Residual Soil Management Plan
Former AAA Equipment Company Site
745 50th Avenue
Oakland, California

001-09173-00
April 27, 2004

Prepared for
Alta Properties, LLC
P.O. Box 2399
Oakland, California 94614

LFR
LEVINE • FRICKE

CONTENTS

1.0 INTRODUCTION

LFR Levine·Fricke (LFR) has prepared this Residual Soil Management Plan ("Plan") on behalf of Alta Properties, LLC ("Alta"). This Plan describes protocols and actions that should be followed for handling, moving, stockpiling, and reusing soil at the former AAA Equipment Company, located at 745 50th Avenue in Oakland, California ("the Site"; Figure 1). This Plan also presents contingency protocols to be followed when underground structures and/or affected or potentially affected soil are encountered at the Site.

2.0 BACKGROUND

The Site is approximately 2.5 acres in size and is located approximately 0.5 mile from San Leandro Bay, which is part of San Francisco Bay (Figure 1). The depth to groundwater at the Site is approximately 8 feet below ground surface (bgs) and groundwater generally flows southwest toward the bay. The Site was reportedly occupied by AAA Equipment Company beginning in the 1950s and was used as a junkyard to store scrap metal, used machinery, and machine parts (Hageman-Aguiar, Inc. [H-A] 2000). LFR observed underground storage tank (UST) removal and subsequent soil remediation activities that were reported in the "Underground Storage Tank Removal Report, Former AAA Equipment Company Site, 745 50th Avenue, Oakland, California," dated April 27, 2004 (UST Removal Report).

3.0 BACKGROUND SAMPLES

Background samples were collected from the Loaf Pile, Flag Lot, and Alta Site (Figure 2). The soil sample analytical results are presented in the following sections and in Tables 1 through 4. Laboratory analytical data sheets are presented in Appendix A.

3.1 Loaf Pile

On September 2, 2003, LFR collected three four-point composite soil samples at selected locations within the loaf pile (approximately 2,800 cubic yards; Figure 2). The samples were collected from an excavator bucket at four different depths at each sample location and then composited into one sample. The samples were collected in brass liners, capped at each end with Teflon tape and a plastic cap, and labeled. The samples were placed in an ice-chilled cooler and transported to the analytical laboratory under strict chain-of-custody protocol.

The samples were collected to assess whether soil from the loaf pile was suitable to be used as UST excavation backfill material and site grading material or whether the soil should be disposed of at a landfill.

The samples were submitted for chemical analysis of total petroleum hydrocarbons as gasoline (TPHg); benzene, toluene, ethylbenzene, and xylene (BTEX); methyl tertiary-butyl ether (MTBE); total petroleum hydrocarbons as diesel and motor oil (TPHd/mo); volatile organic compounds (VOCs); polychlorinated biphenyls (PCBs); polynuclear aromatics (PNAs); and total metals (Title 22) and selected soluble metals. These analyses are referred to as "the suite of analyses."

Analytical results for these samples showed the following:

- Residual fuel (measured as TPHd/mo) concentrations ranged from 340 milligrams per kilogram (mg/kg) to 3,500 mg/kg.
- TPHg was detected at 1.2 mg/kg. However, the laboratory flagged this compound as being heavier than gasoline, indicating that it was likely related to the asphalt oil.
- BTEX, MTBE, and VOCs were not detected above laboratory analytical detection limits.
- PCB concentrations ranged from 1.1 mg/kg to 6.3 mg/kg. The compounds detected were Aroclor 1254 and 1260.
- PNA concentrations ranged from 0.26 mg/kg to 12 mg/kg.
- Concentrations of Title 22 metals were within background concentrations for native soil within the Bay Area (LBNL et al 2002[1]), except:
  - barium, which was detected at a maximum concentration of 340 mg/kg
  - cadmium, which was detected at a maximum concentration of 6.2 mg/kg
  - copper, which was detected at a maximum concentration of 74 mg/kg
  - lead, which was detected at a maximum concentration of 180 mg/kg
  - mercury, which was detected at a maximum concentration of 0.43 mg/kg
  - zinc, which was detected at a maximum concentration of 510 mg/kg

In addition, soluble lead was detected at a maximum concentration of 11 mg/l using the California Waste Extraction Test.

3.2 Flag Lot

At Alta's request, LFR collected additional background samples at three random locations on the flag lot (Figure 2). The samples were submitted for chemical analysis of the suite of analyses. These samples were collected on September 4, 2003 in conjunction with the UST removal activities and using the same sampling

[1] Lawrence Berkeley National Laboratory (LBNL), University of California, and Parsons Engineering Science, Inc. 2002. Analysis of Background Distributions of Metals in the Soil at Lawrence Berkeley National Laboratory. June.

protocol described in the UST Removal Report. These samples were collected to establish background concentrations in soil prior to the placement of loaf pile soils as fill and grading material for the final grading and surfacing of the Site.

Analytical results for these samples showed the following:

- Residual fuel (measured as TPHd/o concentrations ranged from 77 mg/kg to 1,400 mg/kg.
- TPHg, BTEX, and MTBE were not detected above laboratory analytical detection limits.
- VOCs were not detected above the laboratory analytical detection limits.
- PNAs were detected in the samples at concentrations ranging from 0.27 mg/kg to 1.3 mg/kg.
- PCBs (Aroclor 1254 and 1260) were also detected in the samples at concentrations ranging from 0.1 mg/kg to 0.42 mg/kg.
- Four metals were detected at concentrations above background concentrations for native soil within the Bay Area (LBNL et al 2002):
  - barium (1,000 mg/kg maximum concentration)
  - copper (240 mg/kg maximum concentration)
  - lead (340 mg/kg maximum concentration)
  - zinc (530 mg/kg maximum concentration)

3.3 Alta Site

Background sampling at the Alta Site consisted of random samples collected at three locations (Figure 2). These samples were collected on September 18, 2003 in conjunction with the Site remedial activities and using the same sampling protocol described in the UST Removal Report. Analytical results for these samples showed the following:

- Residual fuel concentrations ranged from 190 mg/kg to 2,000 mg/kg.
- TPHg and BTEX/MTBE were not detected above laboratory analytical detection limits.
- Other than acetone detected at a concentration of 0.021 mg/kg, VOCs were not detected above the laboratory analytical detection limits.
- PNAs were detected in all three of the samples collected. Concentrations ranged from 0.3 mg/kg to 1.1 mg/kg.
- PCBs (Aroclor 1254 and 1260) were also detected in two of the samples collected at concentrations ranging from 2.1 mg/kg to 10 mg/kg.

- One metal (copper) was detected above its respective Environmental Screening Level (ESL) in the three samples analyzed. Copper was detected at 240 mg/kg maximum concentration; the ESL for copper is 230 mg/kg.

The results of this sampling program should be combined with the other characterization soil samples collected at the Site as described in the UST Removal Report when evaluating the properties of the soil at the Site.

4.0 SOIL MANAGEMENT STRATEGY

During future activities associated with potential redevelopment of the Site, native soil and existing fill material may be handled and moved from one portion of the Site to another. The following sections present the management protocols for handling, moving, stockpiling, and reusing excavated soil during development at the Site. Contingency protocols to be followed when contamination and/or underground structures are identified are also presented.

As described in Section 3.0, the analysis of background samples collected at the Site indicated the presence of residual concentrations of lead-, PCB-, PNA-, and hydrocarbon-affected soil. An objective of this Plan is to minimize the potential for exposure to these compounds by developing a strategy for the management or reuse of soil at the Site.

Many of the potential construction activities at the Site will require limited excavation of soil. Other construction activities may require soil to be removed from the Site. Although off-site disposal of soil is not anticipated, any soil to be disposed of off site should be tested and disposed of at an appropriately licensed landfill following applicable federal and state laws and regulations. In addition, soil at the Site may be classified as hazardous waste, because of the relatively high solubility of lead in the soil. Lead has an ESL of 750 mg/kg; the total threshold limit concentration is 1,000 mg/kg. However, the soluble threshold limit concentration (STLC) for lead for some of the background samples failed the hazardous criteria of 5 mg/l.

Fill material is present in portions of the Site, and may include pieces of metal, construction debris, concrete, rock, glass, wood, bricks, and other debris. It may be necessary to remove soil containing this material, which should also be tested and disposed of in accordance with all applicable laws and regulations.

4.1 Measures to Minimize Dust from Soil Movement and Handling

Soil handling activities can result in the generation of dust. Dust control measures will be implemented during redevelopment of the Site. In general, the most effective dust control measure is to water all active construction areas at least twice per day or as necessary to prevent visible dust plumes from migrating off site. Also, tarpaulins or other effective covers may be used for trucks carrying soils on and off site.

4.2 Reuse of Excavated Soil

Soil that is excavated within the Site may need to be stockpiled before it is reused. There are three potential concerns associated with the stockpiling of soils: dust generation, erosion, and unauthorized access to the stockpiles. The risk management measures that should be implemented to control dust from the stockpiles are described below.

Water will be used to mitigate dust generated during excavation, movement, or stockpiling of soil. Overwatering could result in runoff, and will be avoided. Dust palliatives or other methods of dust control may be used if water proves to be inadequate.

While stockpiles are present on site, dust will be controlled using a cover or an alternative method that provides equivalent protection. If the stockpiles are covered, the cover will consist of anchored plastic sheeting or equivalent cover. The method of covering will be determined based on the anticipated time the stockpiles will be in place, weather conditions, and other practical factors such as the size of the stockpiles.

4.3 Soil for Landscaped Areas

This section applies to landscaped areas that will be accessible for human use. Materials used for landscaped areas will consist of imported materials composed of sand, topsoil, or fill that meets the prevailing commercial standards for use in commercial developments or on-site material (such as native soil) that has been specifically approved for reuse and meets the prevailing commercial standards.

4.4 Contingency Protocols for Identifying Affected Media or Underground Structures

The protocols to be followed in the event that unknown areas of contamination and/or underground structures are identified during site development are described in this section. These protocols will be conducted by the owner, lessee, or other entity, such as a contractor or qualified consultant, designated or certified by the owner or lessee.

Unknown conditions that may trigger contingency monitoring procedures during site development include but are not limited to those listed below. Discovery of any of these conditions could require either alternative or additional measures to protect human health and the environment.

- oily, shiny, or saturated soil or free product in previously undocumented areas
- discovery of a UST
- discovery of debris associated with former wrecking yard activities

- other conditions that vary materially from those documented during previous investigations

If free product is encountered, the areal extent and thickness will be characterized and excavated. The excavated soil will be stockpiled and disposed of off site.

During the course of excavation and construction activities within the Site, it is possible that USTs, sumps, or other underground structures that were not identified during previous site investigations will be discovered. For example, USTs may be identified during grading and site excavation activities by the presence of vent pipes that extend above the ground surface, product distribution piping that leads to the UST, fill pipes, backfill materials, or the UST itself. The following section outlines the measures that govern identification and removal of USTs and appropriate measures for addressing other underground structures identified during development.

Chapter 6.7 of the California Health and Safety Code contains the specific requirements for removing and remediating contamination associated with a leaking UST. The Hazardous Materials Division (HMD) is responsible for local oversight and overseeing the removal of any UST; however, the Regional Water Quality Control Board (RWQCB) maintains responsibility for overseeing environmental investigations and responses arising from releases from any UST at the Site. Accordingly, the RWQCB and the HMD will be notified in the event that a UST or appurtenant piping is discovered during construction and development of the Site.

Environmental investigations and responses required following removal of the UST will be conducted under the direction of the RWQCB and in accordance with the specific provisions delineated in Chapter 6.7 of the California Health and Safety Code.

Other subsurface structures might be identified during grading and site excavation activities, but may not have features that extend above the surface and could be unearthed when construction equipment comes into contact with them.

For other subsurface structures that may have been related to former use and storage of chemicals, such as underground vaults and sumps, the following procedures should be implemented to determine the proper disposition of the encountered structure.

The structure should be inspected to assess whether it contains any indication of chemical residuals or free liquids other than water. The owner's or lessee's designated environmental engineer will make this assessment using field observations. If there is no indication, based on visual observation, odor, or field air monitoring equipment, that chemicals are or were present within the vault or sump, then removal of the structure is not necessary for environmental reasons.

If a sump or vault contains liquids that appear to contain chemicals, based on visual observations, odor, or field air monitoring equipment, then the following steps shall be taken:

- characterize the chemical and determine appropriate response action
- sample potentially chemical-containing liquids for profiling purposes
- properly remove and dispose of liquids under the direction of the owner's or lessee's designated environmental engineer
- notify the RWQCB and/or HMD before the selection of an appropriate response

4.5 Access Control During Construction

The potential for trespassers or visitors to gain access to construction areas and come into direct contact with potentially contaminated soils or groundwater will be controlled through the implementation of the access and perimeter security measures.

5.0 CONSTRUCTION WORKER MANAGEMENT MEASURES

During construction activities, workers that may directly contact the native soil will conduct the work in accordance with California Occupational Safety and Health Administration (Cal/OSHA) training and worker protection rules and regulations. The types of hazards that construction workers or other workers involved in soil disruptive activities are most likely to encounter include the following:

- identifying previously unknown structures or areas of contamination
- having direct contact with fill materials that contain inorganic constituents including lead or petroleum compounds

Cal/OSHA is the state agency that is responsible for monitoring compliance with worker health and safety laws and requirements. Compliance with standard Cal/OSHA regulations, particularly Title 8, Chapter 4, "Division of Industrial Safety," will minimize the potential effects associated with excavation activities, as the intent of these standards is to prepare workers for the types of hazards that are likely to be encountered during such activities. All activities conducted within the Site must be in compliance with current Cal/OSHA rules and regulations, even if not expressly noted in this Plan. Further, all workers involved in subsurface activities must conduct the work in compliance with an environmental health and safety plan (HSP). The HSP will be an additional mechanism that will protect workers engaging in intrusive work. To achieve that goal, the HSP will delineate the specific potential hazards associated with contact with native soils at the Site and will inform workers that the subsurface material may contain lead or petroleum compounds. The HSP will also define the methods to be employed to minimize the hazards associated with such activities.

The minimum health and safety guidelines for all workers engaging in intrusive work at the Site are provided below. Preparation of and compliance with all aspects of the HSP is the responsibility of the individuals engaged in the intrusive activities. HSPs prepared for any construction projects will be kept on site during the project. This Plan

does not require that construction workers working at the Site comply with Cal/OSHA standards for Hazardous Waste Operations and Emergency Response, unless the companies conducting intrusive work at the Site conclude it is required after thoroughly evaluating the residual soil analytical data in relation to the potential exposure to those chemicals necessitated by the type of work being conducted.

6.0 ENVIRONMENTAL HEALTH AND SAFETY GUIDELINES

Although this Plan establishes the minimum requirements for an HSP, the HSP is a stand-alone document developed by the owner's or lessee's designated contractor or qualified environmental consultant before the initiation of any construction activities that would disrupt the soils. It is the responsibility of the individual preparing the HSP to verify that the components of the HSP are consistent with current worker health and safety rules and regulations. All workers, including utility repair workers or other workers who may directly contact soil or groundwater, would perform all activities in accordance with an HSP. Consistent with Cal/OSHA standards, an HSP would not be required for workers such as carpenters, painters, or others who would not be performing activities that disrupt soils.

The HSP will be designed to identify, evaluate, and control safety and health with respect to the chemicals present in the soil and groundwater. The HSP will require that the on-site Health and Safety Officer conduct periodic briefing meetings (tailgate meetings) with construction personnel on the reporting requirements to be undertaken when underground structures are identified. Compliance with all aspects of the HSP is the responsibility of the party conducting the construction activities.

Table 1
Detected TPHd, TPHmo, TPHg, BTEX, and MTBE in Soil
Westside/Alta Building Materials Site
(Former AAA Equipment Company Site)
745 50th Avenue, Oakland, California

Expressed in milligrams per kilogram (mg/kg) unless otherwise noted

Field ID	Date Sampled	TPHd	TPHmo	TPHg	B	T	E	X	MTBE
ESLs Table B		*5,800***		*400*	*0.38*	*9.3*	*13*	*1.5*	*5.6*
Loaf Stockpile/Backfill Material									
SSPL-1	2-Sep-03	**430 H Y**	**1,300**	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.02
SSPL-2	2-Sep-03	**3,500 H Y**	**2,900 L**	< 1.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
SSPL-3	2-Sep-03	**340 H Y**	**950**	**1.2 H Y**	< 0.0052	< 0.0052	< 0.0052	< 0.0052	< 0.02
Soil Background									
Flag-1-0.5	4-Sep-03	**77 H Y**	**430**	< 1.1	< 0.0055	< 0.0055	< 0.0055	< 0.0055	< 0.022
Flag-2-0.5	4-Sep-03	**510 H Y**	**1,400**	< 1.1	< 0.0054	< 0.0054	< 0.0054	< 0.0054	< 0.022
Flag-3-0.5	4-Sep-03	**180 H Y**	**650**	< 1.0	< 0.0052	< 0.0052	< 0.0052	< 0.0052	< 0.021
SSB-1-0.5	18-Sep-03	**190 H Y**	**800**	---	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
SSB-2-0.5	18-Sep-03	**470 H Y**	**2,000**	---	< 0.0048	< 0.0048	< 0.0048	< 0.0048	< 0.0048
SSB-3-1.5	18-Sep-03	**280 H**	**260 L**	---	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

Data entered by VCH. Proofed by LPL. QA/QC by JBP.

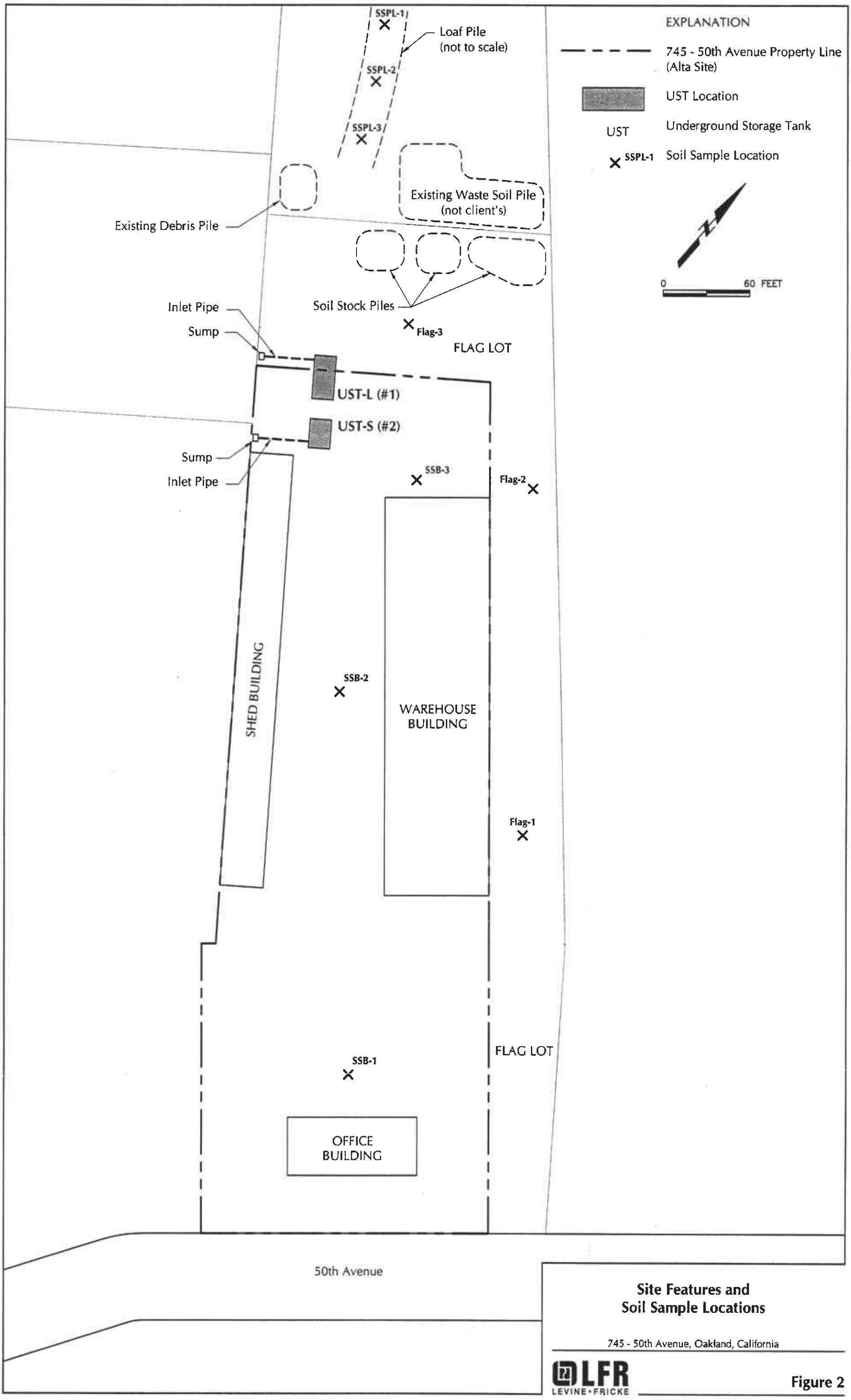
Notes:

Values in **bold** detected above laboratory analytical detection limits.

TPHd = Total petroleum hydrocarbons as diesel; samples analyzed using EPA Method 8015B
TPHmo = Total petroleum hydrocarbons as motor oil; samples analyzed using EPA Method 8015B
TPHg = Total petroleum hydrocarbons as gasoline; samples analyzed using EPA Method 8015B
B = Benzene; samples analyzed using EPA Method 8021B
T = Toluene; samples analyzed using EPA Method 8021B
E = Ethylbenzene; samples analyzed using EPA Method 8021B
X = Total xylenes; samples analyzed using EPA Method 8021B
MTBE = Methyl tertiary-butyl ether; samples analyzed using EPA Method 8021B
ESLs = Environmental Screening Levels

< = Not detected above laboratory analytical detection limits
--- = Not analyzed
** = TPHd/TPHmo as residual fuels, Table B-2

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



Site Features and Soil Sample Locations

745 - 50th Avenue, Oakland, California

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Figure 2

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Table 2
Detected PNAs and PCBs in Soil
Westside/Alta Building Materials Site
(Former AAA Equipment Company Site)
745 50th Avenue, Oakland, California

Expressed in milligrams per kilogram (mg/kg)

Field ID	Date Sampled	PNAs																PCBs (1)	
		Naph-thalene	Ace-naphthyl-ene	Ace-naphth-ene	Fluorene	Phen-anthrene	Anthra-cene	Fluor-anthene	Pyrene	Benzo(a) anthracene	Chrysene	Benzo(b) fluor-anthene	Benzo(k) fluor-anthene	Benzo(a) pyrene	Indeno (1,2,3-cd) pyrene	Dibenzo (a,h) anthracene	Benzo (g,h,i) perylene	Aroclor-1254	Aroclor-1260
ESLs Table B		*4.8*	*13*	*19*	*8.9*	*11*	*2.8*	*40*	*85*	*1.3*	*13*	*1.3*	*1.3*	*0.13*	*1.3*	*0.38*	*27*	*0.74*	*0.74*
Loaf Stockpile/Backfill Material																			
SSPL-1	2-Sep-03	< 0.25	< 0.25	**0.26**	< 0.25	**2**	**0.49**	**3.8**	**5.6**	**2.2**	**2.7**	**1.7**	**1.9**	**1.9**	**0.66**	< 0.25	**0.75**	**1.3**	**1.5**
SSPL-2	2-Sep-03	< 0.5	< 0.5	**1.3**	**1.3**	**11**	**3.4**	**12**	**13**	**5.9**	**6.3**	**4.1**	**4.5**	**4.2**	**1.2**	< 0.5	**1.3**	**3.5**	**6.3**
SSPL-3	2-Sep-03	< 0.25	< 0.25	< 0.25	< 0.25	**0.68**	**0.27**	**1.4**	**2.2**	**0.92**	**1.2**	**1.3**	**1**	**0.99**	**0.37**	< 0.25	**0.51**	**1.3**	**1.1**
Soil Background																			
Flag-1-0.5	4-Sep-03	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**1.3**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.18**	**0.15**
Flag-2-0.5	4-Sep-03	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	**0.93**	< 0.25	**0.31**	**0.79**	**0.28**	**0.4**	< 0.25	< 0.25	**0.27**	**0.1**	**0.19**
Flag-3-0.5	4-Sep-03	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.65**	**0.83**	< 0.5	**0.52**	**1.5**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.29**	**0.42**
SSB-1-0.5	18-Sep-03	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.7**	< 0.5	< 0.5	**1.5**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.24	**10**
SSB-2-0.5	18-Sep-03	< 0.5	< 0.5	< 0.5	< 0.5	**0.83**	< 0.5	**1.3**	**1.9**	**0.71**	**1.1**	**0.55**	**0.83**	**0.83**	< 0.5	< 0.5	< 0.5	< 0.06	**2.1**
SSB-3-1.5	18-Sep-03	< 0.25	< 0.25	< 0.25	< 0.25	**0.3**	< 0.25	< 0.25	**0.4**	< 0.25	**0.3**	**0.74**	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.012	< 0.012

Data entered by VCH. Proofed by LPL. QA/QC by JBP.

Notes:

(1) = See Laboratory Data Sheets Appendix for full list of analytes included in these analyses.

Values in **bold** detected above laboratory analytical detection limits.

PNAs = Polynuclear aromatics; samples analyzed using EPA Method 8270C
PCBs = Polychlorinated biphenyls; samples analyzed using EPA Method 8082
H = Heavier hydrocarbons contributed to the quantitation
Y = Sample exhibits chromatographic pattern which does not resemble standard

ESLs = Environmental Screening Levels

--- = Not analyzed
< = Not detected above laboratory analytical detection limits

Table 3
Detected Metals in Soil
Westside/Alta Building Materials Site
(Former AAA Equipment Company Site)
745 50th Avenue, Oakland, California

Expressed in milligrams per kilogram (mg/kg)

Field ID	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
ESLs Table B		*40*	*5.5*	*1,500*	*8*	*7.4*	*58*	*80*	*230*	*750*	*10*	*40*	*150*	*10*	*40*	*13*	*200*	*600*
Loaf Stockpile/Backfill Material																		
SSPL-1	2-Sep-03	<2.9	4	340	0.16	4.1	21	6.1	51	120	0.39	1	33	0.27	<0.24	4.1	19	290
SSPL-2	2-Sep-03	<2.9	4.4	280	0.18	6.2	28	8.2	74	180	0.43	1.1	47	0.34	0.26	5.8	24	510
SSPL-2	12-Sep-03	---	---	---	---	---	---	---	---	11.0**	---	---	---	---	---	---	---	---
SSPL-3	2-Sep-03	<2.8	5.2	230	0.21	4.9	48	8.5	40	94	0.26	1.1	50	0.31	<0.23	5.7	30	190
Soil Background																		
Flag-1-0.5	4-Sep-03	< 0.29	3.5	380	0.15	< 0.24	14	4.1	24	88	0.34	< 0.96	21	0.53	< 0.24	3.2	16	120
Flag-2-0.5	4-Sep-03	< 0.28	9.8	200	0.21	< 0.23	24	7.8	16	100	0.19	< 0.94	34	0.5	< 0.23	3.3	19	63
Flag-3-0.5	4-Sep-03	< 0.28	3.0	190	0.13	< 0.24	27	6.7	30	59	0.16	< 0.94	40	0.73	< 0.24	3.9	20	110
SSB-1-0.5	18-Sep-03	< 2.4	17	1,000	0.28	1.8	38	8.1	61	340	0.45	1.3	52	< 0.20	0.52	0.59	27	530
SSB-2-0.5	18-Sep-03	< 2.5	5.6	330	0.18	2.2	43	7.2	240	240	0.49	1.7	39	< 0.21	0.26	0.79	24	260
SSB-3-1.5	18-Sep-03	< 2.6	2.4	140	0.29	0.25	26	4.6	12	14	0.079	< 0.86	25	< 0.22	< 0.22	0.23	17	21

Data entered by VCH. Proofed by LPL. QA/QC by JBP.

Notes:

Values in **bold** detected above laboratory analytical detection limits.

--- = Not analyzed

< = Not detected above laboratory analytical detection limits

ESLs = Environmental Screening Levels

Table 4
Detected VOCs in Soil[1]
Westside/Alta Building Materials Site
(Former AAA Equipment Company Site)
745 50th Avenue, Oakland, California
Expressed in milligrams per kilogram (mg/kg) unless otherwise noted

Field ID	Date Sampled	Acetone	Methylene Chloride	2-Butanone	Chloro-benzene	Iso-propyl-benzene	Propyl-benzene	1,3,5-Tri-methyl-benzene	1,2,4-Tri-methyl-benzene	sec-Butyl-benzene	para-Iso-propyl Toluene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	n-Butyl-benzene	1,2-Dichloro-benzene
ESLs Table B		*0.50*	*1.5*	*NV*	*1.5*	*NV*	*NV*	*NV*	*NV*	*NV*	*NV*	*7.4*	*0.13*	*NV*	*1.6*
Loaf Stockpile/Backfill Material															
SSPL-1	09/02/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SSPL-2	09/02/03	< 0.02	< 0.02	< 0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
SSPL-3	09/02/03	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Soil Background															
Flag-1-0.5	09/04/03	< 0.02	< 0.02	< 0.0098	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049
Flag-2-0.5	09/04/03	< 0.018	< 0.018	< 0.0091	< 0.0045	< 0.0045	< 0.0045	< 0.0045	< 0.0045	< 0.0045	< 0.0045	< 0.0045	< 0.0045	< 0.0045	< 0.0045
Flag-3-0.5	09/04/03	< 0.018	< 0.018	< 0.0091	< 0.0045	< 0.0045	< 0.0045	< 0.0045	< 0.0045	< 0.0045	< 0.0045	< 0.0045	< 0.0045	< 0.0045	< 0.0045
SSB-1-0.5	09/18/03	< 0.02	< 0.02	< 0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
SSB-2-0.5	09/18/03	< 0.019	< 0.019	< 0.0096	< 0.0048	< 0.0048	< 0.0048	< 0.0048	< 0.0048	< 0.0048	< 0.0048	< 0.0048	< 0.0048	< 0.0048	< 0.0048
SSB-3-1.5	09/18/03	**0.021**	< 0.02	< 0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

Data entered by VCH. Proofed by LPL. QA/QC by JBP.

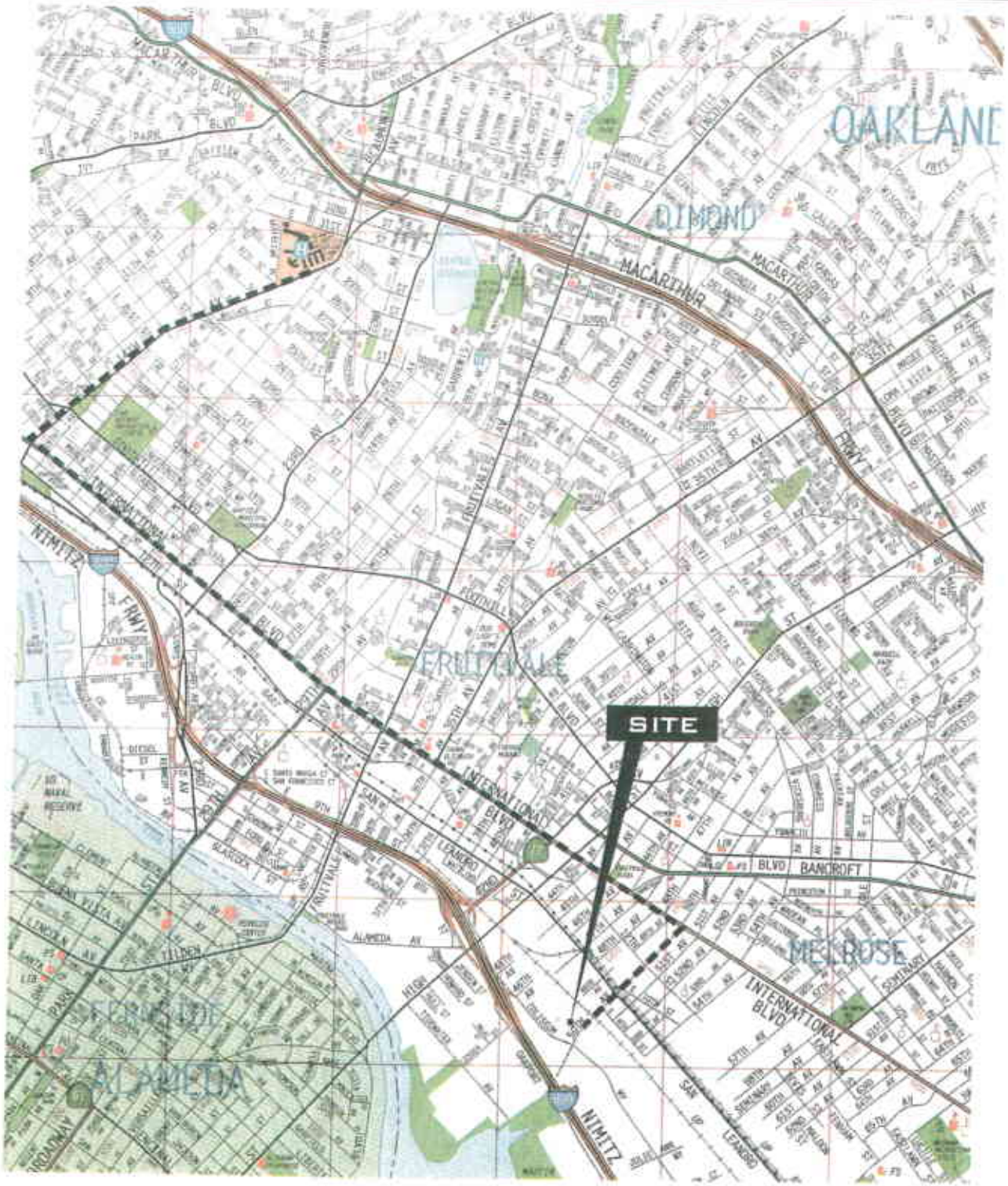
Notes:

(1) = See Laboratory Data Sheets Appendix for full list of analytes included in these analyses.

Values in **bold** detected above laboratory analytical detection limits.

VOCs = Volatile organic compounds; samples analyzed using EPA Method 8260B
ESLs = Environmental Screening Levels

--- = Not analyzed
< = Not detected above laboratory analytical detection limits
NV = No ESL value for this compound



Source: Thomas Bros 1998 Alameda Co

Site Location Map

Westside Building Materials Corp, Oakland California

LFR LEVINE • FRICKE

Figure 1

LPL-HRM100.CDR

APPENDIX A

Laboratory Data Sheets

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: 11-SEP-03
Lab Job Number: 167293
Project ID: STANDARD
Location: Westside/Alta

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

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

Curtis & Tompkins, Ltd.

Laboratory Numbers: **167293**
Client: **LFR Levine Fricke**
Location: **Westside/Alta**
COC#: **200596**

Sampled Date: **09/02/03**
Received Date: **09/02/03**

CASE NARRATIVE

This hardcopy data package contains sample and QC results for three soil samples, which were received from the site referenced above on September 02, 2003. The samples were received cold and intact. All data were E-mailed to Larry Lapuyade on September 08, 2003.

TVH/BTXE: No analytical problems were encountered.

TEH by (EPA 8015B): No analytical problems were encountered.

VOCs by (EPA 8260B): No analytical problems were encountered.

PCBs by (EPA 8082): High TCMX surrogate recovery was observed for sample SSPL-1 (CT# 167293-001). The quality of the data should not be affected because the Decachlorobiphenyl surrogate was within quality control criteria. No other analytical problems were encountered.

PNAs by (EPA 8270C): No analytical problems were encountered.

Metals by (EPA 6000/7000): The matrix spike recoveries for copper and lead are considered not meaningful (NM) as the sample concentration for these elements are two times greater than the spiked level. The sample spiked was not from the site above and the associated blank spike recoveries passed all quality control criteria. No other analytical problems were encountered.

[redacted] CHAIN OF CUSTODY / ANALYSES REQUEST FORM [redacted]

SAMPLE COLLECT[redacted]

LFR LEVINE•FRICKE
[redacted]0 Powell Street, 12th Floor
Emeryville, California 94608-1827
(510) 652-4500 Fax: (510) 652-2246

PROJECT NO.: 001-09173-00 | SECTION: xx | DATE: 9-2-03 | SAMPLER (INITIALS): LPC | SERIAL No. №[illegible]00596

PROJECT NAME: WESTSIDE / ADA | SAMPLER (Signature): [signature]

Sample ID.	Date	Time	Lab Sample No.	No. of Containers	Soil	Water	TPHd (EPA 8015M)	TPHg (EPA 8015M)	BTEX (EPA 8021/8020)	VOCs (EPA 8260/8240)*	Metals (EPA 6010/7000)**	8260B	8270				Standard	RUSH	HOLD	REMARKS
SSPL-1	9-2-03	1515		1	X		X	X	X (circled) — cancel 9/29	X	X	X — cancel 9/29								Results to LARRY WARUYADI
SSPL-2	↓	1530		1	X		X	X	X (circled)	X	X	X — do not cancel 9/29								
SSPL-3	↓	1550		1	X		X	X	X		X	X								

REMARKS:
* VOCs: ☐ 8260 List ☐ 8240 List ☐ 8010 List ☐ 624 List
** Metals: ☑ CAM17 ☐ RCRA ☐ LUFT

Preservation Correct? ☐ Yes ☐ No ☐ N/A

Received ☐ On Ice ☐ Cold ☐ Ambient ☐ Intact

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

ANALYTICAL LABORATORY:

METHOD OF SHIPMENT: Hand Deliver
LAB REPORT NO.:
FAX COC CONFIRMATION TO:
FAX RESULTS TO:
SEND HARDCOPY TO:
SEND EDD TO: EMV.LABEDDS.COM

RELINQUISHED BY: 1 — [signature] 9-2-03
(SIGNATURE) (DATE)
(PRINTED NAME) (TIME)
(COMPANY)

RELINQUISHED BY: 2
(SIGNATURE) (DATE)
(PRINTED NAME) (TIME)
(COMPANY)

RELINQUISHED BY: 3
(SIGNATURE) (DATE)
(PRINTED NAME) (TIME)
(COMPANY)

RECEIVED BY: 1 — [signature] 9/2/03
(SIGNATURE) (DATE)
Tracy Babros 5:02
(PRINTED NAME) (TIME)
(COMPANY)

RECEIVED BY: 2
(SIGNATURE) (DATE)
(PRINTED NAME) (TIME)
(COMPANY)

RECEIVED BY (LABORATORY): 3
(SIGNATURE) (DATE)
(PRINTED NAME) (TIME)
(LABORATORY)

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

FORM NO: 2001/COC/SXS

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	09/02/03
Basis:	as received	Received:	09/02/03
Diln Fac:	1.000		

Field ID: SSPL-1
Type: SAMPLE
Lab ID: 167293-001

Analyte	Result	RL	Units	Batch#	Analyzed	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	84164	09/03/03	8015B
MTBE	ND	20	ug/Kg	84202	09/04/03	EPA 8021B
Benzene	ND	5.0	ug/Kg	84164	09/03/03	EPA 8021B
Toluene	ND	5.0	ug/Kg	84164	09/03/03	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	84164	09/03/03	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	84164	09/03/03	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	84164	09/03/03	EPA 8021B

Surrogate	%REC	Limits	Batch#	Analyzed	Analysis
Trifluorotoluene (FID)	105	56-144	84164	09/03/03	8015B
Bromofluorobenzene (FID)	116	51-142	84164	09/03/03	8015B
Trifluorotoluene (PID)	94	45-150	84164	09/03/03	EPA 8021B
Bromofluorobenzene (PID)	101	42-138	84164	09/03/03	EPA 8021B

Field ID: SSPL-2
Type: SAMPLE
Lab ID: 167293-002
Units: mg/Kg
Batch#: 84164
Analyzed: 09/03/03
Analysis: 8015B

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	56-144
Bromofluorobenzene (FID)	121	51-142

Field ID: SSPL-3
Type: SAMPLE
Lab ID: 167293-003

Analyte	Result	RL	Units	Batch#	Analyzed	Analysis
Gasoline C7-C12	1.2 H Y	1.0	mg/Kg	84164	09/03/03	8015B
MTBE	ND	20	ug/Kg	84202	09/04/03	EPA 8021B
Benzene	ND	5.2	ug/Kg	84164	09/03/03	EPA 8021B
Toluene	ND	5.2	ug/Kg	84164	09/03/03	EPA 8021B
Ethylbenzene	ND	5.2	ug/Kg	84164	09/03/03	EPA 8021B
m,p-Xylenes	ND	5.2	ug/Kg	84164	09/03/03	EPA 8021B
o-Xylene	ND	5.2	ug/Kg	84164	09/03/03	EPA 8021B

Surrogate	%REC	Limits	Batch#	Analyzed	Analysis
Trifluorotoluene (FID)	100	56-144	84164	09/03/03	8015B
Bromofluorobenzene (FID)	117	51-142	84164	09/03/03	8015B
Trifluorotoluene (PID)	91	45-150	84164	09/03/03	EPA 8021B
Bromofluorobenzene (PID)	104	42-138	84164	09/03/03	EPA 8021B

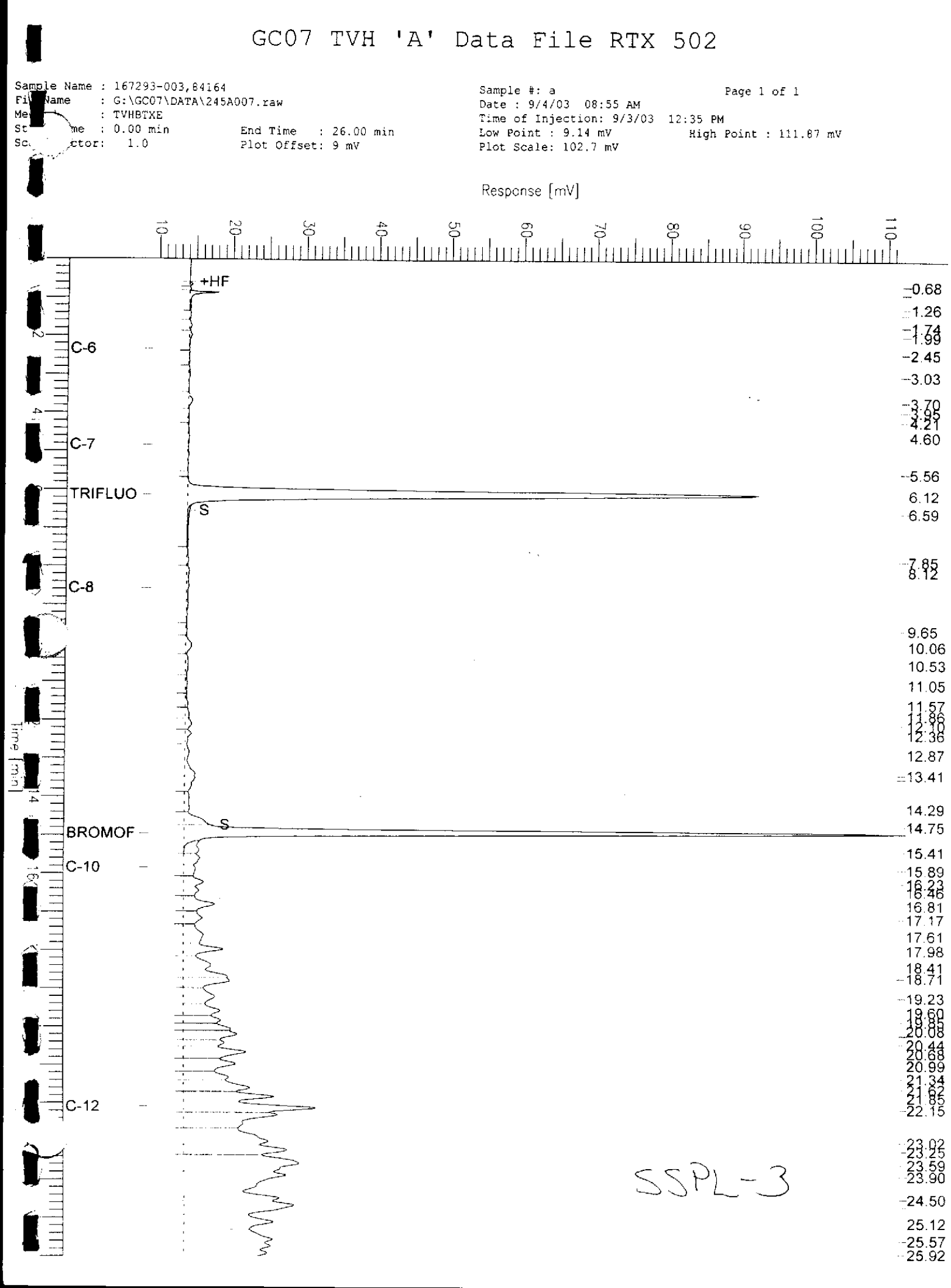
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

7.0

GC07 TVH 'A' Data File RTX 502

Sample Name : 167293-003,84164
File Name : G:\GC07\DATA\245A007.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 9 mV

Sample #: a
Date : 9/4/03 08:55 AM
Time of Injection: 9/3/03 12:35 PM
Low Point : 9.14 mV High Point : 111.87 mV
Plot Scale: 102.7 mV

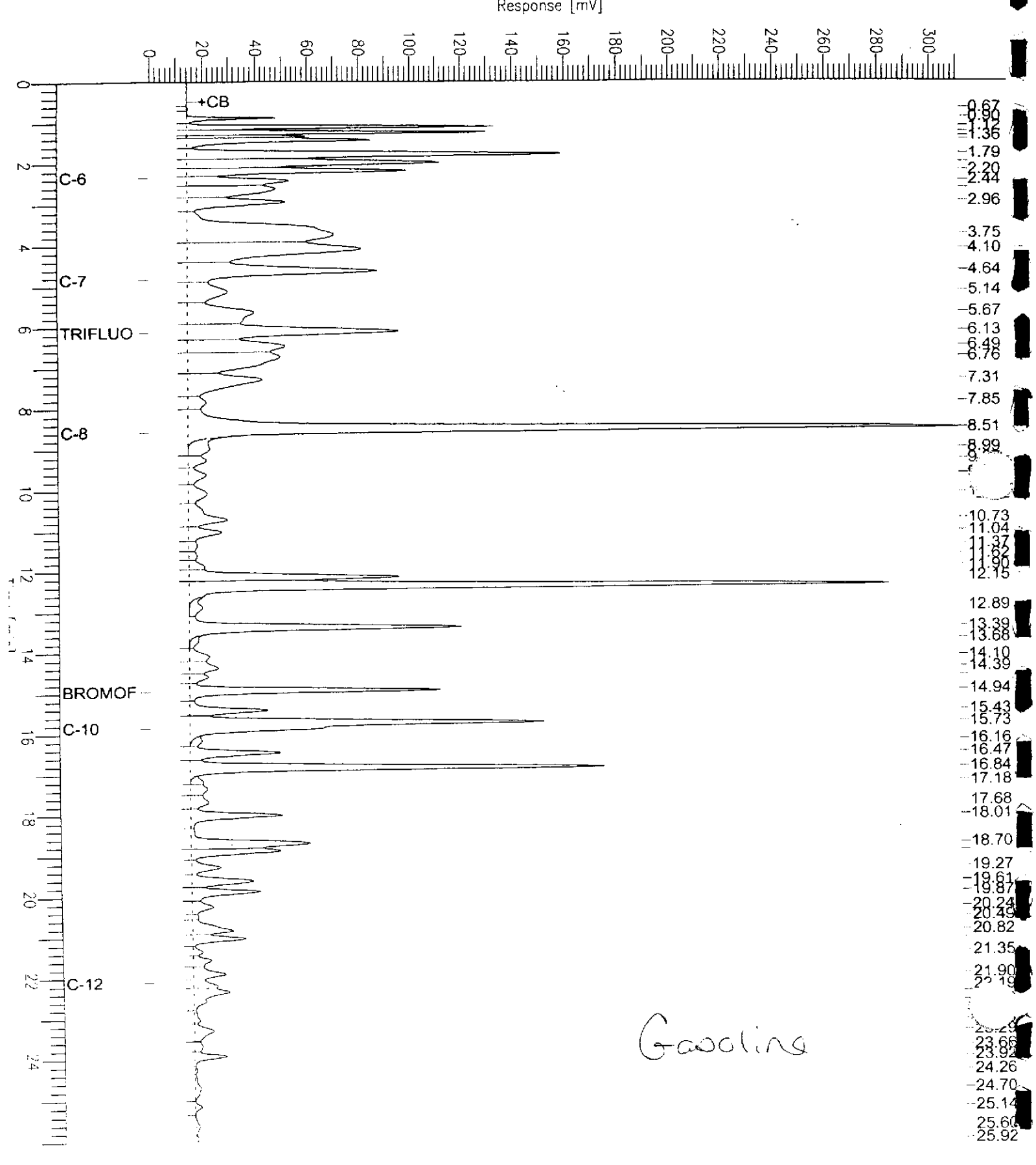


SSPL-3

GC07 TVH 'A' Data File RTX 502

mple Name : ccv/lcs,qc224326,84164,03ws1335,5/5000
leName : G:\GC07\DATA\245A003.raw
ethod : TVHBTXE
art Time : 0.00 min End Time : 26.00 min
cale Factor: 1.0 Plot Offset: -1 mV

Sample #:
Date : 9/3/03 10:18 AM
Time of Injection: 9/3/03 09:52 AM
Low Point : -0.64 mV High Point : 311.19 mV
Plot Scale: 311.8 mV



Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	09/02/03
Basis:	as received	Received:	09/02/03
Diln Fac:	1.000		

Type:	BLANK	Batch#:	84164
Lab ID:	QC224324	Analyzed:	09/03/03

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

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	99	56-144	8015B
Bromofluorobenzene (FID)	107	51-142	8015B
Trifluorotoluene (PID)	88	45-150	EPA 8021B
Bromofluorobenzene (PID)	96	42-138	EPA 8021B

Type:	BLANK	Batch#:	84202
Lab ID:	QC224471	Analyzed:	09/04/03
Units:	ug/Kg		

Analyte	Result	RL	Analysis
MTBE	ND	20	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	88	56-144	8015B
Bromofluorobenzene (FID)	121	51-142	8015B
Trifluorotoluene (PID)	70	45-150	EPA 8021B
Bromofluorobenzene (PID)	99	42-138	EPA 8021B

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

7.0

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8021B
Type:	LCS	Basis:	as received
Lab ID:	QC224325	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84164
Units:	ug/Kg	Analyzed:	09/03/03

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12		NA		
Benzene	100.0	95.45	95	80-121
Toluene	100.0	93.82	94	80-120
Ethylbenzene	100.0	93.27	93	79-120
m,p-Xylenes	200.0	185.0	92	76-120
o-Xylene	100.0	91.79	92	80-120

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)	NA		
Bromofluorobenzene (FID)	NA		
Trifluorotoluene (PID)		89	45-150
Bromofluorobenzene (PID)		96	42-138

NA= Not Analyzed

8.0

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	8015B
Type:	LCS	Basis:	as received
Lab ID:	QC224326	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84164
Units:	mg/Kg	Analyzed:	09/03/03

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	10.97	110	80-120
Benzene		NA		
Toluene		NA		
Ethylbenzene		NA		
m,p-Xylenes		NA		
o-Xylene		NA		

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)		120	56-144
Bromofluorobenzene (FID)		115	51-142
Trifluorotoluene (PID)	NA		
Bromofluorobenzene (PID)	NA		

NA= Not Analyzed

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD		
Type:	BS	Basis:	as received
Lab ID:	QC224472	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84202
Units:	ug/Kg	Analyzed:	09/04/03

Analyte	Spiked	Result	%REC	Limits	Analysis
MTBE	100.0	92.55	93	74-121	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	92	56-144	8015B
Bromofluorobenzene (FID)	129	51-142	8015B
Trifluorotoluene (PID)	73	45-150	EPA 8021B
Bromofluorobenzene (PID)	106	42-138	EPA 8021B

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD		
Type:	BSD	Basis:	as received
Lab ID:	QC224514	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84202
Units:	ug/Kg	Analyzed:	09/04/03

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Analysis
MTBE	100.0	85.14	85	74-121	8	20	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	85	56-144	8015B
Bromofluorobenzene (FID)	127	51-142	8015B
Trifluorotoluene (PID)	69	45-150	EPA 8021B
Bromofluorobenzene (PID)	106	42-138	EPA 8021B

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	8015B
Field ID:	SSPL-1	Diln Fac:	1.000
MSS Lab ID:	167293-001	Batch#:	84164
Matrix:	Soil	Sampled:	09/02/03
Units:	mg/Kg	Received:	09/02/03
Basis:	as received	Analyzed:	09/03/03

Type: MS Lab ID: QC224444

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.4167	9.804	5.600	53	24-134
Benzene			NA		
Toluene			NA		
Ethylbenzene			NA		
m,p-Xylenes			NA		
o-Xylene			NA		

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)		121	56-144
Bromofluorobenzene (FID)		108	51-142
Trifluorotoluene (PID)	NA		
Bromofluorobenzene (PID)	NA		

Type: MSD Lab ID: QC224445

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.20	5.813	53	24-134	0	32
Benzene		NA				
Toluene		NA				
Ethylbenzene		NA				
m,p-Xylenes		NA				
o-Xylene		NA				

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)		121	56-144
Bromofluorobenzene (FID)		109	51-142
Trifluorotoluene (PID)	NA		
Bromofluorobenzene (PID)	NA		

NA= Not Analyzed
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	09/02/03
Units:	mg/Kg	Received:	09/02/03
Basis:	as received	Prepared:	09/04/03
Batch#:	84201	Analyzed:	09/04/03

Field ID: SSPL-1 Lab ID: 167293-001
Type: SAMPLE Diln Fac: 20.00

Analyte	Result	RL
Diesel C10-C24	430 H Y	20
Motor Oil C24-C36	1,300	100

Surrogate	%REC	Limits
Hexacosane	DO	36-141

Field ID: SSPL-2 Lab ID: 167293-002
Type: SAMPLE Diln Fac: 20.00

Analyte	Result	RL
Diesel C10-C24	3,500 H Y	20
Motor Oil C24-C36	2,900 L	100

Surrogate	%REC	Limits
Hexacosane	DO	36-141

Field ID: SSPL-3 Lab ID: 167293-003
Type: SAMPLE Diln Fac: 20.00

Analyte	Result	RL
Diesel C10-C24	340 H Y	20
Motor Oil C24-C36	950	100

Surrogate	%REC	Limits
Hexacosane	DO	36-141

Type: BLANK Diln Fac: 1.000
Lab ID: QC224467

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

Surrogate	%REC	Limits
Hexacosane	88	36-141

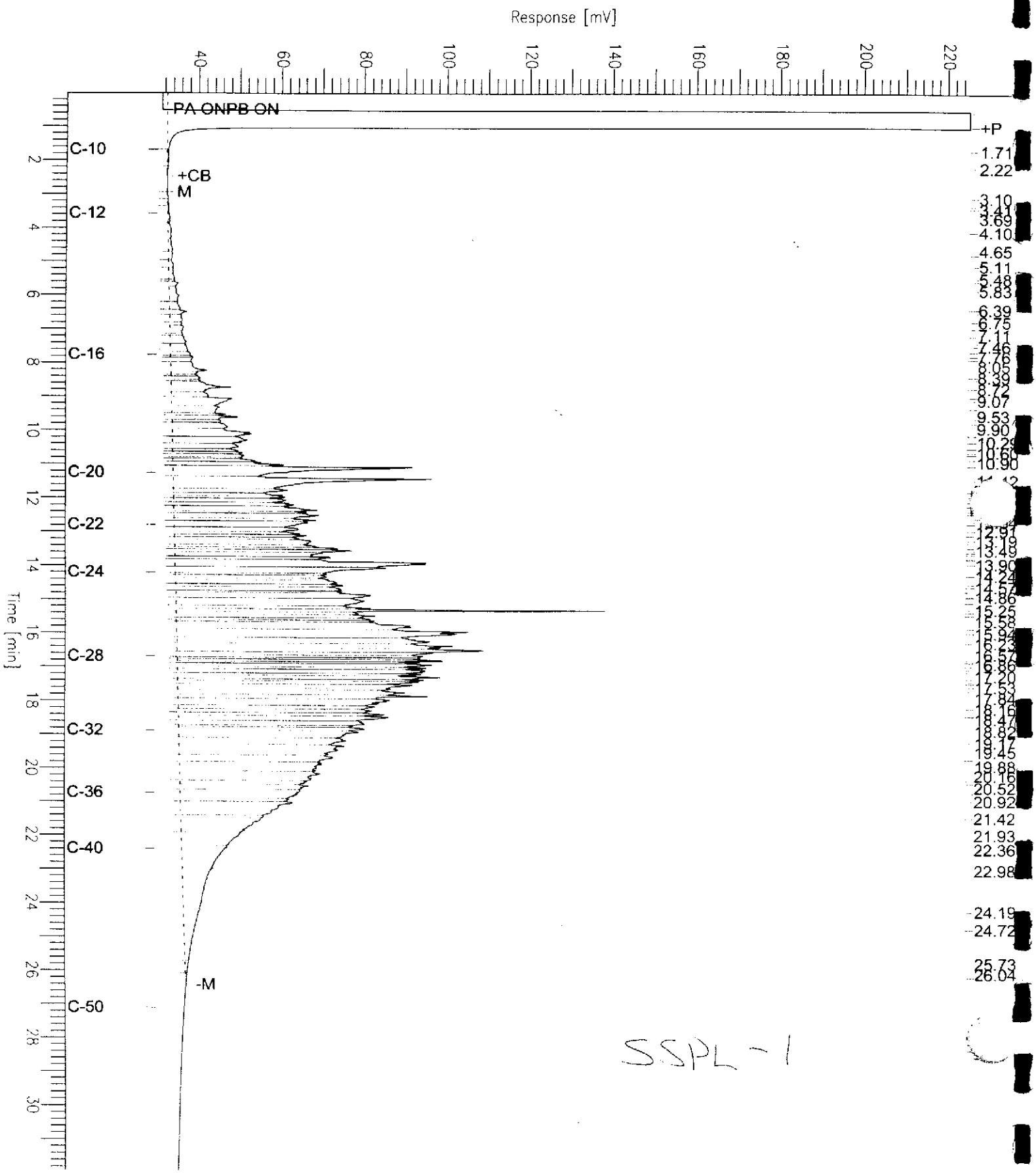
H Heavier hydrocarbons contributed to the quantitation
L Lighter hydrocarbons contributed to the quantitation
Y Sample exhibits chromatographic pattern which does not resemble standard
DO Diluted Out
ND Not Detected
RL Reporting Limit

15.0

Chromatogram

Sample Name : 167293-001,84201
FileName : G:\GC13\CHB\244B102.RAW
Method : BTEH246.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 30 mV

Sample #: 84201 Page 1 of 1
Date : 9/4/03 06:12 PM
Time of Injection: 9/4/03 03:48 PM
Low Point : 30.10 mV High Point : 225.40 mV
Plot Scale: 195.3 mV

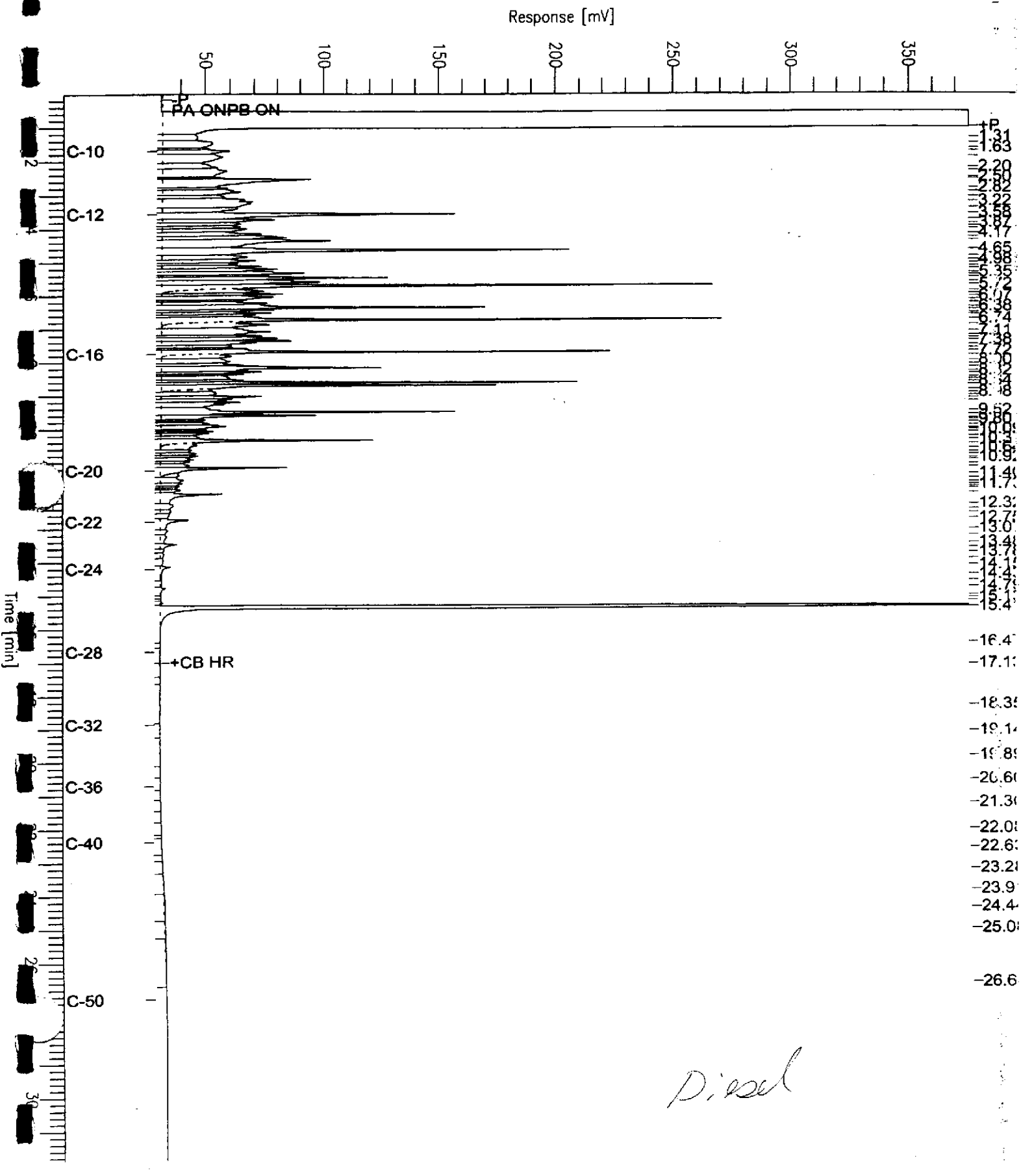


SSPL-1

Chromatogram

Sam[redacted]e Name : ccv,03wsl374,dsl
Fil[redacted]ame : G:\GC13\CHB\244B009.RAW
Met[redacted] : BTEH245.MTH
Sta[redacted]me : 0.01 min End Time : 31.91 min
Scal[redacted]actor: 0.0 Plot Offset: 30 mV

Sample #: 500mg/L Page 1 of 1
Date : 9/2/03 11:08 AM
Time of Injection: 9/1/03 07:44 PM
Low Point : 30.11 mV High Point : 375.72 mV
Plot Scale: 345.6 mV

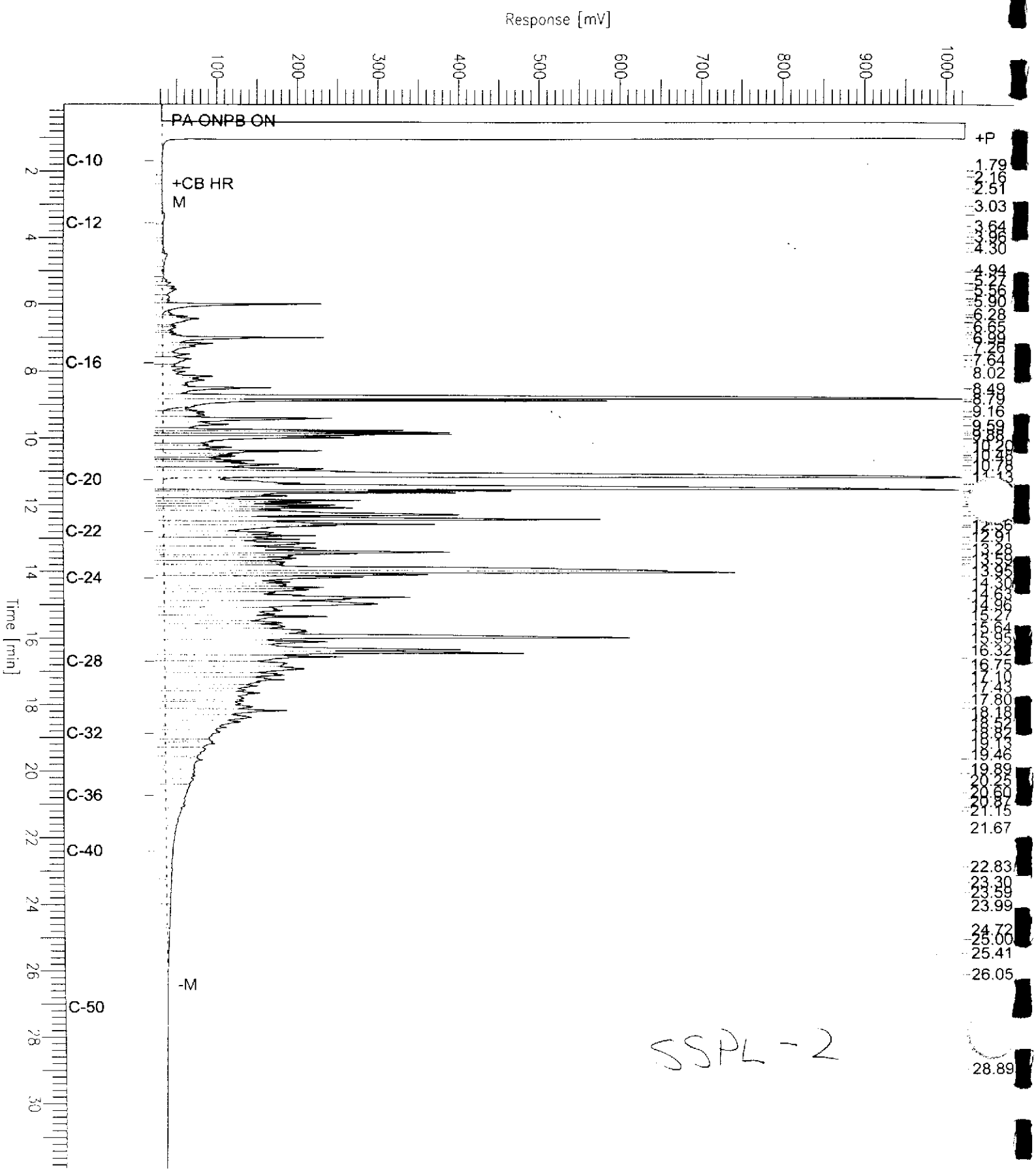


Diesel

Chromatogram

Sample Name : 167293-002,84201
FileName : G:\GC13\CHB\244B103.RAW
Method : BTEH246.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 22 mV

Sample #: 84201 Page 1 of 1
Date : 9/4/03 06:12 PM
Time of Injection: 9/4/03 04:27 PM
Low Point : 22.34 mV High Point : 1024.00 mV
Plot Scale: 1001.7 mV

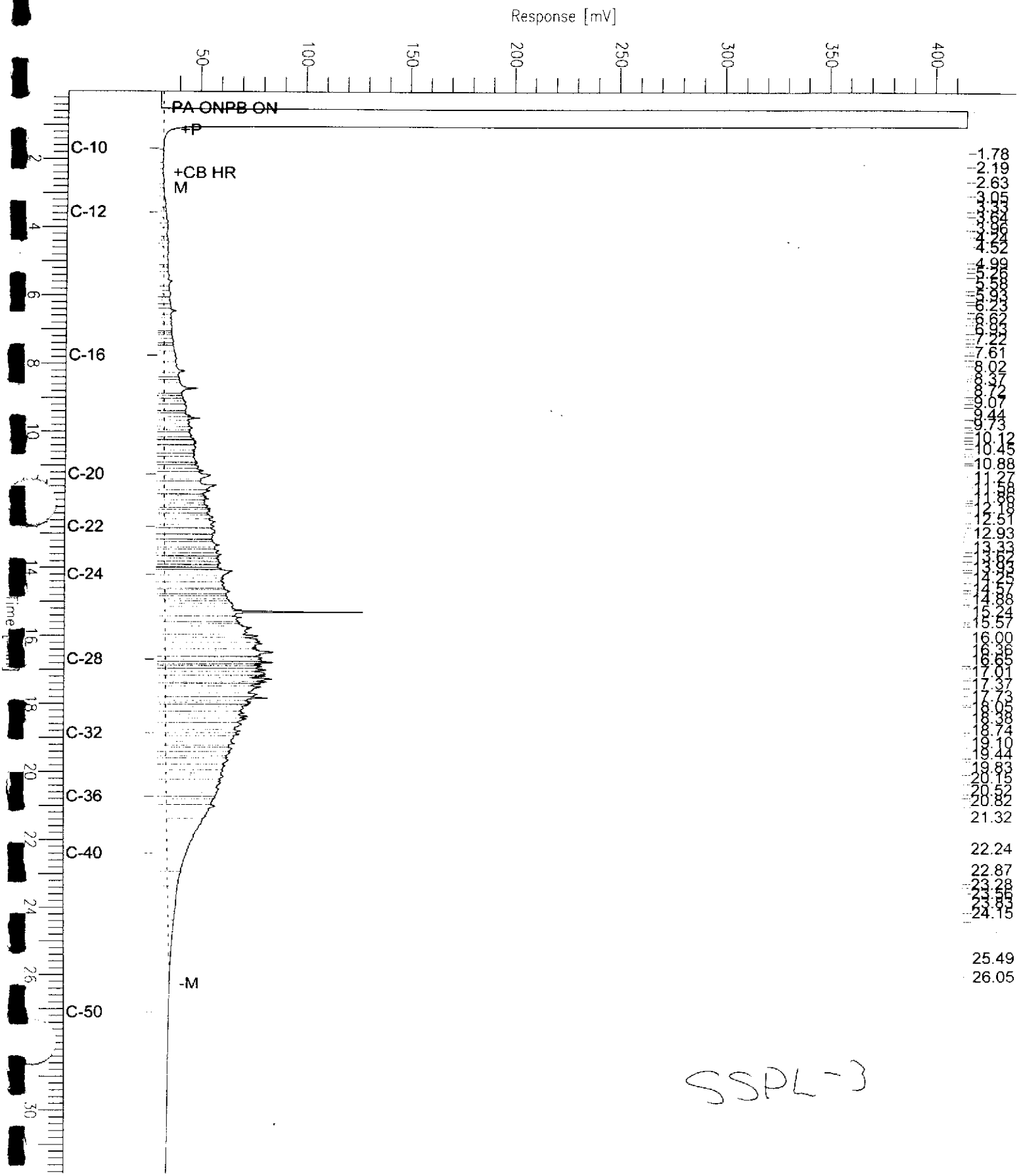


SSPL-2

Chromatogram

Sample Name : 167293-003,84201
[redacted]eName : G:\GC13\CHB\244B105.RAW
[redacted]hod : BTEH246.MTH
[redacted] Time : 0.01 min End Time : 31.87 min
[redacted]Factor: 0.0 Plot Offset: 30 mV

Sample #: 84201 Page 1 of 1
Date : 9/5/03 10:12 AM
Time of Injection: 9/4/03 06:05 PM
Low Point : 30.18 mV High Point : 414.94 mV
Plot Scale: 384.8 mV

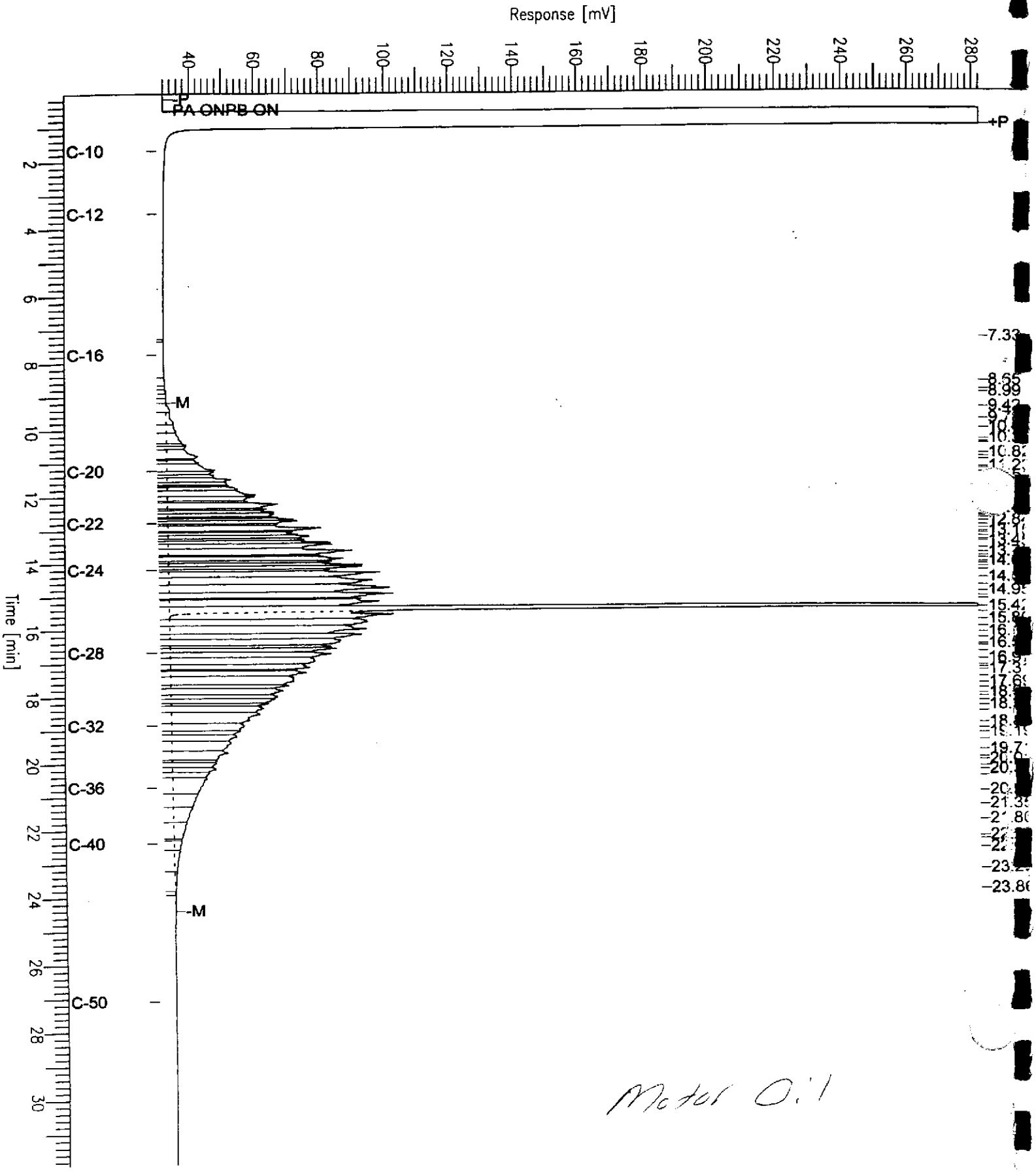


SSPL-3

Chromatogram

Sample Name : ccv,03ws1389,mo
FileName : G:\GC13\CHB\244B010.RAW
Method : BTEH245.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 30 mV

Sample #: 500mg/L
Date : 9/2/03 10:47 AM
Time of Injection: 9/1/03 08:23 PM
Low Point : 30.17 mV High Point : 282.29 mV
Plot Scale: 252.1 mV



Motor Oil

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC224468	Batch#:	84201
Matrix:	Soil	Prepared:	09/04/03
Units:	mg/Kg	Analyzed:	09/04/03
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.77	43.82	88	49-129

Surrogate	%REC	Limits
Hexacosane	86	36-141

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	SSPL-2	Diln Fac:	1.000
Lab ID:	167293-002	Batch#:	84254
Matrix:	Soil	Sampled:	09/02/03
Units:	ug/Kg	Received:	09/02/03
Basis:	as received	Analyzed:	09/05/03

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	SSPL-2	Diln Fac:	1.000
Lab ID:	167293-002	Batch#:	84254
Matrix:	Soil	Sampled:	09/02/03
Units:	ug/Kg	Received:	09/02/03
Basis:	as received	Analyzed:	09/05/03

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

Surrogate	%REC	Limits
Dibromofluoromethane	101	63-133
1,2-Dichloroethane-d4	100	76-130
Toluene-d8	101	80-111
Bromofluorobenzene	103	77-126

ND= Not Detected
RL= Reporting Limit

26.1

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC224681	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84254
Units:	ug/Kg	Analyzed:	09/05/03

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC224681	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84254
Units:	ug/Kg	Analyzed:	09/05/03

Analyte	Result	RL
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
-Xylene	ND	5.0
tyrene	ND	5.0
Bromoform	ND	5.0
sopropylbenzene	ND	5.0
,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
ylbenzene	ND	5.0
obenzene	ND	5.0
,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
-Chlorotoluene	ND	5.0
ert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
ec-Butylbenzene	ND	5.0
ara-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
,2,4-Trichlorobenzene	ND	5.0
exachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	95	63-133
,2-Dichloroethane-d4	97	76-130
oluene-d8	102	80-111
Bromofluorobenzene	103	77-126

N = Not Detected
RL= Reporting Limit

30.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC224682	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84254
Units:	ug/Kg	Analyzed:	09/05/03

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC224682	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84254
Units:	ug/Kg	Analyzed:	09/05/03

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

Surrogate	%REC	Limits
Dibromofluoromethane	98	63-133
1,2-Dichloroethane-d4	97	76-130
Toluene-d8	100	80-111
Bromofluorobenzene	100	77-126

ND = Not Detected
RL = Reporting Limit

31.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC224680	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84254
Units:	ug/Kg	Analyzed:	09/05/03

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	53.88	108	72-125
Benzene	50.00	52.04	104	78-120
Trichloroethene	50.00	51.86	104	76-127
Toluene	50.00	51.25	102	79-120
Chlorobenzene	50.00	48.19	96	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	108	63-133
1,2-Dichloroethane-d4	102	76-130
Toluene-d8	103	80-111
Bromofluorobenzene	103	77-126

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.9615
MSS Lab ID:	167344-001	Batch#:	84254
Matrix:	Soil	Sampled:	09/04/03
Units:	ug/Kg	Received:	09/04/03
Basis:	as received	Analyzed:	09/05/03

Type: MS Lab ID: QC224721

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.2400	48.08	49.69	103	53-135
Benzene	<0.3800	48.08	47.02	98	55-121
Trichloroethene	0.6082	48.08	47.87	98	46-149
Toluene	<0.4700	48.08	47.53	99	44-129
Chlorobenzene	<0.3800	48.08	44.97	94	48-121

Surrogate	%REC	Limits
Dibromofluoromethane	106	63-133
1,2-Dichloroethane-d4	99	76-130
Toluene-d8	102	80-111
Bromofluorobenzene	99	77-126

Type: MSD Lab ID: QC224722

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	48.08	49.21	102	53-135	1	20
Benzene	48.08	47.78	99	55-121	2	20
Trichloroethene	48.08	48.67	100	46-149	2	20
Toluene	48.08	48.01	100	44-129	1	20
Chlorobenzene	48.08	44.67	93	48-121	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	103	63-133
1,2-Dichloroethane-d4	98	76-130
Toluene-d8	102	80-111
Bromofluorobenzene	102	77-126

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	STANDARD	Analysis:	EPA 8082
Matrix:	Soil	Sampled:	09/02/03
Units:	ug/Kg	Received:	09/02/03
Basis:	as received	Prepared:	09/04/03
Batch#:	84224		

Field ID:	SSPL-1	Diln Fac:	5.000
Type:	SAMPLE	Analyzed:	09/08/03
Lab ID:	167293-001	Cleanup Method:	EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	60
Aroclor-1221	ND	120
Aroclor-1232	ND	60
Aroclor-1242	ND	60
Aroclor-1248	ND	60
Aroclor-1254	1,300	60
Aroclor-1260	1,500	60

Surrogate	%REC	Limits
TCMX	154 *	45-135
Decachlorobiphenyl	139	39-148

Field ID:	SSPL-2	Diln Fac:	20.00
Type:	SAMPLE	Analyzed:	09/08/03
Lab ID:	167293-002	Cleanup Method:	EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	240
Aroclor-1221	ND	480
Aroclor-1232	ND	240
Aroclor-1242	ND	240
Aroclor-1248	ND	240
Aroclor-1254	3,500	240
Aroclor-1260	6,300	240

Surrogate	%REC	Limits
TCMX	DO	45-135
Decachlorobiphenyl	DO	39-148

*= Value outside of QC limits; see narrative
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	STANDARD	Analysis:	EPA 8082
Matrix:	Soil	Sampled:	09/02/03
Units:	ug/Kg	Received:	09/02/03
Basis:	as received	Prepared:	09/04/03
Batch#:	84224		

Field ID:	SSPL-3	Diln Fac:	2.000
Type:	SAMPLE	Analyzed:	09/08/03
Lab ID:	167293-003	Cleanup Method:	EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	24
Aroclor-1221	ND	48
Aroclor-1232	ND	24
Aroclor-1242	ND	24
Aroclor-1248	ND	24
Aroclor-1254	1,300	24
Aroclor-1260	1,100	24

Surrogate	%REC	Limits
TCMX	125	45-135
Decachlorobiphenyl	118	39-148

Type:	BLANK	Analyzed:	09/04/03
Lab ID:	QC224566	Cleanup Method:	EPA 3665A
Diln Fac:	1.000		

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	93	45-135
Decachlorobiphenyl	83	39-148

* Value outside of QC limits; see narrative
DCO = Diluted Out
ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	STANDARD	Analysis:	EPA 8082
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC224567	Batch#:	84224
Matrix:	Soil	Prepared:	09/04/03
Units:	ug/Kg	Analyzed:	09/04/03
Basis:	as received		

Cleanup Method: EPA 3665A

Analyte	Spiked	Result	%REC	Limits
Aroclor-1232	168.0	189.1	113	67-140

Surrogate	%REC	Limits
TCMX	114	45-135
Decachlorobiphenyl	98	39-148

35.0

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	STANDARD	Analysis:	EPA 8270C
Field ID:	SSPL-1	Batch#:	84166
Lab ID:	167293-001	Sampled:	09/02/03
Matrix:	Soil	Received:	09/02/03
Units:	ug/Kg	Prepared:	09/03/03
Basis:	as received	Analyzed:	09/03/03
Dil'n Fac:	5.000		

Analyte	Result	RL
Naphthalene	ND	250
Acenaphthylene	ND	250
Acenaphthene	260	250
Fluorene	ND	250
Phenanthrene	2,000	250
Anthracene	490	250
Fluoranthene	3,800	250
Pyrene	5,600	250
Benzo(a)anthracene	2,200	250
Chrysene	2,700	250
Benzo(b)fluoranthene	1,700	250
Benzo(k)fluoranthene	1,900	250
Benzo(a)pyrene	1,900	250
Indeno(1,2,3-cd)pyrene	660	250
Dibenz(a,h)anthracene	ND	250
Benzo(g,h,i)perylene	750	250

Surrogate	%REC	Limits
Nitrobenzene-d5	78	27-120
2-Fluorobiphenyl	80	33-121
Terphenyl-d14	81	20-125

ND = Not Detected
RL = Reporting Limit

1.0

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	STANDARD	Analysis:	EPA 8270C
Field ID:	SSPL-2	Batch#:	84166
Lab ID:	167293-002	Sampled:	09/02/03
Matrix:	Soil	Received:	09/02/03
Units:	ug/Kg	Prepared:	09/03/03
Basis:	as received	Analyzed:	09/03/03
Diln Fac:	10.00		

Analyte	Result	RL
Naphthalene	ND	500
Acenaphthylene	ND	500
Acenaphthene	1,300	500
Fluorene	1,300	500
Phenanthrene	11,000	500
Anthracene	3,400	500
Fluoranthene	12,000	500
Pyrene	13,000	500
Benzo(a)anthracene	5,900	500
Chrysene	6,300	500
Benzo(b)fluoranthene	4,100	500
Benzo(k)fluoranthene	4,500	500
Benzo(a)pyrene	4,200	500
Indeno(1,2,3-cd)pyrene	1,200	500
Dibenz(a,h)anthracene	ND	500
Benzo(g,h,i)perylene	1,300	500

Surrogate	%REC	Limits
Nitrobenzene-d5	83	27-120
2-Fluorobiphenyl	85	33-121
Terphenyl-d14	87	20-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	STANDARD	Analysis:	EPA 8270C
Field ID:	SSPL-3	Batch#:	84166
Lab ID:	167293-003	Sampled:	09/02/03
Matrix:	Soil	Received:	09/02/03
Units:	ug/Kg	Prepared:	09/03/03
Basis:	as received	Analyzed:	09/03/03
Dil Fac:	5.000		

Analyte	Result	RL
Naphthalene	ND	250
Acenaphthylene	ND	250
Acenaphthene	ND	250
Fluorene	ND	250
Phenanthrene	680	250
Anthracene	270	250
Fluoranthene	1,400	250
Pyrene	2,200	250
Benzo(a)anthracene	920	250
Chrysene	1,200	250
Benzo(b)fluoranthene	1,300	250
Benzo(k)fluoranthene	1,000	250
Benzo(a)pyrene	990	250
Indeno(1,2,3-cd)pyrene	370	250
Dibenz(a,h)anthracene	ND	250
Benzo(g,h,i)perylene	510	250

Surrogate	%REC	Limits
Nitrobenzene-d5	85	27-120
2-Fluorobiphenyl	87	33-121
Terphenyl-d14	90	20-125

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	STANDARD	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC224333	Batch#:	84166
Matrix:	Soil	Prepared:	09/03/03
Units:	ug/Kg	Analyzed:	09/03/03
Basis:	as received		

Analyte	Result	RL
Naphthalene	ND	49
Acenaphthylene	ND	49
Acenaphthene	ND	49
Fluorene	ND	49
Phenanthrene	ND	49
Anthracene	ND	49
Fluoranthene	ND	49
Pyrene	ND	49
Benzo(a)anthracene	ND	49
Chrysene	ND	49
Benzo(b)fluoranthene	ND	49
Benzo(k)fluoranthene	ND	49
Benzo(a)pyrene	ND	49
Indeno(1,2,3-cd)pyrene	ND	49
Dibenz(a,h)anthracene	ND	49
Benzo(g,h,i)perylene	ND	49

Surrogate	%REC	Limits
Nitrobenzene-d5	78	27-120
2-Fluorobiphenyl	79	33-121
Terphenyl-d14	75	20-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	STANDARD	Analysis:	EPA 8270C
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC224334	Batch#:	84166
Matrix:	Soil	Prepared:	09/03/03
Units:	ug/Kg	Analyzed:	09/03/03
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Naphthalene	1,649	1,299	79	35-120
Acenaphthylene	1,649	1,297	79	34-120
Acenaphthene	1,649	1,280	78	38-120
Fluorene	1,649	1,324	80	36-120
Phenanthrene	1,649	1,331	81	37-120
Anthracene	1,649	1,298	79	36-120
Fluoranthene	1,649	1,318	80	40-120
Pyrene	1,649	1,368	83	33-120
Benzo(a)anthracene	1,649	1,422	86	36-120
Chrysene	1,649	1,458	88	37-120
Benzo(b)fluoranthene	1,649	1,077	65	31-120
Benzo(k)fluoranthene	1,649	1,336	81	28-125
Benzo(a)pyrene	1,649	1,302	79	30-120
Indeno(1,2,3-cd)pyrene	1,649	1,431	87	20-136
Dibenz(a,h)anthracene	1,649	1,708	104	25-137
Benzo(g,h,i)perylene	1,649	1,633	99	32-134

Surrogate	%REC	Limits
Nitrobenzene-d5	86	27-120
2-Fluorobiphenyl	85	33-121
Terphenyl-d14	79	20-125

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	STANDARD	Analysis:	EPA 8270C
Field ID:	ZZZZZZZZZZ	Batch#:	84166
MSS Lab ID:	167250-001	Sampled:	08/27/03
Matrix:	Soil	Received:	08/29/03
Units:	ug/Kg	Prepared:	09/03/03
Basis:	as received	Analyzed:	09/03/03
Diln Fac:	1.000		

Type: MS Lab ID: QC224335

Analyte	MSS Result	Spiked	Result	%REC	Limits
Naphthalene	46.16	1,663	1,321	77	26-120
Acenaphthylene	<22.00	1,663	1,298	78	25-120
Acenaphthene	<10.00	1,663	1,267	76	20-126
Fluorene	<11.00	1,663	1,310	79	21-121
Phenanthrene	<10.00	1,663	1,305	78	16-130
Anthracene	<10.00	1,663	1,272	77	23-127
Fluoranthene	18.19	1,663	1,310	78	34-133
Pyrene	22.52	1,663	1,440	85	31-142
Benzo(a)anthracene	<29.00	1,663	1,398	84	21-121
Chrysene	14.98	1,663	1,452	86	15-122
Benzo(b)fluoranthene	<25.00	1,663	1,159	70	17-126
Benzo(k)fluoranthene	<10.00	1,663	1,296	78	29-131
Benzo(a)pyrene	13.18	1,663	1,300	77	21-127
Indeno(1,2,3-cd)pyrene	<9.600	1,663	1,061	64	15-147
Dibenz(a,h)anthracene	<10.00	1,663	1,316	79	18-[illegible]
Benzo(g,h,i)perylene	<10.00	1,663	1,122	67	15-[illegible]

Surrogate	%REC	Limits
Nitrobenzene-d5	84	27-120
2-Fluorobiphenyl	83	33-121
Terphenyl-d14	79	20-125

Type: MSD Lab ID: QC224336

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Naphthalene	1,651	1,253	73	26-120	5	34
Acenaphthylene	1,651	1,214	74	25-120	6	34
Acenaphthene	1,651	1,181	71	20-126	6	35
Fluorene	1,651	1,226	74	21-121	6	36
Phenanthrene	1,651	1,250	76	16-130	4	40
Anthracene	1,651	1,212	73	23-127	4	34
Fluoranthene	1,651	1,238	74	34-133	5	41
Pyrene	1,651	1,380	82	31-142	4	42
Benzo(a)anthracene	1,651	1,306	79	21-121	6	36
Chrysene	1,651	1,386	83	15-122	4	38
Benzo(b)fluoranthene	1,651	1,115	68	17-126	3	38
Benzo(k)fluoranthene	1,651	1,294	78	29-131	1	47
Benzo(a)pyrene	1,651	1,243	74	21-127	4	46
Indeno(1,2,3-cd)pyrene	1,651	901.9	55	15-147	15	39
Dibenz(a,h)anthracene	1,651	1,132	69	18-140	14	49
Benzo(g,h,i)perylene	1,651	931.7	56	15-135	18	46

Surrogate	%REC	Limits
Nitrobenzene-d5	80	27-120
2-Fluorobiphenyl	78	33-121
Terphenyl-d14	76	20-125

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167293	Project#:	STANDARD
Client:	LFR Levine Fricke	Location:	Westside/Alta
Field ID:	SSPL-1	Basis:	as received
Lab ID:	167293-001	Diln Fac:	1.000
Matrix:	Soil	Sampled:	09/02/03
Units:	mg/Kg	Received:	09/02/03

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	2.9	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Arsenic	4.0	0.24	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Barium	340	0.49	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Beryllium	0.16	0.097	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Cadmium	4.1	0.24	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Chromium	21	0.49	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Cobalt	6.1	0.97	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Copper	51	0.49	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Lead	120	0.15	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Mercury	0.39	0.020	84208	09/04/03	09/04/03	METHOD	EPA 7471
Molybdenum	1.0	0.97	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Nickel	33	0.97	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Selenium	0.27	0.24	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Silver	ND	0.24	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Thallium	4.1	0.24	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Vanadium	19	0.49	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Zinc	290	0.97	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167293	Project#:	STANDARD
Client:	LFR Levine Fricke	Location:	Westside/Alta
Field ID:	SSPL-2	Basis:	as received
Lab ID:	167293-002	Diln Fac:	1.000
Matrix:	Soil	Sampled:	09/02/03
Units:	mg/Kg	Received:	09/02/03

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	2.9	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Arsenic	4.4	0.24	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Barium	280	0.49	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Beryllium	0.18	0.098	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Cadmium	6.2	0.24	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Chromium	28	0.49	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Cobalt	8.2	0.98	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Copper	74	0.49	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Lead	180	0.15	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Mercury	0.43	0.017	84208	09/04/03	09/04/03	METHOD	EPA 7471
Molybdenum	1.1	0.98	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Nickel	47	0.98	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Selenium	0.34	0.24	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Silver	0.26	0.24	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Thallium	5.8	0.24	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Vanadium	24	0.49	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Zinc	510	0.98	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167293	Project#:	STANDARD
Client:	LFR Levine Fricke	Location:	Westside/Alta
Field ID:	SSPL-3	Basis:	as received
Lab ID:	167293-003	Diln Fac:	1.000
Matrix:	Soil	Sampled:	09/02/03
Units:	mg/Kg	Received:	09/02/03

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	2.8	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Arsenic	5.2	0.23	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Barium	230	0.47	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Beryllium	0.21	0.093	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Cadmium	4.9	0.23	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Chromium	48	0.47	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Cobalt	8.5	0.93	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Copper	40	0.47	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Lead	94	0.14	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Mercury	0.26	0.018	84208	09/04/03	09/04/03	METHOD	EPA 7471
Molybdenum	1.1	0.93	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Nickel	50	0.93	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Selenium	0.31	0.23	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Silver	ND	0.23	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Thallium	5.7	0.23	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Vanadium	30	0.47	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B
Zinc	190	0.93	84295	09/07/03	09/08/03	EPA 3050	EPA 6010B

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7471
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC224498	Batch#:	84208
Matrix:	Soil	Prepared:	09/04/03
Units:	mg/Kg	Analyzed:	09/04/03

Result	RL
ND	0.020

ND= Not Detected
RL= Reporting Limit

20.0

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167293	Location:	Westside/Alta
[illegible]ient:	LFR Levine Fricke	Prep:	EPA 3050
[illegible]oject#:	STANDARD	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
[illegible]b ID:	QC224817	Batch#:	84295
[illegible]trix:	Soil	Prepared:	09/07/03
Units:	mg/Kg	Analyzed:	09/08/03
[illegible]asis:	as received		

Analyte	Result	RL
Antimony	ND	3.0
[illegible]rsenic	ND	0.25
[illegible]rium	ND	0.50
Beryllium	ND	0.10
[illegible]dmium	ND	0.25
[illegible]romium	ND	0.50
Cobalt	ND	1.0
Copper	ND	0.50
[illegible]ad	ND	0.15
Molybdenum	ND	1.0
Nickel	ND	1.0
[illegible]ium	ND	0.25
[illegible]er	ND	0.25
Thallium	ND	0.25
[illegible]nadium	ND	0.50
[illegible]nc	ND	1.0

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7471
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84208
Units:	mg/Kg	Prepared:	09/04/03
Basis:	as received	Analyzed:	09/04/03

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC224499	0.5000	0.5230	105	80-120		
BSD	QC224500	0.5000	0.5740	115	80-120	9	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7471
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	84208
MSS Lab ID:	167250-001	Sampled:	08/27/03
Matrix:	Soil	Received:	08/29/03
Units:	mg/Kg	Prepared:	09/04/03
Basis:	as received	Analyzed:	09/04/03

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC224501	0.03700	0.3968	0.5278	124	37-144		
MSD	QC224502		0.4032	0.4976	114	37-144	7	37

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 3050
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	84295
Units:	mg/Kg	Prepared:	09/07/03
Basis:	as received	Analyzed:	09/08/03
Diln Fac:	1.000		

Type: BS Lab ID: QC224818

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	108.5	109	73-134
Arsenic	50.00	43.85	88	74-120
Barium	100.0	87.00	87	72-120
Beryllium	2.500	2.250	90	74-120
Cadmium	10.00	8.300	83	72-120
Chromium	100.0	88.00	88	74-120
Cobalt	25.00	21.10	84	70-120
Copper	12.50	11.10	89	70-120
Lead	100.0	83.00	83	71-120
Molybdenum	20.00	17.85	89	76-120
Nickel	25.00	21.05	84	72-120
Selenium	50.00	42.35	85	66-120
Silver	10.00	8.500	85	66-120
Thallium	50.00	41.20	82	69-120
Vanadium	25.00	22.50	90	74-120
Zinc	25.00	20.20	81	68-120

Type: BSD Lab ID: QC224819

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	108.5	109	73-134	0	20
Arsenic	50.00	44.30	89	74-120	1	20
Barium	100.0	88.00	88	72-120	1	20
Beryllium	2.500	2.240	90	74-120	0	20
Cadmium	10.00	8.450	85	72-120	2	20
Chromium	100.0	87.50	88	74-120	1	20
Cobalt	25.00	21.05	84	70-120	0	20
Copper	12.50	11.15	89	70-120	0	20
Lead	100.0	82.00	82	71-120	1	20
Molybdenum	20.00	18.00	90	76-120	1	20
Nickel	25.00	21.20	85	72-120	1	20
Selenium	50.00	41.95	84	66-120	1	20
Silver	10.00	8.600	86	66-120	1	20
Thallium	50.00	41.20	82	69-120	0	20
Vanadium	25.00	22.50	90	74-120	0	20
Zinc	25.00	20.10	80	68-120	0	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167293	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 3050
Project#:	STANDARD	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	84295
MSS Lab ID:	167399-001	Sampled:	09/05/03
Matrix:	Soil	Received:	09/05/03
Units:	mg/Kg	Prepared:	09/07/03
Basis:	as received	Analyzed:	09/08/03
Dil'n Fac:	1.000		

Type: MS Lab ID: QC224820

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	25.42	94.79	83.41	61	15-123
Arsenic	1.172	47.39	44.79	92	40-126
Barium	8.282	94.79	95.26	92	19-138
Beryllium	0.08150	2.370	2.313	94	58-120
Cadmium	0.5374	9.479	9.005	89	47-120
Chromium	4.802	94.79	90.52	90	35-131
Cobalt	0.5903	23.70	21.33	88	39-120
Copper	42.91	11.85	58.77	134 NM	32-150
Lead	563.9	94.79	587.7	25 NM	23-137
Molybdenum	0.1339	18.96	16.45	86	28-120
Nickel	4.106	23.70	25.73	91	32-136
Selenium	<0.1500	47.39	41.00	87	38-120
Silver	<0.02400	9.479	8.246	87	55-120
Thallium	0.8106	47.39	40.90	85	50-120
Vanadium	4.405	23.70	26.64	94	25-130
Zinc	10.93	23.70	31.99	89	20-147

Type: MSD Lab ID: QC224821

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	96.15	80.77	58	15-123	4	45
Arsenic	48.08	43.89	89	40-126	3	28
Barium	96.15	94.71	90	19-138	2	30
Beryllium	2.404	2.284	92	58-120	3	20
Cadmium	9.615	8.846	86	47-120	3	24
Chromium	96.15	89.90	89	35-131	2	29
Cobalt	24.04	21.11	85	39-120	2	29
Copper	12.02	58.17	127 NM	32-150	1	45
Lead	96.15	476.4	-91 NM	23-137	21	40
Molybdenum	19.23	16.54	85	28-120	1	21
Nickel	24.04	25.48	89	32-136	2	35
Selenium	48.08	40.63	85	38-120	2	23
Silver	9.615	8.173	85	55-120	2	26
Thallium	48.08	40.91	83	50-120	1	26
Vanadium	24.04	26.49	92	25-130	2	26
Zinc	24.04	31.30	85	20-147	3	32

NM = Not Meaningful
RPD = Relative Percent Difference

25.0

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: 15-SEP-03
Lab Job Number: 167361
Project ID: STANDARD
Location: Westside/Alta

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

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

Curtis & Tompkins, Ltd.

Laboratory Numbers: **167361**
Client: **LFR Levine Fricke**
Location: **Westside/Alta**

Sampled Date: **09/04/03**
Received Date: **09/04/03**

CASE NARRATIVE

This hardcopy data package contains sample and QC results for three soil samples, which were received from the site referenced above on September 04, 2003. The samples were received cold and intact. All data were E-mailed to Larry Lapuyade on September 04, 2003.

TVH/BTXE: High Bromofluorobenzene surrogate recoveries were observed for samples FLAG-1-0.5 (CT# 167361-001), FLAG-2-0.5 (CT# 167361-002), FLAG-3-0.5 (CT# 167361-003) and the matrix spike recoveries of FLAG-1-0.5 (CT# 167361-001) as a result of non-target hydrocarbons coeluting with the surrogate peak. No other analytical problems were encountered.

TEH by (EPA 8015B): No analytical problems were encountered.

VOCs by (EPA 8260B): No analytical problems were encountered.

PCBs by (EPA 8082): No analytical problems were encountered.

PNAs by (EPA 8270C): High Acenaphthylene matrix spike duplicate recovery was observed for sample FLAG-2-0.5 (CT# 167361-002). The quality of the data should not be affected because the associated laboratory control sample (LCS) passed all quality control criteria. No other analytical problems were encountered.

Metals by (EPA 6000/7000): No analytical problems were encountered.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

SERIAL No. 200534

SAMPLE COLLECTOR: LFR LEVINE•FRICKE
1900 Powell Street, 12th Floor
Emeryville, California 94608-1827
(510) 652-4500 Fax: (510) 652-2246

PROJECT NO: 001-09173-01-***
SECTION: ****
PROJECT NAME: WGSIS.DR / ALTA
DATE: 9-4-03
SAMPLER'S INITIALS: LDC
SAMPLER (Signature):

Sample ID.	Date	Time	Lab Sample No.	No. of Containers	TYPE: Soil	TYPE: Water	TPHd (EPA 8015M)	TPHg (EPA 8015M)	BTEX (EPA 8021/8260)	VOCs (EPA 8260/624)*	Metals (EPA 6010/7000)**	PAHs	PCBs	TAT: Standard	TAT: RUSH:	TAT: HOLD
1 RLAG-1-0.5	9-4-03	1310		1	X		X	X	X	X	X	X	X	X		
2 RLAG-2-0.5	↓	1320		1	X		X	X	X	X	X	X	X	X		
3 RLAG-3-0.5	↓	1340		1	X		X	X	X	X	X	X	X	X		

REMARKS
* VOCs: ☐ 8260 List ☐ 8240 List ☐ 8010 List ☐ 624 List
** Metals: ☐ CAM17 ☐ RCRA ☐ LUFT

Results to LARRY LAPINADER

Preservation Correct? ☑ Yes ☐ No ☐ N/A

Received ☑ On ice ☑ Cold ☐ Ambient ☑ Intact

SAMPLE RECEIPT: Cooler Temp: ____ Cooler No: ____
☐ Intact ☐ Cold ☐ On Ice ☐ Ambient
Preservative Correct? ☐ Yes ☐ No ☐ N/A

ANALYTICAL LABORATORY: C+T

METHOD OF SHIPMENT: HAND DELIVERY
LAB REPORT NO.:
FAX COC CONFIRMATION TO:
FAX RESULTS TO:
SEND HARDCOPY TO:
SEND EDD TO: EMV.LABEDDS.COM

	RELINQUISHED BY: 1	RELINQUISHED BY: 2	RELINQUISHED BY: 3
(SIGNATURE)	9-4-03 (DATE)	(DATE)	(DATE)
(PRINTED NAME)	LARRY LAPINADER (TIME) 15 05	(TIME)	(TIME)
(COMPANY)	LFR LEVINE FRICKE		

	RECEIVED BY: 1	RECEIVED BY: 2	RECEIVED BY (LABORATORY): 3
(SIGNATURE)	9-4-03 (DATE)	(DATE)	(DATE)
(PRINTED NAME)	3:05 (TIME)	(TIME)	(TIME)
(COMPANY)	C+T		(LABORATORY)

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

FORM NO: 2001/COC/SXS

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	09/04/03
Basis:	as received	Received:	09/04/03
Diln Fac:	1.000	Analyzed:	09/08/03
Batch#:	84299		

Field ID: FLAG-1-0.5 Lab ID: 167361-001
Type: SAMPLE

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	8015B
MTBE	ND	22	ug/Kg	EPA 8021B
Benzene	ND	5.5	ug/Kg	EPA 8021B
Toluene	ND	5.5	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.5	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.5	ug/Kg	EPA 8021B
o-Xylene	ND	5.5	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	100	56-144	8015B
Bromofluorobenzene (FID)	146 *	51-142	8015B
Trifluorotoluene (PID)	82	45-150	EPA 8021B
Bromofluorobenzene (PID)	123	42-138	EPA 8021B

Field ID: FLAG-2-0.5 Lab ID: 167361-002
Type: SAMPLE

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	8015B
MTBE	ND	22	ug/Kg	EPA 8021B
Benzene	ND	5.4	ug/Kg	EPA 8021B
Toluene	ND	5.4	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.4	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.4	ug/Kg	EPA 8021B
o-Xylene	ND	5.4	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	103	56-144	8015B
Bromofluorobenzene (FID)	154 *	51-142	8015B
Trifluorotoluene (PID)	84	45-150	EPA 8021B
Bromofluorobenzene (PID)	128	42-138	EPA 8021B

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	09/04/03
Basis:	as received	Received:	09/04/03
Diln Fac:	1.000	Analyzed:	09/08/03
Batch#:	84299		

Field ID: FLAG-3-0.5 Lab ID: 167361-003
Type: SAMPLE

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	8015B
MTBE	ND	21	ug/Kg	EPA 8021B
Benzene	ND	5.2	ug/Kg	EPA 8021B
Toluene	ND	5.2	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.2	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.2	ug/Kg	EPA 8021B
o-Xylene	ND	5.2	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	94	56-144	8015B
Bromofluorobenzene (FID)	158 *	51-142	8015B
Trifluorotoluene (PID)	78	45-150	EPA 8021B
Bromofluorobenzene (PID)	136	42-138	EPA 8021B

Type: BLANK Lab ID: QC224838

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

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	93	56-144	8015B
Bromofluorobenzene (FID)	108	51-142	8015B
Trifluorotoluene (PID)	76	45-150	EPA 8021B
Bromofluorobenzene (PID)	90	42-138	EPA 8021B

* Value outside of QC limits; see narrative
ND Not Detected
RL= Reporting Limit

12.1

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8021B
Type:	LCS	Basis:	as received
Lab ID:	QC224839	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84299
Units:	ug/Kg	Analyzed:	09/08/03

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12		NA		
MTBE	50.00	55.24	110	74-121
Benzene	50.00	56.70	113	80-121
Toluene	50.00	51.88	104	80-120
Ethylbenzene	50.00	54.32	109	79-120
m,p-Xylenes	100.0	109.1	109	76-120
o-Xylene	50.00	54.43	109	80-120

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)	NA		
Bromofluorobenzene (FID)	NA		
Trifluorotoluene (PID)		86	45-150
Bromofluorobenzene (PID)		103	42-138

NA= Not Analyzed

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	8015B
Type:	LCS	Basis:	as received
Lab ID:	QC224840	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84299
Units:	mg/Kg	Analyzed:	09/08/03

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	5.000	5.464	109	80-120
MTBE		NA		
Benzene		NA		
Toluene		NA		
Ethylbenzene		NA		
m,p-Xylenes		NA		
o-Xylene		NA		

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)		116	56-144
Bromofluorobenzene (FID)		126	51-142
Trifluorotoluene (PID)	NA		
Bromofluorobenzene (PID)	NA		

A= Not Analyzed

14.0

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	8015B
Field ID:	FLAG-1-0.5	Diln Fac:	1.000
MSS Lab ID:	167361-001	Batch#:	84299
Matrix:	Soil	Sampled:	09/04/03
Units:	mg/Kg	Received:	09/04/03
Basis:	as received	Analyzed:	09/08/03

Type: MS Lab ID: QC224918

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.1088	10.53	6.912	65	24-134
MTBE			NA		
Benzene			NA		
Toluene			NA		
Ethylbenzene			NA		
m,p-Xylenes			NA		
o-Xylene			NA		

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)		120	56-144
Bromofluorobenzene (FID)		179 *	51-142
Trifluorotoluene (PID)	NA		
Bromofluorobenzene (PID)	NA		

Type: MSD Lab ID: QC224919

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.64	6.577	61	24-134	6	32
MTBE		NA				
Benzene		NA				
Toluene		NA				
Ethylbenzene		NA				
m,p-Xylenes		NA				
o-Xylene		NA				

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)		118	56-144
Bromofluorobenzene (FID)		178 *	51-142
Trifluorotoluene (PID)	NA		
Bromofluorobenzene (PID)	NA		

*= Value outside of QC limits; see narrative
NA= Not Analyzed
RPD= Relative Percent Difference

15.0

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	09/04/03
Units:	mg/Kg	Received:	09/04/03
Basis:	as received	Prepared:	09/08/03
Batch#:	84318	Analyzed:	09/10/03

Field ID: FLAG-1-0.5 Lab ID: 167361-001
Type: SAMPLE Diln Fac: 10.00

Analyte	Result	RL
Diesel C10-C24	77 H Y	10
Motor Oil C24-C36	430	50

Surrogate	%REC	Limits
Hexacosane	DO	36-141

Field ID: FLAG-2-0.5 Lab ID: 167361-002
Type: SAMPLE Diln Fac: 10.00

Analyte	Result	RL
Diesel C10-C24	510 H Y	10
Motor Oil C24-C36	1,400	50

Surrogate	%REC	Limits
acosane	DO	36-141

Field ID: FLAG-3-0.5 Lab ID: 167361-003
Type: SAMPLE Diln Fac: 10.00

Analyte	Result	RL
Diesel C10-C24	180 H Y	10
Motor Oil C24-C36	650	50

Surrogate	%REC	Limits
Hexacosane	DO	36-141

Type: BLANK Diln Fac: 1.000
Lab ID: QC224928 Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	110	36-141

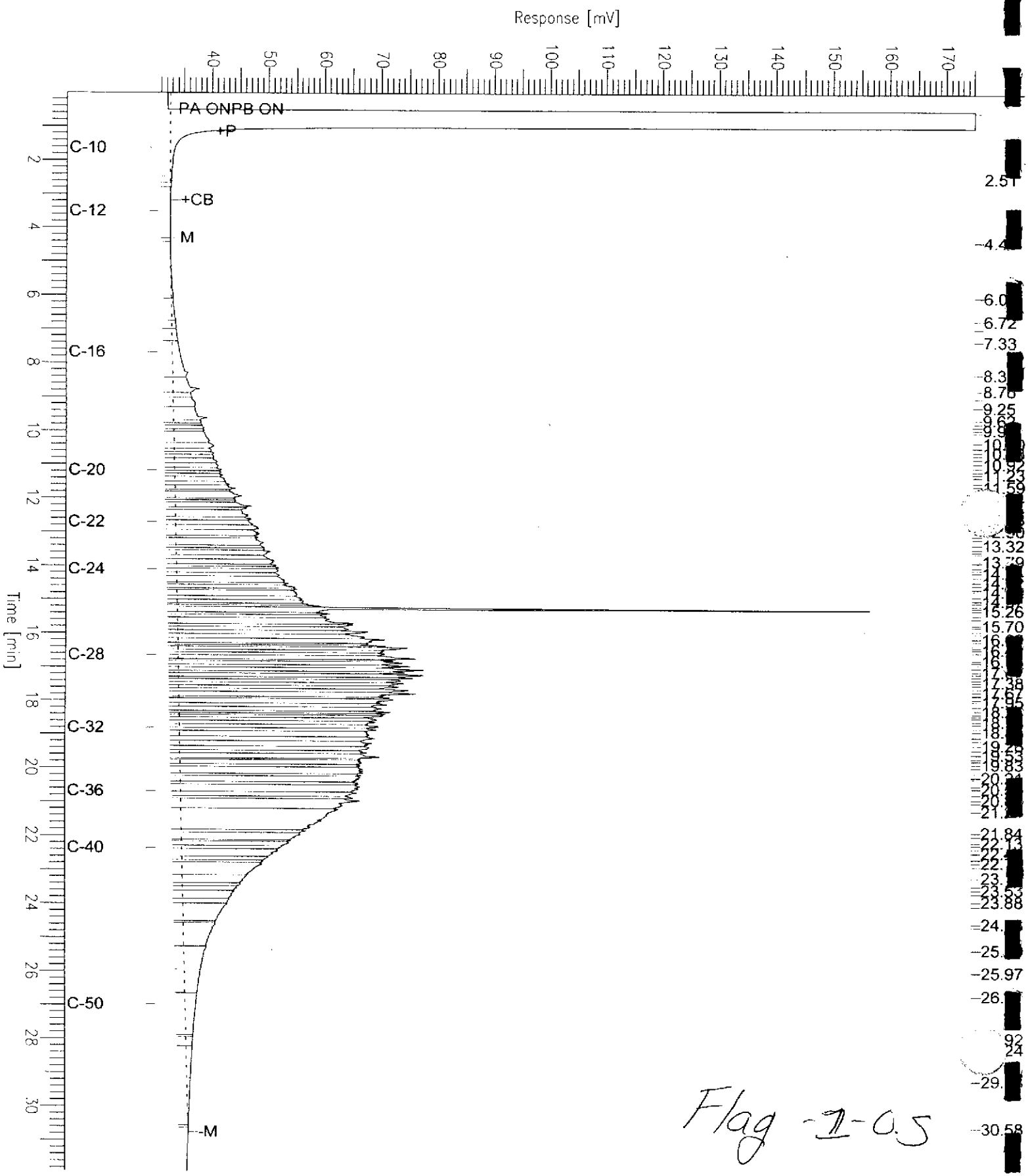
H= Heavier hydrocarbons contributed to the quantitation
Sample exhibits chromatographic pattern which does not resemble standard
Diluted Out
Not Detected
L= Reporting Limit

28.0

Chromatogram

Sample Name : 167361-001,84318
FileName : G:\GC13\CHB\251B077.RAW
Method : BTEH251.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 30 mV

Sample #: 84318 Page 1 of 1
Date : 9/10/03 12:16 PM
Time of Injection: 9/10/03 11:43 AM
Low Point : 30.45 mV High Point : 175.11 mV
Plot Scale: 144.7 mV

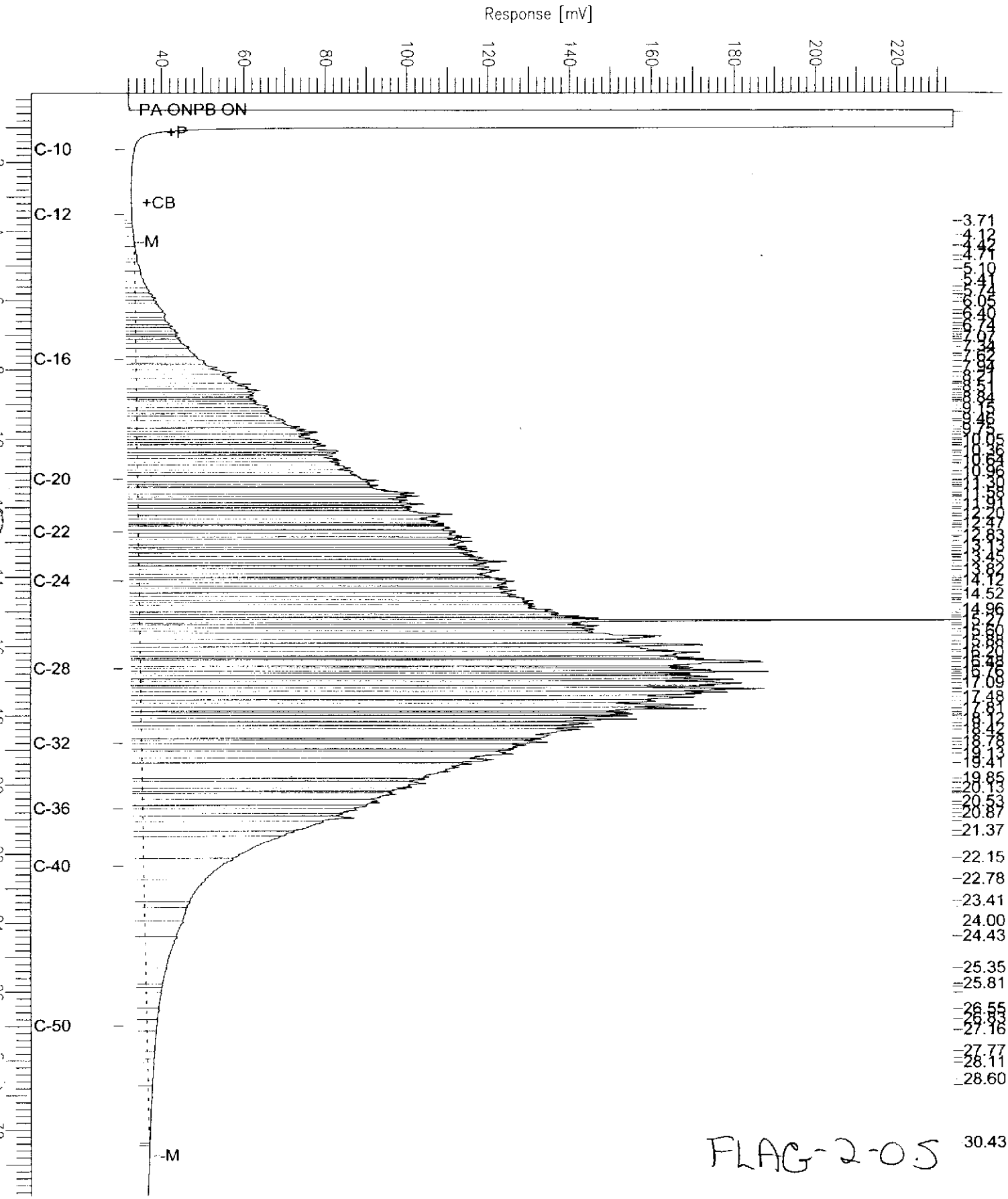


Flag -1-0.5

Chromatogram

Sample Name : 167361-002,84318
FileName : G:\GC13\CHB\251B078.RAW
Method : BTEH251.MTH
Start Time : 0.01 min End Time : 31.91 min
Slope Factor: 0.0 Plot Offset: 31 mV

Sample #: 84318 Page 1 of 1
Date : 9/10/03 01:09 PM
Time of Injection: 9/10/03 12:22 PM
Low Point : 31.06 mV High Point : 233.97 mV
Plot Scale: 202.9 mV

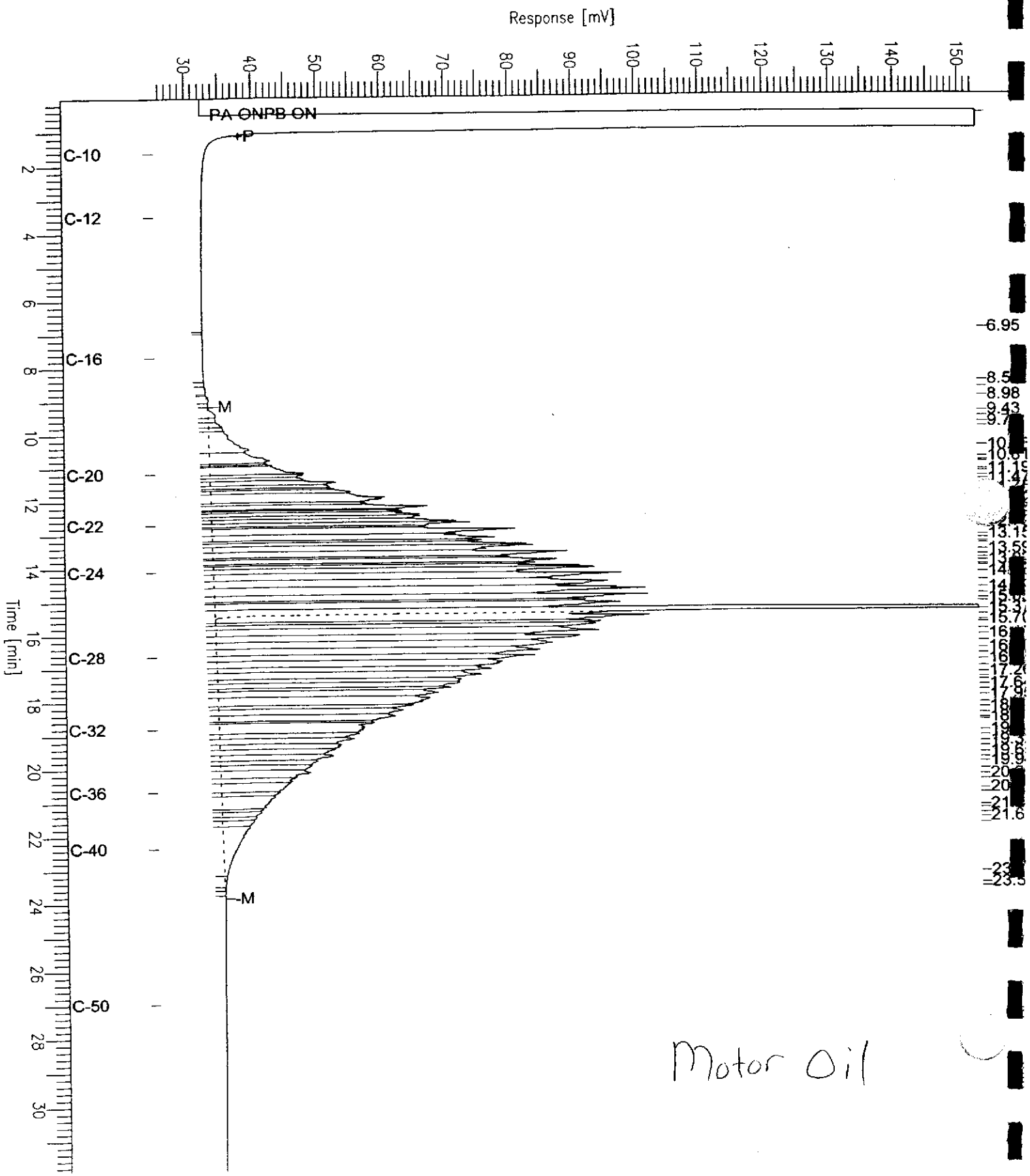


FLAG-2-05

Chromatogram

Sample Name : ccv,03ws1389,mo
FileName : G:\GC13\CHB\251B003.RAW
Method : BTEH251.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 25 mV

Sample #: 500mg/L
Date : 9/8/03 11:39 AM
Time of Injection: 9/8/03 10:30 AM
Low Point : 25.21 mV High Point : 152.87 mV
Plot Scale: 127.7 mV



Motor Oil

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC224929	Batch#:	84318
Matrix:	Soil	Prepared:	09/08/03
Units:	mg/Kg	Analyzed:	09/09/03
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.08	47.15	94	49-129

Surrogate	%REC	Limits
Hexacosane	104	36-141

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	84318
MSS Lab ID:	167412-001	Sampled:	09/05/03
Matrix:	Soil	Received:	09/08/03
Units:	mg/Kg	Prepared:	09/08/03
Basis:	as received	Analyzed:	09/11/03
Diln Fac:	1.000		

Type: MS Lab ID: QC224930

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	4.794	50.01	57.25	105	32-134

Surrogate	%REC	Limits
Hexacosane	98	36-141

Type: MSD Lab ID: QC224931

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.97	69.19	129	32-134	19	48

Surrogate	%REC	Limits
Hexacosane	103	36-141

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	FLAG-1-0.5	Diln Fac:	0.9804
Lab ID:	167361-001	Batch#:	84212
Matrix:	Soil	Sampled:	09/04/03
Units:	ug/Kg	Received:	09/04/03
Basis:	as received	Analyzed:	09/04/03

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	FLAG-1-0.5	Diln Fac:	0.9804
Lab ID:	167361-001	Batch#:	84212
Matrix:	Soil	Sampled:	09/04/03
Units:	ug/Kg	Received:	09/04/03
Basis:	as received	Analyzed:	09/04/03

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

Surrogate	%REC	Limits
Dibromofluoromethane	101	63-133
1,2-Dichloroethane-d4	105	76-130
Toluene-d8	103	80-111
Bromofluorobenzene	106	77-126

ND= Not Detected
RL= Reporting Limit

7.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	FLAG-2-0.5	Diln Fac:	0.9091
Lab ID:	167361-002	Batch#:	84212
Matrix:	Soil	Sampled:	09/04/03
Units:	ug/Kg	Received:	09/04/03
Basis:	as received	Analyzed:	09/04/03

Analyte	Result	RL
Freon 12	ND	9.1
Chloromethane	ND	9.1
Vinyl Chloride	ND	9.1
Bromomethane	ND	9.1
Chloroethane	ND	9.1
Trichlorofluoromethane	ND	4.5
Acetone	ND	18
Freon 113	ND	4.5
1,1-Dichloroethene	ND	4.5
Methylene Chloride	ND	18
Carbon Disulfide	ND	4.5
MTBE	ND	4.5
trans-1,2-Dichloroethene	ND	4.5
Vinyl Acetate	ND	45
1,1-Dichloroethane	ND	4.5
2-Butanone	ND	9.1
cis-1,2-Dichloroethene	ND	4.5
2,2-Dichloropropane	ND	4.5
Chloroform	ND	4.5
Bromochloromethane	ND	4.5
1,1,1-Trichloroethane	ND	4.5
1,1-Dichloropropene	ND	4.5
Carbon Tetrachloride	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Trichloroethene	ND	4.5
1,2-Dichloropropane	ND	4.5
Bromodichloromethane	ND	4.5
Dibromomethane	ND	4.5
4-Methyl-2-Pentanone	ND	9.1
cis-1,3-Dichloropropene	ND	4.5
Toluene	ND	4.5
trans-1,3-Dichloropropene	ND	4.5
1,1,2-Trichloroethane	ND	4.5
2-Hexanone	ND	9.1
1,3-Dichloropropane	ND	4.5
Tetrachloroethene	ND	4.5

ND= Not Detected
RL= Reporting Limit

8.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	FLAG-2-0.5	Diln Fac:	0.9091
Lab ID:	167361-002	Batch#:	84212
Matrix:	Soil	Sampled:	09/04/03
Units:	ug/Kg	Received:	09/04/03
Basis:	as received	Analyzed:	09/04/03

Analyte	Result	RL
Dibromochloromethane	ND	4.5
1,2-Dibromoethane	ND	4.5
Chlorobenzene	ND	4.5
1,1,1,2-Tetrachloroethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5
Styrene	ND	4.5
Bromoform	ND	4.5
Isopropylbenzene	ND	4.5
1,1,2,2-Tetrachloroethane	ND	4.5
1,2,3-Trichloropropane	ND	4.5
Propylbenzene	ND	4.5
Bromobenzene	ND	4.5
1,3,5-Trimethylbenzene	ND	4.5
2-Chlorotoluene	ND	4.5
4-Chlorotoluene	ND	4.5
tert-Butylbenzene	ND	4.5
1,2,4-Trimethylbenzene	ND	4.5
sec-Butylbenzene	ND	4.5
para-Isopropyl Toluene	ND	4.5
1,3-Dichlorobenzene	ND	4.5
1,4-Dichlorobenzene	ND	4.5
n-Butylbenzene	ND	4.5
1,2-Dichlorobenzene	ND	4.5
1,2-Dibromo-3-Chloropropane	ND	4.5
1,2,4-Trichlorobenzene	ND	4.5
Hexachlorobutadiene	ND	4.5
Naphthalene	ND	4.5
1,2,3-Trichlorobenzene	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	104	63-133
1,2-Dichloroethane-d4	110	76-130
Toluene-d8	104	80-111
Bromofluorobenzene	106	77-126

ND= Not Detected
RL= Reporting Limit

8.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	FLAG-3-0.5	Diln Fac:	0.9091
Lab ID:	167361-003	Batch#:	84212
Matrix:	Soil	Sampled:	09/04/03
Units:	ug/Kg	Received:	09/04/03
Basis:	as received	Analyzed:	09/04/03

Analyte	Result	RL
Freon 12	ND	9.1
Chloromethane	ND	9.1
Vinyl Chloride	ND	9.1
Bromomethane	ND	9.1
Chloroethane	ND	9.1
Trichlorofluoromethane	ND	4.5
Acetone	ND	18
Freon 113	ND	4.5
1,1-Dichloroethene	ND	4.5
Methylene Chloride	ND	18
Carbon Disulfide	ND	4.5
MTBE	ND	4.5
trans-1,2-Dichloroethene	ND	4.5
Vinyl Acetate	ND	45
1,1-Dichloroethane	ND	4.5
2-Butanone	ND	9.1
cis-1,2-Dichloroethene	ND	4.5
2,2-Dichloropropane	ND	4.5
Chloroform	ND	4.5
Bromochloromethane	ND	4.5
1,1,1-Trichloroethane	ND	4.5
1,1-Dichloropropene	ND	4.5
Carbon Tetrachloride	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Trichloroethene	ND	4.5
1,2-Dichloropropane	ND	4.5
Bromodichloromethane	ND	4.5
Dibromomethane	ND	4.5
4-Methyl-2-Pentanone	ND	9.1
cis-1,3-Dichloropropene	ND	4.5
Toluene	ND	4.5
trans-1,3-Dichloropropene	ND	4.5
1,1,2-Trichloroethane	ND	4.5
2-Hexanone	ND	9.1
1,3-Dichloropropane	ND	4.5
Tetrachloroethene	ND	4.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	FLAG-3-0.5	Diln Fac:	0.9091
Lab ID:	167361-003	Batch#:	84212
Matrix:	Soil	Sampled:	09/04/03
Units:	ug/Kg	Received:	09/04/03
Basis:	as received	Analyzed:	09/04/03

Analyte	Result	RL
Dibromochloromethane	ND	4.5
1,2-Dibromoethane	ND	4.5
Chlorobenzene	ND	4.5
1,1,1,2-Tetrachloroethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5
Styrene	ND	4.5
Bromoform	ND	4.5
Isopropylbenzene	ND	4.5
1,1,2,2-Tetrachloroethane	ND	4.5
1,2,3-Trichloropropane	ND	4.5
Propylbenzene	ND	4.5
Bromobenzene	ND	4.5
1,3,5-Trimethylbenzene	ND	4.5
2-Chlorotoluene	ND	4.5
4-Chlorotoluene	ND	4.5
tert-Butylbenzene	ND	4.5
1,2,4-Trimethylbenzene	ND	4.5
sec-Butylbenzene	ND	4.5
para-Isopropyl Toluene	ND	4.5
1,3-Dichlorobenzene	ND	4.5
1,4-Dichlorobenzene	ND	4.5
n-Butylbenzene	ND	4.5
1,2-Dichlorobenzene	ND	4.5
1,2-Dibromo-3-Chloropropane	ND	4.5
1,2,4-Trichlorobenzene	ND	4.5
Hexachlorobutadiene	ND	4.5
Naphthalene	ND	4.5
1,2,3-Trichlorobenzene	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	63-133
1,2-Dichloroethane-d4	105	76-130
Toluene-d8	104	80-111
Bromofluorobenzene	100	77-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC224518	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84212
Units:	ug/Kg	Analyzed:	09/04/03

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

ND= Not Detected
RL= Reporting Limit

10.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC224518	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84212
Units:	ug/Kg	Analyzed:	09/04/03

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

Surrogate	%REC	Limits
Dibromofluoromethane	95	63-133
1,2-Dichloroethane-d4	99	76-130
Toluene-d8	101	80-111
Bromofluorobenzene	94	77-126

ND= Not Detected
RL= Reporting Limit

10.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Soil	Diln Fac:	1.000
Units:	ug/Kg	Batch#:	84212
Basis:	as received	Analyzed:	09/04/03

Type: BS Lab ID: QC224544

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	45.00	90	72-125
Benzene	50.00	48.23	96	78-120
Trichloroethene	50.00	49.40	99	76-127
Toluene	50.00	52.09	104	79-120
Chlorobenzene	50.00	51.50	103	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	92	63-133
1,2-Dichloroethane-d4	92	76-130
luene-d8	99	80-111
omofluorobenzene	85	77-126

Type: BSD Lab ID: QC224545

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	43.65	87	72-125	3	20
Benzene	50.00	47.52	95	78-120	1	20
Trichloroethene	50.00	48.63	97	76-127	2	20
Toluene	50.00	51.78	104	79-120	1	20
Chlorobenzene	50.00	50.48	101	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	94	63-133
1,2-Dichloroethane-d4	96	76-130
Toluene-d8	100	80-111
Bromofluorobenzene	91	77-126

RPD= Relative Percent Difference

11.0

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	STANDARD	Analysis:	EPA 8082
Matrix:	Soil	Batch#:	84224
Units:	ug/Kg	Sampled:	09/04/03
Basis:	as received	Received:	09/04/03
Diln Fac:	1.000	Prepared:	09/04/03

Field ID: FLAG-1-0.5
Type: SAMPLE
Lab ID: 167361-001

Analyzed: 09/10/03
Cleanup Method: EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	97	12
Aroclor-1254	180	12
Aroclor-1260	150	12

Surrogate	%REC	Limits
TCMX	119	45-135
Decachlorobiphenyl	92	39-148

Field ID: FLAG-2-0.5
Type: SAMPLE
Lab ID: 167361-002

Analyzed: 09/10/03
Cleanup Method: EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	100	12
Aroclor-1260	190	12

Surrogate	%REC	Limits
TCMX	110	45-135
Decachlorobiphenyl	81	39-148

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	STANDARD	Analysis:	EPA 8082
Matrix:	Soil	Batch#:	84224
Units:	ug/Kg	Sampled:	09/04/03
Basis:	as received	Received:	09/04/03
Diln Fac:	1.000	Prepared:	09/04/03

Field ID:	FLAG-3-0.5	Analyzed:	09/10/03
Type:	SAMPLE	Cleanup Method:	EPA 3665A
Lab ID:	167361-003		

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	290	12
Aroclor-1260	420	12

Surrogate	%REC	Limits
TCMX	90	45-135
Decachlorobiphenyl	84	39-148

Type:	BLANK	Analyzed:	09/04/03
Lab ID:	QC224566	Cleanup Method:	EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	93	45-135
Decachlorobiphenyl	83	39-148

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	STANDARD	Analysis:	EPA 8082
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC224567	Batch#:	84224
Matrix:	Soil	Prepared:	09/04/03
Units:	ug/Kg	Analyzed:	09/04/03
Basis:	as received		

Cleanup Method: EPA 3665A

Analyte	Spiked	Result	%REC	Limits
Aroclor-1232	168.0	189.1	113	67-140

Surrogate	%REC	Limits
TCMX	114	45-135
Decachlorobiphenyl	98	39-148

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	STANDARD	Analysis:	EPA 8270C
Field ID:	FLAG-1-0.5	Batch#:	84241
Lab ID:	167361-001	Sampled:	09/04/03
Matrix:	Soil	Received:	09/04/03
Units:	ug/Kg	Prepared:	09/05/03
Basis:	as received	Analyzed:	09/05/03
Diln Fac:	10.00		

Analyte	Result	RL
Naphthalene	ND	500
Acenaphthylene	ND	500
Acenaphthene	ND	500
Fluorene	ND	500
Phenanthrene	ND	500
Anthracene	ND	500
Fluoranthene	ND	500
Pyrene	ND	500
Benzo(a)anthracene	ND	500
Chrysene	ND	500
nzo(b)fluoranthene	1,300	500
nzo(k)fluoranthene	ND	500
Benzo(a)pyrene	ND	500
Indeno(1,2,3-cd)pyrene	ND	500
Dibenz(a,h)anthracene	ND	500
Benzo(g,h,i)perylene	ND	500

Surrogate	%REC	Limits
Nitrobenzene-d5	105	27-120
2-Fluorobiphenyl	106	33-121
Terphenyl-d14	92	20-125

Not Detected
RL= Reporting Limit

1.0

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	STANDARD	Analysis:	EPA 8270C
Field ID:	FLAG-2-0.5	Batch#:	84241
Lab ID:	167361-002	Sampled:	09/04/03
Matrix:	Soil	Received:	09/04/03
Units:	ug/Kg	Prepared:	09/05/03
Basis:	as received	Analyzed:	09/05/03
Diln Fac:	5.000		

Analyte	Result	RL
Naphthalene	ND	250
Acenaphthylene	ND	250
Acenaphthene	ND	250
Fluorene	ND	250
Phenanthrene	ND	250
Anthracene	ND	250
Fluoranthene	ND	250
Pyrene	930	250
Benzo(a)anthracene	ND	250
Chrysene	310	250
Benzo(b)fluoranthene	790	250
Benzo(k)fluoranthene	280	250
Benzo(a)pyrene	400	250
Indeno(1,2,3-cd)pyrene	ND	250
Dibenz(a,h)anthracene	ND	250
Benzo(g,h,i)perylene	270	250

Surrogate	%REC	Limits
Nitrobenzene-d5	106	27-120
2-Fluorobiphenyl	108	33-121
Terphenyl-d14	98	20-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	STANDARD	Analysis:	EPA 8270C
Field ID:	FLAG-3-0.5	Batch#:	84241
Lab ID:	167361-003	Sampled:	09/04/03
Matrix:	Soil	Received:	09/04/03
Units:	ug/Kg	Prepared:	09/05/03
Basis:	as received	Analyzed:	09/05/03
Diln Fac:	10.00		

Analyte	Result	RL
Naphthalene	ND	500
Acenaphthylene	ND	500
Acenaphthene	ND	500
Fluorene	ND	500
Phenanthrene	ND	500
Anthracene	ND	500
Fluoranthene	650	500
Pyrene	830	500
Benzo(a)anthracene	ND	500
Chrysene	520	500
Benzo(b)fluoranthene	1,500	500
Benzo(k)fluoranthene	ND	500
Benzo(a)pyrene	ND	500
Indeno(1,2,3-cd)pyrene	ND	500
Dibenz(a,h)anthracene	ND	500
Benzo(g,h,i)perylene	ND	500

Surrogate	%REC	Limits
Nitrobenzene-d5	107	27-120
2-Fluorobiphenyl	108	33-121
Terphenyl-d14	99	20-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	STANDARD	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC224623	Batch#:	84241
Matrix:	Soil	Prepared:	09/05/03
Units:	ug/Kg	Analyzed:	09/05/03
Basis:	as received		

Analyte	Result	RL
Naphthalene	ND	50
Acenaphthylene	ND	50
Acenaphthene	ND	50
Fluorene	ND	50
Phenanthrene	ND	50
Anthracene	ND	50
Fluoranthene	ND	50
Pyrene	ND	50
Benzo(a)anthracene	ND	50
Chrysene	ND	50
Benzo(b)fluoranthene	ND	50
Benzo(k)fluoranthene	ND	50
Benzo(a)pyrene	ND	50
Indeno(1,2,3-cd)pyrene	ND	50
Dibenz(a,h)anthracene	ND	50
Benzo(g,h,i)perylene	ND	50

Surrogate	%REC	Limits
Nitrobenzene-d5	102	27-120
2-Fluorobiphenyl	97	33-121
Terphenyl-d14	88	20-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	STANDARD	Analysis:	EPA 8270C
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC224624	Batch#:	84241
Matrix:	Soil	Prepared:	09/05/03
Units:	ug/Kg	Analyzed:	09/05/03
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Naphthalene	1,642	1,490	91	35-120
Acenaphthylene	1,642	1,529	93	34-120
Acenaphthene	1,642	1,547	94	38-120
Fluorene	1,642	1,517	92	36-120
Phenanthrene	1,642	1,555	95	37-120
Anthracene	1,642	1,527	93	36-120
Fluoranthene	1,642	1,519	93	40-120
Pyrene	1,642	1,561	95	33-120
Benzo(a)anthracene	1,642	1,540	94	36-120
Chrysene	1,642	1,561	95	37-120
Benzo(b)fluoranthene	1,642	1,339	82	31-120
nzo(k)fluoranthene	1,642	1,539	94	28-125
nzo(a)pyrene	1,642	1,511	92	30-120
Indeno(1,2,3-cd)pyrene	1,642	1,711	104	20-136
Dibenz(a,h)anthracene	1,642	1,760	107	25-137
Benzo(g,h,i)perylene	1,642	1,844	112	32-134

Surrogate	%REC	Limits
Nitrobenzene-d5	100	27-120
2-Fluorobiphenyl	101	33-121
Terphenyl-d14	91	20-125

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	STANDARD	Analysis:	EPA 8270C
Field ID:	FLAG-2-0.5	Batch#:	84241
MSS Lab ID:	167361-002	Sampled:	09/04/03
Matrix:	Soil	Received:	09/04/03
Units:	ug/Kg	Prepared:	09/05/03
Basis:	as received	Analyzed:	09/05/03
Diln Fac:	5.000		

Type: MS Lab ID: QC224625

Analyte	MSS Result	Spiked	Result	%REC	Limits
Naphthalene	<110.0	1,657	1,522	92	26-120
Acenaphthylene	<70.00	1,657	1,613	97	25-12
Acenaphthene	<67.00	1,657	1,525	92	20-12
Fluorene	<72.00	1,657	1,463	88	21-12
Phenanthrene	138.6	1,657	1,596	88	16-130
Anthracene	82.69	1,657	1,558	89	23-127
Fluoranthene	220.2	1,657	1,627	85	34-13
Pyrene	932.9	1,657	1,932	60	31-14
Benzo(a)anthracene	143.5	1,657	1,569	86	21-121
Chrysene	310.8	1,657	1,615	79	15-122
Benzo(b)fluoranthene	792.5	1,657	1,926	68	17-12
Benzo(k)fluoranthene	279.5	1,657	1,822	93	29-13
Benzo(a)pyrene	404.1	1,657	1,623	74	21-12
Indeno(1,2,3-cd)pyrene	198.6	1,657	1,135	57	15-147
Dibenz(a,h)anthracene	<71.00	1,657	1,159	70	18-140
Benzo(g,h,i)perylene	271.1	1,657	1,104	50	

Surrogate	%REC	Limits
Nitrobenzene-d5	99	27-120
2-Fluorobiphenyl	98	33-121
Terphenyl-d14	89	20-125

Type: MSD Lab ID: QC224626

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Naphthalene	1,677	1,853	110	26-120	18	34
Acenaphthylene	1,677	2,031	121 *	25-120	22	34
Acenaphthene	1,677	1,757	105	20-126	13	35
Fluorene	1,677	1,749	104	21-121	17	36
Phenanthrene	1,677	1,902	105	16-130	16	40
Anthracene	1,677	1,862	106	23-127	17	34
Fluoranthene	1,677	1,995	106	34-133	19	41
Pyrene	1,677	2,681	104	31-142	32	42
Benzo(a)anthracene	1,677	1,976	109	21-121	22	36
Chrysene	1,677	2,157	110	15-122	28	38
Benzo(b)fluoranthene	1,677	2,346	93	17-126	19	38
Benzo(k)fluoranthene	1,677	2,473	131	29-131	29	47
Benzo(a)pyrene	1,677	2,255	110	21-127	32	46
Indeno(1,2,3-cd)pyrene	1,677	1,346	68	15-147	16	39
Dibenz(a,h)anthracene	1,677	1,291	77	18-140	10	49
Benzo(g,h,i)perylene	1,677	1,322	63	15-135	17	46

Surrogate	%REC	Limits
Nitrobenzene-d5	109	27-120
2-Fluorobiphenyl	110	33-121
Terphenyl-d14	99	20-125

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

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167361	Project#:	STANDARD
Client:	LFR Levine Fricke	Location:	Westside/Alta
Field ID:	FLAG-1-0.5	Basis:	as received
Lab ID:	167361-001	Diln Fac:	1.000
Matrix:	Soil	Sampled:	09/04/03
Units:	mg/Kg	Received:	09/04/03

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	2.9	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Arsenic	3.5	0.24	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Barium	380	0.48	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Beryllium	0.15	0.096	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Cadmium	ND	0.24	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Chromium	14	0.48	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Cobalt	4.1	0.96	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Copper	24	0.48	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Lead	88	0.14	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Mercury	0.34	0.020	84322	09/08/03	09/08/03	METHOD	EPA 7471
Molybdenum	ND	0.96	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Nickel	21	0.96	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Selenium	0.53	0.24	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Silver	ND	0.24	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Thallium	3.2	0.24	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Vanadium	16	0.48	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Zinc	120	0.96	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B

Not Detected
L= Reporting Limit

17.0

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167361	Project#:	STANDARD
Client:	LFR Levine Fricke	Location:	Westside/Alta
Field ID:	FLAG-2-0.5	Basis:	as received
Lab ID:	167361-002	Diln Fac:	1.000
Matrix:	Soil	Sampled:	09/04/03
Units:	mg/Kg	Received:	09/04/03

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	2.8	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Arsenic	9.8	0.23	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Barium	200	0.47	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Beryllium	0.21	0.094	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Cadmium	ND	0.23	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Chromium	24	0.47	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Cobalt	7.8	0.94	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Copper	16	0.47	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Lead	100	0.14	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Mercury	0.19	0.019	84322	09/08/03	09/08/03	METHOD	EPA 7471
Molybdenum	ND	0.94	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Nickel	34	0.94	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Selenium	0.50	0.23	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Silver	ND	0.23	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Thallium	3.3	0.23	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Vanadium	19	0.47	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Zinc	63	0.94	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167361	Project#:	STANDARD
Client:	LFR Levine Fricke	Location:	Westside/Alta
Field ID:	FLAG-3-0.5	Basis:	as received
Lab ID:	167361-003	Diln Fac:	1.000
Matrix:	Soil	Sampled:	09/04/03
Units:	mg/Kg	Received:	09/04/03

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	2.8	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Arsenic	3.0	0.24	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Barium	190	0.47	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Beryllium	0.13	0.094	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Cadmium	ND	0.24	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Chromium	27	0.47	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Cobalt	6.7	0.94	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Copper	30	0.47	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Lead	59	0.14	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Mercury	0.16	0.019	84322	09/08/03	09/08/03	METHOD	EPA 7471
Molybdenum	ND	0.94	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Nickel	40	0.94	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Selenium	0.73	0.24	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Silver	ND	0.24	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Thallium	3.9	0.24	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Vanadium	20	0.47	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B
Zinc	110	0.94	84342	09/09/03	09/10/03	EPA 3050	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7471
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC224945	Batch#:	84322
Matrix:	Soil	Prepared:	09/08/03
Units:	mg/Kg	Analyzed:	09/08/03

Result	RL
ND	0.020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 3050
Project#:	STANDARD	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC225023	Batch#:	84342
Matrix:	Soil	Prepared:	09/09/03
Units:	mg/Kg	Analyzed:	09/10/03
Basis:	as received		

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7471
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84322
Units:	mg/Kg	Prepared:	09/08/03
Basis:	as received	Analyzed:	09/08/03

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC224946	0.5000	0.4940	99	80-120		
BSD	QC224947	0.5000	0.5230	105	80-120	6	20

RPD= Relative Percent Difference

22.0

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167361	Location:	Westside/Alta
Client:	LFR Levine Fricke	Prep:	EPA 3050
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	84342
Units:	mg/Kg	Prepared:	09/09/03
Basis:	as received	Analyzed:	09/10/03
Diln Fac:	1.000		

Type: BS Lab ID: QC225024

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	113.0	113	73-134
Arsenic	50.00	46.65	93	74-120
Barium	100.0	92.00	92	72-120
Beryllium	2.500	2.325	93	74-120
Cadmium	10.00	8.700	87	72-120
Chromium	100.0	91.00	91	74-120
Cobalt	25.00	21.90	88	70-120
Copper	12.50	11.60	93	70-120
Lead	100.0	86.50	87	71-120
Molybdenum	20.00	19.20	96	76-120
Nickel	25.00	22.10	88	72-120
Selenium	50.00	44.45	89	66-120
Silver	10.00	9.050	91	66-120
Thallium	50.00	43.10	86	69-120
Vanadium	25.00	23.10	92	74-120
Zinc	25.00	22.50	90	68-120

Type: BSD Lab ID: QC225025

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	113.5	114	73-134	0	20
Arsenic	50.00	46.75	94	74-120	0	20
Barium	100.0	93.00	93	72-120	1	20
Beryllium	2.500	2.355	94	74-120	1	20
Cadmium	10.00	8.750	88	72-120	1	20
Chromium	100.0	92.50	93	74-120	2	20
Cobalt	25.00	22.20	89	70-120	1	20
Copper	12.50	11.80	94	70-120	2	20
Lead	100.0	87.50	88	71-120	1	20
Molybdenum	20.00	19.25	96	76-120	0	20
Nickel	25.00	22.40	90	72-120	1	20
Selenium	50.00	44.75	90	66-120	1	20
Silver	10.00	9.150	92	66-120	1	20
Thallium	50.00	43.20	86	69-120	0	20
Vanadium	25.00	23.55	94	74-120	2	20
Zinc	25.00	22.80	91	68-120	1	20

RPD= Relative Percent Difference

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: 02-OCT-03
Lab Job Number: 167659
Project ID: 001-09173-00
Location: WEST S. DR./ALTA

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.

11/1
JBP

Reviewed by: _____
Project Manager

Reviewed by: _____ for JB
Operations Manager

Curtis & Tompkins, Ltd.

Laboratory Numbers: **167659**
Client: **LFR Levine Fricke**
Project #: **001-09173-00**
Location: **WEST S. DR./ALTA**
COC#: **200733**

Sampled Date: **09/18/03**
Received Date: **09/18/03**

CASE NARRATIVE

This hardcopy data package contains sample and QC results for four soil samples, which were received from the site referenced above on September 18, 2003. The samples were received cold and intact.

TEH by (EPA 8015B):
No analytical problems were encountered.

VOCs by EPA 8260B):
No analytical problems were encountered.

Polynuclear Aromatics by GC/MS (EPA 8270C):
No analytical problems were encountered.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

SAMPLE COLLECTOR

LFR LEVINE·FRICKE

1900 Powell Street, 12th Floor
Emeryville, California 94608-1827
(510) 652-4500 Fax: (510) 652-2246

PROJECT NO.: 001-09173-00

PROJECT NAME: W58 St / Alta

SECTION:

DATE: 9-18-04

SAMPLER'S INITIALS: LBL

SAMPLER (Signature):

SERIAL Nº 200733

REMARKS

* VOCs: ☒ 8260 List ☐ 8240 List ☐ 8010 List ☐ 624 List

** Metals: ☒ CAM17 ☐ RCRA ☐ LUFT

	SAMPLE: Sample ID.	Date	Time	Lab Sample No.	No. of Containers	TYPE: Soil	TYPE: Water	ANALYSES: TPHd (EPA 8015M) W/RU	TPHg (EPA 8015M)	BTEX (EPA 8021/602)	VOCs (EPA 8260/624)*	Metals (EPA 6010/7000)**	PCB	8100						TAT: Standard	RUSH	HOLD	REMARKS
1	SSB-1-0.5	9-10	8:00		1	X		X			X	X	X	X						X			Result to
2	SSB-2-0.5	↓	845		1	X		X			X	X	X	X						X			LARRY
3	SSB-3-1.5	↓	9:00		1	X		X			X	X	X	X						X			
4	SSD-1	↓	9:10		1	X		X			X	X	X	X						X			LAPUYADE

Cold & intact
TD 9/18/03

SAMPLE RECEIPT: ☐ Intact ☐ Cold ☐ On Ice ☐ Ambient

Cooler Temp:

Cooler No:

Preservative Correct? ☐ Yes ☐ No ☐ N/A

ANALYTICAL LABORATORY: C&T

METHOD OF SHIPMENT: Hand Deliver

LAB REPORT NO.:

FAX COC CONFIRMATION TO:

FAX RESULTS TO:

SEND HARDCOPY TO:

SEND EDD TO: EMV.LABEDDS.COM

RELINQUISHED BY: 1	RELINQUISHED BY: 2	RELINQUISHED BY: 3
(SIGNATURE) [signature] (DATE) 9-18-03	(SIGNATURE) (DATE)	(SIGNATURE) (DATE)
(PRINTED NAME) LARRY LAPUYADE (TIME) 9:30	(PRINTED NAME) (TIME)	(PRINTED NAME) (TIME)
(COMPANY) LFR LEVINE · FRICKE	(COMPANY)	(COMPANY)

RECEIVED BY: 1	RECEIVED BY: 2	RECEIVED BY (LABORATORY): 3
(SIGNATURE) (DATE)	(SIGNATURE) (DATE)	(SIGNATURE) [signature] (DATE) 9/18/03
(PRINTED NAME) (TIME)	(PRINTED NAME) (TIME)	(PRINTED NAME) Steven Stanley (TIME) 1030
(COMPANY)	(COMPANY)	(LABORATORY) C&T

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

FORM NO: 2001/COC/SXS

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09173-00	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	09/18/03
Units:	mg/Kg	Received:	09/18/03
Basis:	as received	Prepared:	09/19/03
Batch#:	84676		

Field ID: SSB-1-0.5
Type: SAMPLE
Lab ID: 167659-001
Diln Fac: 10.00
Analyzed: 09/22/03

Analyte	Result	RL
Diesel C10-C24	190 H Y	10
Motor Oil C24-C36	800	50

Surrogate	%REC	Limits
Hexacosane	DO	36-141

Field ID: SSB-2-0.5
Type: SAMPLE
Lab ID: 167659-002
Diln Fac: 20.00
Analyzed: 09/20/03

Analyte	Result	RL
Diesel C10-C24	470 H Y	20
Motor Oil C24-C36	2,000	100

Surrogate	%REC	Limits
Hexacosane	DO	36-141

Field ID: SSB-3-1.5
Type: SAMPLE
Lab ID: 167659-003
Diln Fac: 1.000
Analyzed: 09/20/03

Analyte	Result	RL
Diesel C10-C24	280 H	1.0
Motor Oil C24-C36	260 L	5.0

Surrogate	%REC	Limits
Hexacosane	107	36-141

Field ID: SSD-1
Type: SAMPLE
Lab ID: 167659-004
Diln Fac: 20.00
Analyzed: 09/20/03

Analyte	Result	RL
Diesel C10-C24	4,000 H	20
Motor Oil C24-C36	3,200 L	100

Surrogate	%REC	Limits
Hexacosane	DO	36-141

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09173-00	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	09/18/03
Units:	mg/Kg	Received:	09/18/03
Basis:	as received	Prepared:	09/19/03
Batch#:	84676		

Type:	BLANK	Analyzed:	09/22/03
Lab ID:	QC226360	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

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

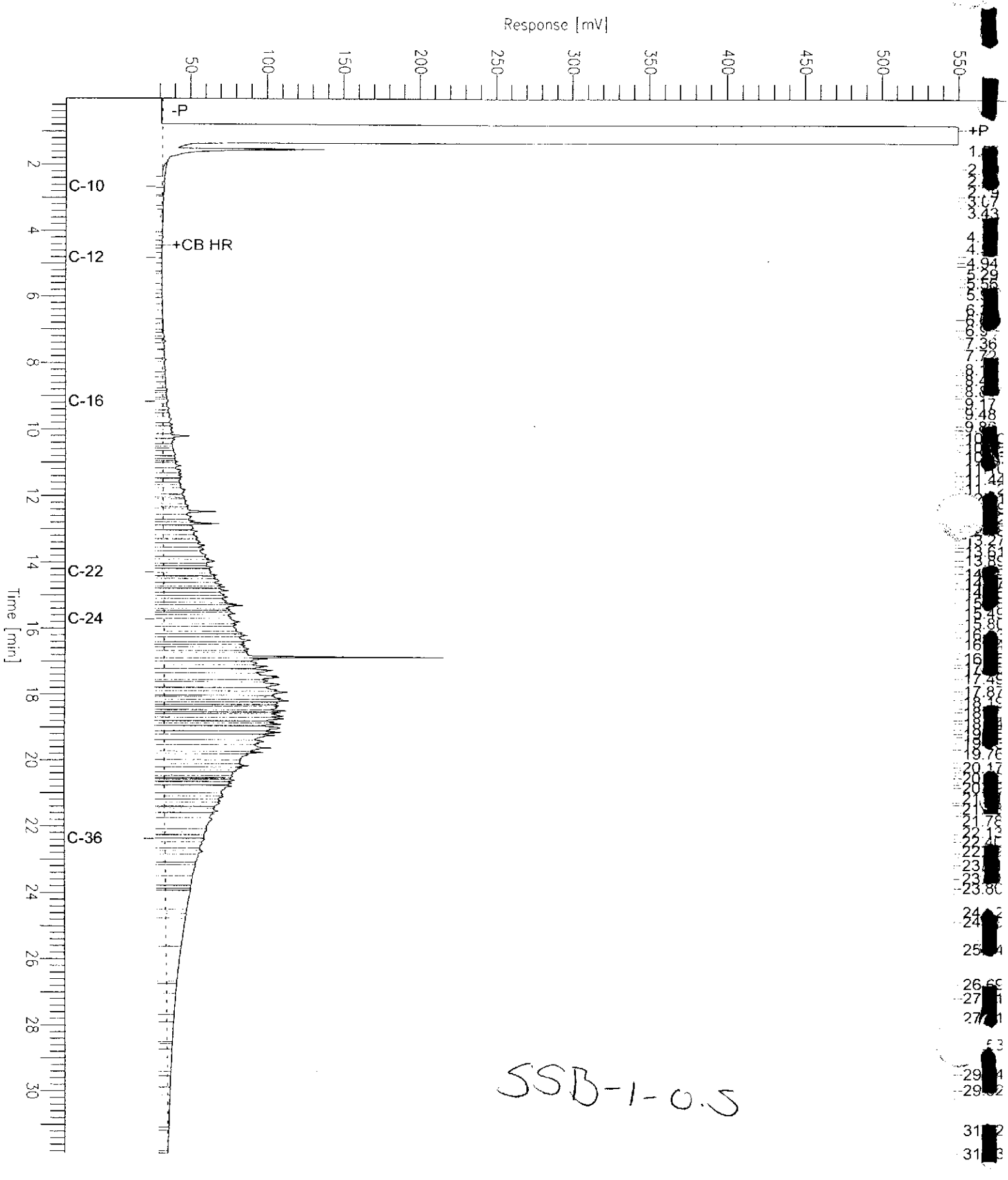
Surrogate	%REC	Limits
Hexacosane	101	36-141

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

Chromatogram

Sample Name : 167659-001,84676
FileName : G:\GC11\CHA\265A006.RAW
Method : ATEH261.MTH
Start Time : 0.01 min End Time : 31.87 min
Scale Factor: 0.0 Plot Offset: 27 mV

Sample #: 84676
Date : 9/22/03 01:40 PM
Time of Injection: 9/22/03 12:58 PM
Low Point : 27.35 mV High Point : 550.08 mV
Plot Scale: 522.7 mV

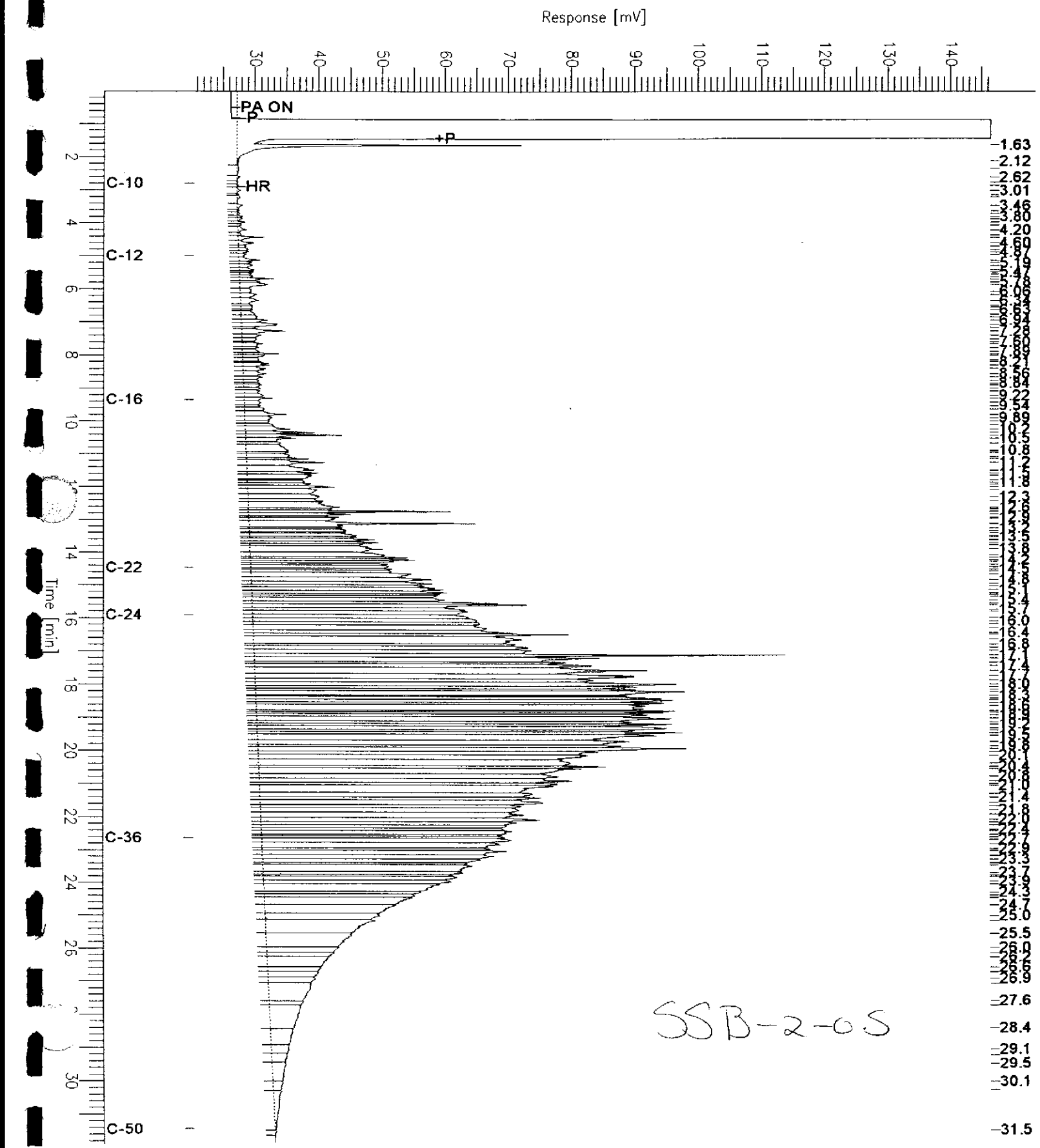


SSB-1-0.5

Chromatogram

Sample Name : 167659-002,84676
FileName : G:\GC17\CHA\262A042.RAW
Method : ATEH262.MTH
Start Time : 0.01 min End Time : 31.91 min
Slope Factor: 0.0 Plot Offset: 21 mV

Sample #: 84676 Page 1 of 1
Date : 9/21/03 02:56 PM
Time of Injection: 9/20/03 05:28 PM
Low Point : 20.50 mV High Point : 146.47 mV
Plot Scale: 126.0 mV

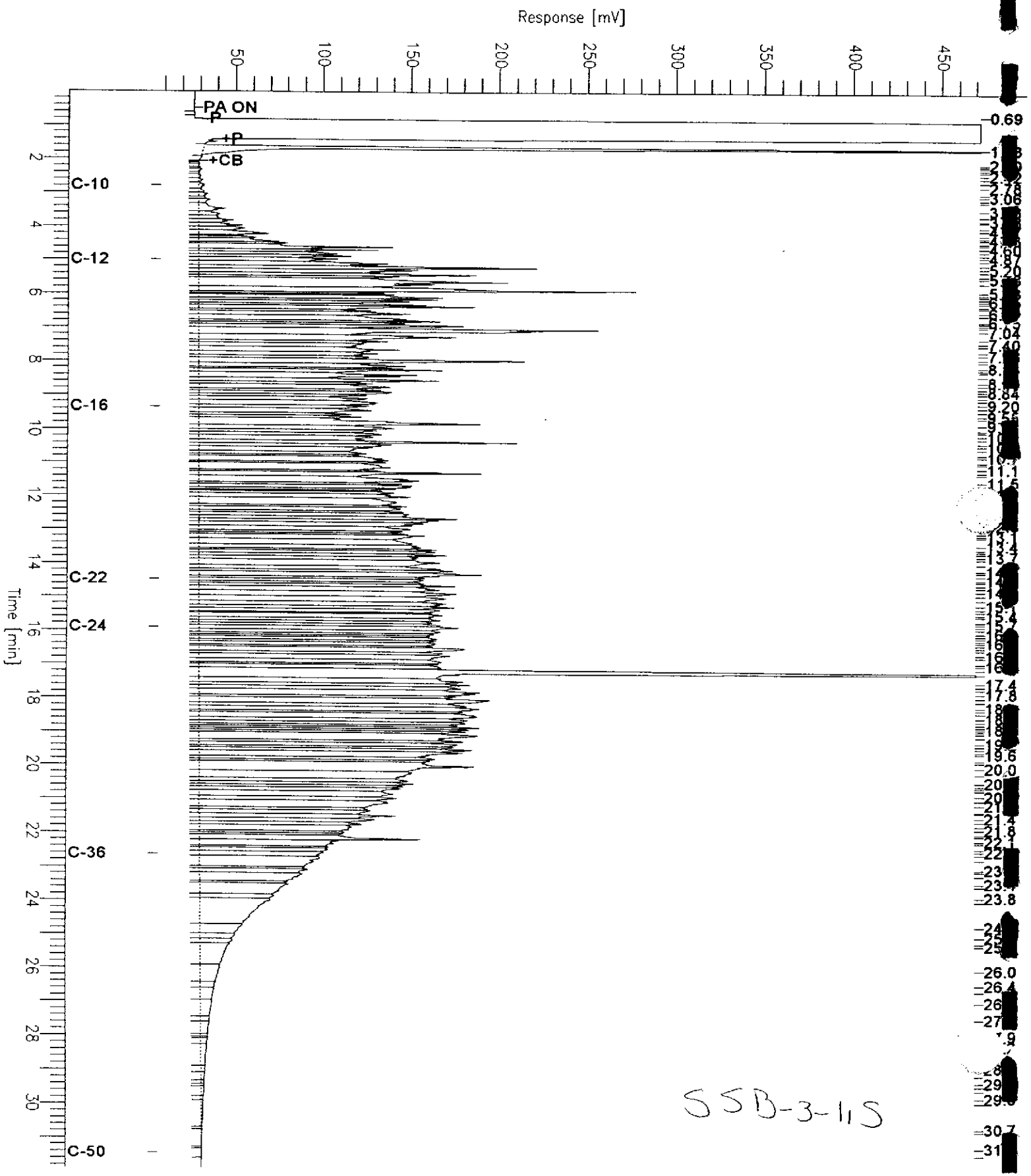


SSB-2-05

Chromatogram

Sample Name : 167659-003,84676
FileName : G:\GC17\CHA\262A041.RAW
Method : ATEH262.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 8 mV

Sample #: 84676
Date : 9/21/03 02:55 PM
Time of Injection: 9/20/03 04:48 PM
Low Point : 7.62 mV High Point : 472.39 mV
Plot Scale: 464.8 mV

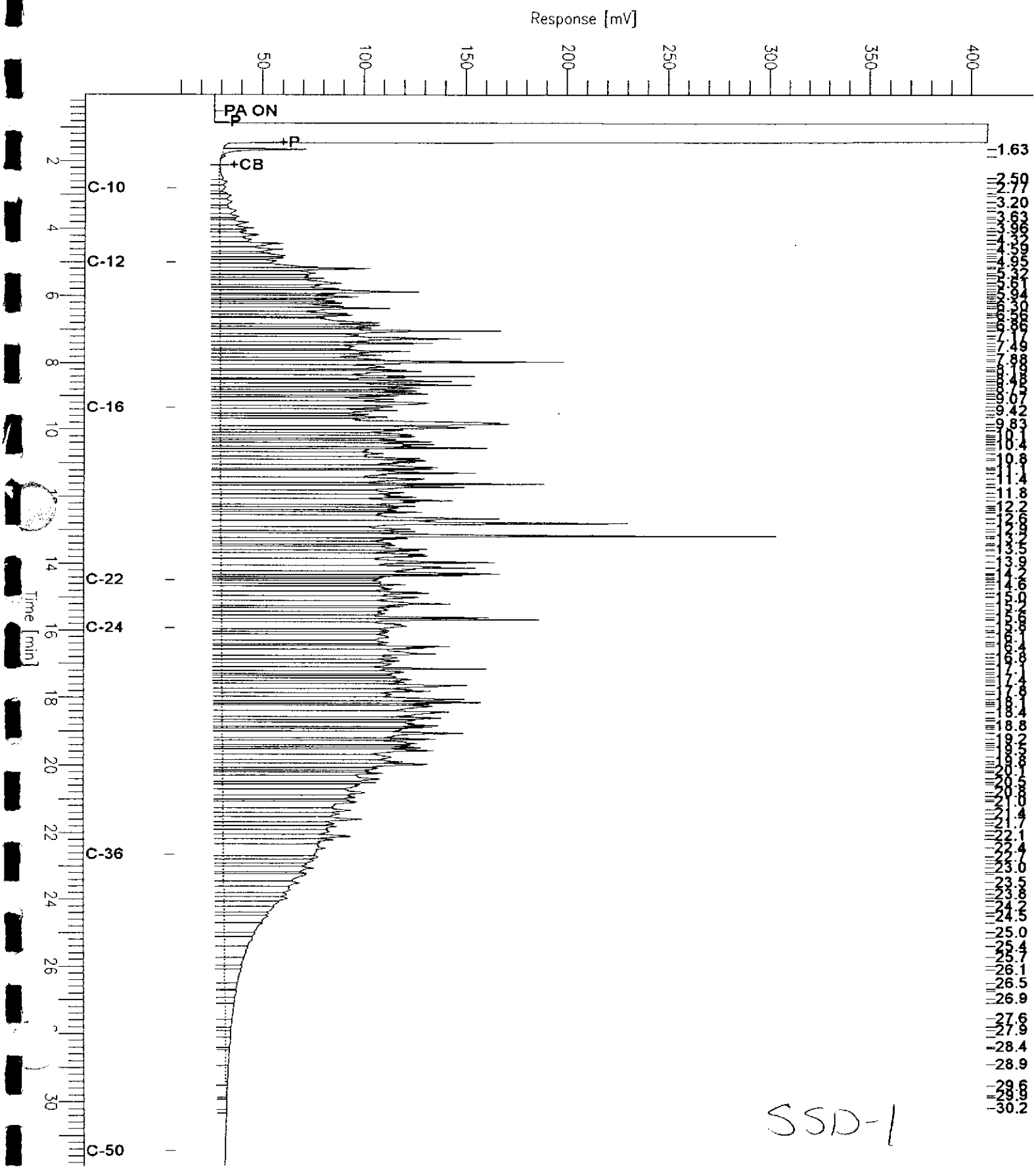


SSB-3-115

Chromatogram

Sample Name : 167659-004,84676
FileName : G:\GC17\CHA\262A043.RAW
Method : ATEH262.MTH
[redacted]t Time : 0.01 min End Time : 31.91 min
[redacted]e Factor: 0.0 Plot Offset: 8 mV

Sample #: 84676 Page 1 of 1
Date : 9/21/03 02:57 PM
Time of Injection: 9/20/03 06:09 PM
Low Point : 7.71 mV High Point : 408.19 mV
Plot Scale: 400.5 mV

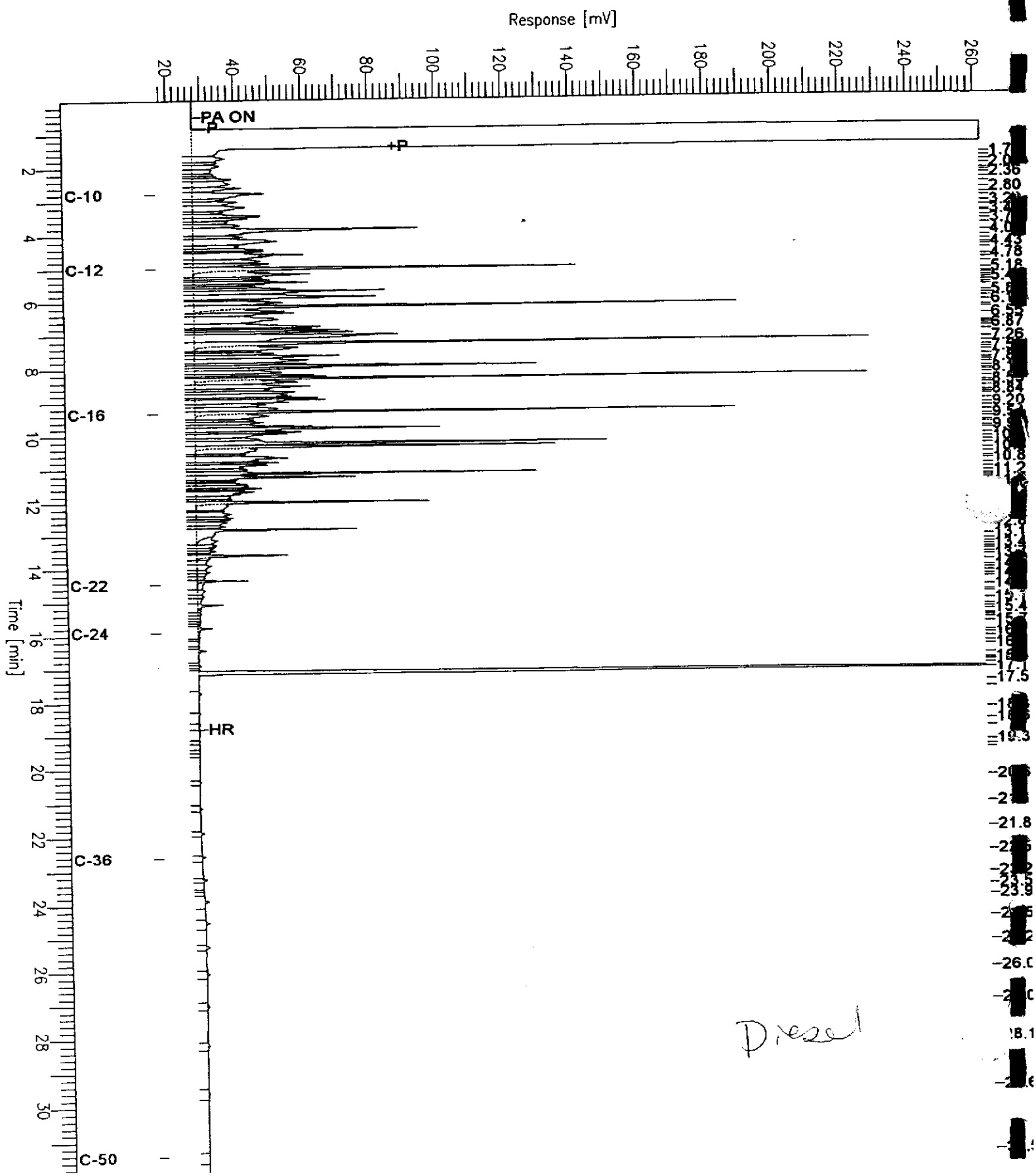


SSD-1

Chromatogram

ample Name : ccv,03ws1374,dsl
ileName : G:\GC17\CHA\265A002.RAW
ethod : ATEH262.MTH
tart Time : 0.01 min End Time : 31.91 min
cale Factor: 0.0 Plot Offset: 17 mV

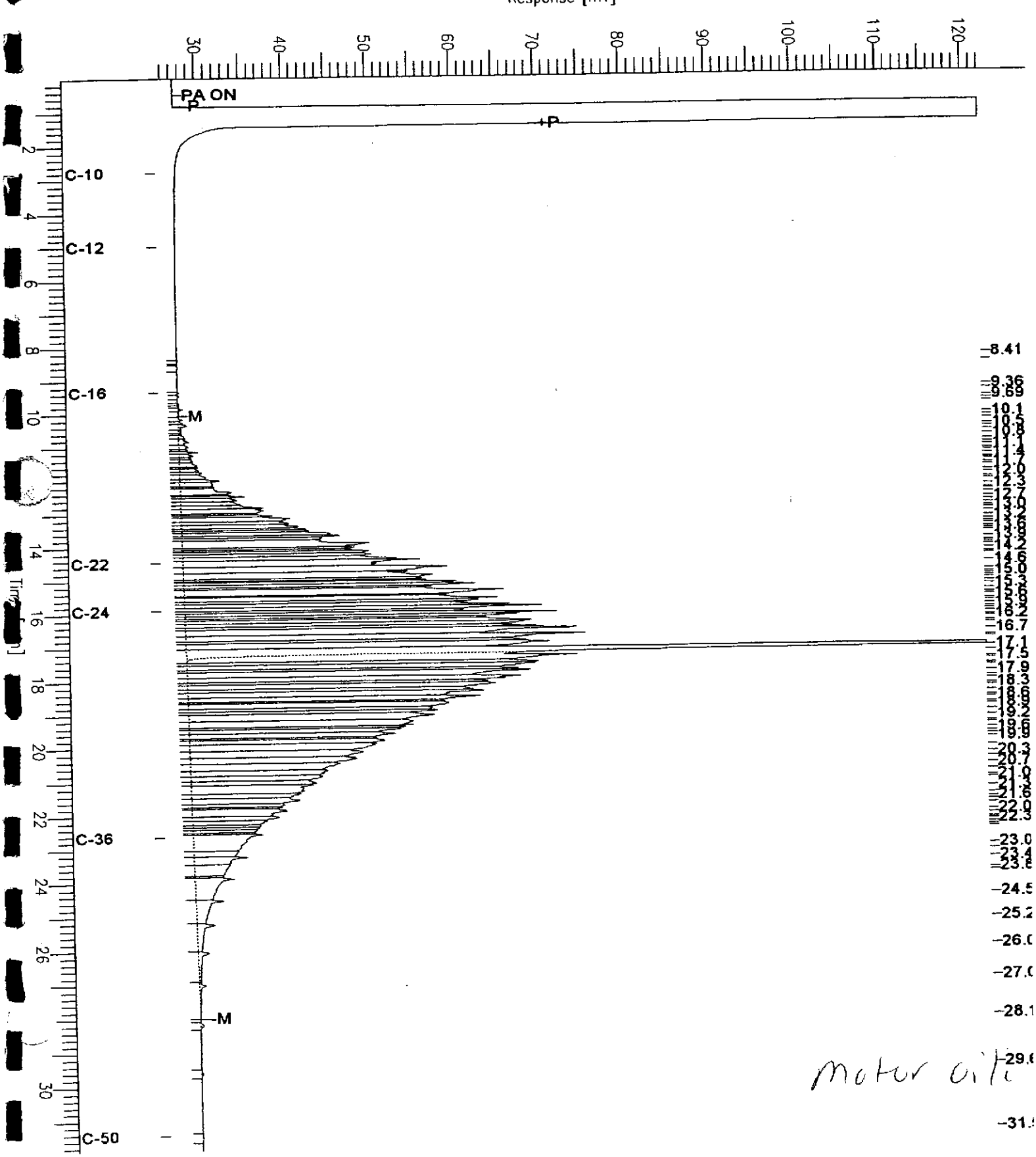
Sample #: 500mg/L
Date : 9/22/03 10:47 AM
Time of Injection: 9/22/03 09:31 AM
Low Point : 16.74 mV High Point : 261.94 mV
Plot Scale: 245.2 mV



Chromatogram

le Name : ccv,03ws1389,mo
Name : G:\GC17\CHA\265A003.RAW
: ATEH262.MTH
me : 0.01 min End Time : 31.91 min
actor: 0.0 Plot Offset: 25 mV

Sample #: 500mg/L
Date : 9/22/03 10:48 AM
Time of Injection: 9/22/03 10:12 AM
Low Point : 25.32 mV High Point : 122.07 mV
Plot Scale: 96.7 mV



motor oil

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09173-00	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC226361	Batch#:	84676
Matrix:	Soil	Prepared:	09/19/03
Units:	mg/Kg	Analyzed:	09/22/03
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.04	45.47	91	49-129

Surrogate	%REC	Limits
Hexacosane	104	36-141

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Field ID:	SSB-1-0.5	Diln Fac:	1.000
Lab ID:	167659-001	Batch#:	84630
Matrix:	Soil	Sampled:	09/18/03
Units:	ug/Kg	Received:	09/18/03
Basis:	as received	Analyzed:	09/18/03

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Field ID:	SSB-1-0.5	Diln Fac:	1.000
Lab ID:	167659-001	Batch#:	84630
Matrix:	Soil	Sampled:	09/18/03
Units:	ug/Kg	Received:	09/18/03
Basis:	as received	Analyzed:	09/18/03

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

Surrogate	%REC	Limits
Dibromofluoromethane	91	63-133
1,2-Dichloroethane-d4	87	76-130
Toluene-d8	95	80-111
Bromofluorobenzene	106	77-126

ND= Not Detected
RL= Reporting Limit

1.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Field ID:	SSB-2-0.5	Diln Fac:	0.9615
Lab ID:	167659-002	Batch#:	84630
Matrix:	Soil	Sampled:	09/18/03
Units:	ug/Kg	Received:	09/18/03
Basis:	as received	Analyzed:	09/18/03

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

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Field ID:	SSB-2-0.5	Diln Fac:	0.9615
Lab ID:	167659-002	Batch#:	84630
Matrix:	Soil	Sampled:	09/18/03
Units:	ug/Kg	Received:	09/18/03
Basis:	as received	Analyzed:	09/18/03

Analyte	Result	RL
Dibromochloromethane	ND	4.8
1,2-Dibromoethane	ND	4.8
Chlorobenzene	ND	4.8
1,1,1,2-Tetrachloroethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8
Styrene	ND	4.8
Bromoform	ND	4.8
Isopropylbenzene	ND	4.8
1,1,2,2-Tetrachloroethane	ND	4.8
1,2,3-Trichloropropane	ND	4.8
Propylbenzene	ND	4.8
Bromobenzene	ND	4.8
1,3,5-Trimethylbenzene	ND	4.8
2-Chlorotoluene	ND	4.8
4-Chlorotoluene	ND	4.8
tert-Butylbenzene	ND	4.8
1,2,4-Trimethylbenzene	ND	4.8
sec-Butylbenzene	ND	4.8
para-Isopropyl Toluene	ND	4.8
1,3-Dichlorobenzene	ND	4.8
1,4-Dichlorobenzene	ND	4.8
n-Butylbenzene	ND	4.8
1,2-Dichlorobenzene	ND	4.8
1,2-Dibromo-3-Chloropropane	ND	4.8
1,2,4-Trichlorobenzene	ND	4.8
Hexachlorobutadiene	ND	4.8
Naphthalene	42	4.8
1,2,3-Trichlorobenzene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	98	63-133
1,2-Dichloroethane-d4	93	76-130
Toluene-d8	95	80-111
Bromofluorobenzene	106	77-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Field ID:	SSB-3-1.5	Diln Fac:	1.000
Lab ID:	167659-003	Batch#:	84630
Matrix:	Soil	Sampled:	09/18/03
Units:	ug/Kg	Received:	09/18/03
Basis:	as received	Analyzed:	09/18/03

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	21	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Field ID:	SSB-3-1.5	Diln Fac:	1.000
Lab ID:	167659-003	Batch#:	84630
Matrix:	Soil	Sampled:	09/18/03
Units:	ug/Kg	Received:	09/18/03
Basis:	as received	Analyzed:	09/18/03

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

Surrogate	%REC	Limits
Dibromofluoromethane	98	63-133
1,2-Dichloroethane-d4	88	76-130
Toluene-d8	99	80-111
Bromofluorobenzene	99	77-126

ND= Not Detected
RL= Reporting Limit

3.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Field ID:	SSD-1	Diln Fac:	1.000
Lab ID:	167659-004	Batch#:	84630
Matrix:	Soil	Sampled:	09/18/03
Units:	ug/Kg	Received:	09/18/03
Basis:	as received	Analyzed:	09/18/03

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Field ID:	SSD-1	Diln Fac:	1.000
Lab ID:	167659-004	Batch#:	84630
Matrix:	Soil	Sampled:	09/18/03
Units:	ug/Kg	Received:	09/18/03
Basis:	as received	Analyzed:	09/18/03

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	24	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	6.8	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	76	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	90	63-133
1,2-Dichloroethane-d4	83	76-130
Toluene-d8	93	80-111
Bromofluorobenzene	124	77-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC226167	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84630
Units:	ug/Kg	Analyzed:	09/18/03

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

ND= Not Detected
RL= Reporting Limit

6.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC226167	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84630
Units:	ug/Kg	Analyzed:	09/18/03

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

Surrogate	%REC	Limits
Dibromofluoromethane	91	63-133
1,2-Dichloroethane-d4	83	76-130
Toluene-d8	94	80-111
Bromofluorobenzene	97	77-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC226168	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84630
Units:	ug/Kg	Analyzed:	09/18/03

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

Not Detected
RL= Reporting Limit

7.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC226168	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84630
Units:	ug/Kg	Analyzed:	09/18/03

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

Surrogate	%REC	Limits
Dibromofluoromethane	92	63-133
1,2-Dichloroethane-d4	87	76-130
Toluene-d8	96	80-111
Bromofluorobenzene	97	77-126

ND= Not Detected
RL= Reporting Limit

7.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC226164	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84630
Units:	ug/Kg	Analyzed:	09/18/03

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	48.30	97	72-125
Benzene	50.00	47.53	95	78-120
Trichloroethene	50.00	48.10	96	76-127
Toluene	50.00	46.83	94	79-120
Chlorobenzene	50.00	49.43	99	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	85	63-133
1,2-Dichloroethane-d4	78	76-130
Toluene-d8	94	80-111
Bromofluorobenzene	95	77-126

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Field ID:	SSB-1-0.5	Diln Fac:	1.000
MSS Lab ID:	167659-001	Batch#:	84630
Matrix:	Soil	Sampled:	09/18/03
Units:	ug/Kg	Received:	09/18/03
Basis:	as received	Analyzed:	09/19/03

Type: MS Lab ID: QC226257

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.1400	50.00	39.17	78	53-135
Benzene	<0.05800	50.00	36.71	73	55-121
Trichloroethene	<0.1100	50.00	32.80	66	46-149
Toluene	<0.1800	50.00	33.27	67	44-129
Chlorobenzene	<0.07700	50.00	28.92	58	48-121

Surrogate	%REC	Limits
Dibromofluoromethane	93	63-133
1,2-Dichloroethane-d4	84	76-130
Toluene-d8	96	80-111
Bromofluorobenzene	99	77-126

Type: MSD Lab ID: QC226258

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	39.82	80	53-135	2	20
Benzene	50.00	37.66	75	55-121	3	20
Trichloroethene	50.00	36.03	72	46-149	9	20
Toluene	50.00	35.36	71	44-129	6	20
Chlorobenzene	50.00	32.50	65	48-121	12	20

Surrogate	%REC	Limits
Dibromofluoromethane	93	63-133
1,2-Dichloroethane-d4	86	76-130
Toluene-d8	95	80-111
Bromofluorobenzene	102	77-126

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	001-09173-00	Analysis:	EPA 8270C
Field ID:	SSB-1-0.5	Batch#:	84658
Lab ID:	167659-001	Sampled:	09/18/03
Matrix:	Soil	Received:	09/18/03
Units:	ug/Kg	Prepared:	09/19/03
Basis:	as received	Analyzed:	09/19/03
Diln Fac:	10.00		

Analyte	Result	RL
Naphthalene	ND	500
Acenaphthylene	ND	500
Acenaphthene	ND	500
Fluorene	ND	500
Phenanthrene	ND	500
Anthracene	ND	500
Fluoranthene	ND	500
Pyrene	700	500
Benzo(a)anthracene	ND	500
Chrysene	ND	500
Benzo(b)fluoranthene	1,500	500
Benzo(k)fluoranthene	ND	500
Benzo(a)pyrene	ND	500
Indeno(1,2,3-cd)pyrene	ND	500
Dibenz(a,h)anthracene	ND	500
Benzo(g,h,i)perylene	ND	500

Surrogate	%REC	Limits
Nitrobenzene-d5	90	27-120
2-Fluorobiphenyl	93	33-121
Terphenyl-d14	87	20-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	001-09173-00	Analysis:	EPA 8270C
Field ID:	SSB-2-0.5	Batch#:	84658
Lab ID:	167659-002	Sampled:	09/18/03
Matrix:	Soil	Received:	09/18/03
Units:	ug/Kg	Prepared:	09/19/03
Basis:	as received	Analyzed:	09/19/03
Diln Fac:	10.00		

Analyte	Result	RL
Naphthalene	ND	500
Acenaphthylene	ND	500
Acenaphthene	ND	500
Fluorene	ND	500
Phenanthrene	830	500
Anthracene	ND	500
Fluoranthene	1,300	500
Pyrene	1,900	500
Benzo(a)anthracene	710	500
Chrysene	1,100	500
Benzo(b)fluoranthene	550	500
Benzo(k)fluoranthene	830	500
Benzo(a)pyrene	830	500
Indeno(1,2,3-cd)pyrene	ND	500
Dibenz(a,h)anthracene	ND	500
Benzo(g,h,i)perylene	ND	500

Surrogate	%REC	Limits
Nitrobenzene-d5	82	27-120
2-Fluorobiphenyl	85	33-121
Terphenyl-d14	69	20-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	001-09173-00	Analysis:	EPA 8270C
Field ID:	SSB-3-1.5	Batch#:	84658
Lab ID:	167659-003	Sampled:	09/18/03
Matrix:	Soil	Received:	09/18/03
Units:	ug/Kg	Prepared:	09/19/03
Basis:	as received	Analyzed:	09/19/03
Diln Fac:	5.000		

Analyte	Result	RL
Naphthalene	ND	250
Acenaphthylene	ND	250
Acenaphthene	ND	250
Fluorene	ND	250
Phenanthrene	300	250
Anthracene	ND	250
Fluoranthene	ND	250
Pyrene	400	250
Benzo(a)anthracene	ND	250
Chrysene	300	250
Benzo(b)fluoranthene	740	250
Benzo(k)fluoranthene	ND	250
Benzo(a)pyrene	ND	250
Indeno(1,2,3-cd)pyrene	ND	250
Dibenz(a,h)anthracene	ND	250
Benzo(g,h,i)perylene	ND	250

Surrogate	%REC	Limits
Nitrobenzene-d5	98	27-120
2-Fluorobiphenyl	94	33-121
Terphenyl-d14	91	20-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	001-09173-00	Analysis:	EPA 8270C
Field ID:	SSD-1	Batch#:	84658
Lab ID:	167659-004	Sampled:	09/18/03
Matrix:	Soil	Received:	09/18/03
Units:	ug/Kg	Prepared:	09/19/03
Basis:	as received	Analyzed:	09/20/03
Diln Fac:	10.00		

Analyte	Result	RL
Naphthalene	ND	500
Acenaphthylene	2,200	500
Acenaphthene	1,300	500
Fluorene	4,800	500
Phenanthrene	550	500
Anthracene	4,900	500
Fluoranthene	10,000	500
Pyrene	29,000	500
Benzo(a)anthracene	7,400	500
Chrysene	8,700	500
Benzo(b)fluoranthene	3,100	500
Benzo(k)fluoranthene	4,500	500
Benzo(a)pyrene	6,300	500
Indeno(1,2,3-cd)pyrene	1,500	500
Dibenz(a,h)anthracene	870	500
Benzo(g,h,i)perylene	2,000	500

Surrogate	%REC	Limits
Nitrobenzene-d5	97	27-120
2-Fluorobiphenyl	95	33-121
Terphenyl-d14	95	20-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	001-09173-00	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC226293	Batch#:	84658
Matrix:	Soil	Prepared:	09/19/03
Units:	ug/Kg	Analyzed:	09/19/03
Basis:	as received		

Analyte	Result	RL
Naphthalene	ND	50
Acenaphthylene	ND	50
Acenaphthene	ND	50
Fluorene	ND	50
Phenanthrene	ND	50
Anthracene	ND	50
Fluoranthene	ND	50
Pyrene	ND	50
Benzo(a)anthracene	ND	50
Chrysene	ND	50
Benzo(b)fluoranthene	ND	50
Benzo(k)fluoranthene	ND	50
Benzo(a)pyrene	ND	50
Indeno(1,2,3-cd)pyrene	ND	50
Dibenz(a,h)anthracene	ND	50
Benzo(g,h,i)perylene	ND	50

Surrogate	%REC	Limits
Nitrobenzene-d5	94	27-120
2-Fluorobiphenyl	96	33-121
Terphenyl-d14	79	20-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	001-09173-00	Analysis:	EPA 8270C
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC226294	Batch#:	84658
Matrix:	Soil	Prepared:	09/19/03
Units:	ug/Kg	Analyzed:	09/19/03
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Naphthalene	1,678	1,454	87	35-120
Acenaphthylene	1,678	1,562	93	34-120
Acenaphthene	1,678	1,488	89	38-120
Fluorene	1,678	1,465	87	36-120
Phenanthrene	1,678	1,341	80	37-120
Anthracene	1,678	1,294	77	36-120
Fluoranthene	1,678	1,380	82	40-120
Pyrene	1,678	1,589	95	33-120
Benzo(a)anthracene	1,678	1,482	88	36-120
Chrysene	1,678	1,506	90	37-120
Benzo(b)fluoranthene	1,678	1,181	70	31-120
Benzo(k)fluoranthene	1,678	1,468	88	28-125
Benzo(a)pyrene	1,678	1,440	86	30-120
Indeno(1,2,3-cd)pyrene	1,678	1,538	92	20-136
Dibenz(a,h)anthracene	1,678	1,852	110	25-137
Benzo(g,h,i)perylene	1,678	1,805	108	32-134

Surrogate	%REC	Limits
Nitrobenzene-d5	102	27-120
2-Fluorobiphenyl	99	33-121
Terphenyl-d14	82	20-125

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167659	Project#:	001-09173-00
Client:	LFR Levine Fricke	Location:	WEST S. DR./ALTA
Field ID:	SSB-2-0.5	Basis:	as received
Lab ID:	167659-002	Sampled:	09/18/03
Matrix:	Soil	Received:	09/18/03
Units:	mg/Kg		

Analyte	Result	RL	Dil Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	2.5	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Arsenic	5.6	0.21	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Barium	330	0.42	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Beryllium	0.18	0.084	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Cadmium	2.2	0.21	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Chromium	43	0.42	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Cobalt	7.2	0.84	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Copper	240	0.42	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Lead	240	0.13	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Mercury	0.49	0.019	1.000	84746	09/23/03	09/23/03	METHOD	EPA 7471
Molybdenum	1.7	0.84	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Nickel	39	0.84	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Selenium	ND	0.21	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Silver	0.26	0.21	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Thallium	0.79	0.21	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Vanadium	24	0.42	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Zinc	260	4.2	5.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167659	Project#:	001-09173-00
Client:	LFR Levine Fricke	Location:	WEST S. DR./ALTA
Field ID:	SSB-3-1.5	Basis:	as received
Lab ID:	167659-003	Diln Fac:	1.000
Matrix:	Soil	Sampled:	09/18/03
Units:	mg/Kg	Received:	09/18/03

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	2.6	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Arsenic	2.4	0.22	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Barium	140	0.43	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Beryllium	0.29	0.086	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Cadmium	0.25	0.22	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Chromium	26	0.43	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Cobalt	4.6	0.86	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Copper	12	0.43	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Lead	14	0.13	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Mercury	0.079	0.019	84746	09/23/03	09/23/03	METHOD	EPA 7471
Molybdenum	ND	0.86	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Nickel	25	0.86	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Selenium	ND	0.22	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Silver	ND	0.22	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Thallium	0.23	0.22	84771	09/24/03	09/24/03	EPA 3050	EPA 6010
Vanadium	17	0.43	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Zinc	21	0.86	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B

ND= Not Detected
RL= Reporting Limit

20.0

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167659	Project#:	001-09173-00
Client:	LFR Levine Fricke	Location:	WEST S. DR./ALTA
Field ID:	SSD-1	Basis:	as received
Lab ID:	167659-004	Diln Fac:	1.000
Matrix:	Soil	Sampled:	09/18/03
Units:	mg/Kg	Received:	09/18/03

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	2.5	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Arsenic	13	0.21	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Barium	130	0.42	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Beryllium	0.44	0.085	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Cadmium	0.55	0.21	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Chromium	54	0.42	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Cobalt	15	0.85	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Copper	28	0.42	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Lead	5.2	0.13	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Mercury	0.18	0.019	84746	09/23/03	09/23/03	METHOD	EPA 7471
Molybdenum	ND	0.85	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Nickel	92	0.85	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Selenium	ND	0.21	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Silver	ND	0.21	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Thallium	1.1	0.21	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Vanadium	39	0.42	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Zinc	46	0.85	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09173-00	Analysis:	EPA 7471
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC226612	Batch#:	84746
Matrix:	Soil	Prepared:	09/23/03
Units:	mg/Kg	Analyzed:	09/23/03

Result	RL
ND	0.020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 3050
Project#:	001-09173-00	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC226691	Batch#:	84771
Matrix:	Soil	Prepared:	09/24/03
Units:	mg/Kg	Analyzed:	09/24/03
Basis:	as received		

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09173-00	Analysis:	EPA 7471
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84746
Units:	mg/Kg	Prepared:	09/23/03
Basis:	as received	Analyzed:	09/23/03

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC226613	0.5000	0.5130	103	80-120		
BSD	QC226614	0.5000	0.5320	106	80-120	4	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09173-00	Analysis:	EPA 7471
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	84746
MSS Lab ID:	167533-005	Sampled:	09/12/03
Matrix:	Soil	Received:	09/12/03
Units:	mg/Kg	Prepared:	09/23/03
Basis:	as received	Analyzed:	09/23/03

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC226615	0.04110	0.4545	0.5682	116	37-144		
MSD	QC226616		0.4386	0.5693	120	37-144	3	37

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 3050
Project#:	001-09173-00	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	84771
Units:	mg/Kg	Prepared:	09/24/03
Basis:	as received	Analyzed:	09/24/03
Diln Fac:	1.000		

Type: BS Lab ID: QC226692

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	111.0	111	73-134
Arsenic	50.00	45.90	92	74-120
Barium	100.0	94.50	95	72-120
Beryllium	2.500	2.290	92	74-120
Cadmium	10.00	8.700	87	72-120
Chromium	100.0	91.00	91	74-120
Cobalt	25.00	21.85	87	70-120
Copper	12.50	11.85	95	70-120
Lead	100.0	88.50	89	71-120
Molybdenum	20.00	19.15	96	76-120
Nickel	25.00	21.75	87	72-120
Selenium	50.00	41.75	84	66-120
Silver	10.00	9.050	91	66-120
Thallium	50.00	42.60	85	69-120
Vanadium	25.00	23.15	93	74-120
Zinc	25.00	21.60	86	68-120

Type: BSD Lab ID: QC226693

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	111.5	112	73-134	0	20
Arsenic	50.00	45.75	92	74-120	0	20
Barium	100.0	95.00	95	72-120	1	20
Beryllium	2.500	2.295	92	74-120	0	20
Cadmium	10.00	8.650	87	72-120	1	20
Chromium	100.0	91.50	92	74-120	1	20
Cobalt	25.00	21.95	88	70-120	0	20
Copper	12.50	11.95	96	70-120	1	20
Lead	100.0	89.50	90	71-120	1	20
Molybdenum	20.00	19.70	99	76-120	3	20
Nickel	25.00	22.05	88	72-120	1	20
Selenium	50.00	41.95	84	66-120	0	20
Silver	10.00	9.100	91	66-120	1	20
Thallium	50.00	43.35	87	69-120	2	20
Vanadium	25.00	23.30	93	74-120	1	20
Zinc	25.00	21.70	87	68-120	0	20

RPD= Relative Percent Difference

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: 19-DEC-03
Lab Job Number: 167659
Project ID: 001-09173-00
Location: WEST S. DR./ALTA

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

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

Curtis & Tompkins, Ltd.

Laboratory Numbers: **167659**
Client: **LFR Levine Fricke**
Location: **WEST S.DR/ALTA**
Project#: **001-09173-00**
COC#: **200733**

Sampled Date: **09/18/03**
Received Date: **09/18/03**

CASE NARRATIVE

This hardcopy data package contains sample and QC results for four soil samples, which were received from the site referenced above on September 18, 2003. The samples were received cold and intact. All data were E-mailed to Larry Lapuyade on September 25, 2003.

TEH by (EPA 8015B):
No analytical problems were encountered.

VOCs by (EPA 8260B):
No analytical problems were encountered.

Polynuclear Aromatics by GC/MS (EPA 8270C):
No analytical problems were encountered.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

SAMPLE COLLECTOR: LFR LEVINE·FRICKE
900 Powell Street, 12th Floor
Emeryville, California 94608-1827
(510) 652-4500 Fax: (510) 652-2246

PROJECT NO.: 001-09173-00
PROJECT NAME: W58 [illegible] / [illegible]
SECTION: [illegible]
DATE: 9-18-03
SAMPLER'S INITIALS: [illegible]
SAMPLER (Signature): [signature]

No. [illegible]00733

Sample ID.	Date	Time	Lab Sample No.	No. of Containers	TYPE: Soil	TYPE: Water	TPHd (EPA 8015M) w/NC	TPHg (EPA 8015M)	BTEX (EPA 8021/602)	VOCs (EPA 8260/624)*	Metals (EPA 6010/7000)**	PCB	8180					TAT: Standard	TAT: RUSH:	TAT: HOLD	REMARKS
1 SSB-1-0.5	9-18	8:00		1	X		X			[illegible]	[illegible]	X	X					X			Results to
2 SSB-2-0.5	↓	845		1	X		X			X	X	[illegible]	X					X			LABS
3 SSB-3-1.5	↓	9:00		1	X		X			X	X	X	X					X			LAPUYADE
4 SSD-1	↓	9:10		1	X		X			X	X	X	X					X			

REMARKS:
* VOCs: ☒ 8260 List ☐ 8240 List ☐ 8010 List ☐ 624 List
** Metals: ☒ CAM17 ☐ RCRA ☐ LUFT

Cold & intact
TD 9/18/03

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

ANALYTICAL LABORATORY: C&T

METHOD OF SHIPMENT: Hand Deliver
LAB REPORT NO.:
FAX COC CONFIRMATION TO:
FAX RESULTS TO:
SEND HARDCOPY TO:
SEND EDD TO: EMV.LABEDDS.COM

	1	2	3
RELINQUISHED BY: (SIGNATURE) (DATE)	[signature] 9-18-03		
(PRINTED NAME) (TIME)	LARRY LAPUYADE 9:30		
(COMPANY)	LFR LEVINE · FRICKE		
RECEIVED BY: (SIGNATURE) (DATE)			RECEIVED BY (LABORATORY): [signature] 9/18/03
(PRINTED NAME) (TIME)			Steven Stanley 1030
(COMPANY) / (LABORATORY)			C&T

FORM NO: 2001/COC/SXS

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09173-00	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	09/18/03
Units:	mg/Kg	Received:	09/18/03
Basis:	as received	Prepared:	09/19/03
Batch#:	84676		

Field ID:	SSB-1-0.5	Diln Fac:	10.00
Type:	SAMPLE	Analyzed:	09/22/03
Lab ID:	167659-001		

Analyte	Result	RL
Diesel C10-C24	190 H Y	10
Motor Oil C24-C36	800	50

Surrogate	%REC	Limits
Hexacosane	DO	36-141

Field ID:	SSB-2-0.5	Diln Fac:	20.00
Type:	SAMPLE	Analyzed:	09/20/03
Lab ID:	167659-002		

Analyte	Result	RL
Diesel C10-C24	470 H Y	20
Motor Oil C24-C36	2,000	100

Surrogate	%REC	Limits
Hexacosane	DO	36-141

Field ID:	SSB-3-1.5	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	09/20/03
Lab ID:	167659-003		

Analyte	Result	RL
Diesel C10-C24	280 H	1.0
Motor Oil C24-C36	260 L	5.0

Surrogate	%REC	Limits
Hexacosane	107	36-141

Field ID:	SSD-1	Diln Fac:	20.00
Type:	SAMPLE	Analyzed:	09/20/03
Lab ID:	167659-004		

Analyte	Result	RL
Diesel C10-C24	4,000 H	20
Motor Oil C24-C36	3,200 L	100

Surrogate	%REC	Limits
Hexacosane	DO	36-141

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09173-00	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	09/18/03
Units:	mg/Kg	Received:	09/18/03
Basis:	as received	Prepared:	09/19/03
Batch#:	84676		

Type:	BLANK	Analyzed:	09/22/03
Lab ID:	QC226360	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

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

Surrogate	%REC	Limits
Hexacosane	101	36-141

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09173-00	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC226361	Batch#:	84676
Matrix:	Soil	Prepared:	09/19/03
Units:	mg/Kg	Analyzed:	09/22/03
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.04	45.47	91	49-129

Surrogate	%REC	Limits
Hexacosane	104	36-141

17.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Field ID:	SSB-1-0.5	Diln Fac:	1.000
Lab ID:	167659-001	Batch#:	84630
Matrix:	Soil	Sampled:	09/18/03
Units:	ug/Kg	Received:	09/18/03
Basis:	as received	Analyzed:	09/18/03

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

ND = Not Detected
RL = Reporting Limit

1.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Field ID:	SSB-1-0.5	Diln Fac:	1.000
Lab ID:	167659-001	Batch#:	84630
Matrix:	Soil	Sampled:	09/18/03
Units:	ug/Kg	Received:	09/18/03
Basis:	as received	Analyzed:	09/18/03

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

Surrogate	%REC	Limits
Dibromofluoromethane	91	63-133
1,2-Dichloroethane-d4	87	76-130
Toluene-d8	95	80-111
Bromofluorobenzene	106	77-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Field ID:	SSB-2-0.5	Diln Fac:	0.9615
Lab ID:	167659-002	Batch#:	84630
Matrix:	Soil	Sampled:	09/18/03
Units:	ug/Kg	Received:	09/18/03
Basis:	as received	Analyzed:	09/18/03

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

ND = Not Detected
RL = Reporting Limit

2.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Field ID:	SSB-2-0.5	Diln Fac:	0.9615
Lab ID:	167659-002	Batch#:	84630
Matrix:	Soil	Sampled:	09/18/03
Units:	ug/Kg	Received:	09/18/03
Basis:	as received	Analyzed:	09/18/03

Analyte	Result	RL
Dibromochloromethane	ND	4.8
1,2-Dibromoethane	ND	4.8
Chlorobenzene	ND	4.8
1,1,1,2-Tetrachloroethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8
Styrene	ND	4.8
Bromoform	ND	4.8
Isopropylbenzene	ND	4.8
1,1,2,2-Tetrachloroethane	ND	4.8
1,2,3-Trichloropropane	ND	4.8
Propylbenzene	ND	4.8
Bromobenzene	ND	4.8
1,3,5-Trimethylbenzene	ND	4.8
2-Chlorotoluene	ND	4.8
4-Chlorotoluene	ND	4.8
tert-Butylbenzene	ND	4.8
1,2,4-Trimethylbenzene	ND	4.8
sec-Butylbenzene	ND	4.8
para-Isopropyl Toluene	ND	4.8
1,3-Dichlorobenzene	ND	4.8
1,4-Dichlorobenzene	ND	4.8
n-Butylbenzene	ND	4.8
1,2-Dichlorobenzene	ND	4.8
1,2-Dibromo-3-Chloropropane	ND	4.8
1,2,4-Trichlorobenzene	ND	4.8
Hexachlorobutadiene	ND	4.8
Naphthalene	42	4.8
1,2,3-Trichlorobenzene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	98	63-133
1,2-Dichloroethane-d4	93	76-130
Toluene-d8	95	80-111
Bromofluorobenzene	106	77-126

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Field ID:	SSB-3-1.5	Diln Fac:	1.000
Lab ID:	167659-003	Batch#:	84630
Matrix:	Soil	Sampled:	09/18/03
Units:	ug/Kg	Received:	09/18/03
Basis:	as received	Analyzed:	09/18/03

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	21	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND = Not Detected
RL = Reporting Limit

3.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Field ID:	SSB-3-1.5	Diln Fac:	1.000
Lab ID:	167659-003	Batch#:	84630
Matrix:	Soil	Sampled:	09/18/03
Units:	ug/Kg	Received:	09/18/03
Basis:	as received	Analyzed:	09/18/03

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

Surrogate	%REC	Limits
Dibromofluoromethane	98	63-133
1,2-Dichloroethane-d4	88	76-130
Toluene-d8	99	80-111
Bromofluorobenzene	99	77-126

ND= Not Detected
RL= Reporting Limit

3.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Field ID:	SSD-1	Diln Fac:	1.000
Lab ID:	167659-004	Batch#:	84630
Matrix:	Soil	Sampled:	09/18/03
Units:	ug/Kg	Received:	09/18/03
Basis:	as received	Analyzed:	09/18/03

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

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Field ID:	SSD-1	Diln Fac:	1.000
Lab ID:	167659-004	Batch#:	84630
Matrix:	Soil	Sampled:	09/18/03
Units:	ug/Kg	Received:	09/18/03
Basis:	as received	Analyzed:	09/18/03

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	24	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	6.8	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	76	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	90	63-133
1,2-Dichloroethane-d4	83	76-130
Toluene-d8	93	80-111
Bromofluorobenzene	124	77-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC226164	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84630
Units:	ug/Kg	Analyzed:	09/18/03

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	48.30	97	72-125
Benzene	50.00	47.53	95	78-120
Trichloroethene	50.00	48.10	96	76-127
Toluene	50.00	46.83	94	79-120
Chlorobenzene	50.00	49.43	99	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	85	63-133
1,2-Dichloroethane-d4	78	76-130
Toluene-d8	94	80-111
Bromofluorobenzene	95	77-126

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC226167	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84630
Units:	ug/Kg	Analyzed:	09/18/03

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

ND= Not Detected
RL= Reporting Limit

6.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC226167	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84630
Units:	ug/Kg	Analyzed:	09/18/03

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

Surrogate	%REC	Limits
Dibromofluoromethane	91	63-133
1,2-Dichloroethane-d4	83	76-130
Toluene-d8	94	80-111
Bromofluorobenzene	97	77-126

ND = Not Detected
RL = Reporting Limit

6.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC226168	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84630
Units:	ug/Kg	Analyzed:	09/18/03

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

ND= Not Detected
RL= Reporting Limit

7.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC226168	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84630
Units:	ug/Kg	Analyzed:	09/18/03

Analyte	Result	RL
,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
thylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
tyrene	ND	5.0
romoform	ND	5.0
Isopropylbenzene	ND	5.0
,1,2,2-Tetrachloroethane	ND	5.0
,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
5-Trimethylbenzene	ND	5.0
hlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
ert-Butylbenzene	ND	5.0
,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
,2-Dichlorobenzene	ND	5.0
,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
exachlorobutadiene	ND	5.0
aphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
ibromofluoromethane	92	63-133
1,2-Dichloroethane-d4	87	76-130
oluene-d8	96	80-111
romofluorobenzene	97	77-126

N ot Detected
= Reporting Limit

7.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09173-00	Analysis:	EPA 8260B
Field ID:	SSB-1-0.5	Diln Fac:	1.000
MSS Lab ID:	167659-001	Batch#:	84630
Matrix:	Soil	Sampled:	09/18/03
Units:	ug/Kg	Received:	09/18/03
Basis:	as received	Analyzed:	09/19/03

Type: MS Lab ID: QC226257

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.1400	50.00	39.17	78	53-135
Benzene	<0.05800	50.00	36.71	73	55-121
Trichloroethene	<0.1100	50.00	32.80	66	46-149
Toluene	<0.1800	50.00	33.27	67	44-129
Chlorobenzene	<0.07700	50.00	28.92	58	48-121

Surrogate	%REC	Limits
Dibromofluoromethane	93	63-133
1,2-Dichloroethane-d4	84	76-130
Toluene-d8	96	80-111
Bromofluorobenzene	99	77-126

Type: MSD Lab ID: QC226258

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	39.82	80	53-135	2	20
Benzene	50.00	37.66	75	55-121	3	20
Trichloroethene	50.00	36.03	72	46-149	9	20
Toluene	50.00	35.36	71	44-129	6	20
Chlorobenzene	50.00	32.50	65	48-121	12	20

Surrogate	%REC	Limits
Dibromofluoromethane	93	63-133
1,2-Dichloroethane-d4	86	76-130
Toluene-d8	95	80-111
Bromofluorobenzene	102	77-126

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	001-09173-00	Analysis:	EPA 8270C
Field ID:	SSB-1-0.5	Batch#:	84658
Lab ID:	167659-001	Sampled:	09/18/03
Matrix:	Soil	Received:	09/18/03
Units:	ug/Kg	Prepared:	09/19/03
Basis:	as received	Analyzed:	09/19/03
Diln Fac:	10.00		

Analyte	Result	RL
Naphthalene	ND	500
Acenaphthylene	ND	500
Acenaphthene	ND	500
Fluorene	ND	500
Phenanthrene	ND	500
Anthracene	ND	500
Fluoranthene	ND	500
Pyrene	700	500
Benzo(a)anthracene	ND	500
Chrysene	ND	500
Benzo(b)fluoranthene	1,500	500
Benzo(k)fluoranthene	ND	500
Benzo(a)pyrene	ND	500
Indeno(1,2,3-cd)pyrene	ND	500
Dibenz(a,h)anthracene	ND	500
Benzo(g,h,i)perylene	ND	500

Surrogate	%REC	Limits
Nitrobenzene-d5	90	27-120
2-Fluorobiphenyl	93	33-121
Terphenyl-d14	87	20-125

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	001-09173-00	Analysis:	EPA 8270C
Field ID:	SSB-2-0.5	Batch#:	84658
Lab ID:	167659-002	Sampled:	09/18/03
Matrix:	Soil	Received:	09/18/03
Units:	ug/Kg	Prepared:	09/19/03
Basis:	as received	Analyzed:	09/19/03
Diln Fac:	10.00		

Analyte	Result	RL
Naphthalene	ND	500
Acenaphthylene	ND	500
Acenaphthene	ND	500
Fluorene	ND	500
Phenanthrene	830	500
Anthracene	ND	500
Fluoranthene	1,300	500
Pyrene	1,900	500
Benzo(a)anthracene	710	500
Chrysene	1,100	500
Benzo(b)fluoranthene	550	500
Benzo(k)fluoranthene	830	500
Benzo(a)pyrene	830	500
Indeno(1,2,3-cd)pyrene	ND	500
Dibenz(a,h)anthracene	ND	500
Benzo(g,h,i)perylene	ND	500

Surrogate	%REC	Limits
Nitrobenzene-d5	82	27-120
2-Fluorobiphenyl	85	33-121
Terphenyl-d14	69	20-125

ND= Not Detected
RL= Reporting Limit

10.0

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	001-09173-00	Analysis:	EPA 8270C
Field ID:	SSB-3-1.5	Batch#:	84658
Lab ID:	167659-003	Sampled:	09/18/03
Matrix:	Soil	Received:	09/18/03
Units:	ug/Kg	Prepared:	09/19/03
Basis:	as received	Analyzed:	09/19/03
Diln Fac:	5.000		

Analyte	Result	RL
Naphthalene	ND	250
Acenaphthylene	ND	250
Acenaphthene	ND	250
Fluorene	ND	250
Phenanthrene	300	250
Anthracene	ND	250
Fluoranthene	ND	250
Pyrene	400	250
Benzo(a)anthracene	ND	250
Chrysene	300	250
Benzo(b)fluoranthene	740	250
Benzo(k)fluoranthene	ND	250
Benzo(a)pyrene	ND	250
Indeno(1,2,3-cd)pyrene	ND	250
Dibenz(a,h)anthracene	ND	250
Benzo(g,h,i)perylene	ND	250

Surrogate	%REC	Limits
Nitrobenzene-d5	98	27-120
2-Fluorobiphenyl	94	33-121
Terphenyl-d14	91	20-125

ND = Not Detected
RL = Reporting Limit

11.0

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	001-09173-00	Analysis:	EPA 8270C
Field ID:	SSD-1	Batch#:	84658
Lab ID:	167659-004	Sampled:	09/18/03
Matrix:	Soil	Received:	09/18/03
Units:	ug/Kg	Prepared:	09/19/03
Basis:	as received	Analyzed:	09/20/03
Diln Fac:	10.00		

Analyte	Result	RL
Naphthalene	ND	500
Acenaphthylene	2,200	500
Acenaphthene	1,300	500
Fluorene	4,800	500
Phenanthrene	550	500
Anthracene	4,900	500
Fluoranthene	10,000	500
Pyrene	29,000	500
Benzo(a)anthracene	7,400	500
Chrysene	8,700	500
Benzo(b)fluoranthene	3,100	500
Benzo(k)fluoranthene	4,500	500
Benzo(a)pyrene	6,300	500
Indeno(1,2,3-cd)pyrene	1,500	500
Dibenz(a,h)anthracene	870	500
Benzo(g,h,i)perylene	2,000	500

Surrogate	%REC	Limits
Nitrobenzene-d5	97	27-120
2-Fluorobiphenyl	95	33-121
Terphenyl-d14	95	20-125

ND= Not Detected
RL= Reporting Limit

12.0

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	001-09173-00	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC226293	Batch#:	84658
Matrix:	Soil	Prepared:	09/19/03
Units:	ug/Kg	Analyzed:	09/19/03
Basis:	as received		

Analyte	Result	RL
Naphthalene	ND	50
Acenaphthylene	ND	50
Acenaphthene	ND	50
Fluorene	ND	50
Phenanthrene	ND	50
Anthracene	ND	50
Fluoranthene	ND	50
Pyrene	ND	50
Benzo(a)anthracene	ND	50
Chrysene	ND	50
Benzo(b)fluoranthene	ND	50
Benzo(k)fluoranthene	ND	50
[illegible]o(a)pyrene	ND	50
[illegible]eno(1,2,3-cd)pyrene	ND	50
Dibenz(a,h)anthracene	ND	50
Benzo(g,h,i)perylene	ND	50

Surrogate	%REC	Limits
Nitrobenzene-d5	94	27-120
2-Fluorobiphenyl	96	33-121
Terphenyl-d14	79	20-125

[illegible]ot Detected
L= Reporting Limit

13.0

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	001-09173-00	Analysis:	EPA 8270C
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC226294	Batch#:	84658
Matrix:	Soil	Prepared:	09/19/03
Units:	ug/Kg	Analyzed:	09/19/03
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Naphthalene	1,678	1,454	87	35-120
Acenaphthylene	1,678	1,562	93	34-120
Acenaphthene	1,678	1,488	89	38-120
Fluorene	1,678	1,465	87	36-120
Phenanthrene	1,678	1,341	80	37-120
Anthracene	1,678	1,294	77	36-120
Fluoranthene	1,678	1,380	82	40-120
Pyrene	1,678	1,589	95	33-120
Benzo(a)anthracene	1,678	1,482	88	36-120
Chrysene	1,678	1,506	90	37-120
Benzo(b)fluoranthene	1,678	1,181	70	31-120
Benzo(k)fluoranthene	1,678	1,468	88	28-125
Benzo(a)pyrene	1,678	1,440	86	30-120
Indeno(1,2,3-cd)pyrene	1,678	1,538	92	20-136
Dibenz(a,h)anthracene	1,678	1,852	110	25-137
Benzo(g,h,i)perylene	1,678	1,805	108	32-134

Surrogate	%REC	Limits
Nitrobenzene-d5	102	27-120
2-Fluorobiphenyl	99	33-121
Terphenyl-d14	82	20-125

Curtis & Tompkins, Ltd

Polychlorinated Biphenyls (PCBs)

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	001-09173-00	Analysis:	EPA 8082
Matrix:	Soil	Sampled:	09/18/03
Units:	ug/Kg	Received:	09/18/03
Basis:	as received		

Field ID:	SSB-1-0.5	Batch#:	84671
Type:	SAMPLE	Prepared:	09/19/03
Lab ID:	167659-001	Analyzed:	09/24/03
Diln Fac:	20.00	Cleanup Method:	EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	240
Aroclor-1221	ND	480
Aroclor-1232	ND	240
Aroclor-1242	ND	240
Aroclor-1248	ND	240
Aroclor-1254	ND	240
Aroclor-1260	10,000	240

Surrogate	%REC	Limits
TCMX	DO	45-135
Decachlorobiphenyl	DO	39-148

Field ID:	SSB-2-0.5	Batch#:	84809
Type:	SAMPLE	Prepared:	09/24/03
Lab ID:	167659-002	Analyzed:	09/25/03
Diln Fac:	5.000	Cleanup Method:	EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	60
Aroclor-1221	ND	120
Aroclor-1232	ND	60
Aroclor-1242	ND	60
Aroclor-1248	ND	60
Aroclor-1254	ND	60
Aroclor-1260	2,100	60

Surrogate	%REC	Limits
TCMX	118	45-135
Decachlorobiphenyl	139	39-148

* - Value outside of QC limits; see narrative
D - Diluted Out
ND - Not Detected
RL - Reporting Limit

28.0

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	001-09173-00	Analysis:	EPA 8082
Matrix:	Soil	Sampled:	09/18/03
Units:	ug/Kg	Received:	09/18/03
Basis:	as received		

Field ID:	SSB-3-1.5	Batch#:	84671
Type:	SAMPLE	Prepared:	09/19/03
Lab ID:	167659-003	Analyzed:	09/20/03
Diln Fac:	1.000	Cleanup Method:	EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	134	45-135
Decachlorobiphenyl	110	39-148

Field ID:	SSD-1	Batch#:	84671
Type:	SAMPLE	Prepared:	09/19/03
Lab ID:	167659-004	Analyzed:	09/20/03
Diln Fac:	1.000	Cleanup Method:	EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	120	45-135
Decachlorobiphenyl	113	39-148

*= Value outside of QC limits; see narrative
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

28.0

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	001-09173-00	Analysis:	EPA 8082
Matrix:	Soil	Sampled:	09/18/03
Units:	ug/Kg	Received:	09/18/03
Basis:	as received		

Type:	BLANK	Prepared:	09/19/03
Lab ID:	QC226342	Analyzed:	09/19/03
Diln Fac:	1.000	Cleanup Method:	EPA 3665A
Batch#:	84671		

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	141 *	45-135
Decachlorobiphenyl	123	39-148

Type:	BLANK	Prepared:	09/24/03
Lab ID:	QC226857	Analyzed:	09/25/03
Diln Fac:	1.000	Cleanup Method:	EPA 3665A
Batch#:	84809		

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	114	45-135
Decachlorobiphenyl	101	39-148

* Value outside of QC limits; see narrative
D Diluted Out
ND Not Detected
RL Reporting Limit

28.0

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	001-09173-00	Analysis:	EPA 8082
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC226343	Batch#:	84671
Matrix:	Soil	Prepared:	09/19/03
Units:	ug/Kg	Analyzed:	09/19/03
Basis:	as received		

Cleanup Method: EPA 3665A

Analyte	Spiked	Result	%REC	Limits
Aroclor-1232	167.7	170.0	101	67-140

Surrogate	%REC	Limits
TCMX	131	45-135
Decachlorobiphenyl	105	39-148

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	001-09173-00	Analysis:	EPA 8082
Field ID:	ZZZZZZZZZZ	Batch#:	84671
MSS Lab ID:	167658-001	Sampled:	09/18/03
Matrix:	Soil	Received:	09/18/03
Units:	ug/Kg	Prepared:	09/19/03
Basis:	as received	Analyzed:	09/19/03
Diln Fac:	1.000		

Type: MS
Lab ID: QC226344

Cleanup Method: EPA 3665A

Analyte	MSS Result	Spiked	Result	%REC	Limits
Aroclor-1232	<3.400	166.4	173.5	104	56-141

Surrogate	%REC	Limits
TCMX	130	45-135
Decachlorobiphenyl	107	39-148

Type: MSD
Lab ID: QC226345

Cleanup Method: EPA 3665A

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Aroclor-1232	166.8	169.4	102	56-141	3	41

Surrogate	%REC	Limits
TCMX	125	45-135
Decachlorobiphenyl	98	39-148

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	001-09173-00	Analysis:	EPA 8082
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC226858	Batch#:	84809
Matrix:	Soil	Prepared:	09/24/03
Units:	ug/Kg	Analyzed:	09/25/03
Basis:	as received		

Cleanup Method: EPA 3665A

Analyte	Spiked	Result	%REC	Limits
Aroclor-1232	164.5	207.7	126	67-140

Surrogate	%REC	Limits
TCMX	111	45-135
Decachlorobiphenyl	121	39-148

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167659	Project#:	001-09173-00
Client:	LFR Levine Fricke	Location:	WEST S. DR./ALTA
Field ID:	SSB-1-0.5	Basis:	as received
Lab ID:	167659-001	Sampled:	09/18/03
Matrix:	Soil	Received:	09/18/03
Units:	mg/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	2.4	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Arsenic	17	0.20	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Barium	1,000	2.0	5.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Beryllium	0.28	0.081	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Cadmium	1.8	0.20	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Chromium	38	0.41	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Cobalt	8.1	0.81	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Copper	61	0.41	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Lead	340	0.12	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Mercury	0.45	0.018	1.000	84746	09/23/03	09/23/03	METHOD	EPA 7471
Molybdenum	1.3	0.81	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Nickel	52	0.81	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Selenium	ND	0.20	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Silver	0.52	0.20	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Thallium	0.59	0.20	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Vanadium	27	0.41	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Zinc	530	4.1	5.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167659	Project#:	001-09173-00
Client:	LFR Levine Fricke	Location:	WEST S. DR./ALTA
Field ID:	SSB-2-0.5	Basis:	as received
Lab ID:	167659-002	Sampled:	09/18/03
Matrix:	Soil	Received:	09/18/03
Units:	mg/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	2.5	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Arsenic	5.6	0.21	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Barium	330	0.42	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Beryllium	0.18	0.084	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Cadmium	2.2	0.21	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Chromium	43	0.42	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Cobalt	7.2	0.84	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Copper	240	0.42	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Lead	240	0.13	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Mercury	0.49	0.019	1.000	84746	09/23/03	09/23/03	METHOD	EPA 7471
Molybdenum	1.7	0.84	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Nickel	39	0.84	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Selenium	ND	0.21	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Silver	0.26	0.21	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Thallium	0.79	0.21	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010
Vanadium	24	0.42	1.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Zinc	260	4.2	5.000	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167659	Project#:	001-09173-00
Client:	LFR Levine Fricke	Location:	WEST S. DR./ALTA
Field ID:	SSB-3-1.5	Basis:	as received
Lab ID:	167659-003	Diln Fac:	1.000
Matrix:	Soil	Sampled:	09/18/03
Units:	mg/Kg	Received:	09/18/03

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	2.6	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Arsenic	2.4	0.22	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Barium	140	0.43	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Beryllium	0.29	0.086	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Cadmium	0.25	0.22	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Chromium	26	0.43	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Cobalt	4.6	0.86	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Copper	12	0.43	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Lead	14	0.13	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Mercury	0.079	0.019	84746	09/23/03	09/23/03	METHOD	EPA 7471
Molybdenum	ND	0.86	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Nickel	25	0.86	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Selenium	ND	0.22	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Silver	ND	0.22	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
[illegible]lium	0.23	0.22	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
[illegible]adium	17	0.43	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Zinc	21	0.86	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B

N ot Detected
RL = Reporting Limit

20.0

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167659	Project#:	001-09173-00
Client:	LFR Levine Fricke	Location:	WEST S. DR./ALTA
Field ID:	SSD-1	Basis:	as received
Lab ID:	167659-004	Diln Fac:	1.000
Matrix:	Soil	Sampled:	09/18/03
Units:	mg/Kg	Received:	09/18/03

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	2.5	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Arsenic	13	0.21	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Barium	130	0.42	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Beryllium	0.44	0.085	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Cadmium	0.55	0.21	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Chromium	54	0.42	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Cobalt	15	0.85	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Copper	28	0.42	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Lead	5.2	0.13	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Mercury	0.18	0.019	84746	09/23/03	09/23/03	METHOD	EPA 7471
Molybdenum	ND	0.85	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Nickel	92	0.85	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Selenium	ND	0.21	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Silver	ND	0.21	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Thallium	1.1	0.21	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Vanadium	39	0.42	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B
Zinc	46	0.85	84771	09/24/03	09/24/03	EPA 3050	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09173-00	Analysis:	EPA 7471
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC226612	Batch#:	84746
Matrix:	Soil	Prepared:	09/23/03
Units:	mg/Kg	Analyzed:	09/23/03

Result	RL
ND	0.020

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09173-00	Analysis:	EPA 7471
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	84746
Units:	mg/Kg	Prepared:	09/23/03
Basis:	as received	Analyzed:	09/23/03

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC226613	0.5000	0.5130	103	80-120		
BSD	QC226614	0.5000	0.5320	106	80-120	4	20

RPD= Relative Percent Difference

24.0

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09173-00	Analysis:	EPA 7471
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	84746
MSS Lab ID:	167533-005	Sampled:	09/12/03
Matrix:	Soil	Received:	09/12/03
Units:	mg/Kg	Prepared:	09/23/03
Basis:	as received	Analyzed:	09/23/03

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC226615	0.04110	0.4545	0.5682	116	37-144		
MSD	QC226616		0.4386	0.5693	120	37-144	3	37

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 3050
Project#:	001-09173-00	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC226691	Batch#:	84771
Matrix:	Soil	Prepared:	09/24/03
Units:	mg/Kg	Analyzed:	09/24/03
Basis:	as received		

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	167659	Location:	WEST S. DR./ALTA
Client:	LFR Levine Fricke	Prep:	EPA 3050
Project#:	001-09173-00	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	84771
Units:	mg/Kg	Prepared:	09/24/03
Basis:	as received	Analyzed:	09/24/03
Diln Fac:	1.000		

Type: BS Lab ID: QC226692

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	111.0	111	73-134
Arsenic	50.00	45.90	92	74-120
Barium	100.0	94.50	95	72-120
Beryllium	2.500	2.290	92	74-120
Cadmium	10.00	8.700	87	72-120
Chromium	100.0	91.00	91	74-120
Cobalt	25.00	21.85	87	70-120
Copper	12.50	11.85	95	70-120
Lead	100.0	88.50	89	71-120
Molybdenum	20.00	19.15	96	76-120
Nickel	25.00	21.75	87	72-120
Selenium	50.00	41.75	84	66-120
Silver	10.00	9.050	91	66-120
Thallium	50.00	42.60	85	69-120
Vanadium	25.00	23.15	93	74-120
Zinc	25.00	21.60	86	68-120

BSD Lab ID: QC226693

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	111.5	112	73-134	0	20
Arsenic	50.00	45.75	92	74-120	0	20
Barium	100.0	95.00	95	72-120	1	20
Beryllium	2.500	2.295	92	74-120	0	20
Cadmium	10.00	8.650	87	72-120	1	20
Chromium	100.0	91.50	92	74-120	1	20
Cobalt	25.00	21.95	88	70-120	0	20
Copper	12.50	11.95	96	70-120	1	20
Lead	100.0	89.50	90	71-120	1	20
Molybdenum	20.00	19.70	99	76-120	3	20
Nickel	25.00	22.05	88	72-120	1	20
Selenium	50.00	41.95	84	66-120	0	20
Silver	10.00	9.100	91	66-120	1	20
Thallium	50.00	43.35	87	69-120	2	20
Vanadium	25.00	23.30	93	74-120	1	20
Zinc	25.00	21.70	87	68-120	0	20

RPD= Relative Percent Difference