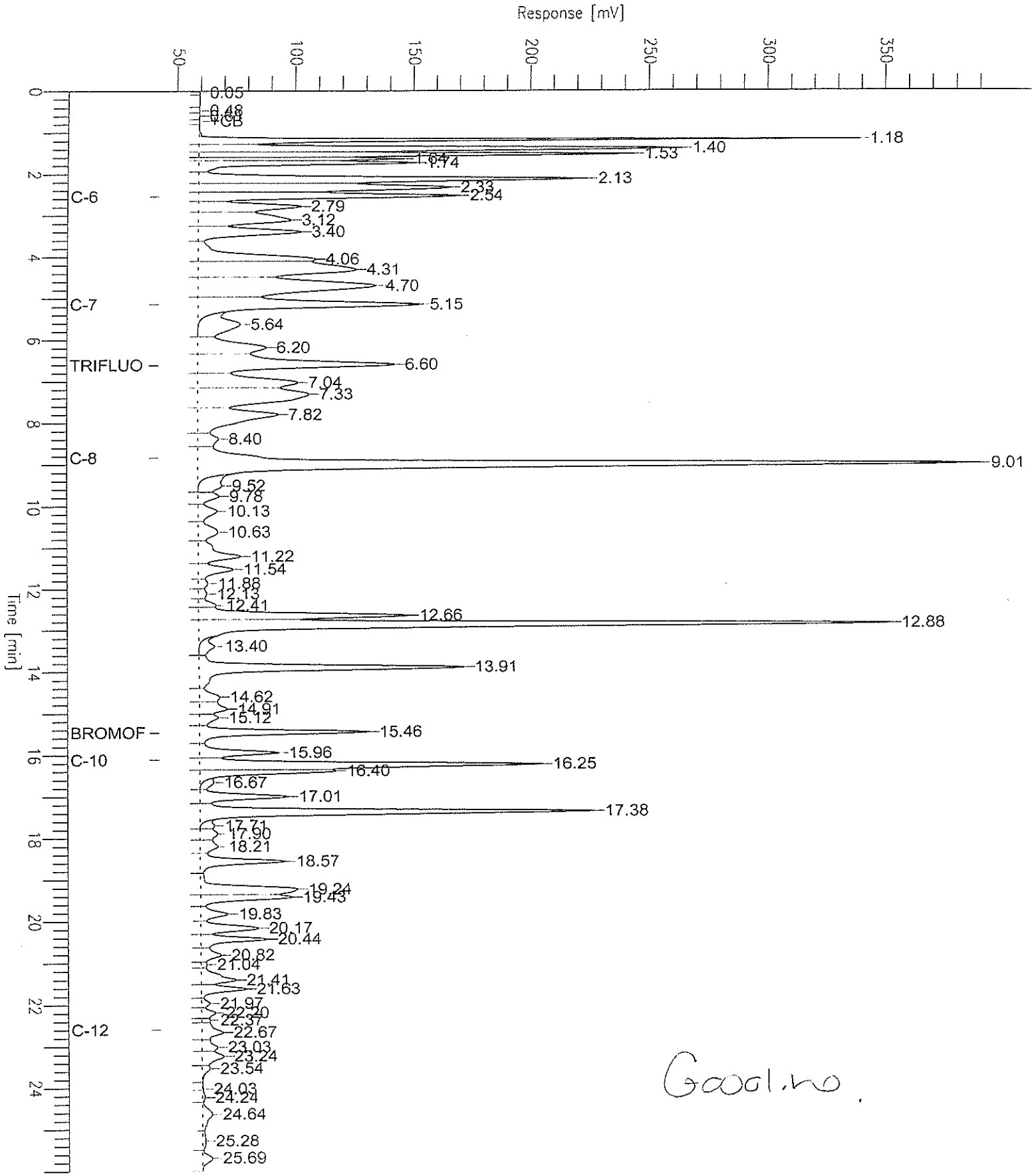


SB-103-17.5-19

GC04 TVH 'J' Data File FID

Sample Name : ccv/lcs,qc286670,100233,S73,5/5000
FileName : G:\GC04\DATA\077J001.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 43 mV

Sample #: Page 1 of 1
Date : 3/18/05 12:17 PM
Time of Injection: 3/18/05 11:51 AM
Low Point : 42.74 mV High Point : 390.37 mV
Plot Scale: 347.6 mV



Good.no.

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	03/17/05
Units:	mg/Kg	Received:	03/17/05
Basis:	as received	Analyzed:	03/18/05
Batch#:	100233		

Type: BLANK
Lab ID: QC286669

Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	94	60-138
Bromofluorobenzene (FID)	100	66-148

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC286670	Diln Fac:	1.000
Matrix:	Soil	Batch#:	100233
Units:	mg/Kg	Analyzed:	03/18/05

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	10.24	102	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	135	60-138
Bromofluorobenzene (FID)	106	66-148

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Field ID:	SB-101-15-15.5'	Diln Fac:	1.000
MSS Lab ID:	178335-003	Batch#:	100233
Matrix:	Soil	Sampled:	03/17/05
Units:	mg/Kg	Received:	03/17/05
Basis:	as received	Analyzed:	03/18/05

Type: MS Lab ID: QC286682

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.09512	9.174	8.674	94	43-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	130	60-138
Bromofluorobenzene (FID)	105	66-148

Type: MSD Lab ID: QC286683

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	9.524	8.895	92	43-120	1	27

Surrogate	%REC	Limits
Trifluorotoluene (FID)	131	60-138
Bromofluorobenzene (FID)	105	66-148

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/17/05
Units:	ug/L	Received:	03/17/05
Batch#:	100314	Prepared:	03/21/05

Field ID: SB-101-28'
Type: SAMPLE
Lab ID: 178335-006
Diln Fac: 1.000
Analyzed: 03/23/05

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
Hexacosane	73	55-143

Field ID: SB-102-12'
Type: SAMPLE
Lab ID: 178335-010
Diln Fac: 1.000
Analyzed: 03/23/05

Analyte	Result	RL
Diesel C10-C24	1,400 H Y	50

Surrogate	%REC	Limits
Hexacosane	89	55-143

Field ID: SB-102-16'
Type: SAMPLE
Lab ID: 178335-012
Diln Fac: 1.000
Analyzed: 03/23/05

Analyte	Result	RL
Diesel C10-C24	10,000 L Y	50

Surrogate	%REC	Limits
Hexacosane	103	55-143

Field ID: SB-102-24'
Type: SAMPLE
Lab ID: 178335-013
Diln Fac: 1.000
Analyzed: 03/23/05

Analyte	Result	RL
Diesel C10-C24	11,000 H L Y	50

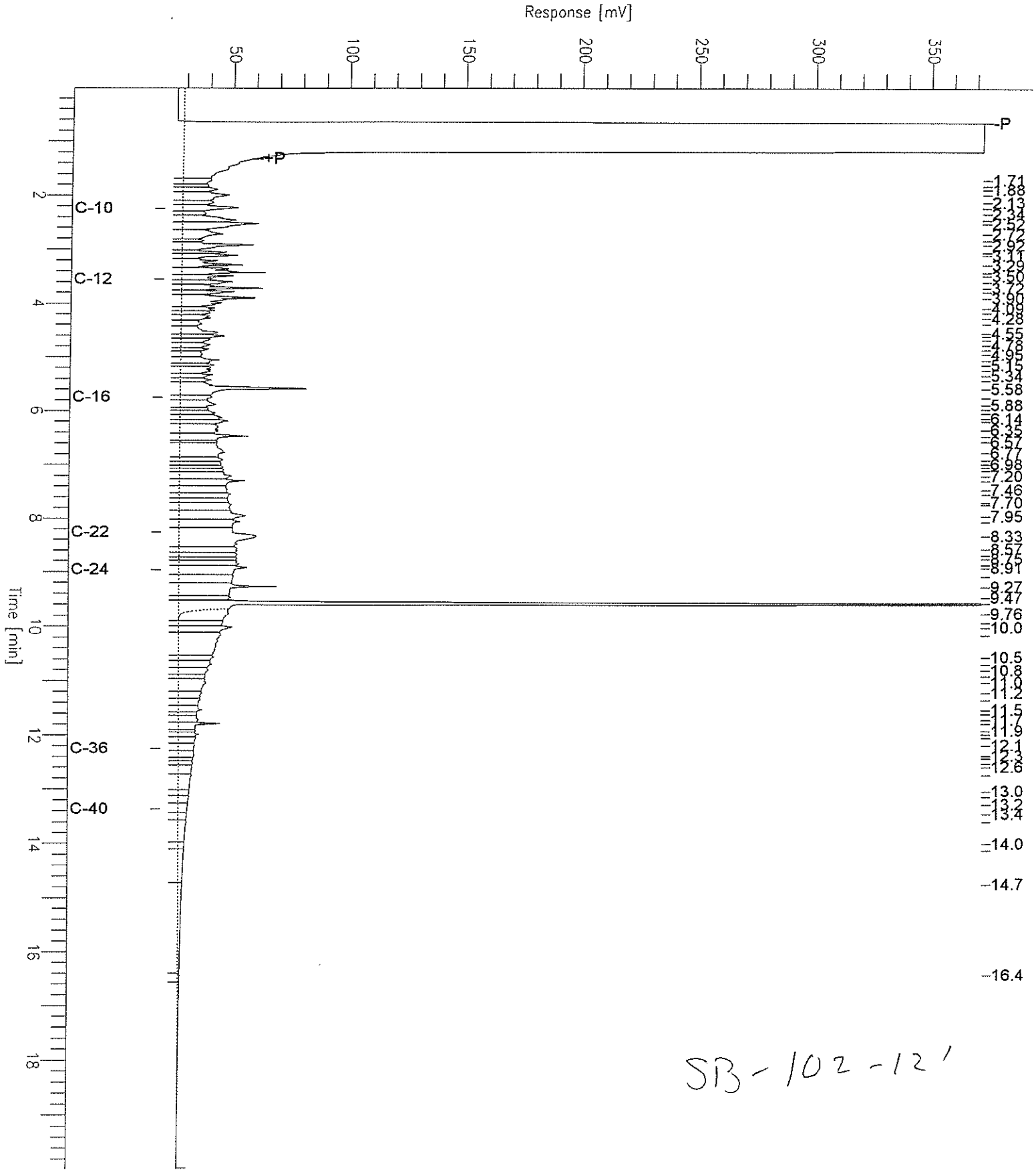
Surrogate	%REC	Limits
Hexacosane	98	55-143

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

Chromatogram

Sample Name : 178335-010,100314
FileName : G:\GC17\CHA\079A104.RAW
Method : ATEH077.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 21 mV

Sample #: 100314 Page 1 of 1
Date : 3/23/05 01:58 PM
Time of Injection: 3/23/05 01:36 PM
Low Point : 20.75 mV High Point : 372.91 mV
Plot Scale: 352.2 mV

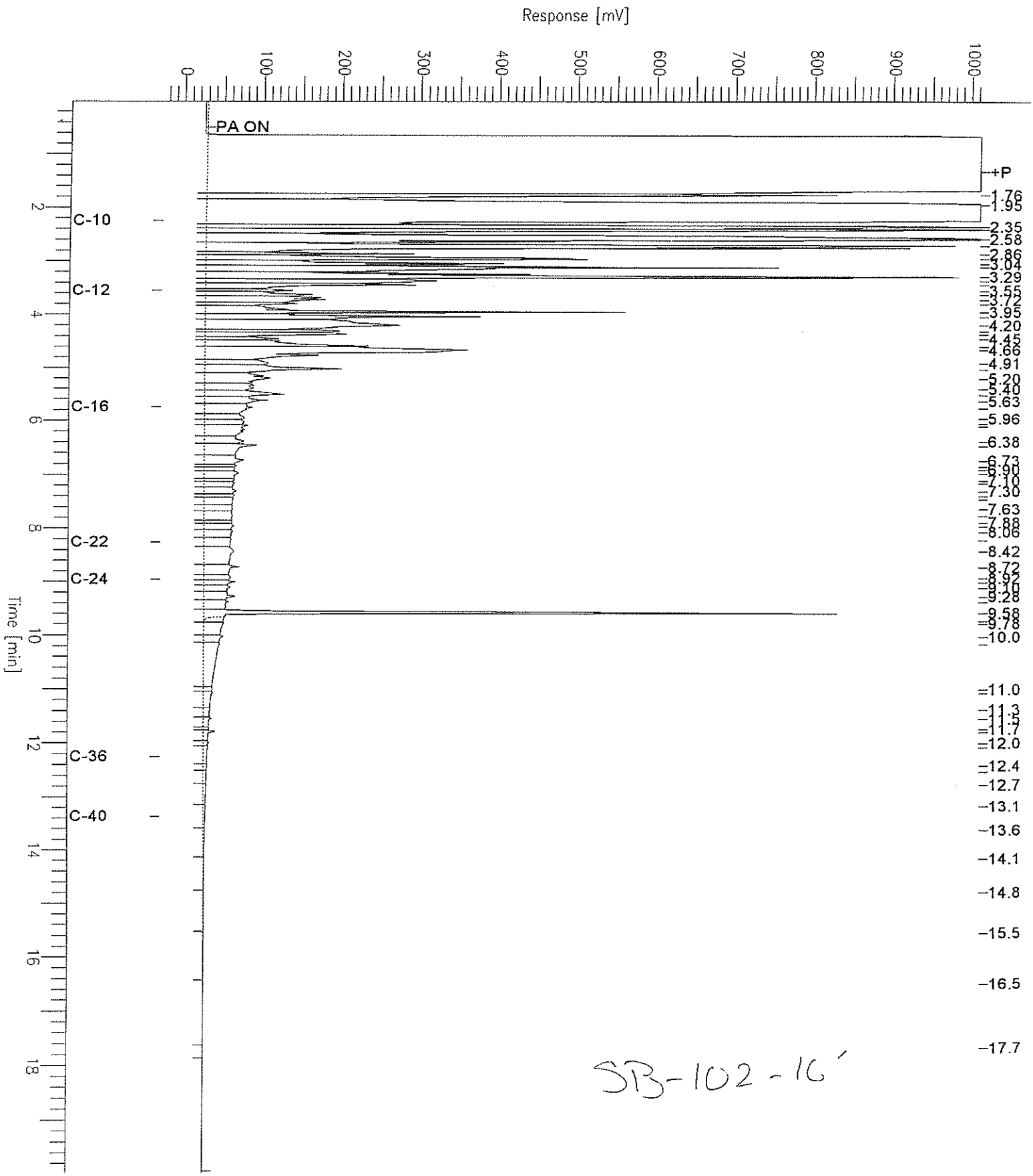


SB-102-12'

Chromatogram

Sample Name : 178335-012,100314
FileName : G:\GC17\CHA\079A103.RAW
Method : ATEH077.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: -27 mV

Sample #: 100314 Page 1 of 1
Date : 3/23/05 01:39 PM
Time of Injection: 3/23/05 01:08 PM
Low Point : -26.86 mV High Point : 1013.06 mV
Plot Scale: 1039.9 mV

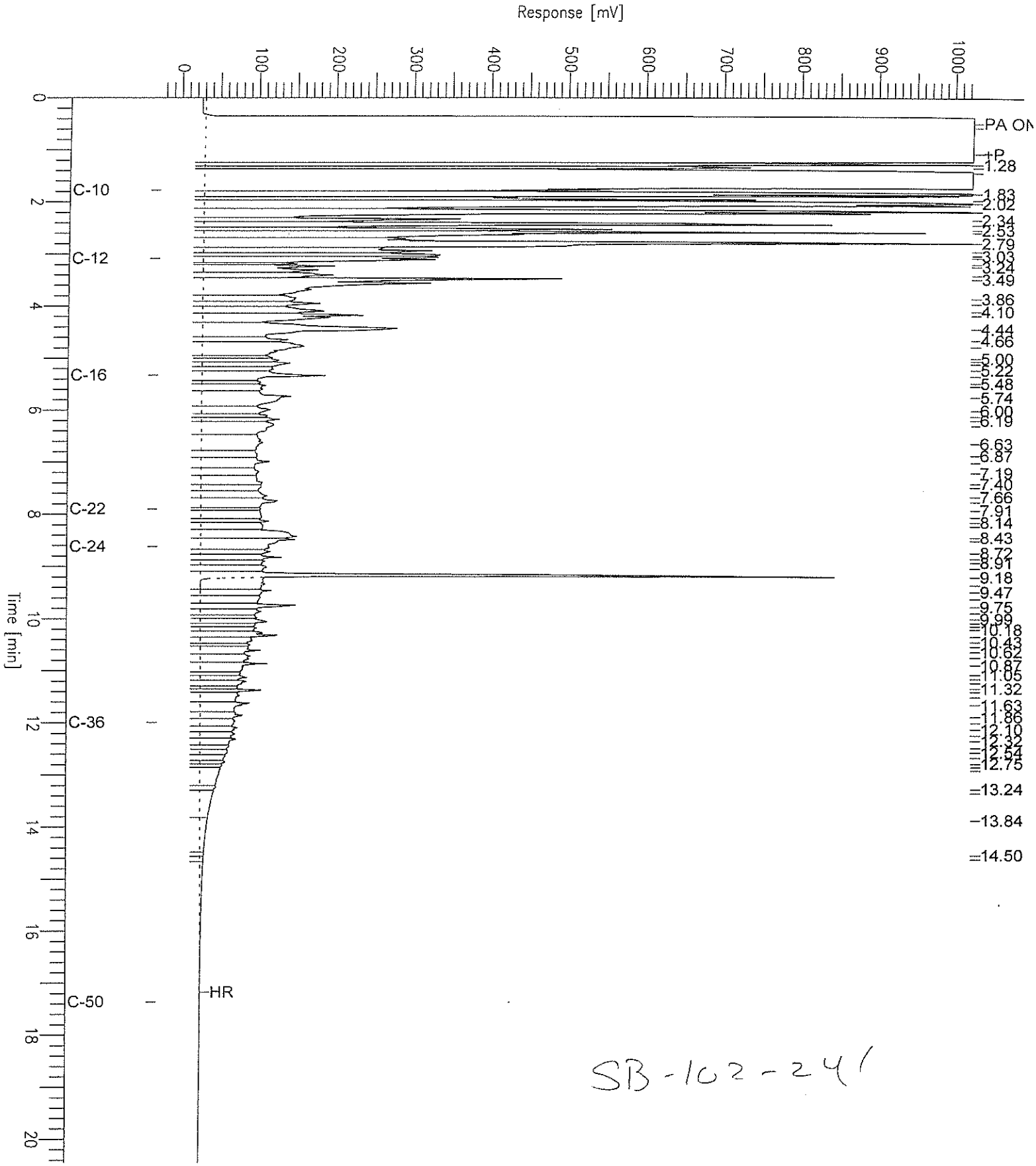


SB-102-16'

Chromatogram

Sample Name : 178335-013,100314
FileName : G:\GC11\CHA\050A084.RAW
Method : ATEH072S.MTH
Start Time : 0.00 min End Time : 20.46 min
Scale Factor: 0.0 Plot Offset: -26 mV

Sample #: 100314 Page 1 of 1
Date : 3/23/05 12:54 PM
Time of Injection: 3/23/05 12:30 PM
Low Point : -26.42 mV High Point : 1024.00 mV
Plot Scale: 1050.4 mV



SB-102-241

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/17/05
Units:	ug/L	Received:	03/17/05
Batch#:	100314	Prepared:	03/21/05

Field ID: SB-103-14' Diln Fac: 1.000
Type: SAMPLE Analyzed: 03/23/05
Lab ID: 178335-015

Analyte	Result	RL
Diesel C10-C24	700 H Y	50

Surrogate	%REC	Limits
Hexacosane	74	55-143

Field ID: SB-103-18' Diln Fac: 1.000
Type: SAMPLE Analyzed: 03/23/05
Lab ID: 178335-018

Analyte	Result	RL
Diesel C10-C24	1,600 L Y	50

Surrogate	%REC	Limits
Hexacosane	83	55-143

Field ID: SB-103-26' Diln Fac: 10.00
Type: SAMPLE Analyzed: 03/24/05
Lab ID: 178335-019

Analyte	Result	RL
Diesel C10-C24	1,100 L Y	500

Surrogate	%REC	Limits
Hexacosane	DO	55-143

Type: BLANK Analyzed: 03/22/05
Lab ID: QC287012 Cleanup Method: EPA 3630C
Diln Fac: 1.000

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
Hexacosane	98	55-143

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

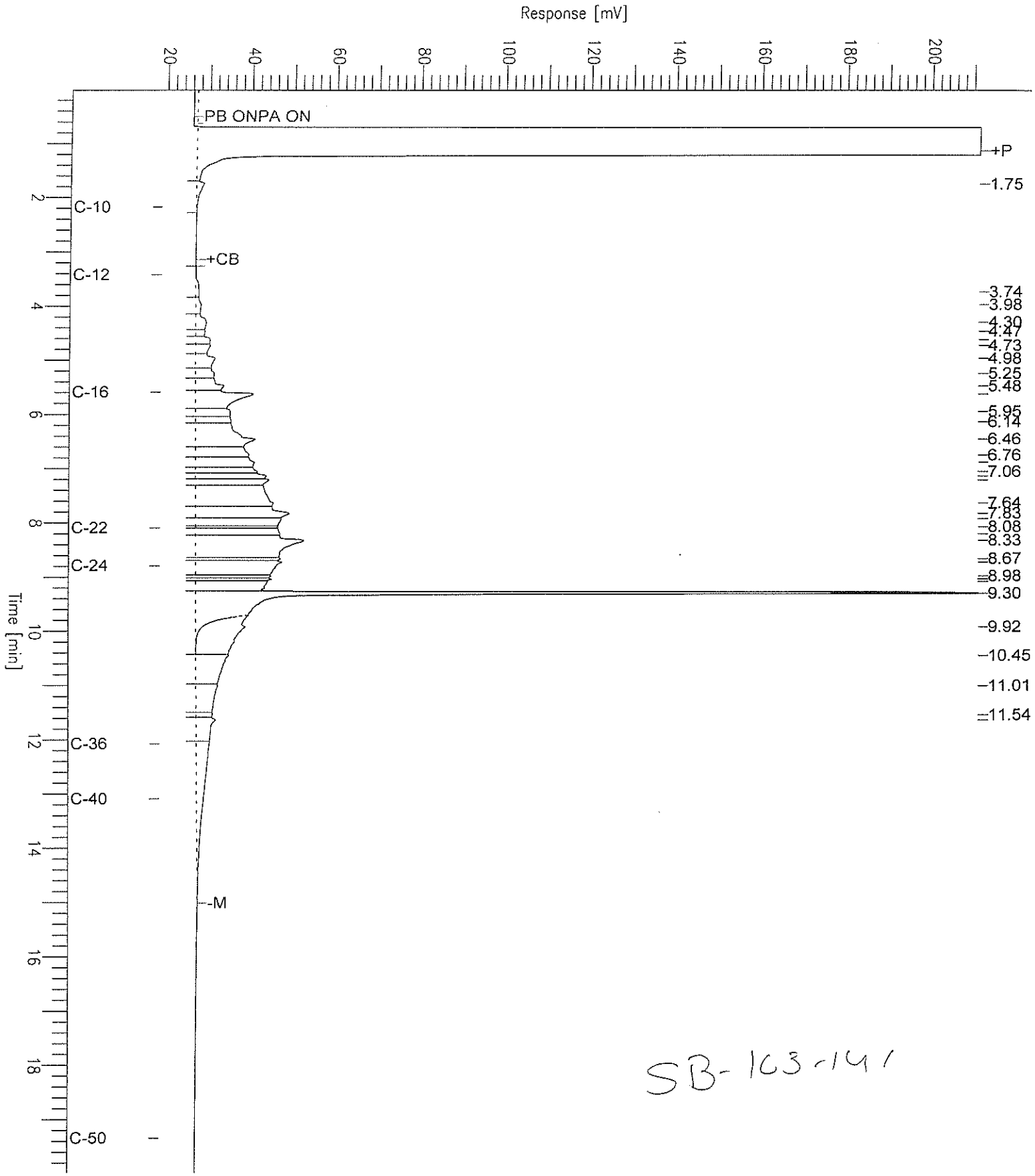
Chromatogram

1583/03/03

15

Sample Name : 176335-029,100314
FileName : G:\GC15\CHB\080B085.RAW
Method : BTEH053S.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 19 mV

Sample #: 100314 Page 1 of 1
Date : 3/23/05 01:12 PM
Time of Injection: 3/23/05 12:42 PM
Low Point : 18.94 mV High Point : 211.59 mV
Plot Scale: 192.7 mV

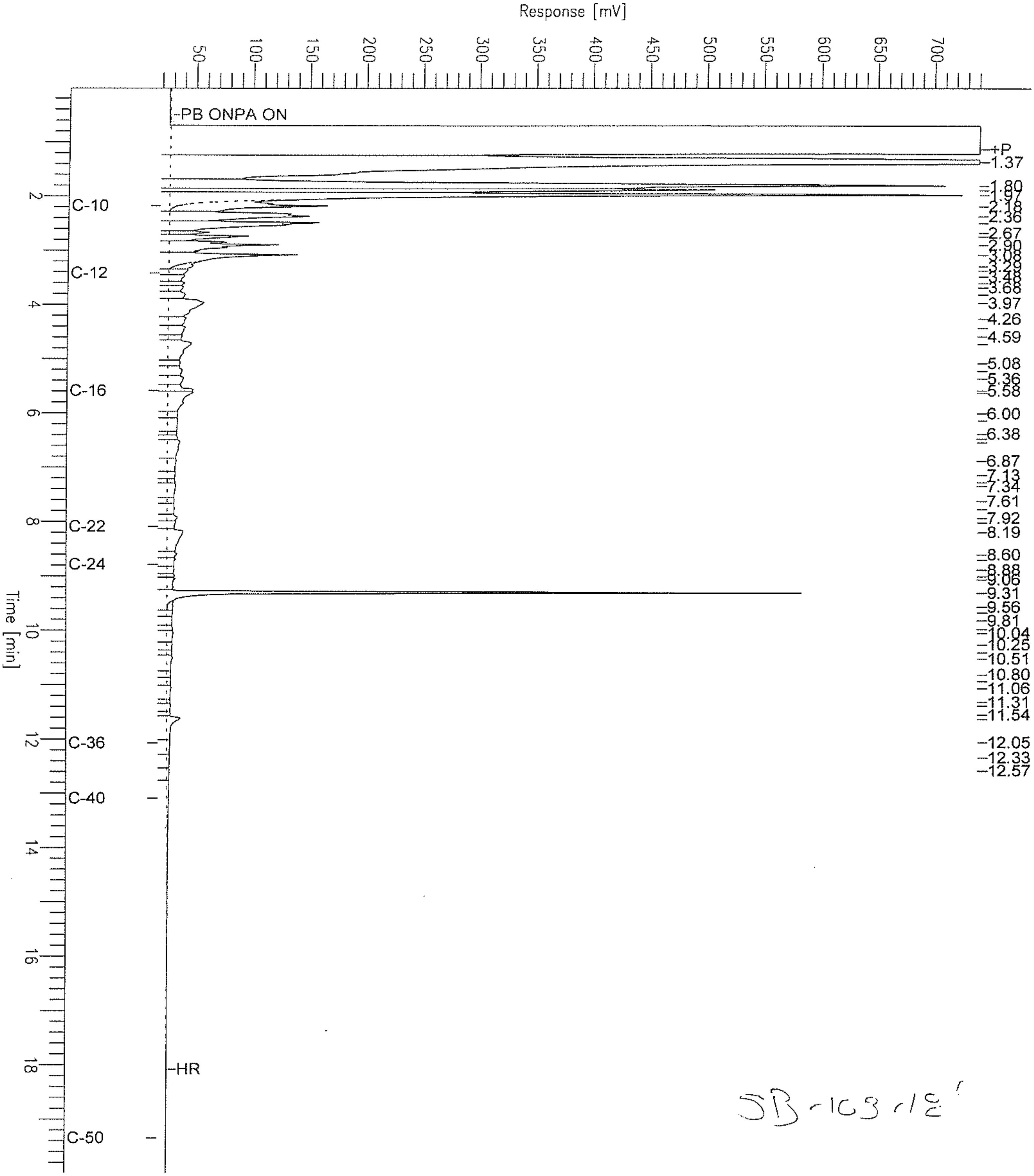


SB-163-141

Chromatogram

Sample Name : 178335-018,100314
FileName : G:\GC15\CHB\080B084.RAW
Method : BTEH053S.MTH
Start Time : 0.01 min   End Time : 19.99 min
Scale Factor: 0.0   Plot Offset: 19 mV

Sample #: 100314
Date : 3/23/05 01:11 PM
Time of Injection: 3/23/05 12:13 PM
Low Point : 18.96 mV   High Point : 740.58 mV
Plot Scale: 721.6 mV

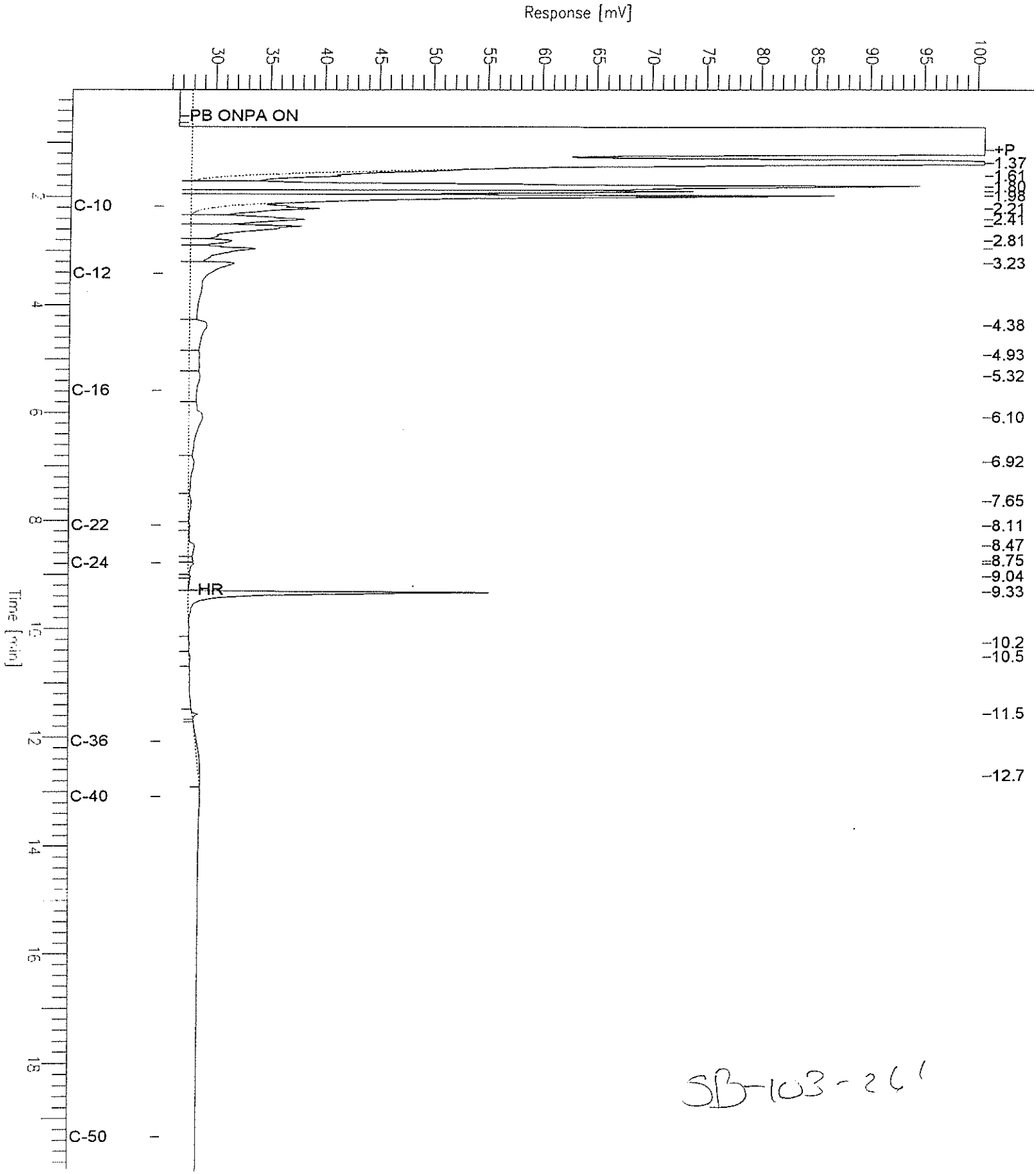


SB-103/18'

Chromatogram

Sample Name : 178335-019,100314
FileName : G:\GC15\CHB\083B004.RAW
Method : BTEH053S.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 25 mV

Sample #: 100314 Page 1 of 1
Date : 3/24/05 04:18 PM
Time of Injection: 3/24/05 03:35 PM
Low Point : 25.33 mV High Point : 100.73 mV
Plot Scale: 75.4 mV



SB-103-26'

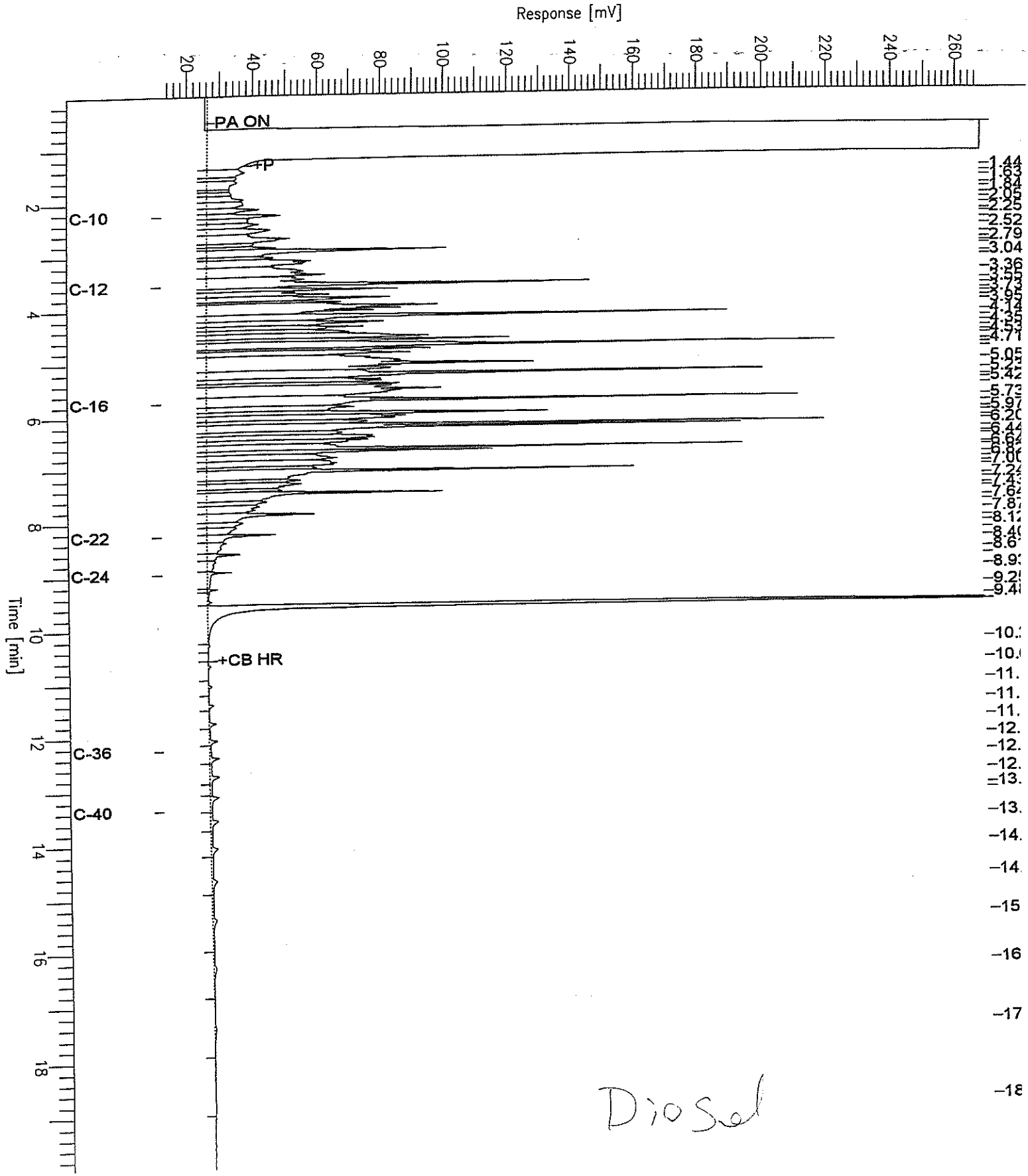
Chromatogram

Sample Name : ccv,s72,dsl
FileName : G:\GC17\CHA\079A003.RAW
Method : ATEH077.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 19.99 min
Plot Offset: 12 mV

Sample #: 500mg/L
Date : 3/20/05 06:27 PM
Time of Injection: 3/20/05 05:31 PM
Low Point : 12.40 mV
Plot Scale: 255.2 mV

High Point : 267.65 mV



DioSol

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09171.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC287013	Batch#:	100314
Matrix:	Water	Prepared:	03/21/05
Units:	ug/L	Analyzed:	03/22/05

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,934	117	50-133

Surrogate	%REC	Limits
Hexacosane	89	55-143

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09171.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	100314
MSS Lab ID:	178202-005	Sampled:	03/11/05
Matrix:	Water	Received:	03/11/05
Units:	ug/L	Prepared:	03/21/05
Diln Fac:	1.000	Analyzed:	03/23/05

Type: MS
Lab ID: QC287014

Cleanup Method: EPA 3630C

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	14.18	2,500	2,318	92	42-127

Surrogate	%REC	Limits
Hexacosane	85	55-143

Type: MSD
Lab ID: QC287015

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	1,992	79	42-127	15	45

Surrogate	%REC	Limits
Hexacosane	74	55-143

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	03/17/05
Units:	mg/Kg	Received:	03/17/05
Basis:	as received	Prepared:	03/22/05
Diln Fac:	1.000	Analyzed:	03/23/05
Batch#:	100342		

Field ID: SB-101-5-5.5' Lab ID: 178335-001
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	ND	0.99

Surrogate	%REC	Limits
Hexacosane	71	51-136

Field ID: SB-101-10-10.5' Lab ID: 178335-002
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	1.3 Y	1.0

Surrogate	%REC	Limits
Hexacosane	69	51-136

Field ID: SB-101-15-15.5' Lab ID: 178335-003
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	7.9 Y Z	0.99

Surrogate	%REC	Limits
Hexacosane	71	51-136

Field ID: SB-101-20-20.5' Lab ID: 178335-004
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	5.0 Y Z	0.99

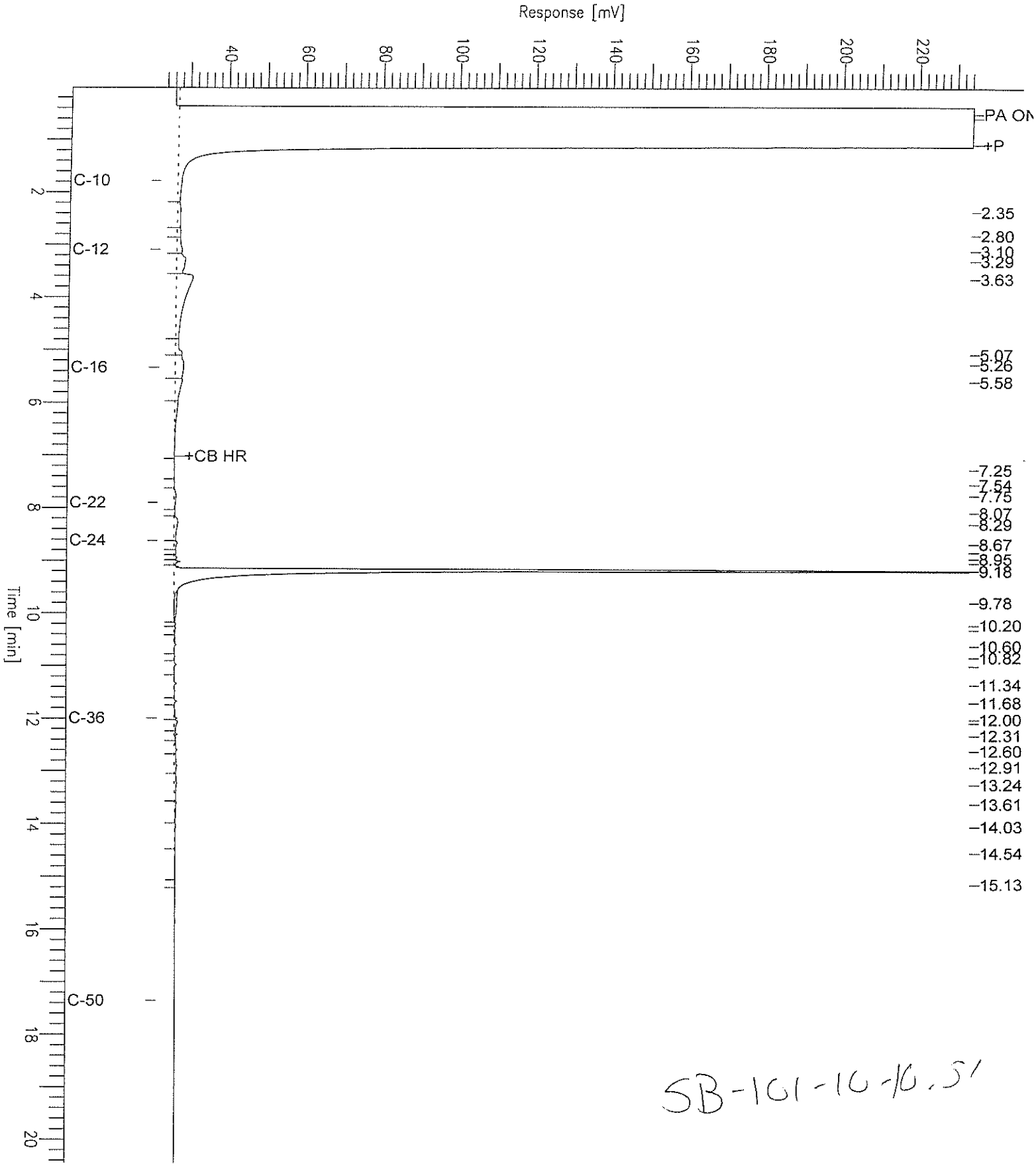
Surrogate	%REC	Limits
Hexacosane	83	51-136

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Chromatogram

Sample Name : 178335-002,100342
FileName : G:\GC11\CHA\080A093.RAW
Method : ATEH072S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 23 mV

Sample #: 100342 Page 1 of 1
Date : 3/23/05 06:53 PM
Time of Injection: 3/23/05 05:01 PM
Low Point : 22.66 mV High Point : 234.22 mV
Plot Scale: 211.6 mV

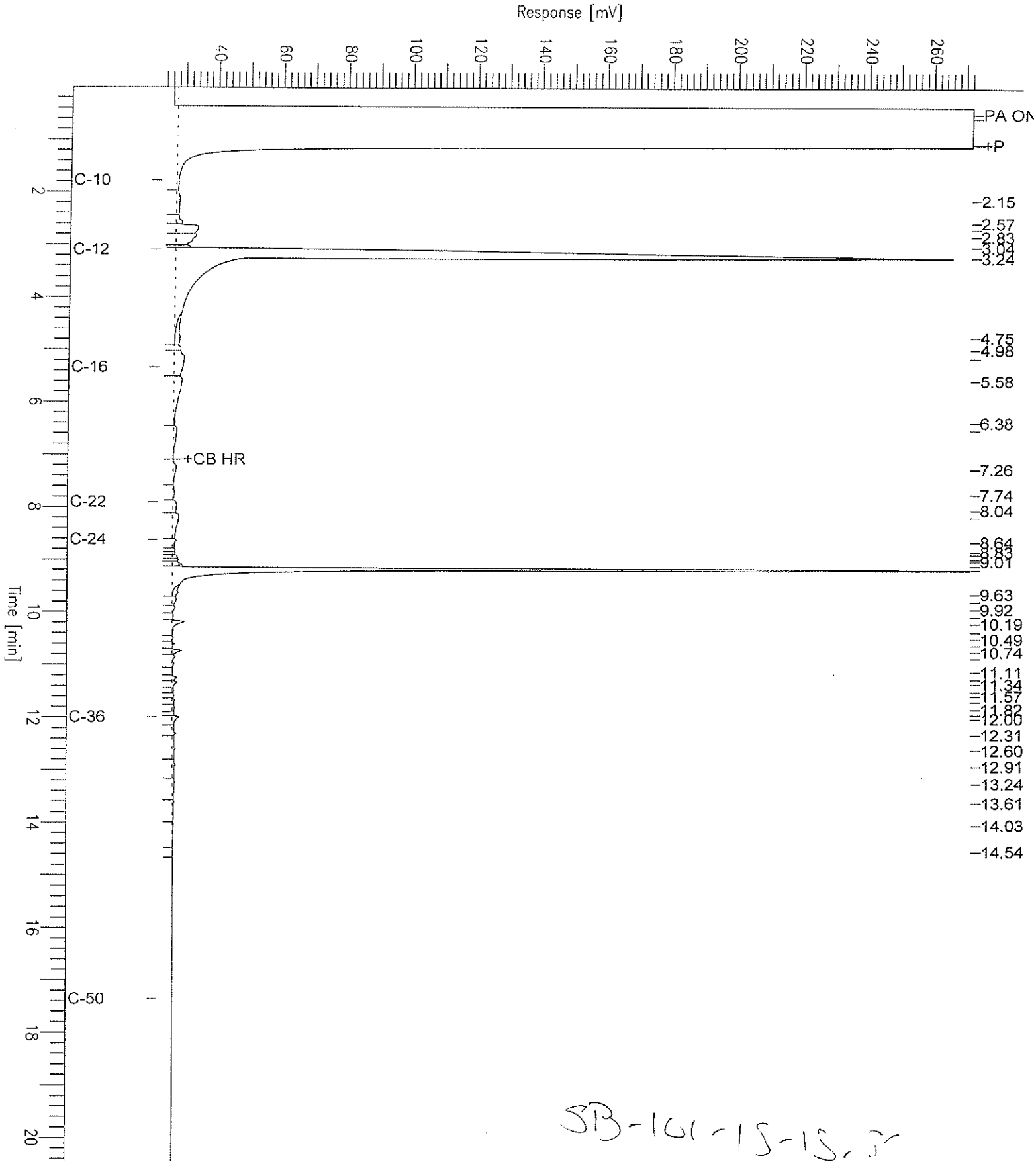


SB-101-10-10.5'

Chromatogram

Sample Name : mss,178335-003,100342
FileName : G:\GC11\CHA\080A091.RAW
Method : ATEH072S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 23 mV

Sample #: 100342 Page 1 of 1
Date : 3/23/05 06:51 PM
Time of Injection: 3/23/05 04:02 PM
Low Point : 22.70 mV High Point : 272.01 mV
Plot Scale: 249.3 mV



SB-161-15-15.5

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/17/05
Units:	ug/L	Received:	03/17/05
Batch#:	100217		

Field ID: SB-101-28' Diln Fac: 1.000
Type: SAMPLE Analyzed: 03/18/05
Lab ID: 178335-006

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	63-141
Bromofluorobenzene (FID)	116	79-139

Field ID: SB-102-12' Diln Fac: 1.000
Type: SAMPLE Analyzed: 03/18/05
Lab ID: 178335-010

Analyte	Result	RL
Gasoline C7-C12	980 Y	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	112	63-141
Bromofluorobenzene (FID)	121	79-139

Field ID: SB-102-16' Diln Fac: 25.00
Type: SAMPLE Analyzed: 03/18/05
Lab ID: 178335-012

Analyte	Result	RL
Gasoline C7-C12	130,000	1,300

Surrogate	%REC	Limits
Trifluorotoluene (FID)	111	63-141
Bromofluorobenzene (FID)	114	79-139

Field ID: SB-102-24' Diln Fac: 40.00
Type: SAMPLE Analyzed: 03/18/05
Lab ID: 178335-013

Analyte	Result	RL
Gasoline C7-C12	93,000	2,000

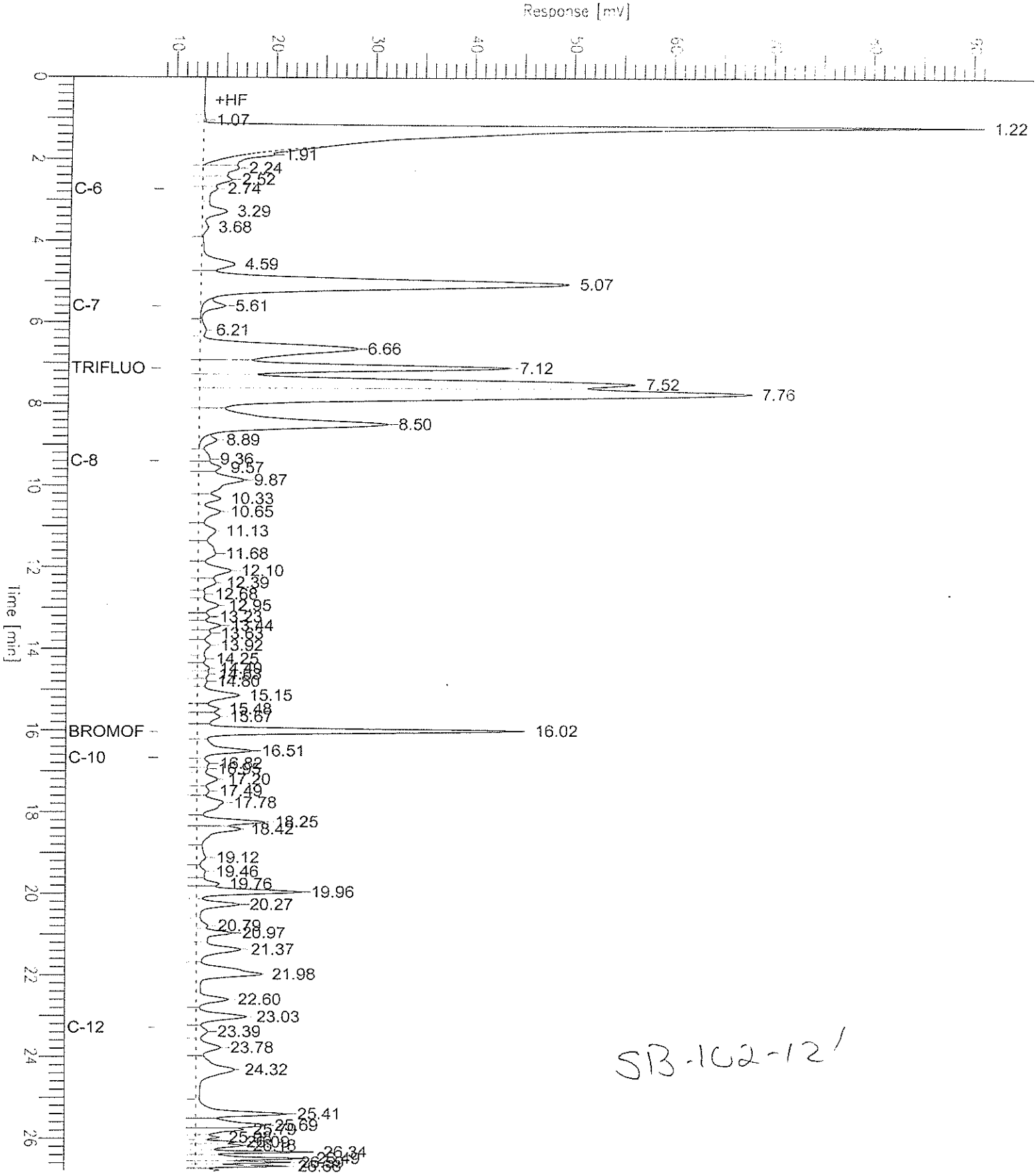
Surrogate	%REC	Limits
Trifluorotoluene (FID)	111	63-141
Bromofluorobenzene (FID)	113	79-139

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

GC19 TVH 'X' Data File (FID)

Sample Name : 178335-010,100217,tvh
FileName : G:\GC19\DATA\077X007.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: 1.0 Plot Offset: 9 mV

Sample #: a7 Page 1 of 1
Date : 3/18/05 05:23 PM
Time of Injection: 3/18/05 01:21 PM
Low Point : 8.86 mV High Point : 91.08 mV
Plot Scale: 82.2 mV

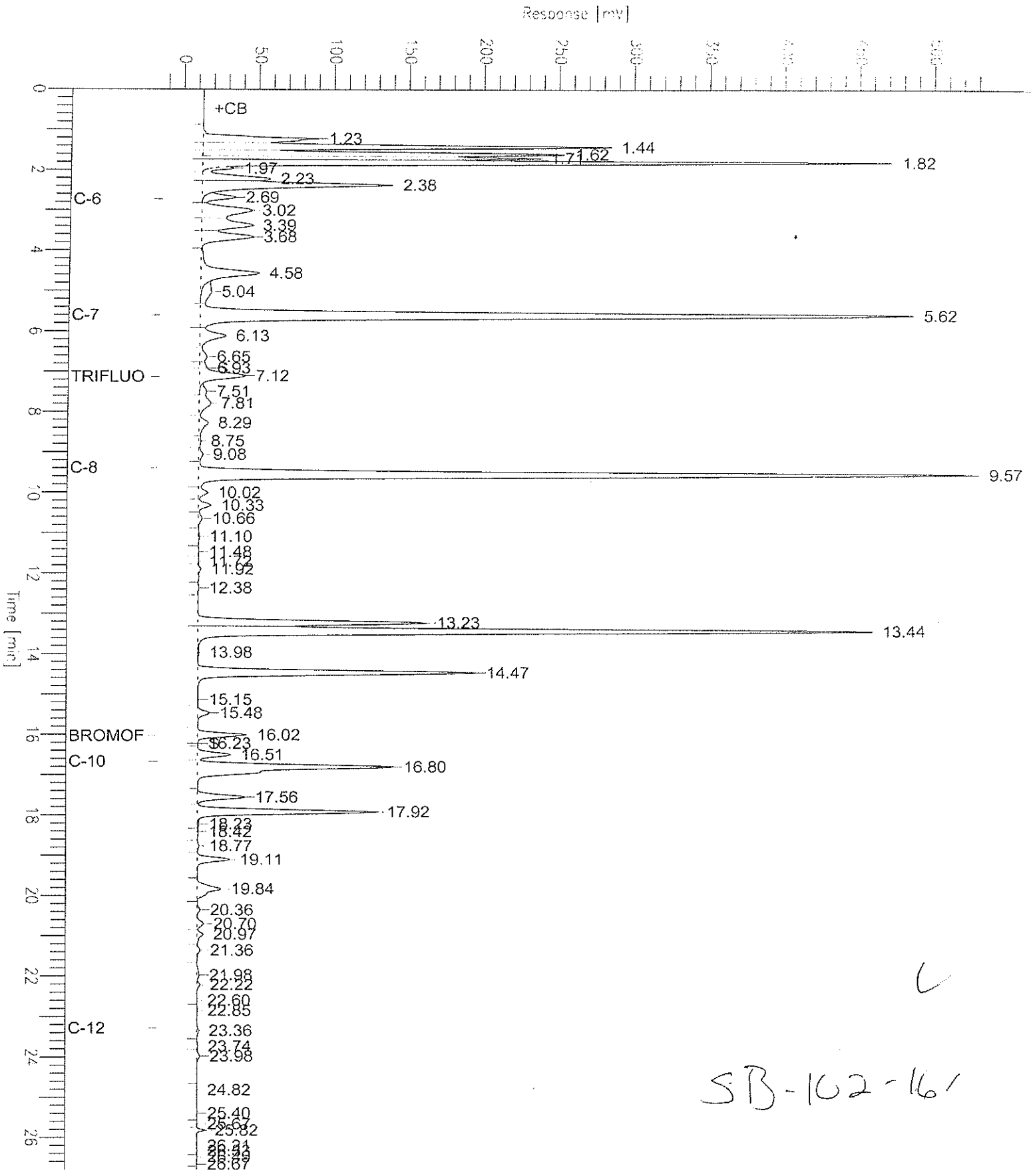


SB-102-12'

GC19 TVH 'X' Data File (FID)

Sample Name : 178335-012,100217,tvh
FileName : G:\GC19\DATA\077X008.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: 1.0 Plot Offset: -13 mV

Sample #: a1.0 Page 1 of 1
Date : 3/18/05 05:23 PM
Time of Injection: 3/18/05 01:56 PM
Low Point : -13.19 mV High Point : 532.26 mV
Plot Scale: 545.5 mV

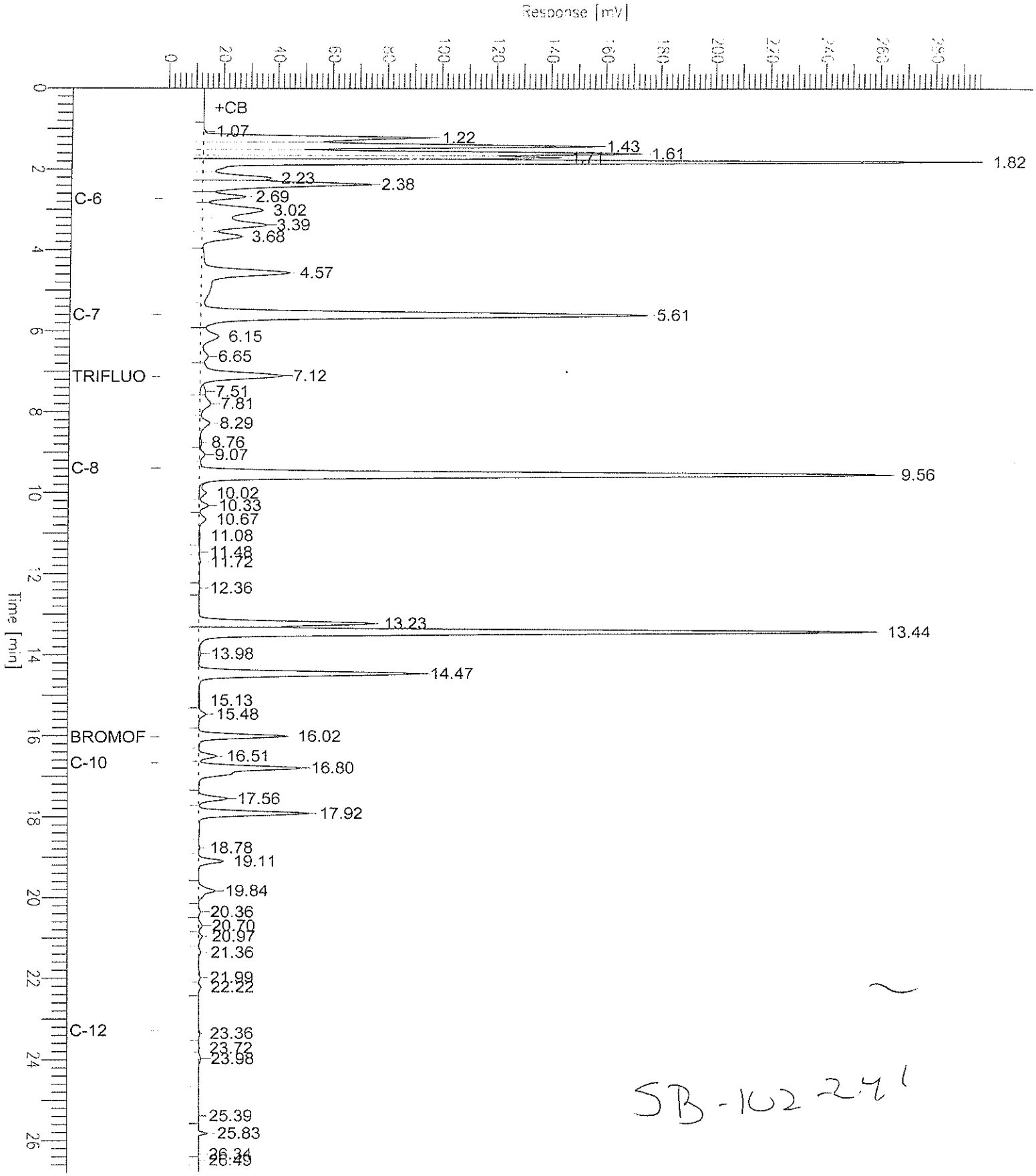


SB-162-161

GC19 TVH 'X' Data File (FID)

Sample Name : 178335-013,100217,tvh
FileName : G:\GC19\DATA\077X009.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: 1.0 Plot Offset: -1 mV

Sample #: a1.0 Page 1 of 1
Date : 3/18/05 02:57 PM
Time of Injection: 3/18/05 02:30 PM
Low Point : -1.45 mV High Point : 297.36 mV
Plot Scale: 298.8 mV



SB-102-24'

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/17/05
Units:	ug/L	Received:	03/17/05
Batch#:	100217		

Field ID: SB-103-14' Diln Fac: 1.000
Type: SAMPLE Analyzed: 03/18/05
Lab ID: 178335-015

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	107	63-141
Bromofluorobenzene (FID)	122	79-139

Field ID: SB-103-18' Diln Fac: 25.00
Type: SAMPLE Analyzed: 03/18/05
Lab ID: 178335-018

Analyte	Result	RL
Gasoline C7-C12	95,000	1,300

Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	63-141
Bromofluorobenzene (FID)	114	79-139

Field ID: SB-103-26' Diln Fac: 5.000
Type: SAMPLE Analyzed: 03/19/05
Lab ID: 178335-019

Analyte	Result	RL
Gasoline C7-C12	14,000	250

Surrogate	%REC	Limits
Trifluorotoluene (FID)	131	63-141
Bromofluorobenzene (FID)	122	79-139

Type: BLANK Diln Fac: 1.000
Lab ID: QC286606 Analyzed: 03/18/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

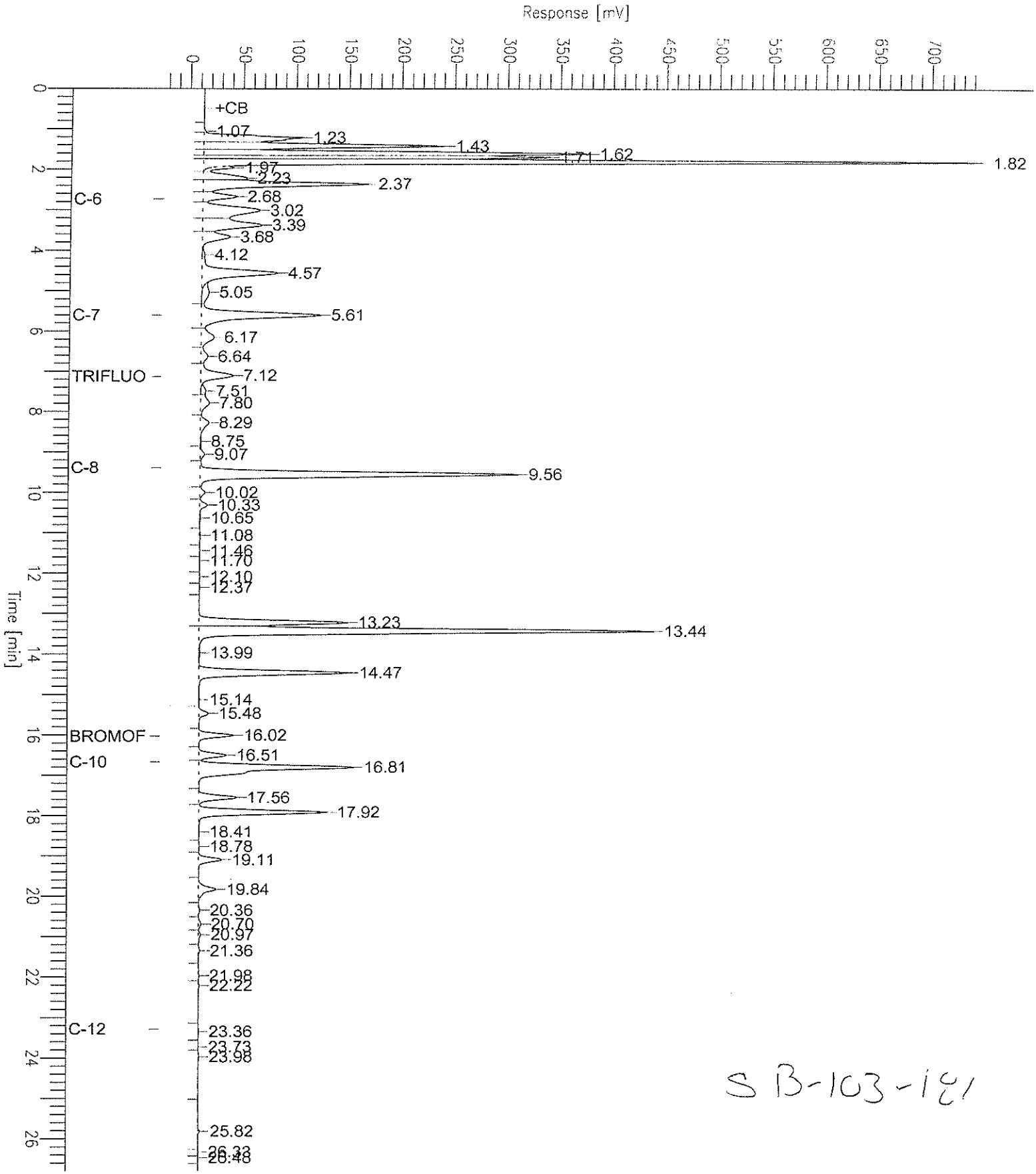
Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	63-141
Bromofluorobenzene (FID)	106	79-139

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

GC19 TVH 'X' Data File (FID)

Sample Name : 178335-018,100217,tvh
FileName : G:\GC19\DATA\077X010.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: 1.0 Plot Offset: -24 mV

Sample #: a1.0 Page 1 of 1
Date : 3/18/05 03:32 PM
Time of Injection: 3/18/05 03:05 PM
Low Point : -24.04 mV High Point : 748.76 mV
Plot Scale: 772.8 mV

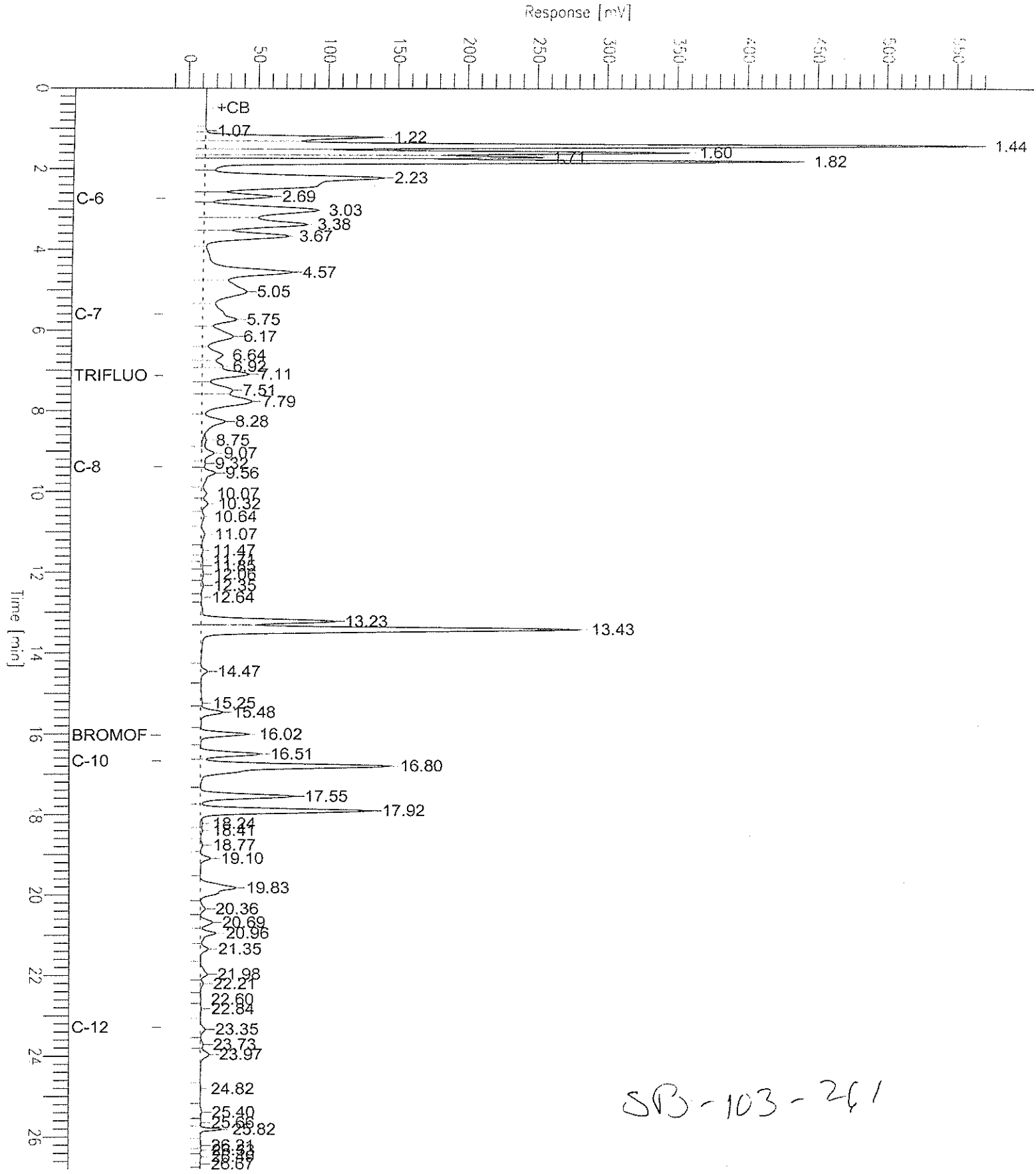


SB-103-121

GC19 TVH 'X' Data File (FID)

Sample Name : 178335-019,100217,tvh
FileName : G:\GC19\DATA\077X031.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: 1.0 Plot Offset: -15 mV

Sample #: a1.0 Page 1 of 1
Date : 3/20/05 10:05 AM
Time of Injection: 3/19/05 03:20 AM
Low Point : -15.36 mV High Point : 570.30 mV
Plot Scale: 585.7 mV

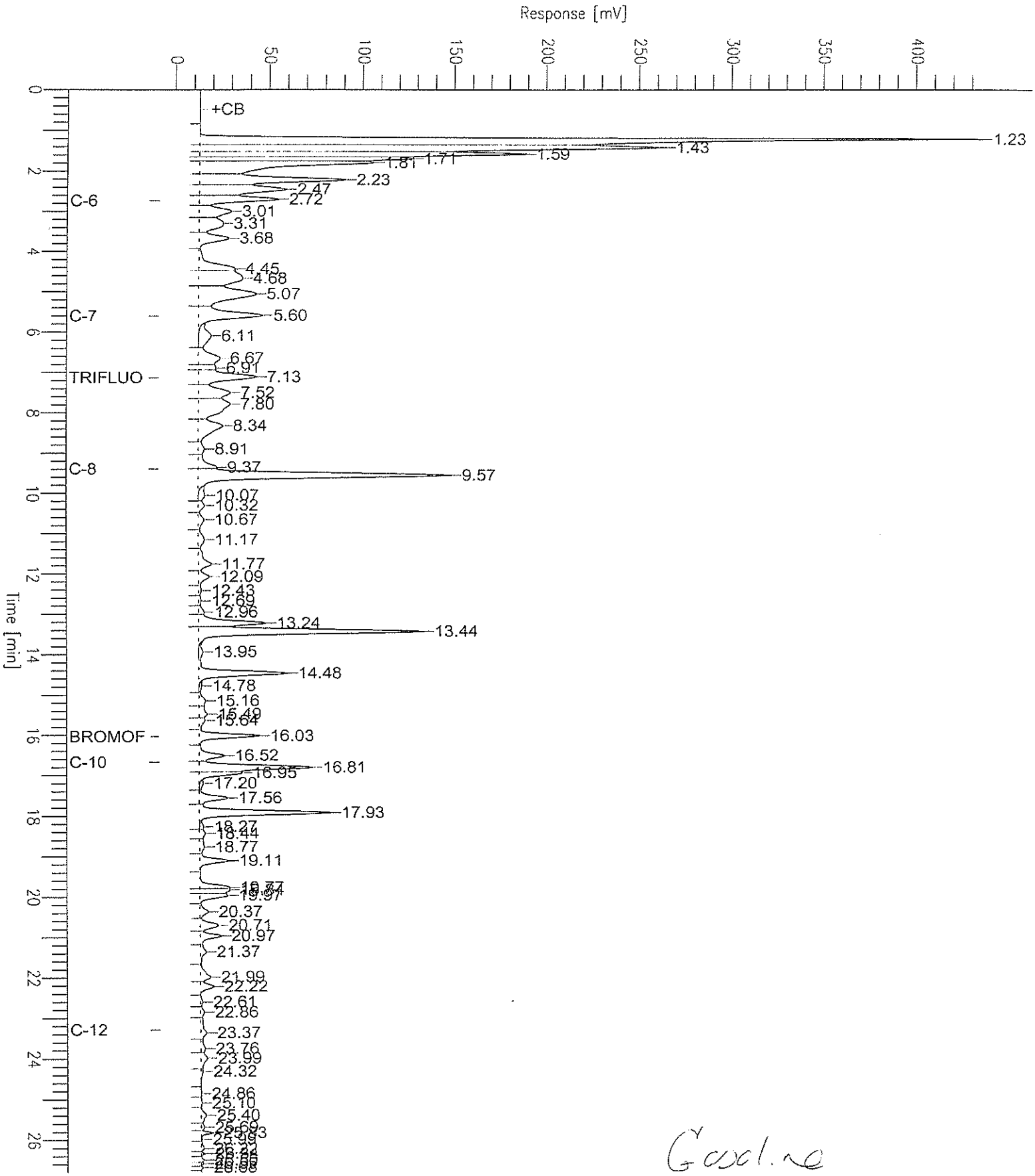


SB-103-261

GC19 TVH 'X' Data File (FID)

Sample Name : ccv/lcs,qc286608,100217,S73,5/5000
FileName : G:\GC19\DATA\077X003.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: 1.0 Plot Offset: -8 mV

Sample #: Page 1 of 1
Date : 3/18/05 10:07 AM
Time of Injection: 3/18/05 09:40 AM
Low Point : -8.13 mV High Point : 435.85 mV
Plot Scale: 444.0 mV



Good.no

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC286608	Batch#:	100217
Matrix:	Water	Analyzed:	03/18/05
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,215	111	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	120	63-141
Bromofluorobenzene (FID)	118	79-139

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	100217
MSS Lab ID:	178352-003	Sampled:	03/17/05
Matrix:	Water	Received:	03/18/05
Units:	ug/L	Analyzed:	03/19/05
Diln Fac:	1.000		

Type: MS Lab ID: QC286735

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<22.03	2,000	1,998	100	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	112	63-141
Bromofluorobenzene (FID)	111	79-139

Type: MSD Lab ID: QC286736

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,990	99	80-120	0	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	113	63-141
Bromofluorobenzene (FID)	112	79-139

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	03/17/05
Units:	mg/Kg	Received:	03/17/05
Basis:	as received	Analyzed:	03/18/05
Batch#:	100233		

Field ID: SB-101-5-5.5' Lab ID: 178335-001
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	0.97

Surrogate	%REC	Limits
Trifluorotoluene (FID)	93	60-138
Bromofluorobenzene (FID)	99	66-148

Field ID: SB-101-10-10.5' Lab ID: 178335-002
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	90	60-138
Bromofluorobenzene (FID)	96	66-148

Field ID: SB-101-15-15.5' Lab ID: 178335-003
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	91	60-138
Bromofluorobenzene (FID)	99	66-148

Field ID: SB-101-20-20.5' Lab ID: 178335-004
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	94	60-138
Bromofluorobenzene (FID)	103	66-148

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	03/17/05
Units:	mg/Kg	Received:	03/17/05
Basis:	as received	Analyzed:	03/18/05
Batch#:	100233		

Field ID: SB-101-25-25.5' Lab ID: 178335-005
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	0.91

Surrogate	%REC	Limits
Trifluorotoluene (FID)	90	60-138
Bromofluorobenzene (FID)	96	66-148

Field ID: SB-101-34' Lab ID: 178335-007
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	0.98

Surrogate	%REC	Limits
Trifluorotoluene (FID)	90	60-138
Bromofluorobenzene (FID)	97	66-148

Field ID: SB-102-6-6.5' Lab ID: 178335-008
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	90	60-138
Bromofluorobenzene (FID)	98	66-148

Field ID: SB-102-10-10.5' Lab ID: 178335-009
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	1.8 Y	1.0

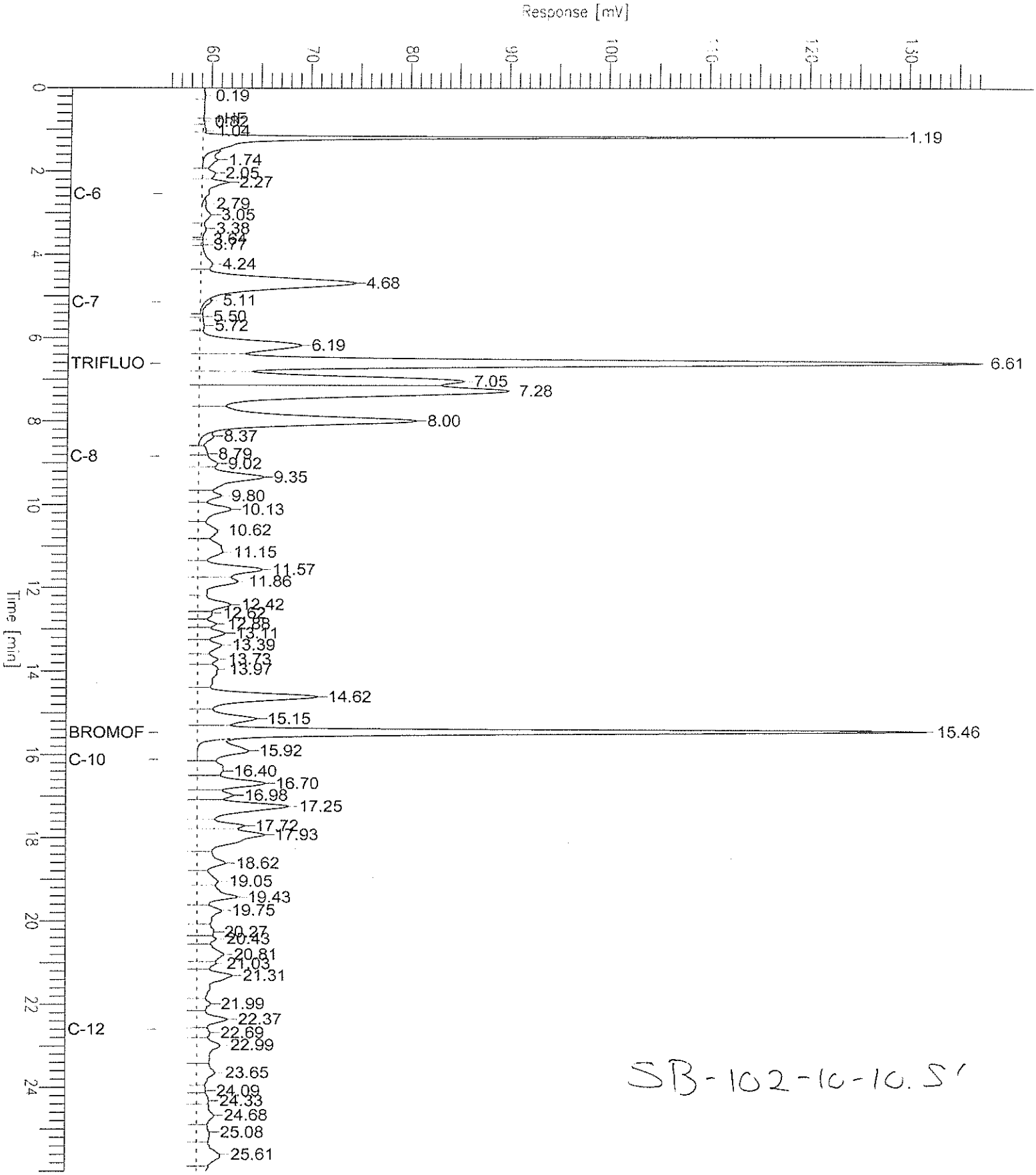
Surrogate	%REC	Limits
Trifluorotoluene (FID)	97	60-138
Bromofluorobenzene (FID)	107	66-148

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

GC04 TVH 'J' Data File FID

Sample Name : 178335-009,100233,tvh
FileName : G:\GC04\DATA\077J003.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 55 mV

Sample #: a Page 1 of 1
Date : 3/20/05 12:05 PM
Time of Injection: 3/18/05 01:02 PM
Low Point : 55.26 mV High Point : 137.49 mV
Plot Scale: 82.2 mV



SB-102-10-10.5'

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	03/17/05
Units:	mg/Kg	Received:	03/17/05
Basis:	as received	Analyzed:	03/18/05
Batch#:	100233		

Field ID: SB-102-15.5-16' Lab ID: 178335-011
Type: SAMPLE Diln Fac: 25.00

Analyte	Result	RL
Gasoline C7-C12	800	25

Surrogate	%REC	Limits
Trifluorotoluene (FID)	132	60-138
Bromofluorobenzene (FID)	106	66-148

Field ID: SB-103-3.5-4' Lab ID: 178335-014
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	86	60-138
Bromofluorobenzene (FID)	92	66-148

Field ID: SB-103-15-15.5' Lab ID: 178335-016
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	90	60-138
Bromofluorobenzene (FID)	95	66-148

Field ID: SB-103-17.5-18' Lab ID: 178335-017
Type: SAMPLE Diln Fac: 20.00

Analyte	Result	RL
Gasoline C7-C12	240 Y	20

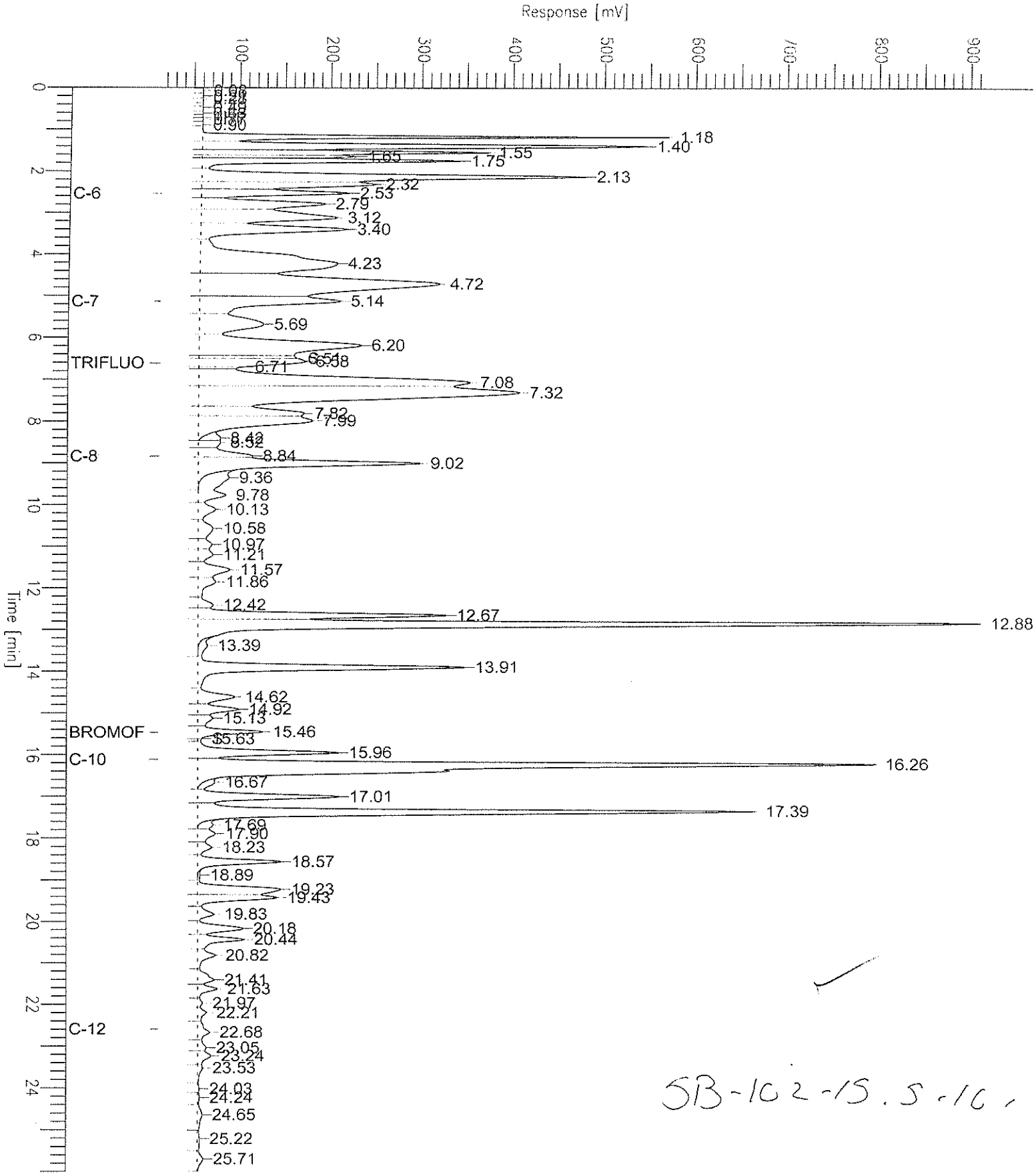
Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	60-138
Bromofluorobenzene (FID)	105	66-148

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

GC04 TVH 'J' Data File FID

Sample Name : 178335-011,100233,tvh
FileName : G:\GC04\DATA\077J004.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 16 mV

Sample #: a Page 1 of 1
Date : 3/18/05 07:03 PM
Time of Injection: 3/18/05 01:38 PM
Low Point : 16.48 mV High Point : 914.11 mV
Plot Scale: 897.6 mV

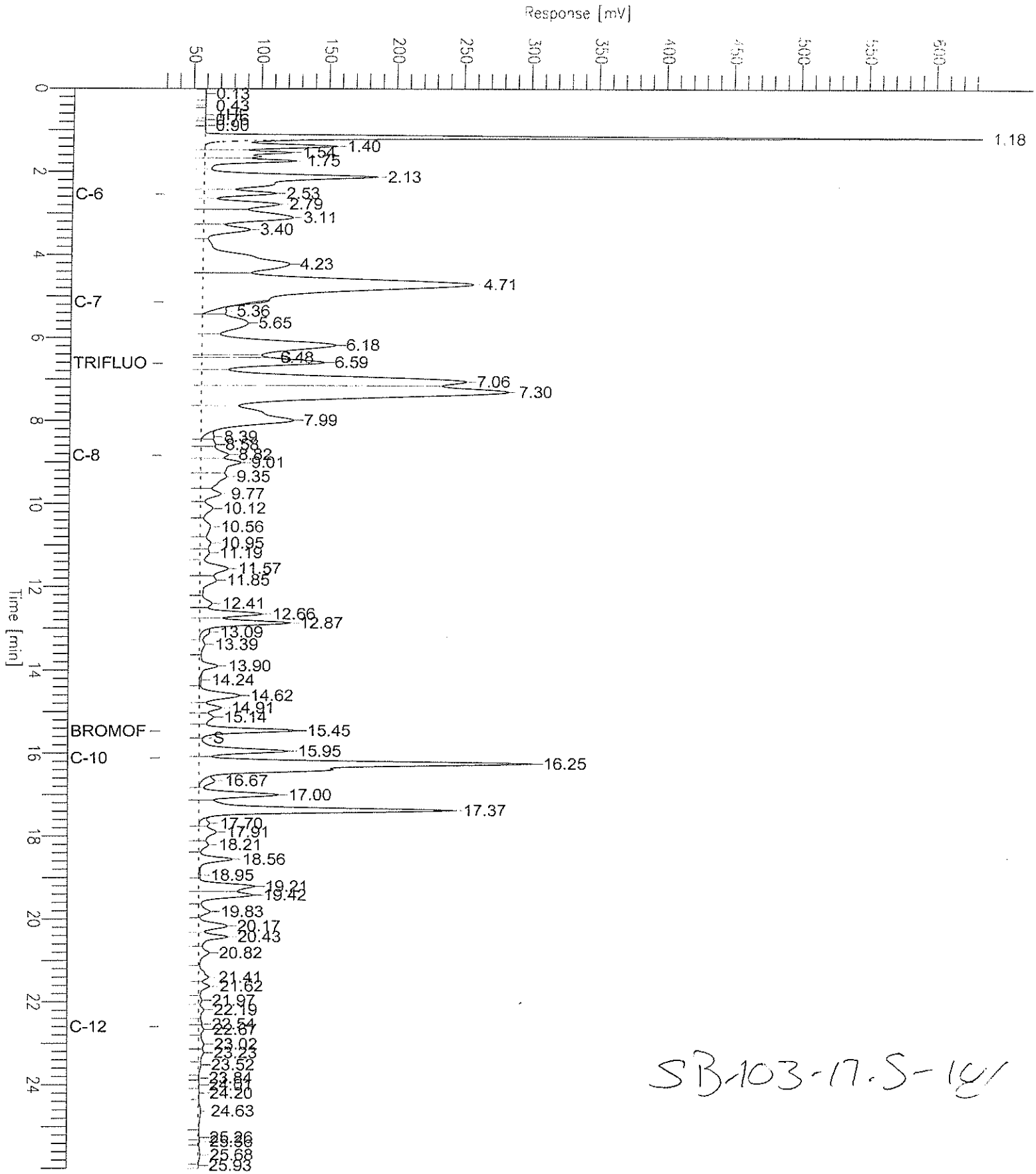


SB-102-15.5-16'

GC04 TVH 'J' Data File FID

Sample Name : 178335-017,100233,tvh
FileName : G:\GC04\DATA\077J010.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 30 mV

Sample #: a Page 1 of 1
Date : 3/18/05 07:03 PM
Time of Injection: 3/18/05 05:13 PM
Low Point : 29.85 mV High Point : 634.68 mV
Plot Scale: 604.8 mV

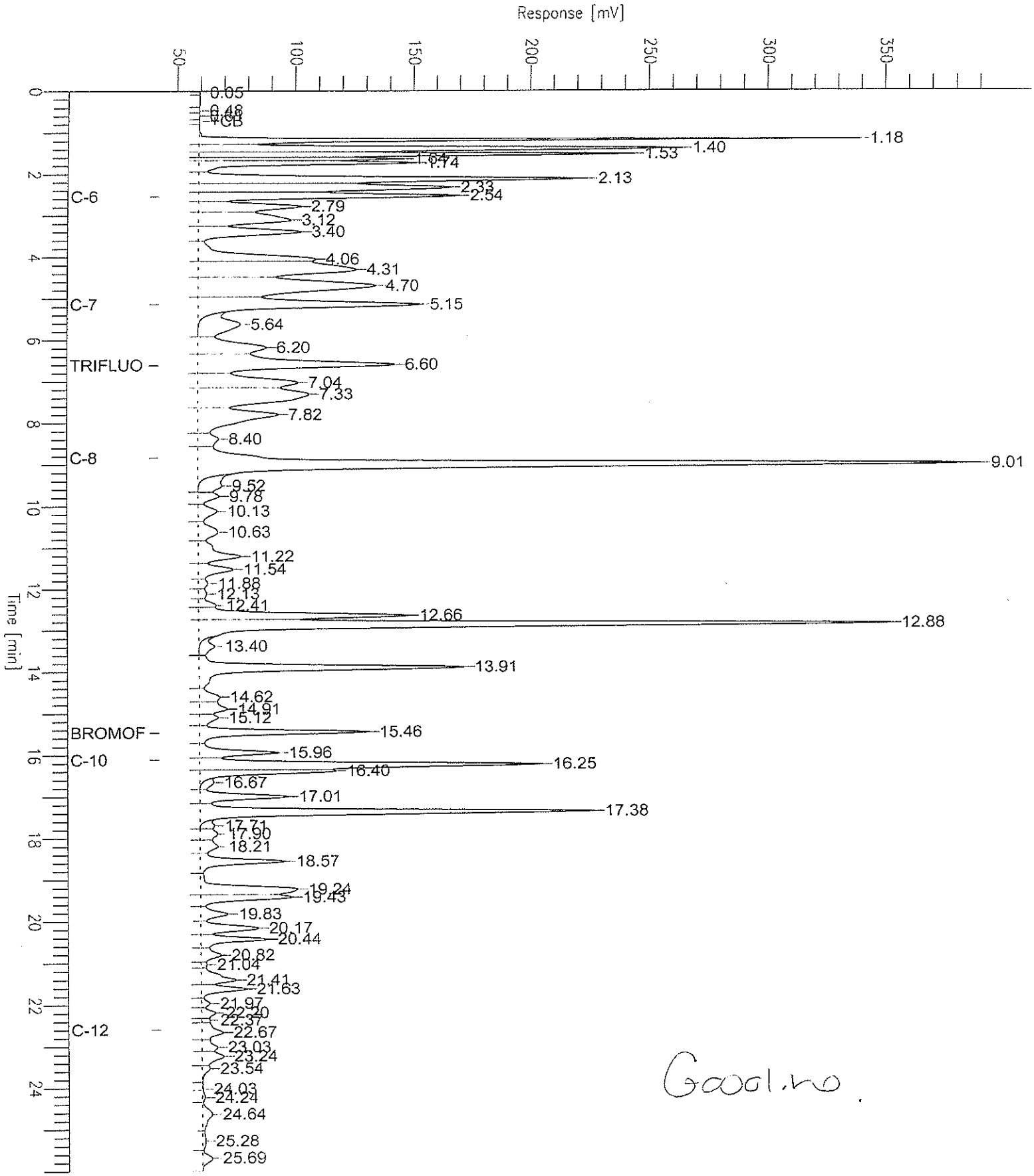


SB-103-17.5-19

GC04 TVH 'J' Data File FID

Sample Name : ccv/lcs,qc286670,100233,S73,5/5000
FileName : G:\GC04\DATA\077J001.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 43 mV

Sample #: Page 1 of 1
Date : 3/18/05 12:17 PM
Time of Injection: 3/18/05 11:51 AM
Low Point : 42.74 mV High Point : 390.37 mV
Plot Scale: 347.6 mV



Good.no.

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	03/17/05
Units:	mg/Kg	Received:	03/17/05
Basis:	as received	Analyzed:	03/18/05
Batch#:	100233		

Type: BLANK
Lab ID: QC286669

Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	94	60-138
Bromofluorobenzene (FID)	100	66-148

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC286670	Diln Fac:	1.000
Matrix:	Soil	Batch#:	100233
Units:	mg/Kg	Analyzed:	03/18/05

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	10.24	102	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	135	60-138
Bromofluorobenzene (FID)	106	66-148

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8015B
Field ID:	SB-101-15-15.5'	Diln Fac:	1.000
MSS Lab ID:	178335-003	Batch#:	100233
Matrix:	Soil	Sampled:	03/17/05
Units:	mg/Kg	Received:	03/17/05
Basis:	as received	Analyzed:	03/18/05

Type: MS Lab ID: QC286682

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.09512	9.174	8.674	94	43-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	130	60-138
Bromofluorobenzene (FID)	105	66-148

Type: MSD Lab ID: QC286683

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	9.524	8.895	92	43-120	1	27

Surrogate	%REC	Limits
Trifluorotoluene (FID)	131	60-138
Bromofluorobenzene (FID)	105	66-148

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/17/05
Units:	ug/L	Received:	03/17/05
Batch#:	100314	Prepared:	03/21/05

Field ID: SB-101-28'
Type: SAMPLE
Lab ID: 178335-006
Diln Fac: 1.000
Analyzed: 03/23/05

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
Hexacosane	73	55-143

Field ID: SB-102-12'
Type: SAMPLE
Lab ID: 178335-010
Diln Fac: 1.000
Analyzed: 03/23/05

Analyte	Result	RL
Diesel C10-C24	1,400 H Y	50

Surrogate	%REC	Limits
Hexacosane	89	55-143

Field ID: SB-102-16'
Type: SAMPLE
Lab ID: 178335-012
Diln Fac: 1.000
Analyzed: 03/23/05

Analyte	Result	RL
Diesel C10-C24	10,000 L Y	50

Surrogate	%REC	Limits
Hexacosane	103	55-143

Field ID: SB-102-24'
Type: SAMPLE
Lab ID: 178335-013
Diln Fac: 1.000
Analyzed: 03/23/05

Analyte	Result	RL
Diesel C10-C24	11,000 H L Y	50

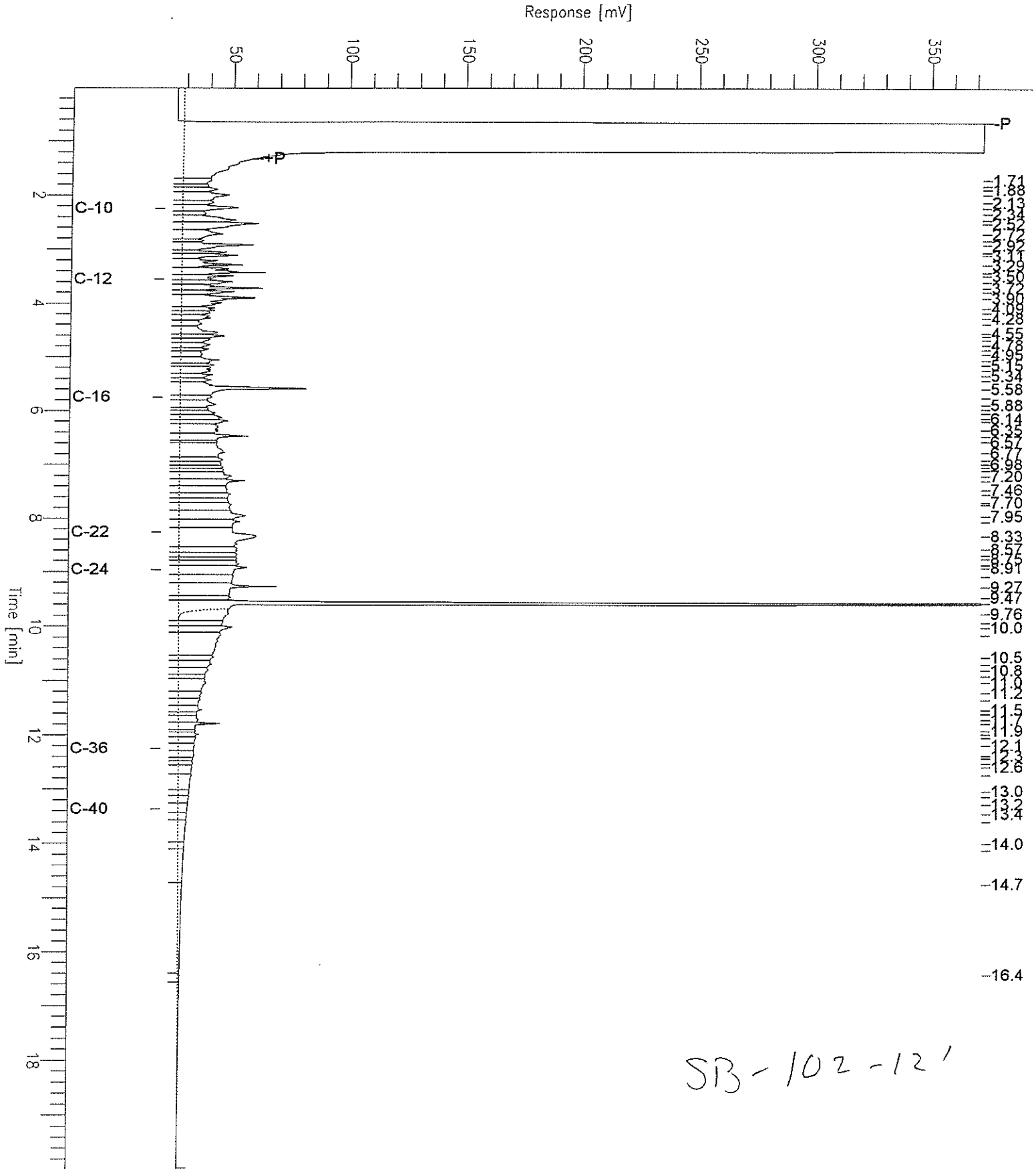
Surrogate	%REC	Limits
Hexacosane	98	55-143

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

Chromatogram

Sample Name : 178335-010,100314
FileName : G:\GC17\CHA\079A104.RAW
Method : ATEH077.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 21 mV

Sample #: 100314 Page 1 of 1
Date : 3/23/05 01:58 PM
Time of Injection: 3/23/05 01:36 PM
Low Point : 20.75 mV High Point : 372.91 mV
Plot Scale: 352.2 mV

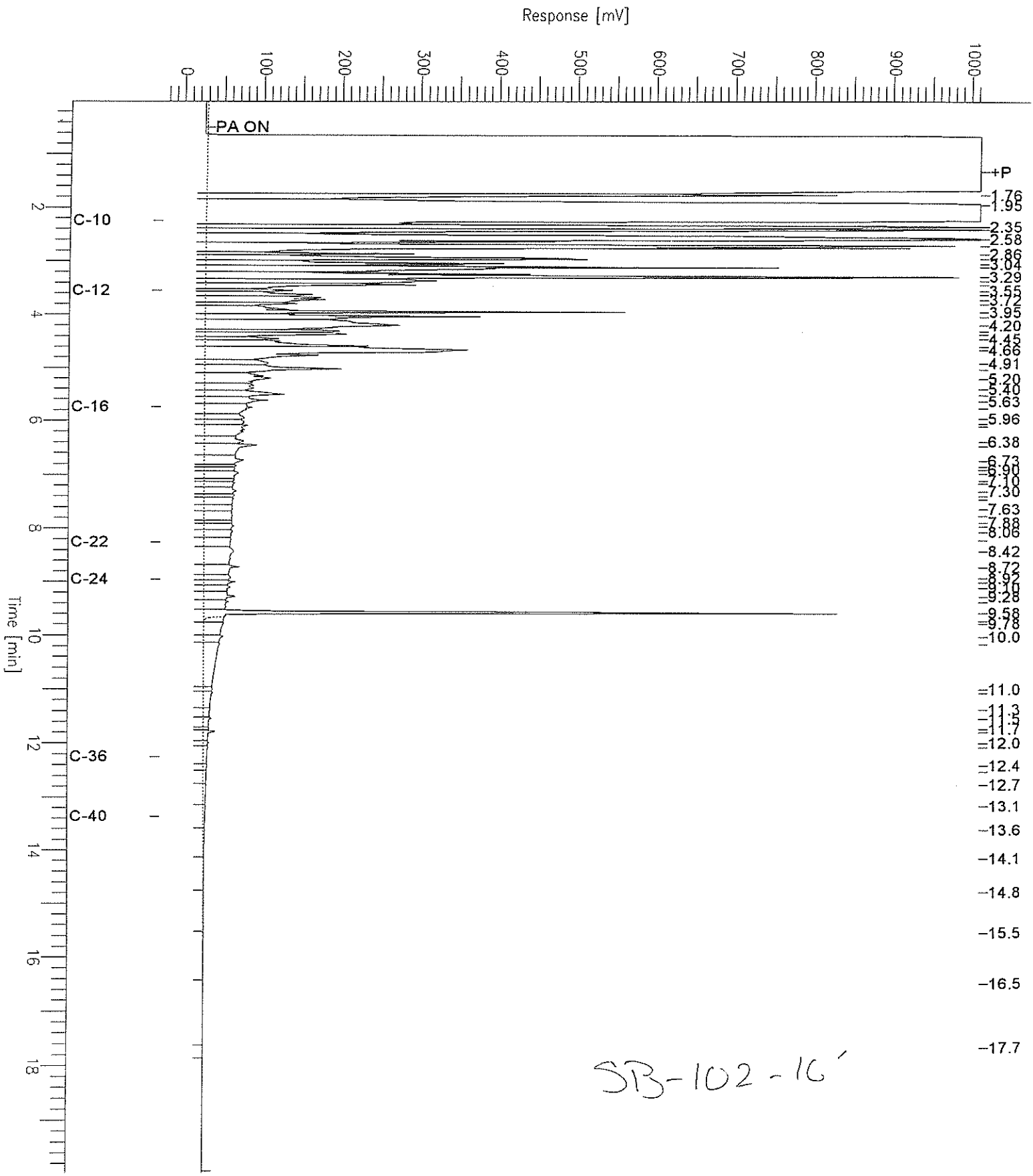


SB-102-12'

Chromatogram

Sample Name : 178335-012,100314
FileName : G:\GC17\CHA\079A103.RAW
Method : ATEH077.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: -27 mV

Sample #: 100314 Page 1 of 1
Date : 3/23/05 01:39 PM
Time of Injection: 3/23/05 01:08 PM
Low Point : -26.86 mV High Point : 1013.06 mV
Plot Scale: 1039.9 mV

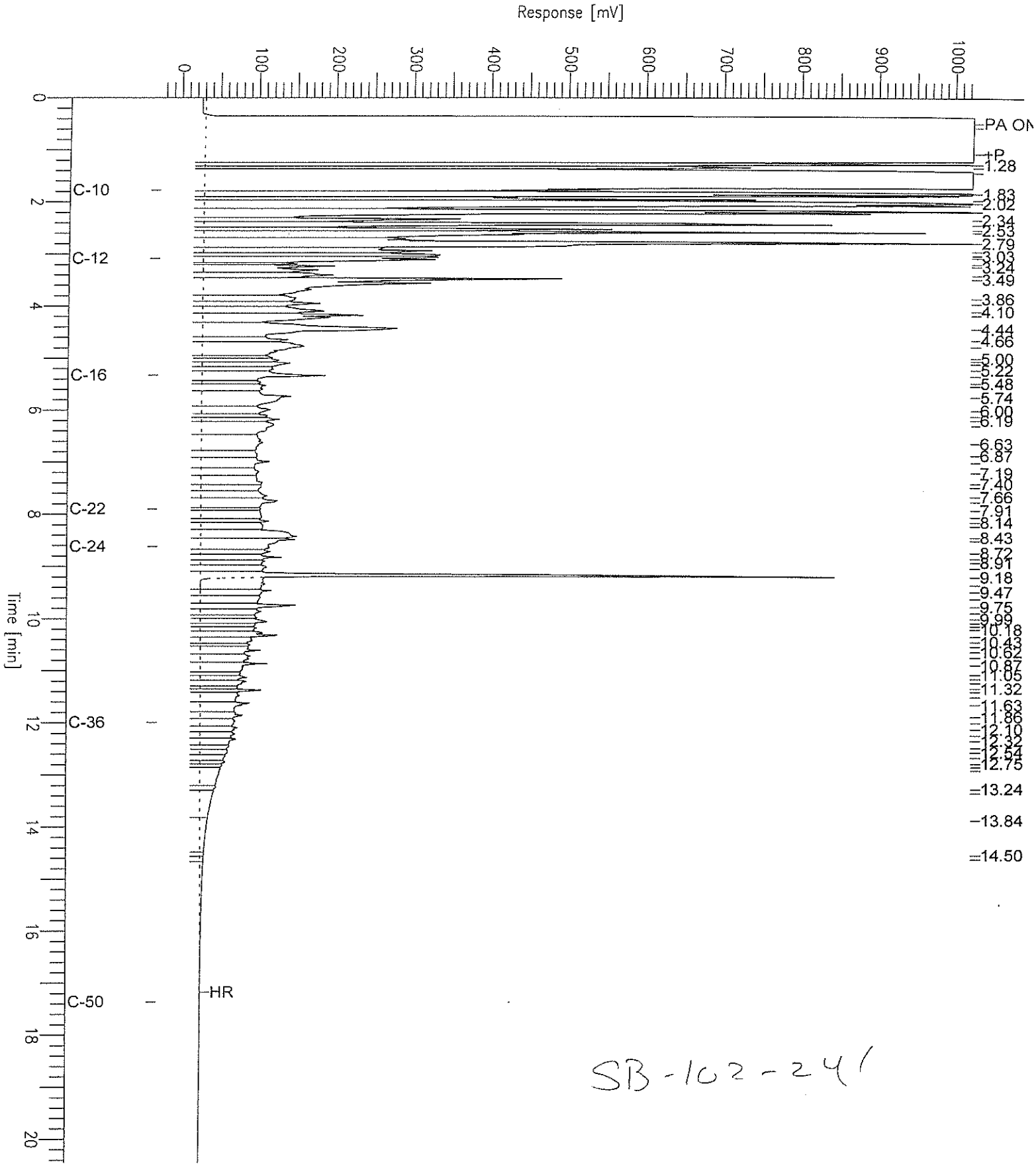


SB-102-16'

Chromatogram

Sample Name : 178335-013,100314
FileName : G:\GC11\CHA\050A084.RAW
Method : ATEH072S.MTH
Start Time : 0.00 min End Time : 20.46 min
Scale Factor: 0.0 Plot Offset: -26 mV

Sample #: 100314 Page 1 of 1
Date : 3/23/05 12:54 PM
Time of Injection: 3/23/05 12:30 PM
Low Point : -26.42 mV High Point : 1024.00 mV
Plot Scale: 1050.4 mV



SB-102-241

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/17/05
Units:	ug/L	Received:	03/17/05
Batch#:	100314	Prepared:	03/21/05

Field ID: SB-103-14' Diln Fac: 1.000
Type: SAMPLE Analyzed: 03/23/05
Lab ID: 178335-015

Analyte	Result	RL
Diesel C10-C24	700 H Y	50

Surrogate	%REC	Limits
Hexacosane	74	55-143

Field ID: SB-103-18' Diln Fac: 1.000
Type: SAMPLE Analyzed: 03/23/05
Lab ID: 178335-018

Analyte	Result	RL
Diesel C10-C24	1,600 L Y	50

Surrogate	%REC	Limits
Hexacosane	83	55-143

Field ID: SB-103-26' Diln Fac: 10.00
Type: SAMPLE Analyzed: 03/24/05
Lab ID: 178335-019

Analyte	Result	RL
Diesel C10-C24	1,100 L Y	500

Surrogate	%REC	Limits
Hexacosane	DO	55-143

Type: BLANK Analyzed: 03/22/05
Lab ID: QC287012 Cleanup Method: EPA 3630C
Diln Fac: 1.000

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
Hexacosane	98	55-143

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

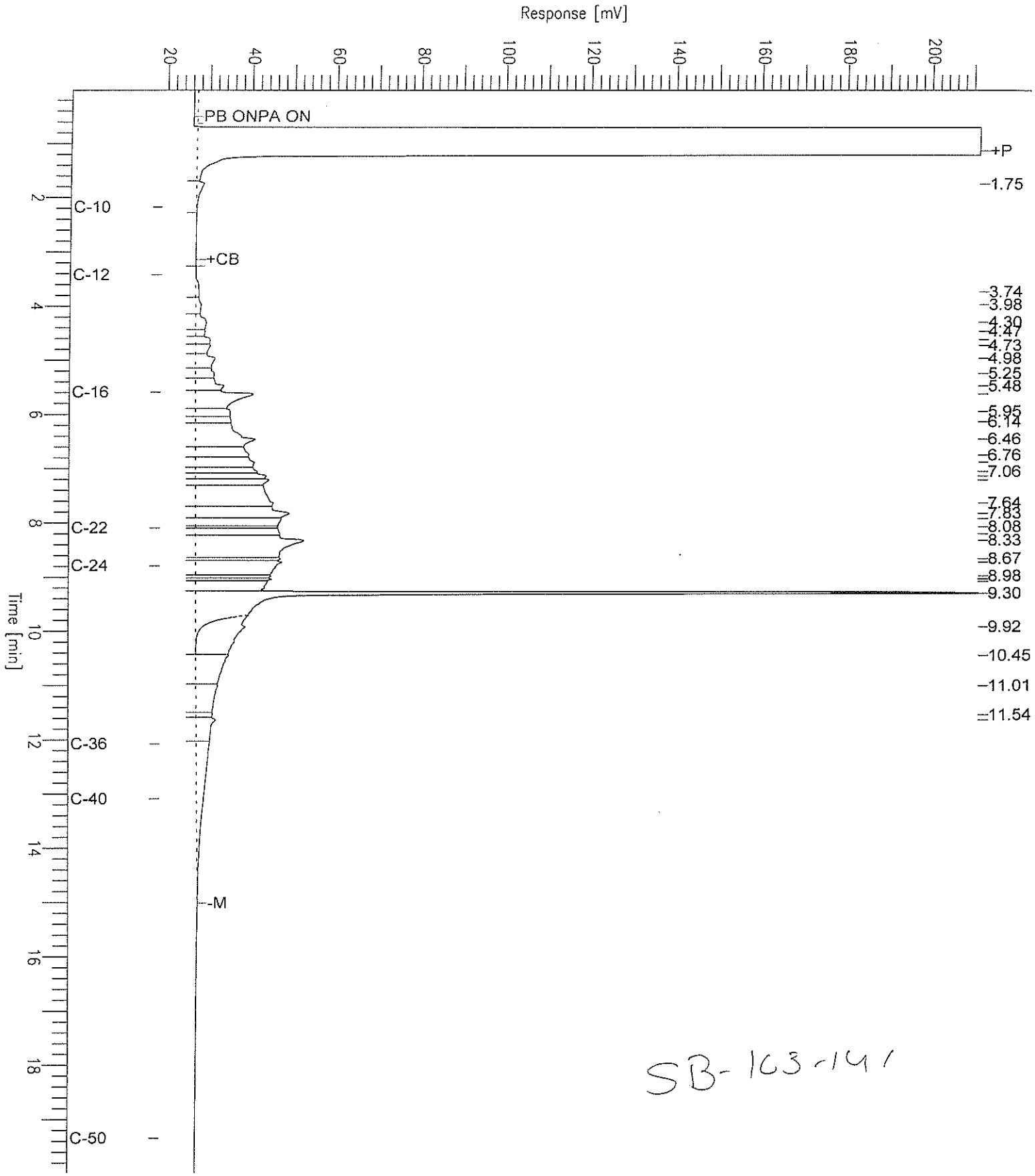
Chromatogram

1583/03/03

15

Sample Name : 176335-029,100314
FileName : G:\GC15\CHB\080B085.RAW
Method : BTEH053S.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 19 mV

Sample #: 100314 Page 1 of 1
Date : 3/23/05 01:12 PM
Time of Injection: 3/23/05 12:42 PM
Low Point : 18.94 mV High Point : 211.59 mV
Plot Scale: 192.7 mV

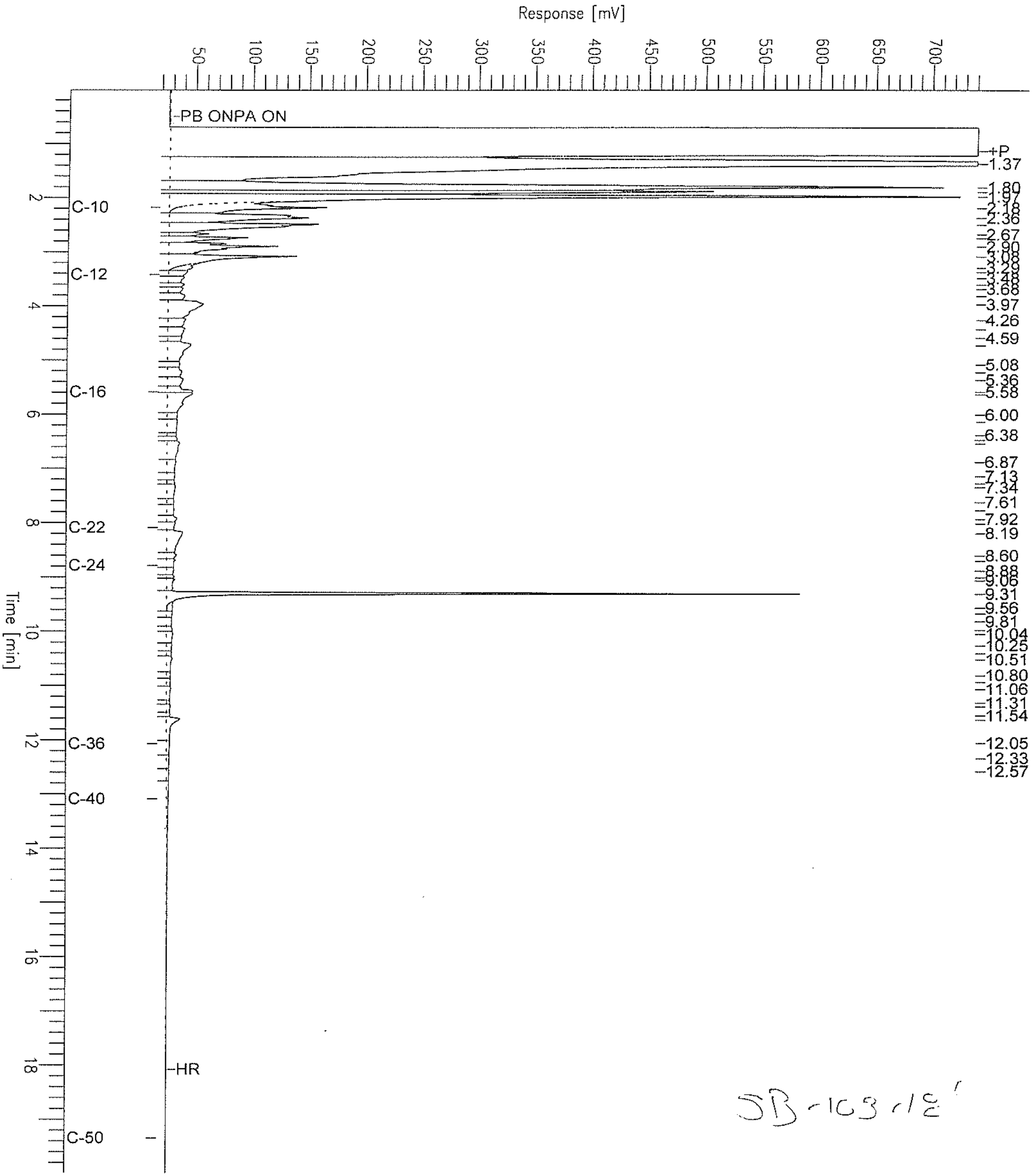


SB-163-141

Chromatogram

Sample Name : 178335-018,100314
FileName : G:\GC15\CHB\080B084.RAW
Method : BTEH053S.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 19 mV

Sample #: 100314 Page 1 of 1
Date : 3/23/05 01:11 PM
Time of Injection: 3/23/05 12:13 PM
Low Point : 18.96 mV High Point : 740.58 mV
Plot Scale: 721.6 mV

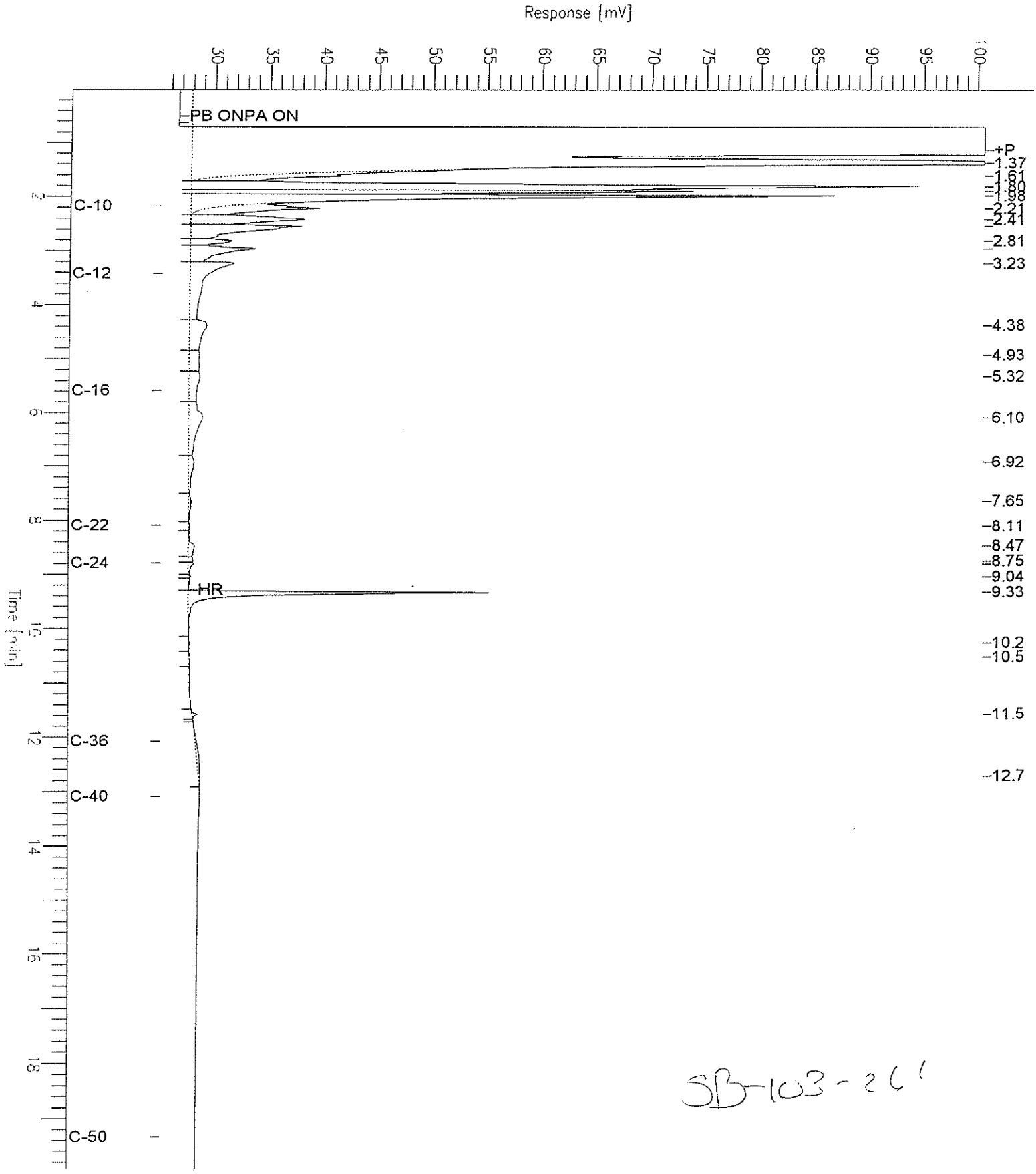


SB-103 / 18'

Chromatogram

Sample Name : 178335-019,100314
FileName : G:\GC15\CHB\083B004.RAW
Method : BTEH053S.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 25 mV

Sample #: 100314 Page 1 of 1
Date : 3/24/05 04:18 PM
Time of Injection: 3/24/05 03:35 PM
Low Point : 25.33 mV High Point : 100.73 mV
Plot Scale: 75.4 mV



SB-103-26'

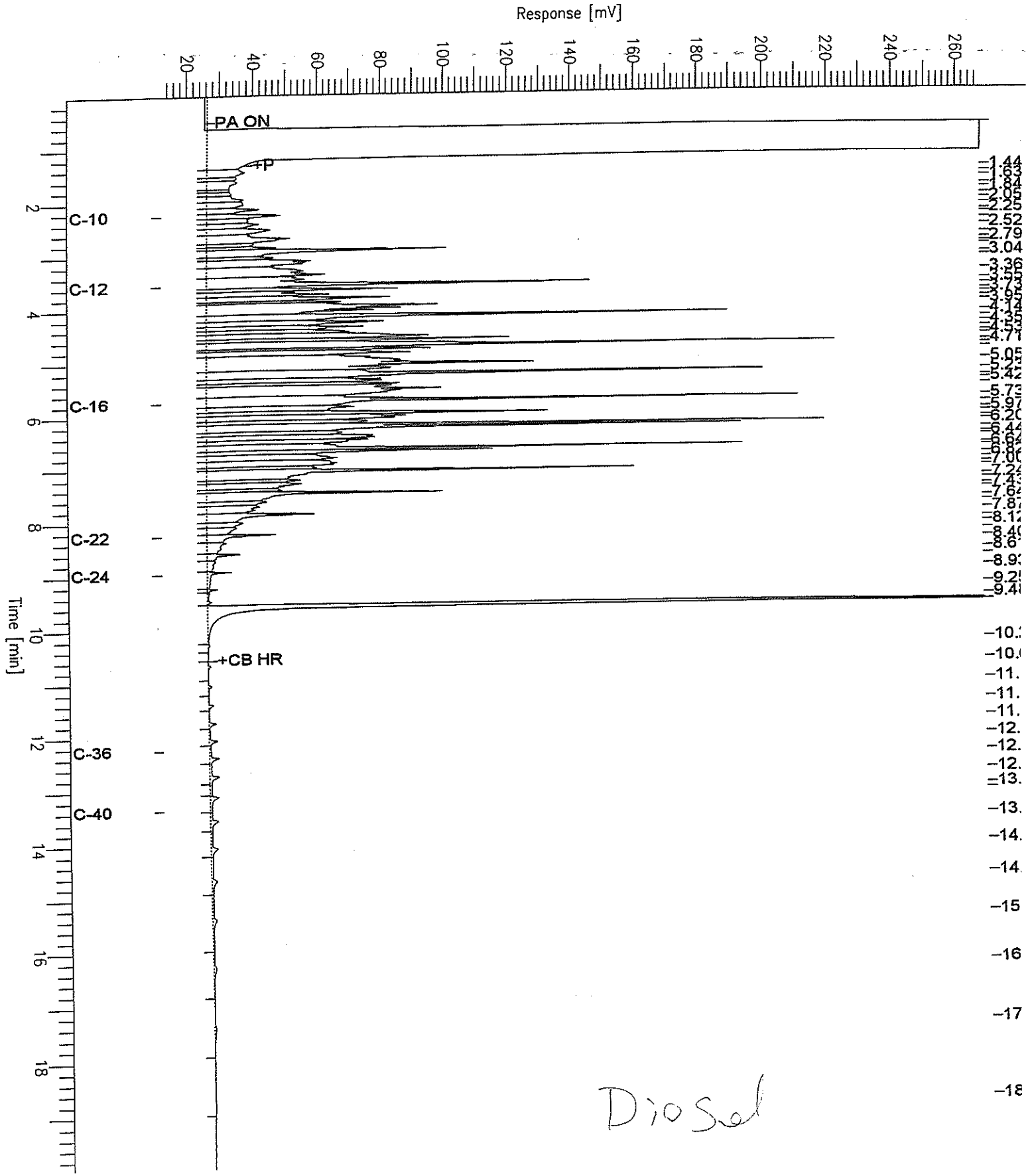
Chromatogram

Sample Name : ccv,s72,dsl
FileName : G:\GC17\CHA\079A003.RAW
Method : ATEH077.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 19.99 min
Plot Offset: 12 mV

Sample #: 500mg/L
Date : 3/20/05 06:27 PM
Time of Injection: 3/20/05 05:31 PM
Low Point : 12.40 mV
Plot Scale: 255.2 mV

High Point : 267.65 mV



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Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09171.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC287013	Batch#:	100314
Matrix:	Water	Prepared:	03/21/05
Units:	ug/L	Analyzed:	03/22/05

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,934	117	50-133

Surrogate	%REC	Limits
Hexacosane	89	55-143

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09171.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	100314
MSS Lab ID:	178202-005	Sampled:	03/11/05
Matrix:	Water	Received:	03/11/05
Units:	ug/L	Prepared:	03/21/05
Diln Fac:	1.000	Analyzed:	03/23/05

Type: MS
Lab ID: QC287014

Cleanup Method: EPA 3630C

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	14.18	2,500	2,318	92	42-127

Surrogate	%REC	Limits
Hexacosane	85	55-143

Type: MSD
Lab ID: QC287015

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	1,992	79	42-127	15	45

Surrogate	%REC	Limits
Hexacosane	74	55-143

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	03/17/05
Units:	mg/Kg	Received:	03/17/05
Basis:	as received	Prepared:	03/22/05
Diln Fac:	1.000	Analyzed:	03/23/05
Batch#:	100342		

Field ID: SB-101-5-5.5' Lab ID: 178335-001
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	ND	0.99

Surrogate	%REC	Limits
Hexacosane	71	51-136

Field ID: SB-101-10-10.5' Lab ID: 178335-002
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	1.3 Y	1.0

Surrogate	%REC	Limits
Hexacosane	69	51-136

Field ID: SB-101-15-15.5' Lab ID: 178335-003
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	7.9 Y Z	0.99

Surrogate	%REC	Limits
Hexacosane	71	51-136

Field ID: SB-101-20-20.5' Lab ID: 178335-004
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	5.0 Y Z	0.99

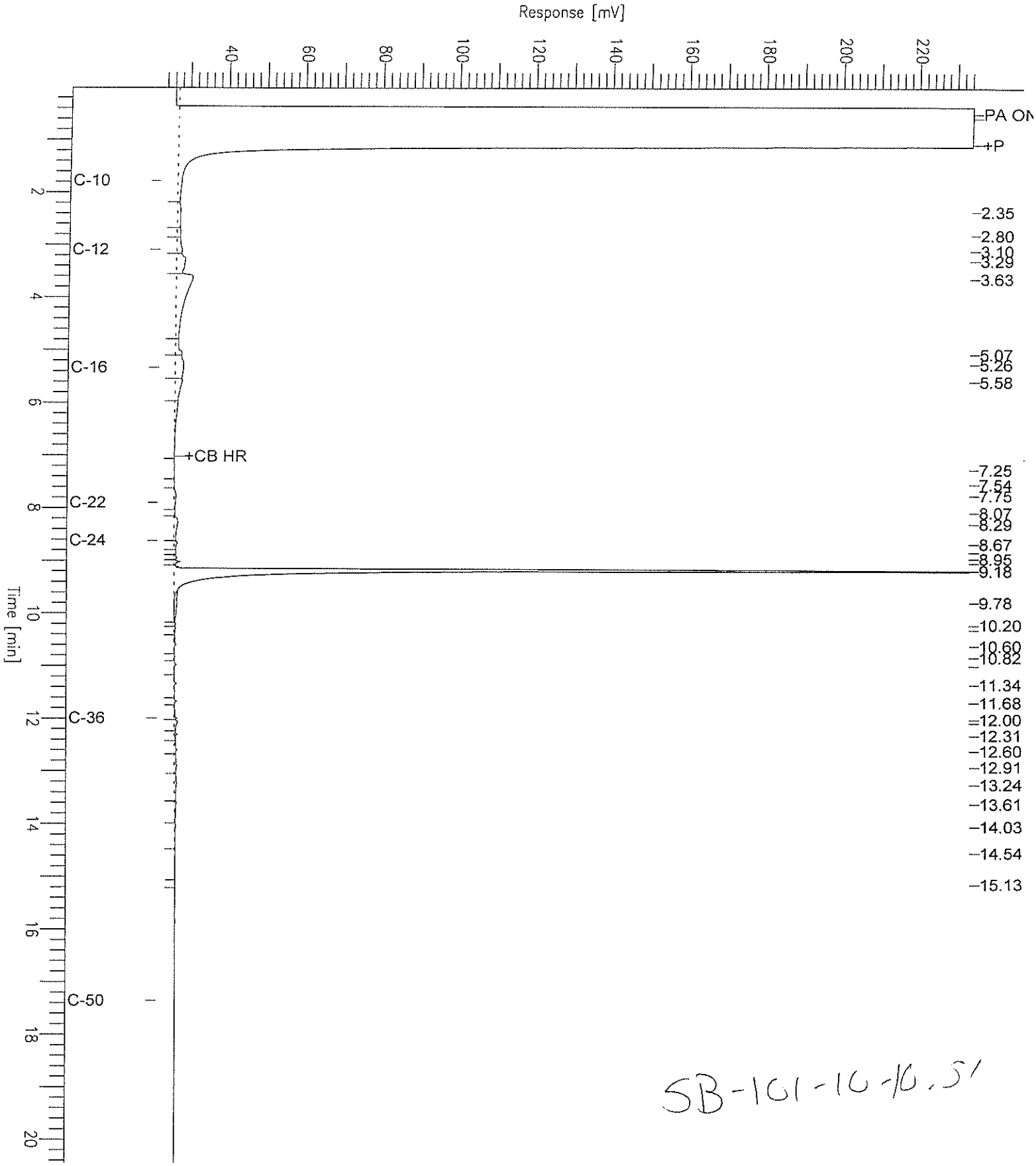
Surrogate	%REC	Limits
Hexacosane	83	51-136

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Chromatogram

Sample Name : 178335-002,100342
FileName : G:\GC11\CHA\080A093.RAW
Method : ATEH072S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 23 mV

Sample #: 100342 Page 1 of 1
Date : 3/23/05 06:53 PM
Time of Injection: 3/23/05 05:01 PM
Low Point : 22.66 mV High Point : 234.22 mV
Plot Scale: 211.6 mV

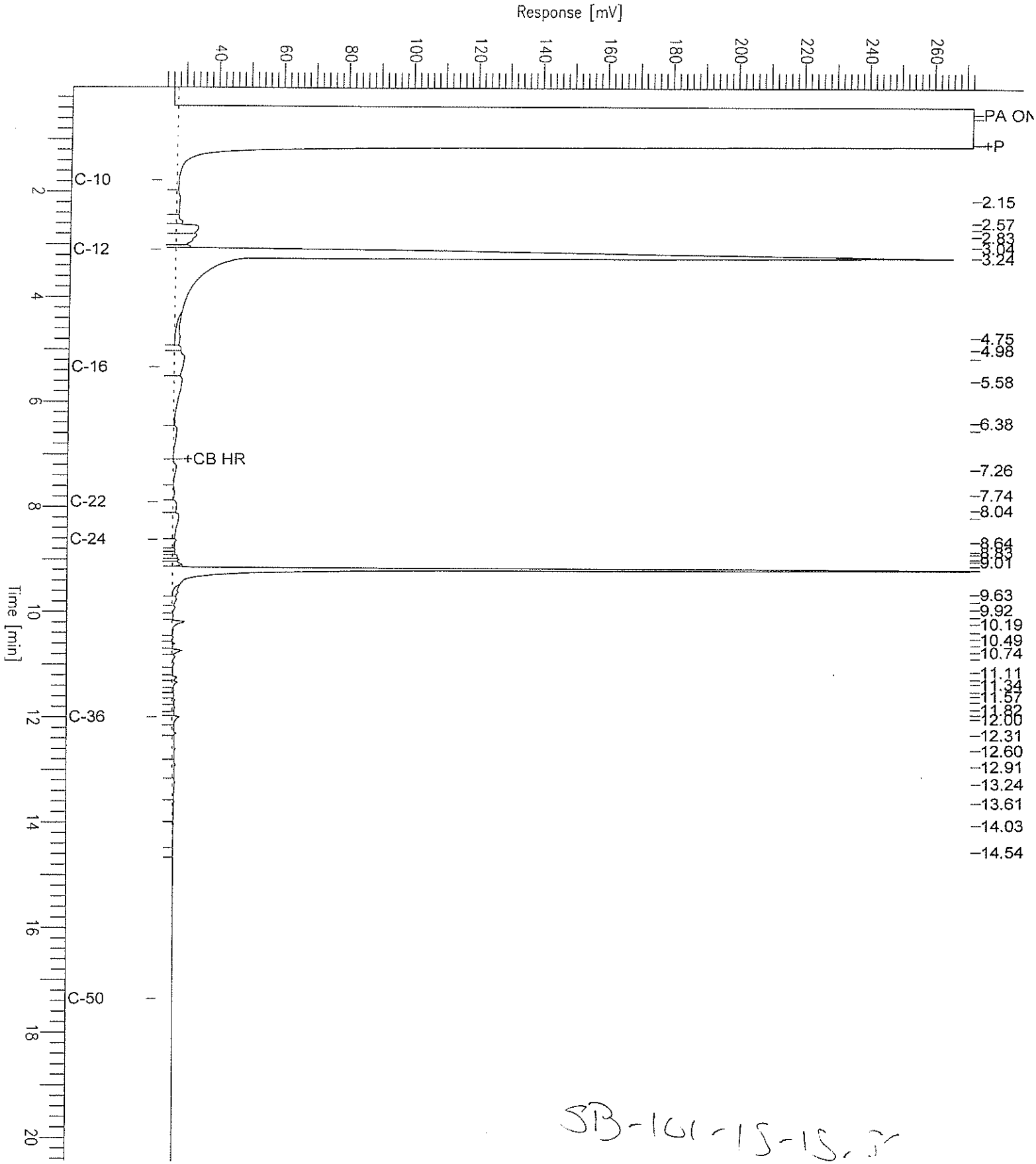


SB-101-10-10.5'

Chromatogram

Sample Name : mss,178335-003,100342
FileName : G:\GC11\CHA\080A091.RAW
Method : ATEH072S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 23 mV

Sample #: 100342 Page 1 of 1
Date : 3/23/05 06:51 PM
Time of Injection: 3/23/05 04:02 PM
Low Point : 22.70 mV High Point : 272.01 mV
Plot Scale: 249.3 mV

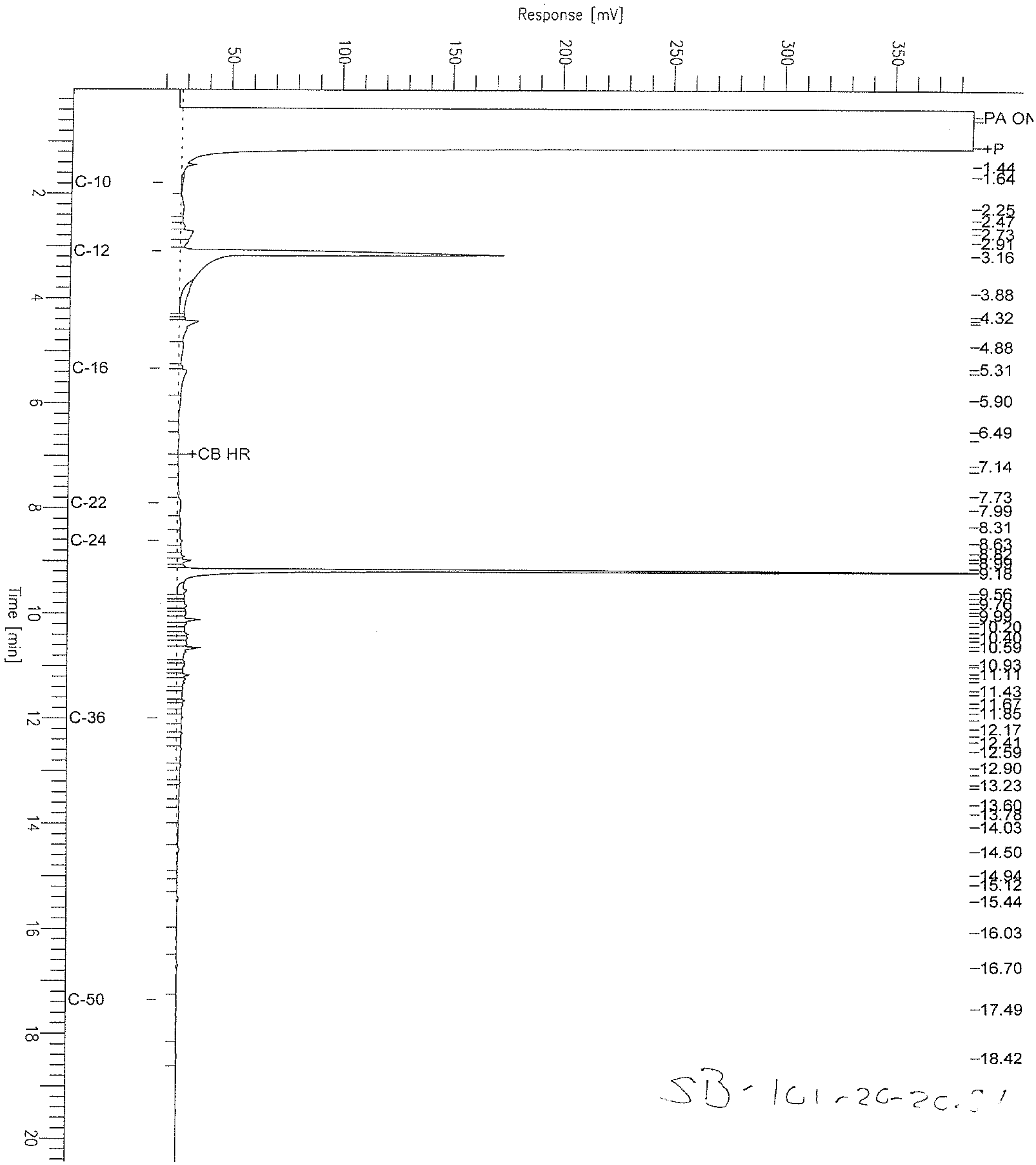


SB-161-15-15.5

Chromatogram

Sample Name : 178335-004,100342
FileName : G:\GC11\CHA\080A094.RAW
Method : ATEH072S.MTH
Start Time : 0.01 min   End Time : 20.45 min
Scale Factor: 0.0   Plot Offset: 19 mV

Sample #: 100342   Page 1 of 1
Date : 3/23/05 06:54 PM
Time of Injection: 3/23/05 05:30 PM
Low Point : 18.97 mV   High Point : 385.49 mV
Plot Scale: 366.5 mV



SB-101-26-26.5'

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	03/17/05
Units:	mg/Kg	Received:	03/17/05
Basis:	as received	Prepared:	03/22/05
Diln Fac:	1.000	Analyzed:	03/23/05
Batch#:	100342		

Field ID: SB-101-25-25.5' Lab ID: 178335-005
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	6.1 Y	1.0

Surrogate	%REC	Limits
Hexacosane	63	51-136

Field ID: SB-101-34' Lab ID: 178335-007
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	ND	0.99

Surrogate	%REC	Limits
Hexacosane	57	51-136

Field ID: SB-102-6-6.5' Lab ID: 178335-008
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	2.6 Y	0.99

Surrogate	%REC	Limits
Hexacosane	66	51-136

Field ID: SB-102-10-10.5' Lab ID: 178335-009
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	21 H L	1.0

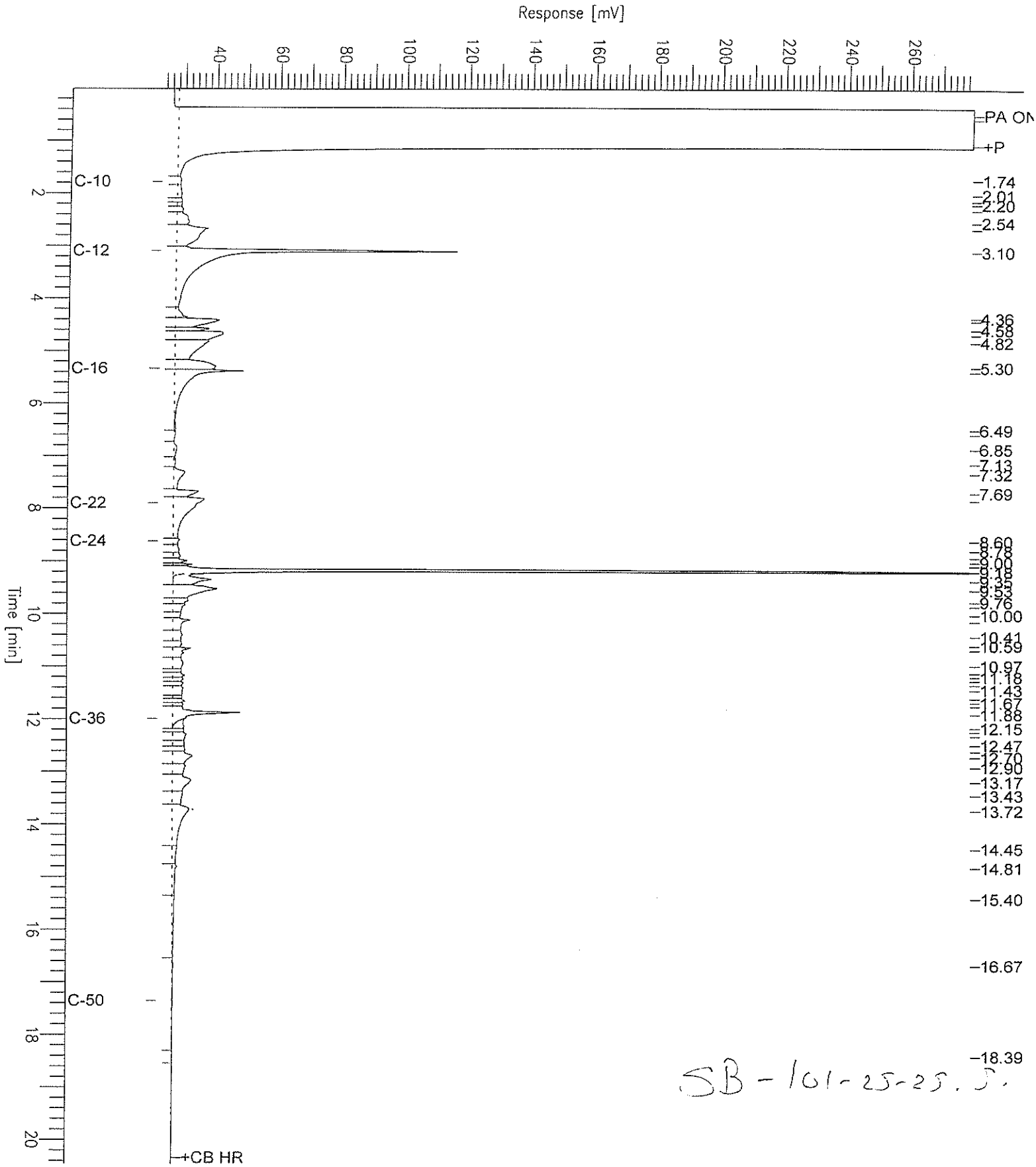
Surrogate	%REC	Limits
Hexacosane	91	51-136

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Chromatogram

Sample Name : 178335-005,100342
FileName : G:\GC11\CHA\080A095.RAW
Method : ATEH072S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 23 mV

Sample #: 100342 Page 1 of 1
Date : 3/23/05 06:55 PM
Time of Injection: 3/23/05 05:59 PM
Low Point : 22.68 mV High Point : 279.67 mV
Plot Scale: 257.0 mV

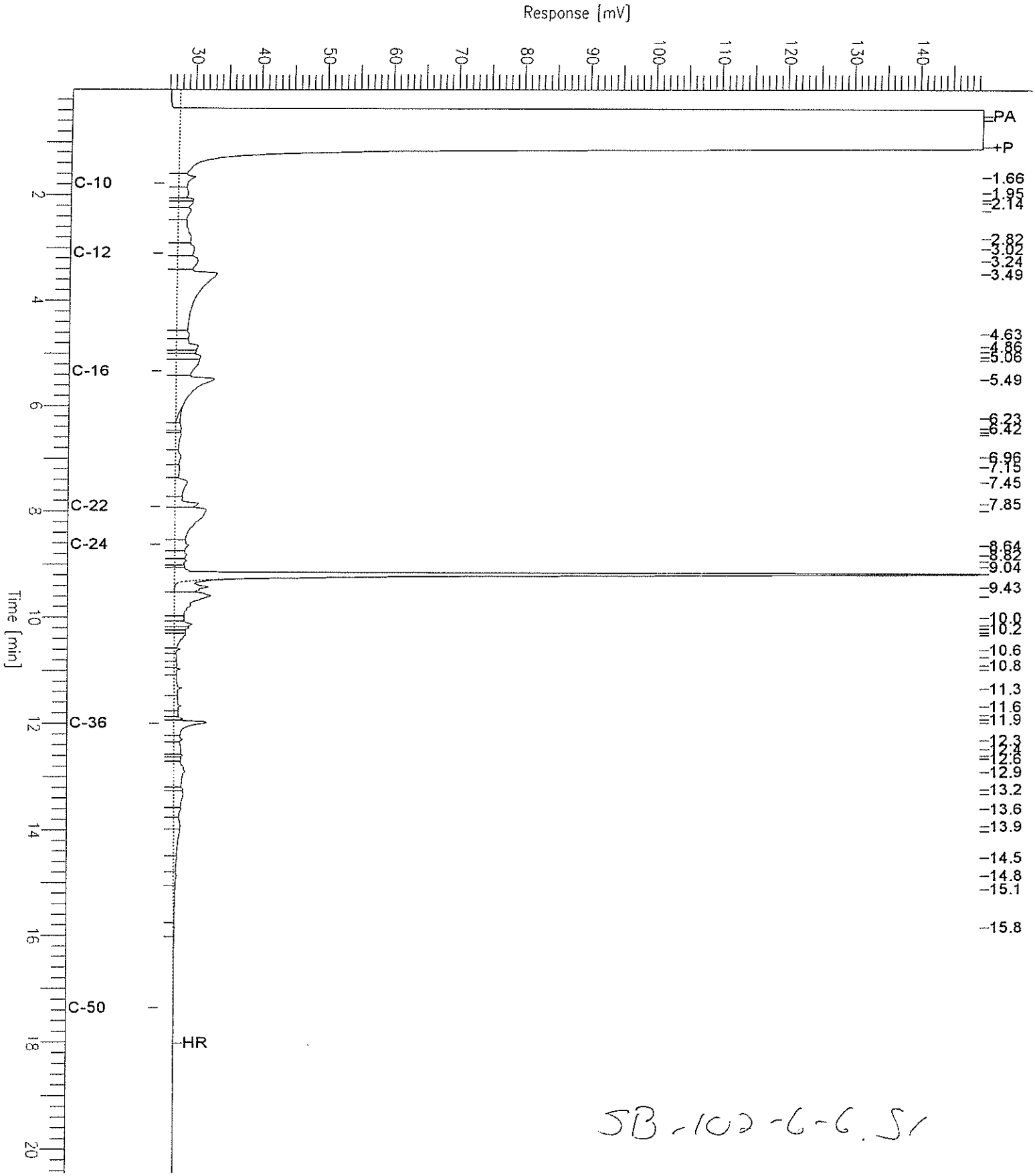


SB-101-25-25.5'

Chromatogram

Sample Name : 178335-008,100342
FileName : G:\GC11\CHA\080A100.RAW
Method : ATEH072S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 25 mV

Sample #: 100342 Page 1 of 1
Date : 3/24/05 09:02 AM
Time of Injection: 3/23/05 08:25 PM
Low Point : 25.30 mV High Point : 149.67 mV
Plot Scale: 124.4 mV

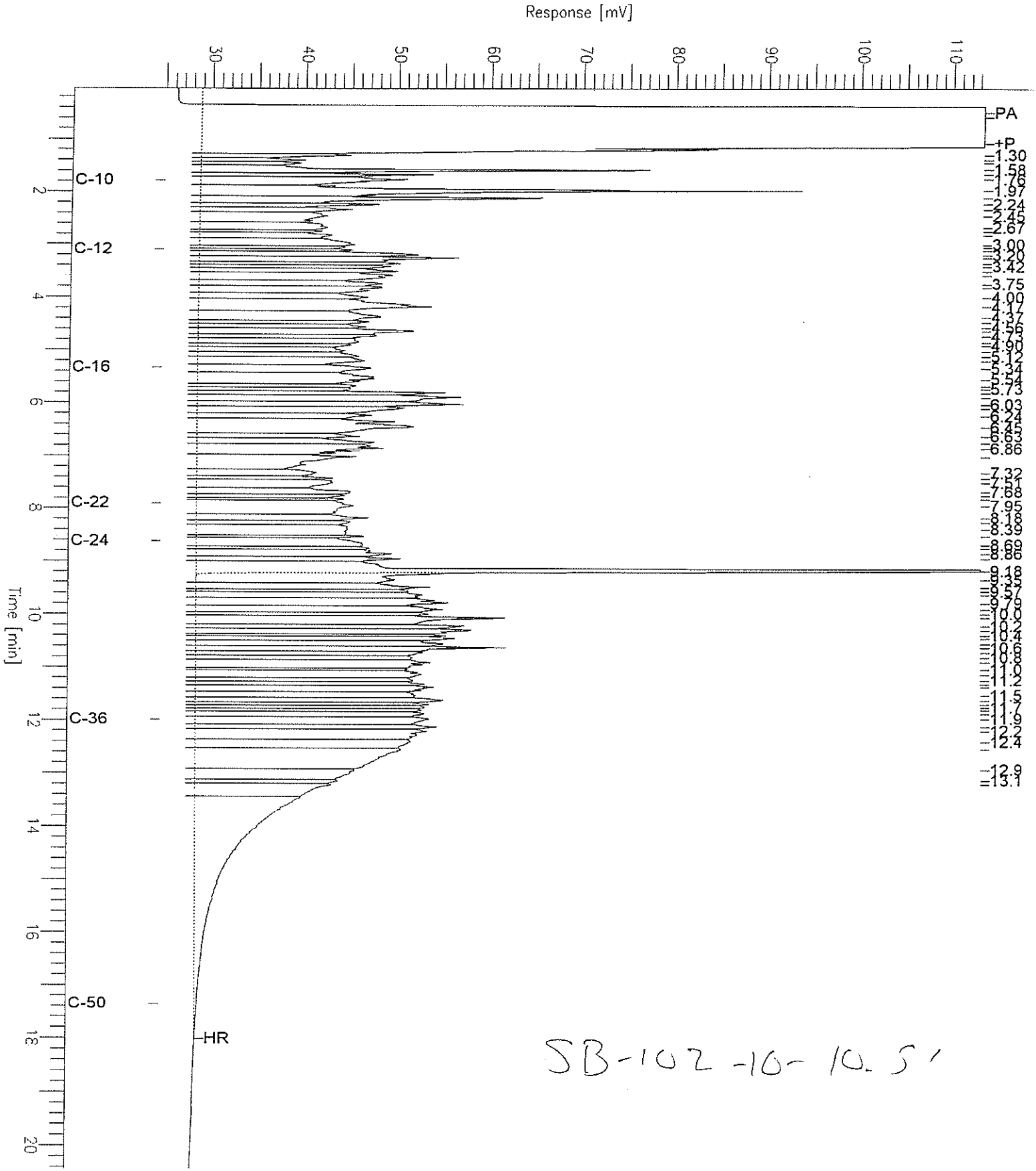


SB-102-6-6.S1

Chromatogram

Sample Name : 178335-009,100342
FileName : G:\GC11\CHA\080A101.RAW
Method : ATEH072S.MTH
Start Time : 0.04 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 25 mV

Sample #: 100342 Page 1 of 1
Date : 3/24/05 09:02 AM
Time of Injection: 3/23/05 08:55 PM
Low Point : 24.95 mV High Point : 113.39 mV
Plot Scale: 88.4 mV



SB-102-10-10.5'

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	03/17/05
Units:	mg/Kg	Received:	03/17/05
Basis:	as received	Prepared:	03/22/05
Diln Fac:	1.000	Analyzed:	03/23/05
Batch#:	100342		

Field ID: SB-102-15.5-16' Lab ID: 178335-011
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	14 L Y	1.0

Surrogate	%REC	Limits
Hexacosane	53	51-136

Field ID: SB-103-3.5-4' Lab ID: 178335-014
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	2.4 Y	0.99

Surrogate	%REC	Limits
Hexacosane	82	51-136

Field ID: SB-103-15-15.5' Lab ID: 178335-016
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	ND	0.99

Surrogate	%REC	Limits
Hexacosane	78	51-136

Field ID: SB-103-17.5-18' Lab ID: 178335-017
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	77 L Y	0.99

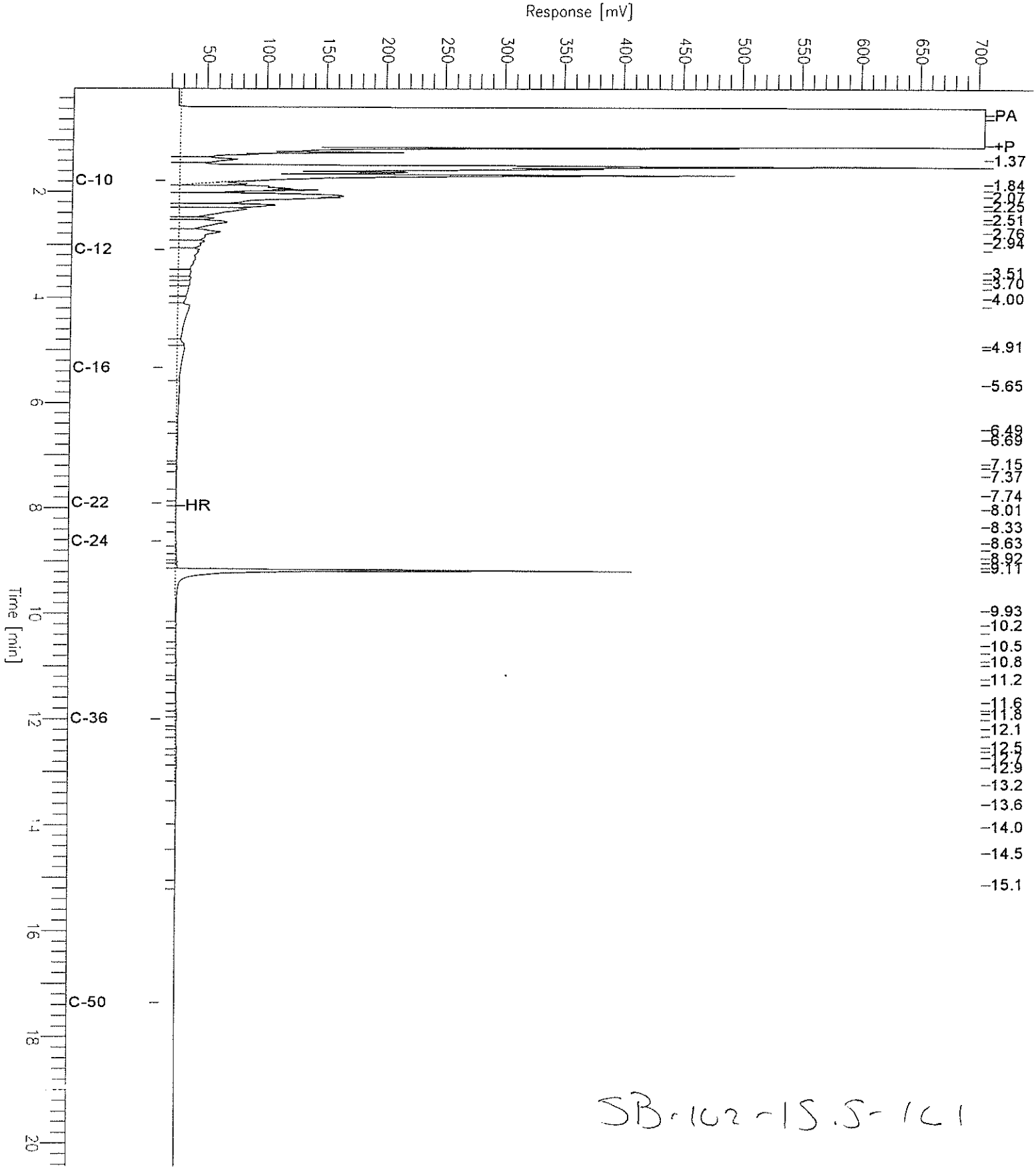
Surrogate	%REC	Limits
Hexacosane	73	51-136

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Chromatogram

Sample Name : 178335-011,100342
FileName : G:\GC11\CHA\080A102.RAW
Method : ATEH072S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 16 mV

Sample #: 100342 Page 1 of 1
Date : 3/24/05 09:03 AM
Time of Injection: 3/23/05 09:25 PM
Low Point : 15.60 mV High Point : 705.50 mV
Plot Scale: 689.9 mV

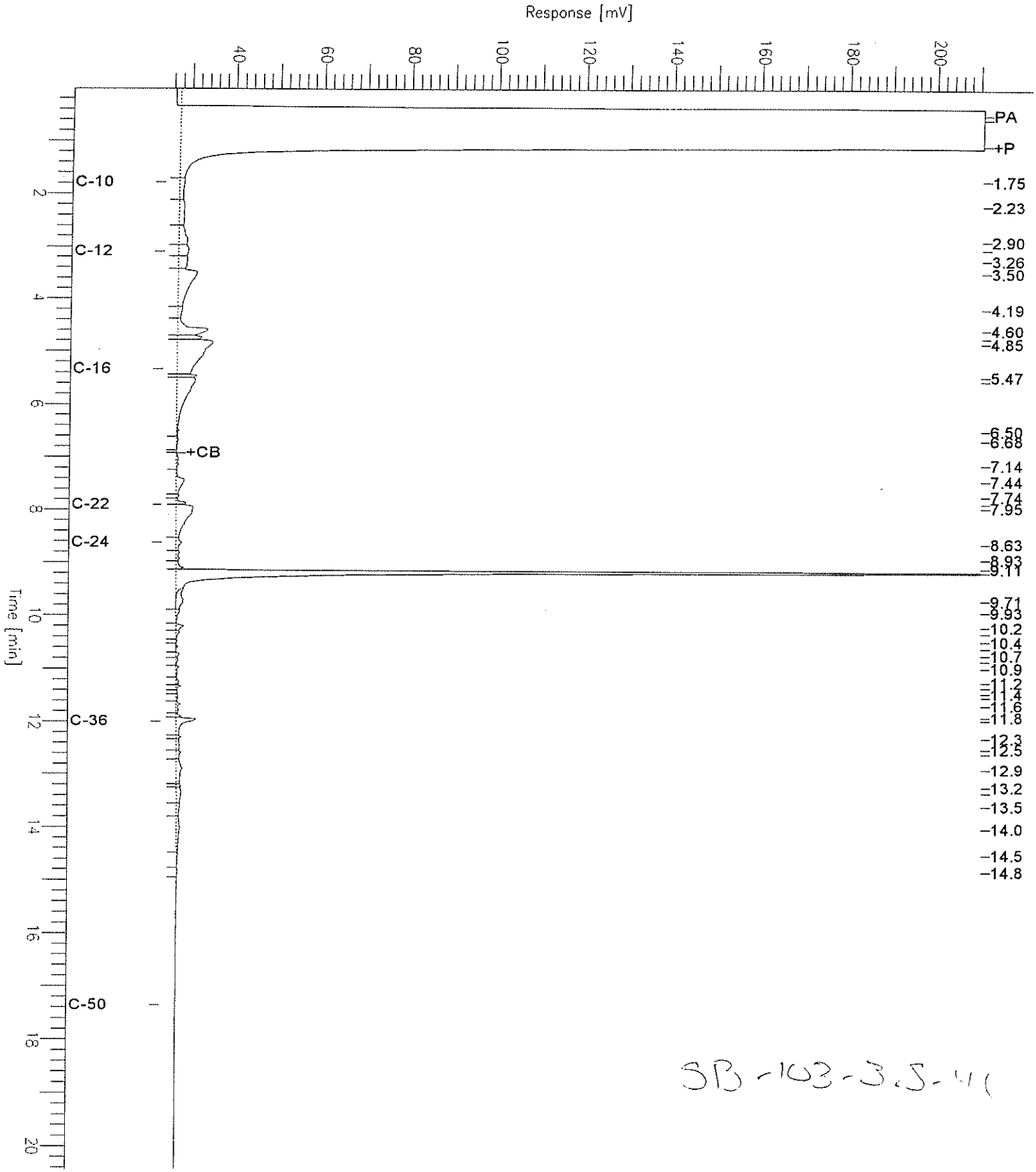


SB-102-15.5-101

Chromatogram

Sample Name : 178335-014,100342
FileName : G:\GC11\CHA\080A103.RAW
Method : ATEH072S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 24 mV

Sample #: 100342 Page 1 of 1
Date : 3/24/05 09:03 AM
Time of Injection: 3/23/05 09:54 PM
Low Point : 24.09 mV High Point : 210.78 mV
Plot Scale: 186.7 mV

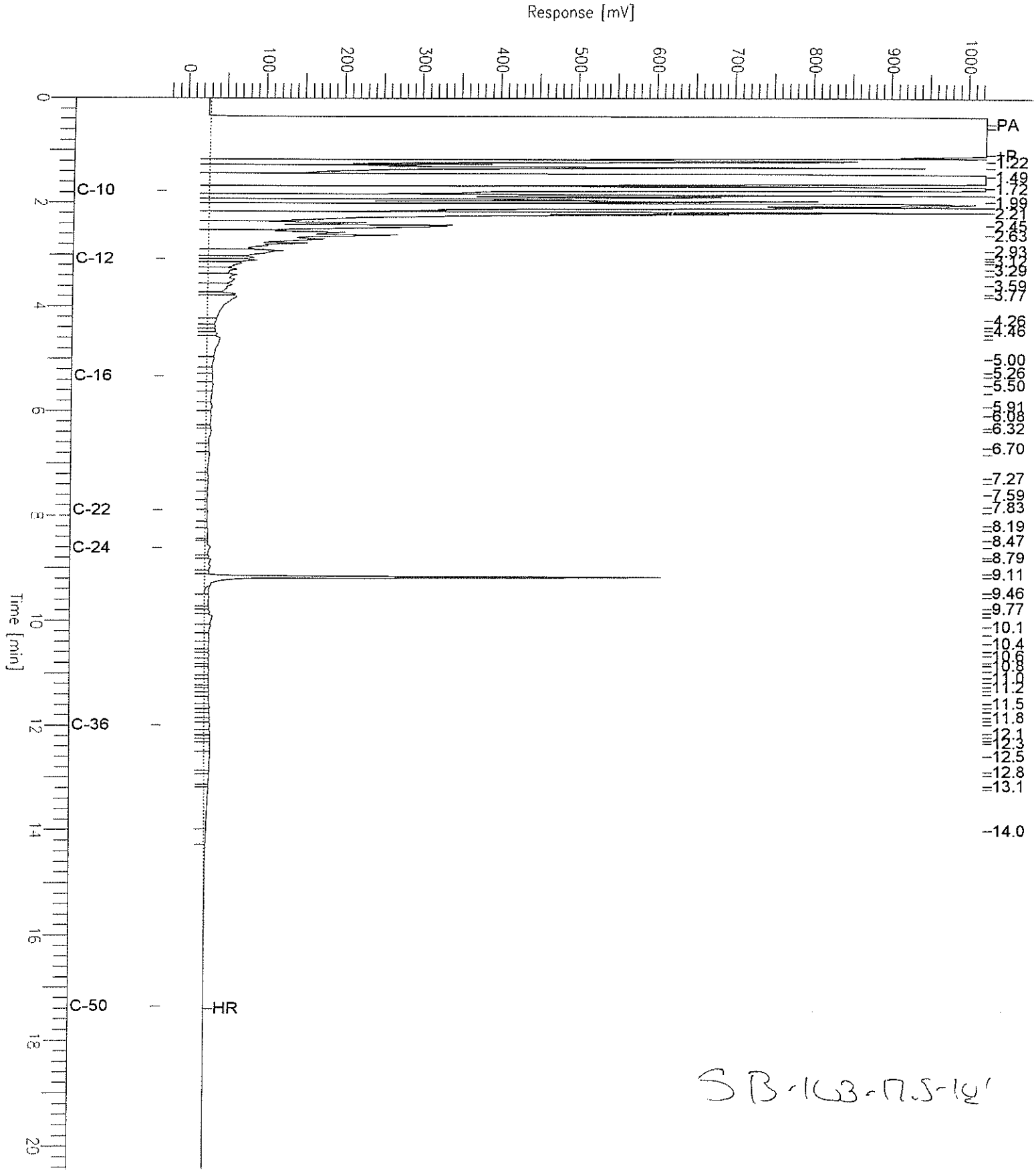


SB-103-3.5-4(

Chromatogram

Sample Name : 178335-017,100342
FileName : G:\GC11\CHA\080A105.RAW
Method : ATEH072S.MTH
Start Time : 0.00 min End Time : 20.46 min
Scale Factor: 0.0 Plot Offset: -26 mV

Sample #: 100342 Page 1 of 1
Date : 3/24/05 09:04 AM
Time of Injection: 3/23/05 10:53 PM
Low Point : -26.28 mV High Point : 1024.00 mV
Plot Scale: 1050.3 mV

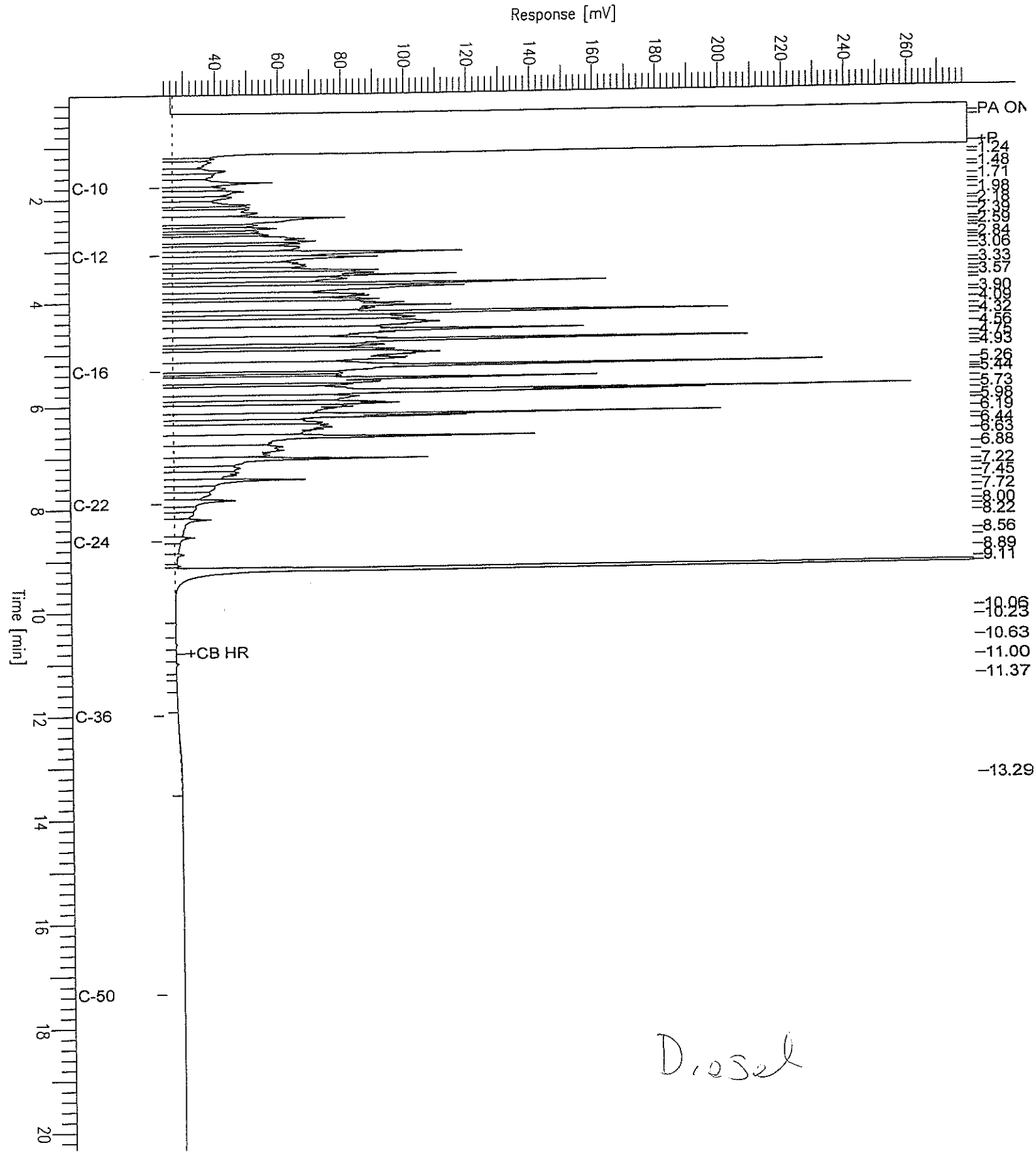


SB-163-17.5-19'

Chromatogram

ample Name : ccv,S72,dsl
ileName : G:\GC11\CHA\080A006.RAW
ethod : ATEH072S.MTH
tart Time : 0.01 min End Time : 20.45 min
cale Factor: 0.0 Plot Offset: 23 mV

Sample #: 500mg/L Page 1 of 1
Date : 3/21/05 03:44 PM
Time of Injection: 3/21/05 03:09 PM
Low Point : 22.64 mV High Point : 279.59 mV
Plot Scale: 257.0 mV



Diesel

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09171.01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	03/17/05
Units:	mg/Kg	Received:	03/17/05
Basis:	as received	Prepared:	03/22/05
Diln Fac:	1.000	Analyzed:	03/23/05
Batch#:	100342		

Type: BLANK Lab ID: QC287143

Analyte	Result	RL
Diesel C10-C24	ND	0.99

Surrogate	%REC	Limits
Hexacosane	92	51-136

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09171.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC287144	Batch#:	100342
Matrix:	Soil	Prepared:	03/22/05
Units:	mg/Kg	Analyzed:	03/23/05
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.93	52.64	105	52-137

Surrogate	%REC	Limits
Hexacosane	87	51-136

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09171.01	Analysis:	EPA 8015B
Field ID:	SB-101-15-15.5'	Batch#:	100342
MSS Lab ID:	178335-003	Sampled:	03/17/05
Matrix:	Soil	Received:	03/17/05
Units:	mg/Kg	Prepared:	03/22/05
Basis:	as received	Analyzed:	03/23/05
Diln Fac:	1.000		

Type: MS Lab ID: QC287145

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	7.936	49.99	33.10	50	11-169

Surrogate	%REC	Limits
Hexacosane	56	51-136

Type: MSD Lab ID: QC287146

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.53	48.06	81	11-169	38	49

Surrogate	%REC	Limits
Hexacosane	80	51-136

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-101-28'	Batch#:	100283
Lab ID:	178335-006	Sampled:	03/17/05
Matrix:	Water	Received:	03/17/05
Units:	ug/L	Analyzed:	03/21/05
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.50
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120
1,2-Dichloroethane-d4	117	80-122
Toluene-d8	102	80-120
Bromofluorobenzene	105	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-102-12'	Batch#:	100283
Lab ID:	178335-010	Sampled:	03/17/05
Matrix:	Water	Received:	03/17/05
Units:	ug/L	Analyzed:	03/21/05
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.50
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
1,2-Dichloroethane	3.9	0.50
Benzene	2.6	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
Toluene	1.7	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	1.0	0.50
m,p-Xylenes	1.9	0.50
o-Xylene	0.62	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	113	80-122
Toluene-d8	102	80-120
Bromofluorobenzene	103	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-102-16'	Batch#:	100328
Lab ID:	178335-012	Sampled:	03/17/05
Matrix:	Water	Received:	03/17/05
Units:	ug/L	Analyzed:	03/22/05
Diln Fac:	200.0		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	2,000
MTBE	ND	100
Isopropyl Ether (DIPE)	ND	100
Ethyl tert-Butyl Ether (ETBE)	ND	100
1,2-Dichloroethane	1,200	100
Benzene	14,000	100
Methyl tert-Amyl Ether (TAME)	ND	100
Toluene	14,000	100
1,2-Dibromoethane	360	100
Ethylbenzene	4,200	100
m,p-Xylenes	12,000	100
o-Xylene	5,000	100

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	120	80-122
Toluene-d8	101	80-120
Bromofluorobenzene	102	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-102-24'	Batch#:	100328
Lab ID:	178335-013	Sampled:	03/17/05
Matrix:	Water	Received:	03/17/05
Units:	ug/L	Analyzed:	03/22/05
Diln Fac:	125.0		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	1,300
MTBE	ND	63
Isopropyl Ether (DIPE)	ND	63
Ethyl tert-Butyl Ether (ETBE)	ND	63
1,2-Dichloroethane	190	63
Benzene	6,400	63
Methyl tert-Amyl Ether (TAME)	ND	63
Toluene	10,000	63
1,2-Dibromoethane	ND	63
Ethylbenzene	2,800	63
m,p-Xylenes	11,000	63
o-Xylene	3,700	63

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-120
1,2-Dichloroethane-d4	114	80-122
Toluene-d8	100	80-120
Bromofluorobenzene	104	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-103-14'	Batch#:	100283
Lab ID:	178335-015	Sampled:	03/17/05
Matrix:	Water	Received:	03/17/05
Units:	ug/L	Analyzed:	03/21/05
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.50
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
1,2-Dichloroethane	1.3	0.50
Benzene	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-120
1,2-Dichloroethane-d4	106	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	102	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-103-18'	Batch#:	100328
Lab ID:	178335-018	Sampled:	03/17/05
Matrix:	Water	Received:	03/17/05
Units:	ug/L	Analyzed:	03/22/05
Diln Fac:	125.0		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	1,300
MTBE	ND	63
Isopropyl Ether (DIPE)	ND	63
Ethyl tert-Butyl Ether (ETBE)	ND	63
1,2-Dichloroethane	ND	63
Benzene	3,000	63
Methyl tert-Amyl Ether (TAME)	ND	63
Toluene	9,100	63
1,2-Dibromoethane	ND	63
Ethylbenzene	5,500	63
m,p-Xylenes	17,000	63
o-Xylene	5,600	63

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	110	80-122
Toluene-d8	101	80-120
Bromofluorobenzene	97	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-103-26'	Units:	ug/L
Lab ID:	178335-019	Sampled:	03/17/05
Matrix:	Water	Received:	03/17/05

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
tert-Butyl Alcohol (TBA)	ND	33	3.333	100328	03/22/05
MTBE	ND	1.7	3.333	100328	03/22/05
Isopropyl Ether (DIPE)	ND	1.7	3.333	100328	03/22/05
Ethyl tert-Butyl Ether (ETBE)	ND	1.7	3.333	100328	03/22/05
1,2-Dichloroethane	ND	1.7	3.333	100328	03/22/05
Benzene	30	1.7	3.333	100328	03/22/05
Methyl tert-Amyl Ether (TAME)	ND	1.7	3.333	100328	03/22/05
Toluene	60	1.7	3.333	100328	03/22/05
1,2-Dibromoethane	ND	1.7	3.333	100328	03/22/05
Ethylbenzene	480	3.6	7.143	100377	03/23/05
m,p-Xylenes	1,300	3.6	7.143	100377	03/23/05
o-Xylene	33	1.7	3.333	100328	03/22/05

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	97	80-120	3.333	100328	03/22/05
1,2-Dichloroethane-d4	104	80-122	3.333	100328	03/22/05
Toluene-d8	100	80-120	3.333	100328	03/22/05
Bromofluorobenzene	96	80-124	3.333	100328	03/22/05

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC286875	Batch#:	100283
Matrix:	Water	Analyzed:	03/21/05
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.50
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-120
1,2-Dichloroethane-d4	101	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC287084	Batch#:	100328
Matrix:	Water	Analyzed:	03/22/05
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.50
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	111	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	104	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC287284	Batch#:	100377
Matrix:	Water	Analyzed:	03/23/05
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.50
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	111	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	103	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	100283
Units:	ug/L	Analyzed:	03/21/05
Diln Fac:	1.000		

Type: BS Lab ID: QC286873

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	135.7	109	65-139
MTBE	25.00	22.00	88	72-129
Isopropyl Ether (DIPE)	25.00	24.00	96	76-120
Ethyl tert-Butyl Ether (ETBE)	25.00	24.67	99	80-120
1,2-Dichloroethane	25.00	25.21	101	75-120
Benzene	25.00	24.27	97	80-120
Methyl tert-Amyl Ether (TAME)	25.00	22.19	89	80-120
Toluene	25.00	24.93	100	80-120
1,2-Dibromoethane	25.00	24.54	98	80-120
Ethylbenzene	25.00	25.61	102	80-120
m,p-Xylenes	50.00	52.18	104	80-120
o-Xylene	25.00	26.15	105	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120
1,2-Dichloroethane-d4	104	80-122
Toluene-d8	100	80-120
Bromofluorobenzene	97	80-124

Type: BSD Lab ID: QC286874

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	130.7	105	65-139	4	27
MTBE	25.00	22.20	89	72-129	1	20
Isopropyl Ether (DIPE)	25.00	23.18	93	76-120	3	20
Ethyl tert-Butyl Ether (ETBE)	25.00	24.47	98	80-120	1	20
1,2-Dichloroethane	25.00	24.85	99	75-120	1	20
Benzene	25.00	24.32	97	80-120	0	20
Methyl tert-Amyl Ether (TAME)	25.00	22.08	88	80-120	1	20
Toluene	25.00	25.39	102	80-120	2	20
1,2-Dibromoethane	25.00	25.33	101	80-120	3	20
Ethylbenzene	25.00	25.81	103	80-120	1	20
m,p-Xylenes	50.00	52.19	104	80-120	0	20
o-Xylene	25.00	26.50	106	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-120
1,2-Dichloroethane-d4	102	80-122
Toluene-d8	100	80-120
Bromofluorobenzene	97	80-124

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	100328
Units:	ug/L	Analyzed:	03/22/05
Diln Fac:	1.000		

Type: BS Lab ID: QC287081

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	132.3	106	65-139
MTBE	25.00	20.84	83	72-129
Isopropyl Ether (DIPE)	25.00	22.15	89	76-120
Ethyl tert-Butyl Ether (ETBE)	25.00	23.28	93	80-120
1,2-Dichloroethane	25.00	24.28	97	75-120
Benzene	25.00	23.53	94	80-120
Methyl tert-Amyl Ether (TAME)	25.00	21.32	85	80-120
Toluene	25.00	24.86	99	80-120
1,2-Dibromoethane	25.00	24.76	99	80-120
Ethylbenzene	25.00	24.98	100	80-120
m,p-Xylenes	50.00	51.10	102	80-120
o-Xylene	25.00	25.60	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-120
1,2-Dichloroethane-d4	101	80-122
Toluene-d8	98	80-120
Bromofluorobenzene	95	80-124

Type: BSD Lab ID: QC287082

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	135.8	109	65-139	3	27
MTBE	25.00	20.86	83	72-129	0	20
Isopropyl Ether (DIPE)	25.00	21.29	85	76-120	4	20
Ethyl tert-Butyl Ether (ETBE)	25.00	22.72	91	80-120	2	20
1,2-Dichloroethane	25.00	24.06	96	75-120	1	20
Benzene	25.00	23.47	94	80-120	0	20
Methyl tert-Amyl Ether (TAME)	25.00	21.34	85	80-120	0	20
Toluene	25.00	24.47	98	80-120	2	20
1,2-Dibromoethane	25.00	24.89	100	80-120	1	20
Ethylbenzene	25.00	25.22	101	80-120	1	20
m,p-Xylenes	50.00	51.96	104	80-120	2	20
o-Xylene	25.00	26.15	105	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-120
1,2-Dichloroethane-d4	99	80-122
Toluene-d8	97	80-120
Bromofluorobenzene	94	80-124

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	100377
Units:	ug/L	Analyzed:	03/23/05
Diln Fac:	1.000		

Type: BS Lab ID: QC287282

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	133.2	107	65-139
MTBE	25.00	21.78	87	72-129
Isopropyl Ether (DIPE)	25.00	23.11	92	76-120
Ethyl tert-Butyl Ether (ETBE)	25.00	24.74	99	80-120
1,2-Dichloroethane	25.00	24.85	99	75-120
Benzene	25.00	23.23	93	80-120
Methyl tert-Amyl Ether (TAME)	25.00	21.45	86	80-120
Toluene	25.00	24.38	98	80-120
1,2-Dibromoethane	25.00	23.52	94	80-120
Ethylbenzene	25.00	24.86	99	80-120
m,p-Xylenes	50.00	48.97	98	80-120
o-Xylene	25.00	24.81	99	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120
1,2-Dichloroethane-d4	109	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	97	80-124

Type: BSD Lab ID: QC287283

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	131.7	105	65-139	1	27
MTBE	25.00	22.90	92	72-129	5	20
Isopropyl Ether (DIPE)	25.00	24.00	96	76-120	4	20
Ethyl tert-Butyl Ether (ETBE)	25.00	25.56	102	80-120	3	20
1,2-Dichloroethane	25.00	27.25	109	75-120	9	20
Benzene	25.00	25.49	102	80-120	9	20
Methyl tert-Amyl Ether (TAME)	25.00	23.06	92	80-120	7	20
Toluene	25.00	26.71	107	80-120	9	20
1,2-Dibromoethane	25.00	26.82	107	80-120	13	20
Ethylbenzene	25.00	26.86	107	80-120	8	20
m,p-Xylenes	50.00	54.88	110	80-120	11	20
o-Xylene	25.00	27.66	111	80-120	11	20

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120
1,2-Dichloroethane-d4	106	80-122
Toluene-d8	101	80-120
Bromofluorobenzene	95	80-124

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-101-5-5.5'	Diln Fac:	0.9615
Lab ID:	178335-001	Batch#:	100231
Matrix:	Soil	Sampled:	03/17/05
Units:	ug/Kg	Received:	03/17/05
Basis:	as received	Analyzed:	03/18/05

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	96
MTBE	ND	4.8
Isopropyl Ether (DIPE)	ND	4.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Methyl tert-Amyl Ether (TAME)	ND	4.8
Toluene	ND	4.8
1,2-Dibromoethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	101	78-120
1,2-Dichloroethane-d4	106	80-120
Toluene-d8	102	80-120
Bromofluorobenzene	109	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-101-10-10.5'	Diln Fac:	0.8929
Lab ID:	178335-002	Batch#:	100231
Matrix:	Soil	Sampled:	03/17/05
Units:	ug/Kg	Received:	03/17/05
Basis:	as received	Analyzed:	03/18/05

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	89
MTBE	ND	4.5
Isopropyl Ether (DIPE)	ND	4.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Methyl tert-Amyl Ether (TAME)	ND	4.5
Toluene	ND	4.5
1,2-Dibromoethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	103	78-120
1,2-Dichloroethane-d4	107	80-120
Toluene-d8	101	80-120
Bromofluorobenzene	109	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-101-15-15.5'	Diln Fac:	0.9091
Lab ID:	178335-003	Batch#:	100231
Matrix:	Soil	Sampled:	03/17/05
Units:	ug/Kg	Received:	03/17/05
Basis:	as received	Analyzed:	03/18/05

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	91
MTBE	ND	4.5
Isopropyl Ether (DIPE)	ND	4.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Methyl tert-Amyl Ether (TAME)	ND	4.5
Toluene	ND	4.5
1,2-Dibromoethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	78-120
1,2-Dichloroethane-d4	114	80-120
Toluene-d8	105	80-120
Bromofluorobenzene	115	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-101-20-20.5'	Diln Fac:	0.9615
Lab ID:	178335-004	Batch#:	100231
Matrix:	Soil	Sampled:	03/17/05
Units:	ug/Kg	Received:	03/17/05
Basis:	as received	Analyzed:	03/18/05

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	96
MTBE	ND	4.8
Isopropyl Ether (DIPE)	ND	4.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Methyl tert-Amyl Ether (TAME)	ND	4.8
Toluene	ND	4.8
1,2-Dibromoethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	102	78-120
1,2-Dichloroethane-d4	114	80-120
Toluene-d8	104	80-120
Bromofluorobenzene	115	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-101-25-25.5'	Diln Fac:	0.9615
Lab ID:	178335-005	Batch#:	100231
Matrix:	Soil	Sampled:	03/17/05
Units:	ug/Kg	Received:	03/17/05
Basis:	as received	Analyzed:	03/18/05

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	96
MTBE	ND	4.8
Isopropyl Ether (DIPE)	ND	4.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Methyl tert-Amyl Ether (TAME)	ND	4.8
Toluene	ND	4.8
1,2-Dibromoethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	103	78-120
1,2-Dichloroethane-d4	117	80-120
Toluene-d8	102	80-120
Bromofluorobenzene	117	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-101-34'	Diln Fac:	0.9091
Lab ID:	178335-007	Batch#:	100231
Matrix:	Soil	Sampled:	03/17/05
Units:	ug/Kg	Received:	03/17/05
Basis:	as received	Analyzed.	03/18/05

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	91
MTBE	ND	4.5
Isopropyl Ether (DIPE)	ND	4.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Methyl tert-Amyl Ether (TAME)	ND	4.5
Toluene	ND	4.5
1,2-Dibromoethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	105	78-120
1,2-Dichloroethane-d4	118	80-120
Toluene-d8	99	80-120
Bromofluorobenzene	116	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-102-6-6.5'	Diln Fac:	0.9804
Lab ID:	178335-008	Batch#:	100287
Matrix:	Soil	Sampled:	03/17/05
Units:	ug/Kg	Received:	03/17/05
Basis:	as received	Analyzed:	03/21/05

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	98
MTBE	ND	4.9
Isopropyl Ether (DIPE)	ND	4.9
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
1,2-Dichloroethane	6.3	4.9
Benzene	ND	4.9
Methyl tert-Amyl Ether (TAME)	ND	4.9
Toluene	ND	4.9
1,2-Dibromoethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	100	78-120
1,2-Dichloroethane-d4	109	80-120
Toluene-d8	100	80-120
Bromofluorobenzene	109	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-102-10-10.5'	Diln Fac:	1.000
Lab ID:	178335-009	Batch#:	100231
Matrix:	Soil	Sampled:	03/17/05
Units:	ug/Kg	Received:	03/17/05
Basis:	as received	Analyzed:	03/18/05

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	85	78-120
1,2-Dichloroethane-d4	81	80-120
Toluene-d8	97	80-120
Bromofluorobenzene	97	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-102-15.5-16'	Diln Fac:	166.7
Lab ID:	178335-011	Batch#:	100338
Matrix:	Soil	Sampled:	03/17/05
Units:	ug/Kg	Received:	03/17/05
Basis:	as received	Analyzed:	03/22/05

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	17,000
MTBE	ND	830
Isopropyl Ether (DIPE)	ND	830
Ethyl tert-Butyl Ether (ETBE)	ND	830
1,2-Dichloroethane	ND	830
Benzene	ND	830
Methyl tert-Amyl Ether (TAME)	ND	830
Toluene	5,100	830
1,2-Dibromoethane	ND	830
Ethylbenzene	7,600	830
m,p-Xylenes	25,000	830
o-Xylene	9,400	830

Surrogate	%REC	Limits
Dibromofluoromethane	90	78-120
1,2-Dichloroethane-d4	101	80-120
Toluene-d8	100	80-120
Bromofluorobenzene	101	80-120
Trifluorotoluene	93	52-135

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-103-3.5-4'	Diln Fac:	0.8929
Lab ID:	178335-014	Batch#:	100224
Matrix:	Soil	Sampled:	03/17/05
Units:	ug/Kg	Received:	03/17/05
Basis:	as received	Analyzed:	03/18/05

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	89
MTBE	ND	4.5
Isopropyl Ether (DIPE)	ND	4.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Methyl tert-Amyl Ether (TAME)	ND	4.5
Toluene	ND	4.5
1,2-Dibromoethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	107	78-120
1,2-Dichloroethane-d4	113	80-120
Toluene-d8	105	80-120
Bromofluorobenzene	112	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-103-15-15.5'	Diln Fac:	0.9091
Lab ID:	178335-016	Batch#:	100224
Matrix:	Soil	Sampled:	03/17/05
Units:	ug/Kg	Received:	03/17/05
Basis:	as received	Analyzed:	03/18/05

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	91
MTBE	ND	4.5
Isopropyl Ether (DIPE)	ND	4.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Methyl tert-Amyl Ether (TAME)	ND	4.5
Toluene	ND	4.5
1,2-Dibromoethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	110	78-120
1,2-Dichloroethane-d4	113	80-120
Toluene-d8	104	80-120
Bromofluorobenzene	110	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-103-17.5-18'	Basis:	as received
Lab ID:	178335-017	Sampled:	03/17/05
Matrix:	Soil	Received:	03/17/05
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
tert-Butyl Alcohol (TBA)	ND	500	5.000	100224	03/18/05
MTBE	ND	25	5.000	100224	03/18/05
Isopropyl Ether (DIPE)	ND	25	5.000	100224	03/18/05
Ethyl tert-Butyl Ether (ETBE)	ND	25	5.000	100224	03/18/05
1,2-Dichloroethane	ND	25	5.000	100224	03/18/05
Benzene	130	25	5.000	100224	03/18/05
Methyl tert-Amyl Ether (TAME)	ND	25	5.000	100224	03/18/05
Toluene	ND	130	25.00	100338	03/22/05
1,2-Dibromoethane	ND	25	5.000	100224	03/18/05
Ethylbenzene	370	130	25.00	100338	03/22/05
m,p-Xylenes	770	130	25.00	100338	03/22/05
o-Xylene	180	130	25.00	100338	03/22/05

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	82	78-120	5.000	100224	03/18/05
1,2-Dichloroethane-d4	80	80-120	5.000	100224	03/18/05
Toluene-d8	91	80-120	5.000	100224	03/18/05
Bromofluorobenzene	99	80-120	5.000	100224	03/18/05

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates			
Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC286638	Diln Fac:	1.000
Matrix:	Soil	Batch#:	100224
Units:	ug/Kg	Analyzed:	03/18/05

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	105	78-120
1,2-Dichloroethane-d4	108	80-120
Toluene-d8	102	80-120
Bromofluorobenzene	109	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC286666	Diln Fac:	1.000
Matrix:	Soil	Batch#:	100231
Units:	ug/Kg	Analyzed.	03/18/05

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	92	78-120
1,2-Dichloroethane-d4	94	80-120
Toluene-d8	100	80-120
Bromofluorobenzene	102	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC286891	Diln Fac:	1.000
Matrix:	Soil	Batch#:	100287
Units:	ug/Kg	Analyzed:	03/21/05

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	97	78-120
1,2-Dichloroethane-d4	103	80-120
Toluene-d8	98	80-120
Bromofluorobenzene	112	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC287126	Diln Fac:	1.000
Matrix:	Soil	Batch#:	100338
Units:	ug/Kg	Analyzed:	03/22/05

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	93	78-120
1,2-Dichloroethane-d4	94	80-120
Toluene-d8	98	80-120
Bromofluorobenzene	111	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC286637	Diln Fac:	1.000
Matrix:	Soil	Batch#:	100224
Units:	ug/Kg	Analyzed:	03/18/05

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	250.0	290.2	116	65-136
MTBE	50.00	46.15	92	76-128
Isopropyl Ether (DIPE)	50.00	52.16	104	75-122
Ethyl tert-Butyl Ether (ETBE)	50.00	52.80	106	75-120
1,2-Dichloroethane	50.00	45.24	90	75-120
Benzene	50.00	46.51	93	80-120
Methyl tert-Amyl Ether (TAME)	50.00	44.83	90	75-120
Toluene	50.00	45.24	90	80-120
1,2-Dibromoethane	50.00	43.07	86	80-120
Ethylbenzene	50.00	46.29	93	80-120
m,p-Xylenes	100.0	91.84	92	80-120
o-Xylene	50.00	45.83	92	79-120

Surrogate	%REC	Limits
Dibromofluoromethane	101	78-120
1,2-Dichloroethane-d4	104	80-120
Toluene-d8	101	80-120
Bromofluorobenzene	97	80-120

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.9615
MSS Lab ID:	178334-004	Batch#:	100224
Matrix:	Soil	Sampled:	03/16/05
Units:	ug/Kg	Received:	03/17/05
Basis:	as received	Analyzed:	03/18/05

Type: MS Lab ID: QC286695

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<6.479	240.4	253.3	105	51-131
MTBE	<0.4630	48.08	38.58	80	69-122
Isopropyl Ether (DIPE)	<0.5569	48.08	38.44	80	72-120
Ethyl tert-Butyl Ether (ETBE)	<0.5003	48.08	41.68	87	74-120
1,2-Dichloroethane	<0.4063	48.08	40.29	84	64-120
Benzene	<0.3513	48.08	39.42	82	70-120
Methyl tert-Amyl Ether (TAME)	<0.6727	48.08	37.40	78	76-120
Toluene	<0.4335	48.08	40.32	84	64-120
1,2-Dibromoethane	<0.4810	48.08	39.52	82	64-120
Ethylbenzene	<0.4549	48.08	39.24	82	61-120
m,p-Xylenes	<1.211	96.15	78.25	81	59-120
o-Xylene	<0.6374	48.08	39.33	82	58-120

Surrogate	%REC	Limits
Dibromofluoromethane	96	78-120
1,2-Dichloroethane-d4	104	80-120
Toluene-d8	96	80-120
Bromofluorobenzene	98	80-120

Type: MSD Lab ID: QC286696

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	240.4	257.3	107	51-131	2	33
MTBE	48.08	40.38	84	69-122	5	20
Isopropyl Ether (DIPE)	48.08	41.05	85	72-120	7	21
Ethyl tert-Butyl Ether (ETBE)	48.08	44.55	93	74-120	7	20
1,2-Dichloroethane	48.08	40.55	84	64-120	1	20
Benzene	48.08	39.67	83	70-120	1	20
Methyl tert-Amyl Ether (TAME)	48.08	40.39	84	76-120	8	20
Toluene	48.08	41.48	86	64-120	3	20
1,2-Dibromoethane	48.08	40.38	84	64-120	2	20
Ethylbenzene	48.08	39.84	83	61-120	2	20
m,p-Xylenes	96.15	80.29	83	59-120	3	20
o-Xylene	48.08	40.17	84	58-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	92	78-120
1,2-Dichloroethane-d4	103	80-120
Toluene-d8	100	80-120
Bromofluorobenzene	99	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC286665	Diln Fac:	1.000
Matrix:	Soil	Batch#:	100231
Units:	ug/Kg	Analyzed:	03/18/05

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	250.0	209.4	84	65-136
MTBE	50.00	39.79	80	76-128
Isopropyl Ether (DIPE)	50.00	42.25	85	75-122
Ethyl tert-Butyl Ether (ETBE)	50.00	43.84	88	75-120
1,2-Dichloroethane	50.00	41.19	82	75-120
Benzene	50.00	44.67	89	80-120
Methyl tert-Amyl Ether (TAME)	50.00	41.01	82	75-120
Toluene	50.00	48.64	97	80-120
1,2-Dibromoethane	50.00	45.55	91	80-120
Ethylbenzene	50.00	49.36	99	80-120
m,p-Xylenes	100.0	99.48	99	80-120
o-Xylene	50.00	50.57	101	79-120

Surrogate	%REC	Limits
Dibromofluoromethane	90	78-120
1,2-Dichloroethane-d4	89	80-120
Toluene-d8	101	80-120
Bromofluorobenzene	104	80-120

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-101-15-15.5'	Diln Fac:	0.9091
MSS Lab ID:	178335-003	Batch#:	100231
Matrix:	Soil	Sampled:	03/17/05
Units:	ug/Kg	Received:	03/17/05
Basis:	as received	Analyzed:	03/18/05

Type: MS Lab ID: QC286720

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<11.68	227.3	182.4	80	51-131
MTBE	<0.3914	45.45	31.11	68 *	69-122
Isopropyl Ether (DIPE)	<0.4346	45.45	31.79	70 *	72-120
Ethyl tert-Butyl Ether (ETBE)	<0.1787	45.45	34.24	75	74-120
1,2-Dichloroethane	<0.4615	45.45	29.68	65	64-120
Benzene	<0.5241	45.45	36.36	80	70-120
Methyl tert-Amyl Ether (TAME)	<0.4386	45.45	33.04	73 *	76-120
Toluene	<0.4277	45.45	37.76	83	64-120
1,2-Dibromoethane	<0.3832	45.45	36.75	81	64-120
Ethylbenzene	<0.3775	45.45	36.40	80	61-120
m,p-Xylenes	<1.078	90.91	75.78	83	59-120
o-Xylene	<0.2998	45.45	38.54	85	58-120

Surrogate	%REC	Limits
Dibromofluoromethane	88	78-120
1,2-Dichloroethane-d4	83	80-120
Toluene-d8	96	80-120
Bromofluorobenzene	92	80-120

Type: MSD Lab ID: QC286721

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	227.3	166.2	73	51-131	9	33
MTBE	45.45	31.00	68 *	69-122	0	20
Isopropyl Ether (DIPE)	45.45	32.33	71 *	72-120	2	21
Ethyl tert-Butyl Ether (ETBE)	45.45	34.55	76	74-120	1	20
1,2-Dichloroethane	45.45	30.92	68	64-120	4	20
Benzene	45.45	36.90	81	70-120	1	20
Methyl tert-Amyl Ether (TAME)	45.45	32.72	72 *	76-120	1	20
Toluene	45.45	39.29	86	64-120	4	20
1,2-Dibromoethane	45.45	37.36	82	64-120	2	20
Ethylbenzene	45.45	39.12	86	61-120	7	20
m,p-Xylenes	90.91	78.55	86	59-120	4	20
o-Xylene	45.45	40.33	89	58-120	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	87	78-120
1,2-Dichloroethane-d4	80	80-120
Toluene-d8	96	80-120
Bromofluorobenzene	97	80-120

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

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC286890	Diln Fac:	1.000
Matrix:	Soil	Batch#:	100287
Units:	ug/Kg	Analyzed:	03/21/05

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	250.0	198.4	79	65-136
MTBE	50.00	40.37	81	76-128
Isopropyl Ether (DIPE)	50.00	42.54	85	75-122
Ethyl tert-Butyl Ether (ETBE)	50.00	44.72	89	75-120
1,2-Dichloroethane	50.00	49.38	99	75-120
Benzene	50.00	47.88	96	80-120
Methyl tert-Amyl Ether (TAME)	50.00	41.37	83	75-120
Toluene	50.00	51.48	103	80-120
1,2-Dibromoethane	50.00	48.27	97	80-120
Ethylbenzene	50.00	52.84	106	80-120
m,p-Xylenes	100.0	106.4	106	80-120
o-Xylene	50.00	53.31	107	79-120

Surrogate	%REC	Limits
Dibromofluoromethane	95	78-120
1,2-Dichloroethane-d4	100	80-120
Toluene-d8	102	80-120
Bromofluorobenzene	101	80-120

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-102-6-6.5'	Diln Fac:	1.000
MSS Lab ID:	178335-008	Batch#:	100287
Matrix:	Soil	Sampled:	03/17/05
Units:	ug/Kg	Received:	03/17/05
Basis:	as received	Analyzed:	03/21/05

Type: MS Lab ID: QC286912

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<12.59	250.0	247.0	99	51-131
MTBE	<0.4220	50.00	34.63	69	69-122
Isopropyl Ether (DIPE)	<0.4687	50.00	33.88	68 *	72-120
Ethyl tert-Butyl Ether (ETBE)	<0.1927	50.00	36.68	73 *	74-120
1,2-Dichloroethane	6.329	50.00	39.19	66	64-120
Benzene	<0.5652	50.00	38.19	76	70-120
Methyl tert-Amyl Ether (TAME)	<0.4730	50.00	35.70	71 *	76-120
Toluene	<0.4612	50.00	40.31	81	64-120
1,2-Dibromoethane	<0.4133	50.00	41.09	82	64-120
Ethylbenzene	<0.4071	50.00	41.46	83	61-120
m,p-Xylenes	<1.162	100.0	85.77	86	59-120
o-Xylene	<0.3233	50.00	42.67	85	58-120

Surrogate	%REC	Limits
Dibromofluoromethane	87	78-120
1,2-Dichloroethane-d4	85	80-120
Toluene-d8	97	80-120
Bromofluorobenzene	98	80-120

Type: MSD Lab ID: QC286913

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	250.0	189.5	76	51-131	26	33
MTBE	50.00	29.60	59 *	69-122	16	20
Isopropyl Ether (DIPE)	50.00	30.31	61 *	72-120	11	21
Ethyl tert-Butyl Ether (ETBE)	50.00	32.21	64 *	74-120	13	20
1,2-Dichloroethane	50.00	37.89	63 *	64-120	3	20
Benzene	50.00	38.32	77	70-120	0	20
Methyl tert-Amyl Ether (TAME)	50.00	31.08	62 *	76-120	14	20
Toluene	50.00	41.22	82	64-120	2	20
1,2-Dibromoethane	50.00	39.50	79	64-120	4	20
Ethylbenzene	50.00	40.77	82	61-120	2	20
m,p-Xylenes	100.0	84.03	84	59-120	2	20
o-Xylene	50.00	42.08	84	58-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	87	78-120
1,2-Dichloroethane-d4	86	80-120
Toluene-d8	99	80-120
Bromofluorobenzene	97	80-120

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

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC287125	Diln Fac:	1.000
Matrix:	Soil	Batch#:	100338
Units:	ug/Kg	Analyzed:	03/22/05

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	250.0	230.8 b	92	65-136
MTBE	50.00	39.50	79	76-128
Isopropyl Ether (DIPE)	50.00	39.81	80	75-122
Ethyl tert-Butyl Ether (ETBE)	50.00	43.11	86	75-120
1,2-Dichloroethane	50.00	43.87	88	75-120
Benzene	50.00	43.86	88	80-120
Methyl tert-Amyl Ether (TAME)	50.00	40.13	80	75-120
Toluene	50.00	47.52	95	80-120
1,2-Dibromoethane	50.00	47.35	95	80-120
Ethylbenzene	50.00	47.75	96	80-120
m,p-Xylenes	100.0	95.57	96	80-120
o-Xylene	50.00	47.87	96	79-120

Surrogate	%REC	Limits
Dibromofluoromethane	93	78-120
1,2-Dichloroethane-d4	94	80-120
Toluene-d8	98	80-120
Bromofluorobenzene	103	80-120

b= See narrative

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	178335	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.01	Analysis:	EPA 8260B
Field ID:	SB-A-8'	Dil'n Fac:	0.9434
MSS Lab ID:	178376-016	Batch#:	100338
Matrix:	Soil	Sampled:	03/18/05
Units:	ug/Kg	Received:	03/18/05
Basis:	as received	Analyzed:	03/22/05

Type: MS Lab ID: QC287149

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	12.87	235.8	214.2 b	85	51-131
MTBE	140.5 >LR	47.17	156.2 >LR	33 NM	69-122
Isopropyl Ether (DIPE)	<0.4510	47.17	35.67	76	72-120
Ethyl tert-Butyl Ether (ETBE)	<0.1854	47.17	39.51	84	74-120
1,2-Dichloroethane	<0.4790	47.17	46.85	99	64-120
Benzene	<0.5438	47.17	40.92	87	70-120
Methyl tert-Amyl Ether (TAME)	<0.4551	47.17	38.11	81	76-120
Toluene	<0.4438	47.17	43.82	93	64-120
1,2-Dibromoethane	<0.3977	47.17	45.26	96	64-120
Ethylbenzene	<0.3917	47.17	45.12	96	61-120
m,p-Xylenes	<1.119	94.34	87.78	93	59-120
o-Xylene	<0.3111	47.17	44.82	95	58-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	78-120
1,2-Dichloroethane-d4	114	80-120
Toluene-d8	105	80-120
Bromofluorobenzene	107	80-120

Type: MSD Lab ID: QC287150

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	235.8	204.6 b	81	51-131	5	33
MTBE	47.17	145.2 >LR	10 NM	69-122	NC	20
Isopropyl Ether (DIPE)	47.17	34.37	73	72-120	4	21
Ethyl tert-Butyl Ether (ETBE)	47.17	38.00	81	74-120	4	20
1,2-Dichloroethane	47.17	41.53	88	64-120	12	20
Benzene	47.17	39.13	83	70-120	4	20
Methyl tert-Amyl Ether (TAME)	47.17	35.67	76	76-120	7	20
Toluene	47.17	41.51	88	64-120	5	20
1,2-Dibromoethane	47.17	41.47	88	64-120	9	20
Ethylbenzene	47.17	42.13	89	61-120	7	20
m,p-Xylenes	94.34	82.87	88	59-120	6	20
o-Xylene	47.17	41.34	88	58-120	8	20

Surrogate	%REC	Limits
Dibromofluoromethane	94	78-120
1,2-Dichloroethane-d4	102	80-120
Toluene-d8	103	80-120
Bromofluorobenzene	107	80-120

b= See narrative
NC= Not Calculated
NM= Not Meaningful: Sample concentration > 4X spike concentration
>LR= Response exceeds instrument's linear range
RPD= Relative Percent Difference