



CALIFORNIA REGIONAL WATER
JAN 26 1996
QUALITY CONTROL BOARD
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January 24, 1996

LRA ENVIRONMENTAL JOB NUMBER: E9170

California Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612

Subject: Closure Report Taco Bell Alameda
1900 Webster Street
Alameda, Alameda County, California
STID 3695

To Whom It May Concern:

Enclosed is a copy of the Closure Report for the referenced property. The report is composed of three (3) volumes. The first volume contains the narrative portion of the report and Appendix A through D. The second and third volume contain Appendix E which is reproduction of all the sampling analytical reports completed for this site as required by the "Tri-Regional Board Staff Recommendations for Preliminary Investigation and Evaluation of Underground Tank Sites, Request for Closure".

If we can be of any assistance to you, please call our office at (916) 631-4455.

Sincerely,

LRA ENVIRONMENTAL

Karina R. Dahl

Karina R. Dahl

KRD:kd

cc: San Francisco Bay Region CRWQCB

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**CLOSURE REPORT
TACO BELL
1900 WEBSTER STREET
ALAMEDA, ALAMEDA COUNTY, CALIFORNIA**

**PREPARED BY:
LRA ENVIRONMENTAL
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**DECEMBER 20, 1995
JOB NUMBER E9170**

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- 14 April 1995 Analytical Report



CLOSURE REPORT

TACO BELL

1900 WEBSTER STREET

ALAMEDA, ALAMEDA COUNTY, CALIFORNIA

Purpose of this Report:

The data presented herein is intended to assist the jurisdictional agency in making an objective decision in support of the property owners request for site closure. This report presents a summation of the information and data acquired from the investigation and remediation of the subject property, and is intended to comply with the Alameda County Environmental Health Department's policies regarding requests for site closure.

Location:

The property in question, a Taco Bell restaurant, is located at 1900 Webster Street, Alameda, Alameda County, California. The property is located at approximately 122° 16'31" west longitude and 37°46'27" north latitude. This corresponds to the County of Alameda Assessors Parcel Number 73-426-12.

INTRODUCTION

The property is currently owned and managed by Dolan Foster Enterprises and is supervised by Dan Mundy. Telephone contact can be made with Mr. Mundy at (510) 887-7260. Correspondence can be directed to Mr. Mundy in care of Dolan Foster Enterprises, 25596 Seaboard Lane, Hayward, California, 94545.

Currently, the property supports a Taco Bell restaurant and customer parking facilities. This operational franchise has been owned and operated by Dolan Foster Enterprises since 1976. This Taco Bell franchise is a fast food take-out restaurant and has never been involved with the storage or dispensing of any hazardous materials or petroleum products.

An informal historical investigation of the property revealed that this site was previously used as a service station. The first service station was established in 1928 and began dispensing gasoline from two (2) five-hundred and fifty (550) gallon tanks. From that time until 1976, the property had been in continual use as a service and gasoline dispensing station. During this time period, a total of eight (8) different tanks of varying sizes were used for underground gasoline storage. These tanks have ranged in size from five-hundred and fifty (550) to eight thousand (8000) gallons. From 1967 to 1974, the underground gasoline storage totaled fourteen thousand (14,000) gallons. Alameda City Fire Department records show that all tanks and associated underground plumbing were removed



on 8 February 1974, prior to the sale of the property to Dolan Foster Enterprises. Gasoline storage tank operators, tank installation dates and capacity are summarized in the following table:

TABLE ONE
UNDERGROUND STORAGE TANKS RECORD

<u>OPERATOR</u>	<u>TANK INSTALLATION DATE</u>	<u>TANK CAPACITY</u>
F. Burrington	11 October 1928	2- 550 gal.
P.S. Ray	11 May 1933	1- 500 gal.
Signal Oil Company	27 October 1941	1- 1,000 gal.
Humble Oil Service Station	29 November 1967	1- 8,000 gal., 1- 6,000 gal. & 2- 2,000 gal.

Prior to 15 January 1992, no spill, leak, or leachate migration reports, referencing the subject property, had been filed with the Alameda County Health Department. On that date, Dolan Foster Enterprises filed an Underground Storage Tank Unauthorized Release Contamination Site Report on their own accord (copy attached in Appendix C). This unauthorized leak report was forwarded to, and remains in the custody of, the Alameda County Health Department. Dolan Foster's actions in submitting this report were precipitated by the confirmation of petroleum products in soil samples taken during a geotechnical investigation conducted by LRA Engineering. Dolan Foster Enterprises was appraised of the situation and they, in turn, initiated the preliminary site contamination investigation process on a voluntary basis, and without mandate from the jurisdictional agency.

On 19 December 1991 and 21 January 1992, LRA ENVIRONMENTAL performed a site environmental investigation at the subject property. This investigation consisted of advancing eighteen (18) soil borings. The eighteen (18) boring consisted of thirteen (13) exploratory borings, E-1 through E-13, and five (5) geotechnical borings, U-14 through U-18. Both exploratory and geotechnical borings were placed with the recommendations of Thomas Peacock, Alameda County Health Inspector, to determine the vertical and horizontal extent of any contamination that might exist on the subject property. Each boring was checked for evidence of contamination and a boring profile was prepared depicting the soils encountered. All borings except for U-17 exhibited discolored soils starting at two feet (2') below the ground surface and varied in thickness from one and one-half feet (1.5') to four feet (4'). A distinct odor was detected in borings E-1 through E-7, U-16, and U-18. Analytical results from soil samples acquired during drilling confirmed detectable levels of petroleum products in three (3) of the ten (10) samples collected.

On 1, 2, and 3 June 1992, contaminated soils from the area of the former product dispensers were remediated by over-excavation (reported the in 6 July 1992 Site Remediation Observation Report submitted by LRA Environmental). All native soils registering photo-ionization detector (PID) measurements above 5 ppm



or emitting chemical odors were removed. The highest chemical concentrations in the soils appeared to be in the upper three to six feet (3'-6') of strata. Soils from the bottom and the sidewalls of the excavation, registering elevated PID readings, were removed to depths varying from four to six feet (4'-6') below grade. The excavated area was backfilled and compacted with pit run aggregates.

Approximately three-hundred (300) cubic yards of native soils were removed during the excavation of soils beneath and adjacent to the former location of the gasoline dispenser islands. Excavated soils were transported to, and stockpiled in a dedicated area on the north half of the parking lot that had been properly prepared to receive the soil for stockpiling. The soils were then aerated under permit issued by the Bay Area Air Quality Management Department on the subject property from 5 June 1992 through 2 July 1992.

The stockpile was mixed and turned for two weeks. At the end of this period the stockpile was sampled and analyzed for volatile organic compounds. The results of the chemical analyses indicated the soils were sufficiently aerated in that levels of volatile organic compounds were reduced to near or below detection limits. Further characterization was not deemed necessary by B.F.I. Water Systems, a Treatment Storage and Disposal Facility, to which the remediated soil was transported.

On 6 July 1992, Dolan Foster Enterprises demolished the existing Taco Bell Restaurant so as to construct a new facility (reported in the 20 October 1993 Third Quarter Groundwater Monitoring Report submitted by LRA Environmental). During the destruction of the building, a previously, unknown waste oil storage vessel was discovered. It was located approximately sixty feet (60') east of Webster Street and sixty feet (60') north of Eagle Avenue underneath the main entrance of the demolished restaurant. The waste oil vessel, its contents and the surrounding soils were removed and disposed of at B.F.I. Waste Systems on Vasco Road in Livermore, California.

Demolition of the building gave access to the area that was predetermined to be the abandoned underground storage tank field. On 13 July 1992, LRA Environmental drilled a total of three (3) borings. Two (2) borings were placed at the former tank field site and the third boring at the former site of the waste oil container. Soil samples were collected either at each change in lithology or at elevations where contamination was obvious by sense of smell. Soil samples acquired from the three borings were analyzed to determine the constituents and concentration levels at each location.

On 13 and 14 August 1992, LRA Environmental constructed four (4) groundwater monitoring wells on the subject property to delineate the contamination plume. All wells were constructed in accordance to the methods outlined in the Underground Fuel Tank Monitoring Workplan dated 26 February 1992 prepared by LRA Environmental and submitted to Alameda County Department of Environmental Health. The wells were placed according to Regional Water Quality Board guidelines (i.e., one well upgradient, two wells down gradient and one well within



ten feet (10') of the original contamination source in the verified downgradient direction). Once the water level in each well was established, quarterly groundwater monitoring was initiated.

SITE DESCRIPTION

Vicinity Map:

The vicinity map appears as Plate 1 in Appendix A of this report.

Location Map:

The location map appears as Plate 2 in Appendix A of this report.

Description of Topography and Surface Features, i.e. Watercourses, Lakes, and Groundwater Recharge Facilities:

The description of the local geography is based solely upon an examination of the latest editions of the U.S.G.S. Topographic map sheets and visual reconnaissance in the field for the area delineated on the vicinity map.

The U.S.G.S. Oakland West, California 7.5 minute quadrangle (topographic) editions of 1959 and 1980 depict the subject property as a developed site with one building present. The property is bounded on the west by Webster Street and on the south by Eagle Avenue. A single building is located to the north of the subject property and a vacant lot to the east. The elevation of the subject property is approximately ten feet (10') above sea level.

During the site reconnaissance, the subject property was found to be completely covered by either concrete, asphalt, or the Taco Bell building. No ponding of water was observed on the site, nor were any unusual odors detected at the site during the reconnaissance.

Site Topography:

Alameda Island is a piece of the mainland that has been bisected by an estuary. The coastal geologic process is mainly tide dominated with wave influence which has produced an estuarine soil sequence. Land elevation on the island varies from sea level to thirty five feet (35') at it's highest elevation. The entire island has been developed and supports residential, commercial, and industrial interests.

The subject site is approximately one-hundred and thirty feet (130') by one-hundred feet (100'), (13,000 sq.ft.). It is commercially developed and supports a Taco Bell restaurant with parking facilities. The property lies on the northeast corner of a major cross-road and is bounded by commercial development on the north and east side.



The depth to regional groundwater was recorded at eight to ten feet (8'-10') below ground surface. This approximately coincides with mean sea level. According to Captain Steve McKinley of the Alameda Fire Department there are no production wells within two thousand feet (2000') of the subject property. The drinking water for the area is supplied by East Bay Municipal Utility District (MUD). The East Bay MUD water supply is supported by their facilities in the Sierra Nevada and is not augmented by area groundwater. Drinking water supplied by East Bay MUD is in compliance with the safe drinking water standards set by the state as confirmed by East Bay MUD representative, John Green.

SUBSURFACE INVESTIGATION

The initial subsurface investigation of the subject property began on 19 December 1991 followed by subsequent sampling events. A comprehensive table listing all soil sampling events and analytical results is presented in Appendix D.

On 19 December 1991 and again on 21 January 1992, **LRA ENVIRONMENTAL** performed a site environmental investigation at the subject property. This investigation consisted of advancing eighteen (18) soil borings. The maximum terminal boring depth was dictated by the purpose of each individual boring. No boring was advanced beyond twenty feet (20') and none were shallower than eight feet (8'). The borings were placed in accordance with the "Tri-Regional Board Staff Recommendations for Preliminary Investigation and Evaluation of Underground Tank Sites" promulgated by the California Regional Water Quality Control Board and with recommendations by Alameda County Health Inspector, Thomas Peacock. The borings were placed so as to determine the vertical and horizontal extent of any contamination that might exist on the subject site (Plate 3, Appendix A). Soil borings E-1 through E-13 and U-18 had terminal depths of ten feet (10'). Borings U-14 and U-15 through U-17 had terminal depths of twenty feet (20') and fifteen feet (15'), respectively. Groundwater was encountered at a depth of approximately twelve feet (12') below the ground surface. Boring U-14 through U-17 were subsequently converted into temporary groundwater monitoring points in order to collect groundwater samples for laboratory analysis.

Drilling Results:

A Soil Profile and Boring Log was prepared for the soils encountered during each of the eighteen (18) soil borings and are graphically presented on Plates 4-9, Appendix A. The Soil Profile Legend is also shown on Plates 10 and 11, Appendix A. Each soil boring was inspected for evidence of contamination, odor or discoloration.

Visual classification of the soils encountered in E-1 through E-13 and U-18 indicate that the soil types encountered were similar to each other. The soil types for boring E-1 through E-13 and U-18 are summarized in the following table:



TABLE TWO

E-1 THROUGH E-13 AND U-18 SOIL PROFILE

19 DECEMBER 1991 / 21 JANUARY 1992

<u>Depth</u>	<u>Soil Profile</u>
0.0 ft. - 1.0 ft.	Asphaltic concrete and aggregate base.
1.0 ft. - 2.0 ft.	Reddish brown silty sand with gravel.
2.0 ft. - 6.0 ft.	Blackish gray silty fine-medium sand (discolored).
6.0 ft. - 10.0 ft.	Tannish brown clayey silty sand.

Borings E-1 through E-7 and U-18 exhibited soil discoloration from two feet (2') to six feet (6') below the ground surface. A distinct odor was detected in all samples acquired from this four foot (4') thick layer of subsurface soil. The odor was easily detectable by sense of smell and ranged from light to heavy. Borings E-8 through E-13 exhibited the same discolored soil but in a narrow layer extending from two feet (2') to three and a half feet (3.5') below the ground surface. No odor was detectable in these borings.

Field logging of the soils confirmed that the soil types encountered in U-14 through U-16 were comparable to borings E-1 through E-13. Borings U-14 through U-16 are summarized in the following table:

TABLE THREE

U-14 THROUGH U-16 SOIL PROFILE

21 JANUARY 1992

<u>Depth</u>	<u>Soil Profile</u>
0.0 ft - 1.0 ft.	Asphaltic concrete and aggregate base.
1.0 ft - 2.0 ft.	Reddish brown silty sand with gravel.
2.0 ft - 6.0 ft.	Blackish gray fine to medium silty sand.
6.0 ft - 15.0 ft.	Tannish brown clayey silty sand.

The subsurface soils encountered in boring U-17 were the same as those previously noted except for the fact that no discoloration was observed in any of the soils encountered. Boring U-16 was the only exploratory boring in this series (U-14 - U-16) to exhibit a detectable odor and what may possibly have been a visible sheen on the water extracted for laboratory analysis.



During the drilling and sampling of borings E-1 through E-4, a PID (H-nu, model PI 101) was used to qualitatively screen for any volatile organic compounds that might be encountered. A relative scale of zero (0) to two-hundred (200) was used to ascertain the levels of volatile compounds. Readings for each boring are as follows:

TABLE FOUR
PHOTO-IONIZING HYDROCARBON READING
SOIL BORING

<u>Sample</u>	<u>Depth</u>	
	<u>0 - 5 ft.</u>	<u>5 - 10 ft.</u>
E-1	44	45
E-2	44	47
E-3	ND	ND
E-4	55	59

Soil sampling methodologies were performed according to specifications in the Leaking Underground Fuel Tank (LUFT) Investigation and Monitoring Workplan dated 25 October 1991 as submitted to Alameda County Department of Environmental Health.

Soil sample results: The following table summarizes the results of chemical analyses of the soil samples obtained from the exploratory soil borings on 19 December 1991 and 21 January 1992.

TABLE FIVE
SOIL BORING ANALYTICAL RESULTS

Sample Date: 19 December 1991

Sample Location and Depth: E1-3-II 7'-7.5'

<u>Compound</u>	<u>Test Method</u>	<u>Result</u>
Benzene	EPA 8020	ND
Toluene	EPA 8020	ND
Ethylbenzene	EPA 8020	ND
Xylenes	EPA 8020	ND
Gasoline	TFH,EPA 5030	ND
Lead	DOHS ND	



TABLE FIVE - continued

SOIL BORING ANALYTICAL RESULTS

Sample Date: 19 December 1991

Sample Location and Depth: E2-2-II 6'-6.5'

<u>Compound</u>	<u>Test Method</u>	<u>Result</u>
Benzene	EPA 8020	ND
Toluene	EPA 8020	ND
Ethylbenzene	EPA 8020	ND
Xylenes	EPA 8020	ND
Gasoline	TFH,EPA 5030	ND
Lead	DOHS	ND

Sample Location and Depth: E4-1-II 1.5'-2'

<u>Compound</u>	<u>Test Method</u>	<u>Result</u>
Benzene	EPA 8020	8.2ppm
Toluene	EPA 8020	200.0ppm
Ethylbenzene	EPA 8020	110.0ppm
Xylenes	EPA 8020	760.0ppm
Gasoline	TFH,EPA 5030	8000.0ppm
Lead	DOHS	ND

Sample Location and Depth: E6-1-I 4.5'-5'

<u>Compound</u>	<u>Test Method</u>	<u>Result</u>
Benzene	EPA 8020	ND
Toluene	EPA 8020	3.8ppm
Ethylbenzene	EPA 8020	2.2ppm
Xylenes	EPA 8020	22.0ppm
Gasoline	TFH,EPA 5030	110.0ppm
Lead	DOHS	ND



TABLE FIVE - continued

SOIL BORING ANALYTICAL RESULTS

Sample Date: 21 January 1992

Sample Location and Depth: U14-1-I 5.5'-6'

<u>Compound</u>	<u>Test Method</u>	<u>Result</u>
Benzene	EPA 8020	ND
Toluene	EPA 8020	ND
Ethylbenzene	EPA 8020	ND
Xylenes	EPA 8020	ND
Gasoline	TFH,EPA 5030	ND
Lead	STLC 7420	ND
Kerosine	EPA 8015	ND
Diesel	EPA 8015	ND
TRPH ¹	TRH 418.1	140.0ppm

Sample Location and Depth: U15-1-I 5.5'-6'

<u>Compound</u>	<u>Test Method</u>	<u>Result</u>
Benzene	EPA 8020	ND
Toluene	EPA 8020	ND
Ethylbenzene	EPA 8020	ND
Xylenes	EPA 8020	ND
Gasoline	TFH,EPA 5030	ND
Lead	STLC 7420	ND
Kerosine	EPA 8015	ND
Diesel	EPA 8015	ND
TRPH	TRH 418.1	ND

Sample Location and Depth: U16-1-I 5.5'-6'

<u>Compound</u>	<u>Test Method</u>	<u>Result</u>
Benzene	EPA 8020	ND
Toluene	EPA 8020	ND
Ethylbenzene	EPA 8020	ND
Xylenes	EPA 8020	ND
Gasoline	TFH,EPA 5030	ND
Lead	STLC 7420	ND
Kerosine	EPA 8015	ND
Diesel	EPA 8015	ND
TRPH	TRH 418.1	ND

¹ TRPH - Total Recoverable Petroleum Hydrocarbons



TABLE FIVE - continued

SOIL BORING ANALYTICAL RESULTS

Sample Date: 21 January 1992

Sample Location and Depth: U17-1-I 5.5'-6'

<u>Compound</u>	<u>Test Method</u>	<u>Result</u>
Benzene	EPA 8020	ND
Toluene	EPA 8020	ND
Ethylbenzene	EPA 8020	ND
Xylenes	EPA 8020	ND
Gasoline	TFH,EPA 5030	ND
Lead	STLC 7420	ND
Kerosine	EPA 8015	ND
Diesel	EPA 8015	ND
TRPH	TRH 418.1	ND

Sample Location and Depth: U18-1-I 5.5'-6'

<u>Compound</u>	<u>Test Method</u>	<u>Result</u>
Benzene	EPA 8020	ND
Toluene	EPA 8020	ND
Ethylbenzene	EPA 8020	ND
Xylenes	EPA 8020	ND
Gasoline	TFH,EPA 5030	ND
Lead	STLC 7420	ND
Kerosine	EPA 8015	ND
Diesel	EPA 8015	ND
TRPH	TRH 418.1	ND

Sample Location and Depth: U18-2-I 9.5'-10'

<u>Compound</u>	<u>Test Method</u>	<u>Result</u>
Benzene	EPA 8020	ND
Toluene	EPA 8020	ND
Ethylbenzene	EPA 8020	ND
Xylenes	EPA 8020	ND
Gasoline	TFH,EPA 5030	ND
Lead	STLC 7420	ND
Kerosine	EPA 8015	ND
Diesel	EPA 8015	ND
TRPH	TRH 418.1	ND



Installation and Sampling of Temporary Groundwater Monitoring Points:

In order to sample the groundwater in U-14 through U-17 at the time the borings were advanced, a temporary well casing was placed in the annulus. This was to assure that samples of the groundwater could be obtained even if the wall of the annulus sloughed or caved. The casing consisted of a ten foot (10') section of two inch (2") I.D., 020 slotted PVC and five feet (5') of blank two inch (2") PVC. All PVC was decontaminated before being placed into the well annulus.

On 21 January 1992, groundwater samples were collected. Water samples were retrieved from the temporary monitoring points with a decontaminated two inch (2") acrylic bailer and placed into laboratory prepared glass bottles. These were then chilled in a cooler to preserve the original nature of the sample.

Visual and olfactory examination for sheen, floating product, and odor in the water samples was conducted at the time of sample acquisition. A visible sheen was observed in only one sample, U-16. No odors were detected in any of the water samples.

After the water had been sampled, all monitoring points were filled with a neat grout that consisted of five (5) gallons of water per one sack of Nevada Class II cement. This was done to assure that liquids foreign to the groundwater aquifer had no conduit into the aquifer.

Groundwater sampling methodologies were those specified in the LUFT Investigation and Monitoring Workplan dated 25 October 1991 as submitted to Alameda County Department of Environmental Health.

The following table summarizes the results of the chemical analysis of the groundwater samples obtained from the monitoring points.

TABLE SIX

GROUNDWATER ANALYTICAL RESULTS FROM TEMPORARY MONITORING POINTS

Sample Date: 21 JANUARY 1992

Sample Location: U14-A

<u>Compound</u>	<u>Test Method</u>	<u>Result</u>
Kerosine	EPA 8015	2.0ppm
Diesel	EPA 8015	ND
Lead	TTLC 7420	ND
TRPH	TRH 418.1	3.0ppm



TABLE SIX- continued

GROUNDWATER ANALYTICAL RESULTS FROM TEMPORARY MONITORING POINTS

Sample Date: 21 JANUARY 1992

Sample Location: U15-A

<u>Compound</u>	<u>Test Method</u>	<u>Result</u>
Kerosine	EPA 8015	ND
Diesel	EPA 8015	ND
Lead	TTLC 7420	ND
TRPH	TRH 418.1	ND

Sample Location: U16-A

<u>Compound</u>	<u>Test Method</u>	<u>Result</u>
Kerosine	EPA 8015	ND
Diesel	EPA 8015	ND
Lead	TTLC 7420	ND
TRPH	TRH 418.1	18.0ppm

Sample Location: U17-A

<u>Compound</u>	<u>Test Method</u>	<u>Result</u>
Kerosine	EPA 8015	ND
Diesel	EPA 8015	ND
Lead	TTLC 7420	ND
TRPH	TRH 418.1	ND

Sample Collection Equipment and Procedures:

Sample collection methodologies and chain of custody protocols were to those specified pursuant to the "Tri-Regional Board Staff Recommendations for the Investigation of Underground Tank Sites". All other methodologies and operating practices were consistent to the submitted workplan.

Soil

Soil sampling methodologies were performed according to specifications in the Leaking Underground Fuel Tank (LUFT) Investigation and Monitoring Workplan dated 25 October 1991 and 26 February 1992, respectively.



All borings were drilled using a Mobile B-53 drilling rig and four inch (4") inside diameter hollow stem augers. Neither drilling fluid nor air were used to aid the drilling process. Where possible, undisturbed soil samples were acquired by advancing a two inch (2") diameter Modified California or Split Spoon sampler into the soils a minimum of eighteen inches (18") using a one-hundred and forty (140) pound hammer dropped thirty inches (30"). Blow counts were recorded for every one foot (1') segment of the two foot (2') drive, and are included in the boring logs.

The soil samples were retained in clean brass tubes contained within the sampling device. Those samples, acquired for the purpose of chemical analysis, were sealed at both ends with teflon foil sheets and then sealed with plastic end caps and taped. These samples were then sequestered in a chilled ice chest for transportation to an analytical laboratory.

Two brass liners containing soil were retrieved during each sampling drive. One of these two liners, a six inches (6") long by two inch (2") diameter brass tube containing a portion of soil sample was remanded to the custody of the analytical laboratory. The contents of the second tube was analyzed by field methods for volatile organic compounds. This procedure consisted of emptying the contents of the brass tube into a "ziplock" style plastic bag. The bag and its contents were then placed either into direct sunlight or under an alternative heat source for a period of time. The bag was then pierced and the "headspace" within was tested for volatile organic compounds with a portable photoionizing hydrocarbon detection (PID) device. Results of the field analysis for soil borings E-1 through E-4 were presented earlier in this report.

Based upon the "headspace" test results and field observations, samples with apparent contamination were subjected to laboratory analysis at the discretion of the site supervisor. A sample from the first or second interval below the level believed to be contaminated was analyzed to facilitate assessment of the vertical extent of contamination.

Groundwater:

All groundwater sampling activities were performed according to specifications in the Leaking Underground Fuel Tank (LUFT) Monitoring Workplan dated 26 February 1992 submitted to Alameda County Department of Environmental Health.

Groundwater samples were obtained with a clean bailer, and placed in appropriate sample containers prepared and provided by the analytical laboratory. The samples were acidified to the appropriate pH in order to assure preservation. The containers were placed on ice in an ice chest and immediately transported to a State of California approved analytical laboratory.

Statement of Findings for Soil and Groundwater:

Soil samples from all eighteen (18) borings were collected, however only those samples that exhibited high potential for contamination were analyzed. All



samples were checked for visual and olfactory evidence of contamination. A layer of silty sand that existed from two to five feet (2'-5') below the ground surface, was noted to be blackish gray in color. A faint odor was also present in the discolored sand strata. This was construed to be evidence of possible contamination. Chemical analysis of the soil samples revealed that three (3) borings, E4, E6, and U14, contained varying levels of contamination.

Groundwater samples were collected from monitoring points U-14 through U-17 for laboratory analysis. Low concentrations of petroleum hydrocarbons were found in the samples from temporary monitoring points U14 and U16. There were no detected hydrocarbon impurities in the groundwater samples obtained from U15 and U17.

Based upon the chemical analysis and locations of all soil and water samples, it appeared that a localized area of the property had been impacted by a leakage of gasoline (Plate 3, Appendix A). This area included that portion of the site beginning forty feet (40') from the south-west property corner, thence northward sixty-four feet (64'), thence eastward in an arc with a radius of thirty-two feet (32') back to the point of beginning. This study area resided exclusively on property owned by Dolan Foster Enterprises and did not extend to any property belonging to city or state entities. This area also coincides with older aerial photos as being the site of a now removed gasoline pump island. It can be conjectured that the pump island pipe connections were the source of the gasoline leakage. Soil sample analysis indicates that contamination within this area has not penetrated more than eight to nine feet (8'-9') below the ground surface. This can likely be attributed to a stratigraphic layer of lightly cemented silty sand that acts as a confining layer. However, the presence of the confining layer did not prevent contaminants from entering the groundwater in the area of boring U14.

Two working hypothesis have been formulated as to how the contaminants entered into the groundwater. They are as follows:

1. Even though there is no documented proof of gasoline storage tanks being interred in the ground where the existing Taco Bell restaurant resides, the possibility exists that the gasoline entered the groundwater at a point where the gasoline storage tanks may have been buried. However, due to the lack of contamination in three (3) borings proximal to this alleged gasoline tank storage site, the probability is low that the contamination emanated from that point on the subject site.
2. It is possible that the source of the groundwater contamination was a release within the defined area of soil contamination. It is suspected that the gasoline migrated into the groundwater via the utility trenches that have been dug near the suspected leak site (from underneath the old pump island). These trenches include gas, water, electrical, and sewer lines. Any trench that penetrated the confining layer would serve as a conduit into the groundwater for contaminants that exists in the soil. This hypothesis seems to be the more probable of the two.



SITE REMEDIATION

Site remediation was conducted in accordance to the LUFT Monitoring Workplan and Summary Reports dated 26 February 1992 and 2 March 1992, respectively.

Field Observations:

On 1, 2, and 3 June 1992, soils were removed from the area where the former tank dispensers were located. Only native soils registering PID measurements above five (5) ppm or emitting chemical odors were removed from the excavation site. Additionally, soils from the bottom and the sidewalls of the excavation, registering elevated PID readings, were removed to depths varying from four to six feet (4'-6') below grade, as observed by Eva Chu of the Alameda County Environmental Health Department (ACEHD). Excavation boundaries and depth contours are shown on Plate 12, Appendix A.

Native soils encountered at depths to six feet (6') below grade emitted strong chemical odors and registered fifty to two-hundred (50-200) on a relative scale as organic vapor on a PID. The highest chemical concentrations in the soils appeared to be in the upper three to six feet (3'-6') of strata. These soils were removed. The excavated soils were stockpiled on the designated area. The PID measurements of soil suggest that the chemical concentrations in the soils were greatly reduced at the depth of seven feet (7') below grade. Specifically, reductions in contaminant levels were observed at the seven foot (7') depth and away from the previously located fuel storage tank and associated plumbing.

Approximately three-hundred (300) cubic yards of native soils were removed from the excavation. All trucking, excavation and backfilling was performed by V.C.I. Construction Corporation, registered DOT, DMV, EPA, etc. Asphalt concrete was removed using mechanical equipment, placed in a "dump truck" and transported from the site. Soils were excavated and transported to a dedicated area in the parking lot that had been properly prepared to receive the soil for stockpiling. The designated area was prepared by covering the area with overlapping plastic sheeting. The stockpile was located on the north half of the parking lot, as depicted on Plate 13, Appendix A. The stockpile was covered with plastic sheeting until aeration was initiated.

Soil and water samples were collected from the excavation bottom and sidewalls under the observation and direction of Eva Chu, Alameda County Environmental Health & Hazardous Waste Specialist. Sample locations are depicted on Plate 12, Appendix A. Analysis results for the soil and groundwater samples collected from the excavation bottom and sidewalls are outlined in the following tables.



TABLE SEVEN

EXCAVATION SITE SAMPLE ANALYTICAL RESULTS

Sample Date: 3 JUNE 1992

SOIL

Sample No.

<u>Compound</u>	<u>Test Method</u>	<u>#1</u>	<u>#2</u>	<u>#3</u>	<u>#4</u>
Benzene	EPA 8020	ND	ND	ND	ND
Toluene	EPA 8020	ND	ND	ND	ND
Ethylbenzene	EPA 8020	ND	ND	ND	ND
Xylenes	EPA 8020	ND	ND	ND	ND
Gasoline	TFH,EPA 5030	ND	ND	ND	ND

SOIL

Sample No.

<u>Compound</u>	<u>Test Method</u>	<u>#5</u>	<u>#6</u>	<u>#7</u>	<u>#8</u>
Benzene	EPA 8020	ND	ND	ND	ND
Toluene	EPA 8020	ND	ND	ND	ND
Ethylbenzene	EPA 8020	ND	ND	ND	ND
Xylenes	EPA 8020	ND	ND	ND	ND
Gasoline	TFH,EPA 8020	ND	ND	ND	ND

WATER

Sample No.

<u>Compound</u>	<u>Test Method</u>	<u>#9</u>	<u>#12</u>
Benzene	EPA 602	29.0ppb	16.0ppb
Toluene	EPA 602	130.0ppb	400.0ppb
Ethylbenzene	EPA 602	ND	200.0ppb
Xylene	EPA 602	2800.0ppb	2300.0ppb
Gasoline	TFH,EPA 5030	29.0ppm	21.0ppm

Excavation Backfilling:

The excavated area was backfilled and compacted with pit run to a depth of two feet (2') below the ground surface. Aggregate base was then used to backfill the remainder of the excavation. All backfill was compacted to 90% of the maximum dry density of



the material being used. The area was left unpaved as construction of a new restaurant was pending and the original Taco Bell Restaurant was scheduled to be demolished.

Soil Aeration:

The approximately three-hundred (300) cubic yards of petroleum tainted native soils from beneath and adjacent to the gasoline dispenser islands were aerated on site under permit issued by the Bay Area Air Quality Management Department (BAAQMD), (a copy of the permit is in the custody of Dolan Foster). The area used for aeration was lined with 10-mil. overlapping plastic sheeting and enclosed by an existing fence. Soils were spread in an approximately two feet to three feet (2'-3') thick layer over the area. Soils were initially turned and spread using backhoe and loader equipment. Once the soils were spread evenly over the area, discing equipment was used to mix, turn, and break up soil clods. Discing of the soils was performed twice weekly for a period of three (3) weeks by V.C.I. Construction until the soils were relatively dry and consistent in character (mixing of the clay and sand soils resulted in a loose, clayey sand).

After mixing and turning the soil for two (2) weeks, soil samples were collected on 15 June 1992 according to BAAQMD guidelines for laboratory analysis. Four (4) soil samples were obtained and are identified as SW #1, Center #2, NE #3, and NW #4. Sample identifications correspond to the southwest corner, center, northeast corner and northwest corner of the stockpile, respectively. Soil sample locations are depicted on Plate 13, Appendix A.

After two (2) weeks of soil mixing in the stockpile, results of the chemical analyses of soil samples collected from the stockpile are as follows:

TABLE EIGHT

STOCKPILE SOIL ANALYTICAL RESULTS

Sample Date: 15 JUNE 1992

Sample ID

<u>Compound</u>	<u>Test Method</u>	<u>S.W. #1</u>	<u>Center #2</u>	<u>N.E. #3</u>
Benzene	EPA1311/5030/8020	ND	0.9ppb	ND
Toluene	EPA1311/5030/8020	1.3ppb	5.6ppb	1.1ppb
Ethylbenzene	EPA1311/5030/8020	0.9ppb	5.8ppb	0.5ppb
Xylene	EPA1311/5030/8020	45.0ppb	40.0ppb	5.5ppb

<u>Compound</u>	<u>Test Method</u>	<u>N.W. #4</u>
Sulfide	Standard 9030	ND
Flashpoint	EPA 1010	> 140°F
Cyanide	EPA 9010	ND
pH	EPA 9045	8.6



These results indicate that the soils were sufficiently aerated to allow disposal off site. As a result, further characterization was not deemed necessary by B.F.I. Waste Systems, the receiver of the remediated soil. The stockpile soils were removed from the subject property by B.F.I. Waste Systems (a copy of the manifest is in the custody of Dolan Foster).

Further Subsurface Characterization:

On 6 July 1992, Dolan Foster Enterprises demolished the existing Taco Bell Restaurant so as to construct a new facility. This allowed access to an area that was predetermined to be the former tank field. During the destruction of the building, a previously, unknown waste oil storage vessel was discovered.

To characterize the former tank field, three (3) soil borings were drilled under the direction of the Field Geologist on 13 July 1992. Soil samples were then acquired from each boring where there was either a change in lithology or at elevations where contamination was obvious by sense of smell. Boring/sample locations are depicted on Plate 13, Appendix A and are identified as West Tank, East Tank and Waste Oil. The Waste Oil boring was placed at the site of the waste oil container. The West Tank soil sample was retained from five feet (5') below the ground surface. The East Tank soil sample was retained from five feet (5') and ten feet (10') below the ground surface. Two (2) soil samples were collected from the Waste Oil boring. The first sample was acquired from five feet (5') to six feet (6') below ground surface, i.e., two feet (2') to three feet (3') beneath the bottom of the waste oil container. The second sample was taken from nine feet (9') to ten feet (10') below ground surface. Soils encountered during the drilling of West Tank (E-19) and East Tank (E-20) borings were logged and are graphically presented on Plate 7, Appendix A.

Soil sample results: The following table summarizes the results of chemical analyses of the soil samples obtained from the former tank field.

TABLE NINE

FORMER TANK FIELD SOIL ANALYTICAL RESULTS

Sample Date: 13 JULY 1992

Sample Location and Depth: West Tank 5'

<u>Compound</u>	<u>Test Method</u>	<u>Result</u>
Benzene	EPA 8020	ND
Toluene	EPA 8020	ND
Ethylbenzene	EPA 8020	ND
Xylenes	EPA 8020	ND
Gasoline	TPH,EPA 5030	ND
Kerosine	EPA 8015	ND
Diesel	EPA 8015	4.0ppm



TABLE NINE- continued

FORMER TANK FIELD SOIL ANALYTICAL RESULTS

Sample Date: 13 JULY 1992

Sample Location and Depth: East Tank 5' 10' composite

<u>Compound</u>	<u>Test Method</u>	<u>Result</u>
Benzene	EPA 8020	0.21ppm
Toluene	EPA 8020	ND
Ethylbenzene	EPA 8020	ND
Xylenes	EPA 8020	0.49ppm
Gasoline	TPH,EPA 5030	33.0ppm
Kerosine	EPA 8015	22.0ppm
Diesel	EPA 8015	12.0ppm

Sample Location and Depth: Waste Oil Barrel 2' 3' composite

<u>Compound</u>	<u>Test Method</u>	<u>Result</u>
Gasoline	TPH,EPA 5030	ND
Kerosine	EPA 8015	ND
Diesel	EPA 8015	8.0ppm
Oil & Grease	EPA 418.1	ND

Sample Location and Depth: Waste Oil Barrel 10'

<u>Compound</u>	<u>Test Method</u>	<u>Result</u>
Gasoline	TPH,EPA 5030	ND
Kerosine	EPA 8015	ND
Diesel	EPA 8015	4.0ppm
Oil & Grease	EPA 418.1	ND

The waste oil storage vessel, its contents and the surrounding soils were removed and disposed of at B.F.I. Waste Systems on Vasco Road in Livermore, California (copy of manifest is in the custody of Dolan Foster).



GROUNDWATER MONITORING WELL INSTALLATION:

On 13 and 14 August 1992, LRA Environmental constructed four (4) groundwater monitoring wells (MW) on the subject property. MW1, MW2, and MW3 were drilled to a terminal depth of eighteen feet (18'). MW4 was drilled to a terminal depth of nineteen feet (19'). All wells were constructed in accordance to the methods outlined in the LUFT Monitoring Workplan, dated February 26, 1992. Well placement were in accordance with the Regional Water Quality Board guidelines (i.e., one well upgradient, two wells down gradient and one well within ten feet (10') of the original contamination source in the verified downgradient direction). The location of the MWs are depicted on Plate 14, Appendix A. MW1, MW2, MW3, and MW4 were drilled under permit #92387 issued by the Alameda County Flood Control and Water Conservation District (well completion reports and permit are attached in Appendix C).

Once the water level in each well was established, quarterly groundwater monitoring was initiated. The first sampling event was conducted on 4 January 1993. Subsequent sampling events were conducted on 1 September 1993, 6 December 1993, and 14 April 1995. The Third and Fourth Quarter Groundwater Monitoring Reports dated 20 October 1993 and 27 January 1994, respectively, submitted by LRA Environmental are in the possession of Alameda County Department of Environmental Health.

Water and Product Level

The water level in each monitoring well was first measured on 1 January 1993 relative to mean sea level (MSL) datum as determined by available local monuments. The elevation of the top of the well case was established as +4.27 feet (MSL), +4.77 feet (MSL), +4.21 feet (MSL), and +4.65 feet (MSL) for MW1, MW2, MW3, and MW4, respectively. Subsequent water level measurements were recorded on 4 January 1993, 1 September 1993, 6 December 1993, and 14 April 1995.

A Solinst Water Level Gauge was used to determine the water level in each monitoring well. Water level measurements were made to the nearest tenth (1/10th) of a foot.

The well elevation and depth to groundwater are presented in tabular form as follows:



TABLE TEN
RELATIVE WATER SURFACE ELEVATIONS

MW1 - Water

Date	Elevation Top of Casing	Depth to Water	Water Surface Elevation
4 January 1993	4.27'	3.30'	+ .97' MSL
1 September 1993	4.27'	4.44'	-.17' MSL
6 December 1993	4.27'	3.61'	+ .66' MSL
14 April 1995	4.27'	3.68'	+ .59' MSL

MW2 - Water

4 January 1993	4.77'	3.10'	+ 1.67' MSL
1 September 1993	4.77'	4.03'	+ .74' MSL
6 December 1993	4.77'	4.08'	+ .69' MSL
14 April 1995	4.77'	3.18'	+ 1.59' MSL

MW3 - Water

4 January 1993	4.21'	3.10'	+ 1.11' MSL
1 September 1993	4.21'	3.52'	+ .69' MSL
6 December 1993	4.21'	3.58'	+ .63' MSL
14 April 1995	4.21'	3.10'	+ 1.11' MSL

MW4 - Water

19 January 1993	4.65'	1.47'	+ 1.11' MSL
1 September 1993	4.65'	3.61'	+ 1.04' MSL
6 December 1993	4.65'	4.35'	+ .30' MSL
14 April 1995	4.65'	3.48'	+ 1.17' MSL

Groundwater gradients and elevations for each sampling event were calculated and graphically presented on Plate 15-18, Appendix A.



After the depth to water in each monitoring well was established, and prior to purging the well, a water sample was collected in a clear acrylic bailer. The sample was visually assessed for the presence of free product and/or sheen, and detectable odor by sense of smell. No free product, sheen, or any detectable odors were detected in the water samples collected during the 4 January 1993, 1 September 1993, 6 December 1993 and 14 April 1995 sampling events for the four (4) monitoring wells.

Purging Procedures:

After assessing the water for free product and sheen, groundwater samples were acquired for the purpose of chemical analysis from each of the monitoring wells. Each monitoring well was purged by using a four inch (4") submergeable pump. The pump was decontaminated before purging each monitoring well pursuant to the approved workplan. After the depth of water was established, the wetted casing volume was determined for each monitoring well. Five (5) wetted casing volumes were pumped from the each monitoring well. The water level in the monitoring well was allowed to recover to a minimum of eighty (80) percent of the wetted casing volume prior to obtaining the samples to be subjected to chemical analysis. Water quality parameters including pH, temperature, salinity, and specific conductivity were monitored for every casing volume purged. Each well was considered stable when three (3) consecutive well casing volumes were purged exhibiting the characteristics outlined in the following table.

TABLE ELEVEN

PURGE STABILIZED CHARACTERISTICS

pH: plus or minus 0.1

Temperature: plus or minus 0.5 degrees fahrenheit

Specific conductivity: plus or minus 1.0%

The water quality parameters were logged in the field at the time the well was purged and sampled and cumulative parameter tables for each well are included in Appendix B.

The monitoring equipment employed on this project include a pH meter (Bantex model LCD-5), an electrical conductivity, salinity, and temperature meter (YSI model 33 S-C-T meter), and a photo-ionizing hydrocarbon detector (H-nu, model PI 101).

Groundwater Quality Analysis:

A comprehensive table of all groundwater sampling events and analytical results for the subject property is presented in Appendix D. The following table summarizes the results of the chemical analysis of the groundwater samples obtained from MW1, MW2, MW3 and MW4.



TABLE TWELVE

GROUNDWATER ANALYTICAL RESULTS

Sample Date: 4 January 1993

<u>Constituent</u>	<u>Test Method</u>	<u>MW1</u>	<u>MW2</u>	<u>MW3</u>	<u>MW4</u>
Benzene	EPA 602	ND	ND	ND	ND
Toluene	EPA 602	ND	ND	ND	ND
Ethylbenzene	EPA 602	ND	ND	ND	ND
Xylenes	EPA 602	ND	ND	ND	ND
Diesel	TPH,EPA8015mod.	ND	ND	ND	ND
Kerosene	TPH,EPA8015mod.	ND	ND	ND	ND
Gasoline	TPH,EPA5030	ND	ND	ND	ND
Oil & Grease	EPA 418.1	ND	ND	ND	ND

Sample Date: 1 September 1993

<u>Constituent</u>	<u>Test Method</u>	<u>MW1</u>	<u>MW2</u>	<u>MW3</u>	<u>MW4</u>
Benzene	EPA 5030/602	ND	ND	ND	ND
Toluene	EPA 5030/602	ND	ND	ND	ND
Ethylbenzene	EPA 5030/602	ND	ND	ND	ND
Xylenes	EPA 5030/602	ND	ND	ND	ND
Diesel	TPH,EPA3510/8015	ND	ND	ND	ND
Kerosene	TPH,EPA3510/8015	ND	ND	ND	ND
Gasoline	TPH,EPA5030/8015	ND	ND	ND	ND
Oil & Grease	EPA 3510/9070	ND	ND	30.0ppm	ND

Sample Date: 6 December 1993

<u>Constituent</u>	<u>Test Method</u>	<u>MW1</u>	<u>MW2</u>	<u>MW3</u>	<u>MW4</u>
Benzene	EPA 5030/602	ND	ND	ND	ND
Toluene	EPA 5030/602	ND	ND	ND	ND
Ethylbenzene	EPA 5030/602	ND	ND	ND	ND
Xylenes	EPA 5030/602	ND	ND	ND	ND
Diesel	TPH,EPA3510/8015	ND	ND	ND	ND
Kerosene	TPH,EPA3510/8015	ND	ND	ND	ND
Gasoline	TPH,EPA5030/8015	ND	ND	ND	ND
Oil & Grease	EPA 3510/9070	ND	5.5ppm	ND	ND

Sample Date: 25 April 1995

<u>Constituent</u>	<u>Test Method</u>	<u>MW1</u>	<u>MW2</u>	<u>MW3</u>	<u>MW4</u>
Oil & Grease	EPA 3510/9070	ND	ND	ND	ND



Statement of Findings for Quarterly Groundwater Monitoring:

The groundwater samples acquired from MW1, MW2, MW3, and MW4 during the 4 January 1993 were free of detectable concentrations of oil and grease. At the time samples were collected, the well coverings were observed to be intact, and no runoff water had ponded in the annular space inside the wellhead.

The groundwater samples acquired from MW1, MW2, and MW4 on 1 September 1993 were free of detectable concentrations of oil and grease. MW3 produced a groundwater sample that contained thirty milligrams per litre (30.0 mg/l) of oil and grease. At the time that the groundwater sample was collected from MW3, it was observed that the well cover had been tampered with; runoff water had collected in the annular space between the outer and inner casing. MW3 is located adjacent to the southern terminus of the drive through. The franchise operator routinely cleans the oil buildup from this concrete drive. The tainted wash-water's flow path to the nearest storm drain directly traverses MW3. The unsecured well cover allowed a possible conduit for the tainted water to infiltrate MW3.

The groundwater samples collected from MW1, MW3, and MW4 on 6 December 1993 were free of detectable concentrations of oil and grease. In this sampling round MW2 was tainted with oil and grease in excess of the analytical method reporting limit. The reported concentration was five point five milligrams per litre (5.5 mg/l). At the time that the groundwater sample was acquired from MW2, the well cover was observed to have been damaged or disturbed; runoff water had collected in the annular space inside the wellhead. Allowing a possible conduit for tainted runoff water to enter MW2.

The groundwater samples collected from MW1, MW2, MW3, and MW4 on 25 April 1995 were free of detectable concentrations of oil and grease. At the time that the groundwater samples were collected, all well covers were observed to be intact; no runoff water had collected in the annular space inside the wellhead.

The detection of oil and grease in MW2 and MW3 only occurred when their well covers had been disturbed and provided a direct pathway for the tainted runoff water to enter the groundwater. Sampling events, 4 January 1993 and 25 April 1995, were consistent and groundwater samples taken from each well were free of detectable levels of oil and grease. In these two sampling events all well covers were intact and undisturbed. There is no reproducible pattern in terms of the wells that produced detectable concentrations of oil and grease, nor is there any consistency in the amounts of product detected in the samples. In accordance to the 17 March 1994 correspondence from Alameda Department of Environmental Health (copy attached in Appendix C), well heads were repaired to prevent surface intrusion, and an additional set of groundwater samples were collected. The 25 April 1995 sampling event produced non detectable levels of oil and grease for all wells and it may be inferred the source of contamination was from tainted runoff via the disturbed cap and not from previous releases at the site.



Analytical Protocols:

Groundwater samples remanded to the custody of the analytical laboratory were tested pursuant to U.S.E.P.A. Test Methods 8015 modified and 3510/8015 (TPH as Diesel and Kerosene), 5030/8015 (TPH as Gasoline), 3510/9070 (Total Oil and Grease), and 5030/602 (BTEX). Samples collected on 25 April 1995 were only tested for Total Oil and Grease.

Quality Assurance/Quality Control Procedures:

Quality assurance and quality control (QA/QC) procedures in the laboratory setting consisted of those measures commonly employed to insure the accuracy and quality of the data generated from the laboratory analysis of the individual soil and water samples. The minimum QA/QC procedures for this investigation consisted of spike analysis, duplicate analysis, standard reference sample (when applicable), and the use of "blanks" as mandated by the prevailing standards of care. Laboratory QA/QC procedures for all samples were typical of those used to meet all state and federal mandates.

Equipment Decontamination Procedures:

Sampling equipment such as bailers, pumps etc. were decontaminated between uses by washing in an appropriate detergent solution followed by two (2) tap and one (1) distilled water rinses. Purge pumps and other related hardware were decontaminated prior to each use. The pump interiors were decontaminated by circulating an appropriate detergent solution through the pump, followed by a fresh water rinse.

Disposal of Contaminated Material:

All water obtained from the sampling of the groundwater monitoring wells was placed in approved drums which were sealed, labeled, and stored on site prior to disposal which was conditional upon analytical results.

CONCLUSIONS

The analytical results for monitoring wells 1, 2, 3, and 4 indicate no detectable levels of petroleum contamination. Monitoring wells 1, 2, 3, and 4 also had no detectable levels of Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX).

The analytical results for Monitoring Wells MW1 and MW4 have remained consistent for two (2) Consecutive quarters. Monitoring wells MW2 and MW3 have produced consistent results for TPH (G)(D)(K) and BTEX, however they have not produced consistent results for total oil and grease. Third quarter analytical results indicated "ND" for MW2 and 30 milligrams per liter of oil and grease in MW3. The fourth quarter results indicated "ND" for MW3 and 5.5 milligrams oil and grease in the groundwater acquired from MW2. However, the most recent lab analysis indicates "ND" for total oil and grease in both MW2 and MW3.



LRA has concluded that the third quarter results for MW3 and the fourth quarter results for MW2 were anomalous and should not be looked at as indications of residual contamination. Anecdotal information gleaned by LRA Environmental indicates that the "traffic rated" well covers were either forcefully breached or tampered with, thus allowing oil laden storm water runoff from the parking lot to fill the annular space between the well casing and the sides of the cover. LRA believes that this last set of data confirms that this occurred. Neither well produced oil tainted groundwater samples after the well cover were repaired and sealed.

RECOMMENDATIONS

It is our recommendation, based on the results from groundwater analysis that this site be closed, and all wells be abandoned in accordance with the applicable local, state, and federal regulations.

SIGNATURE STATEMENT

This closure report has been prepared by the staff of **LRA ENVIRONMENTAL** and has been reviewed and approved by the "professionals" whose signatures appear below.

The recommendations, specifications, and methodologies presented herein were prepared and presented, within the parameters set by the California Regional Water Quality Control Board, in accordance to generally accepted engineering practices at the time that this technical report was prepared, and are true and correct to the best of our knowledge. No other warranty is expressed or implied. This report was prepared through the use of information and data provided by others. **LRA ENVIRONMENTAL** in no way warrants the validity or accuracy of any information provided by these sources.



SIGNATURE PAGE

LRA ENVIRONMENTAL

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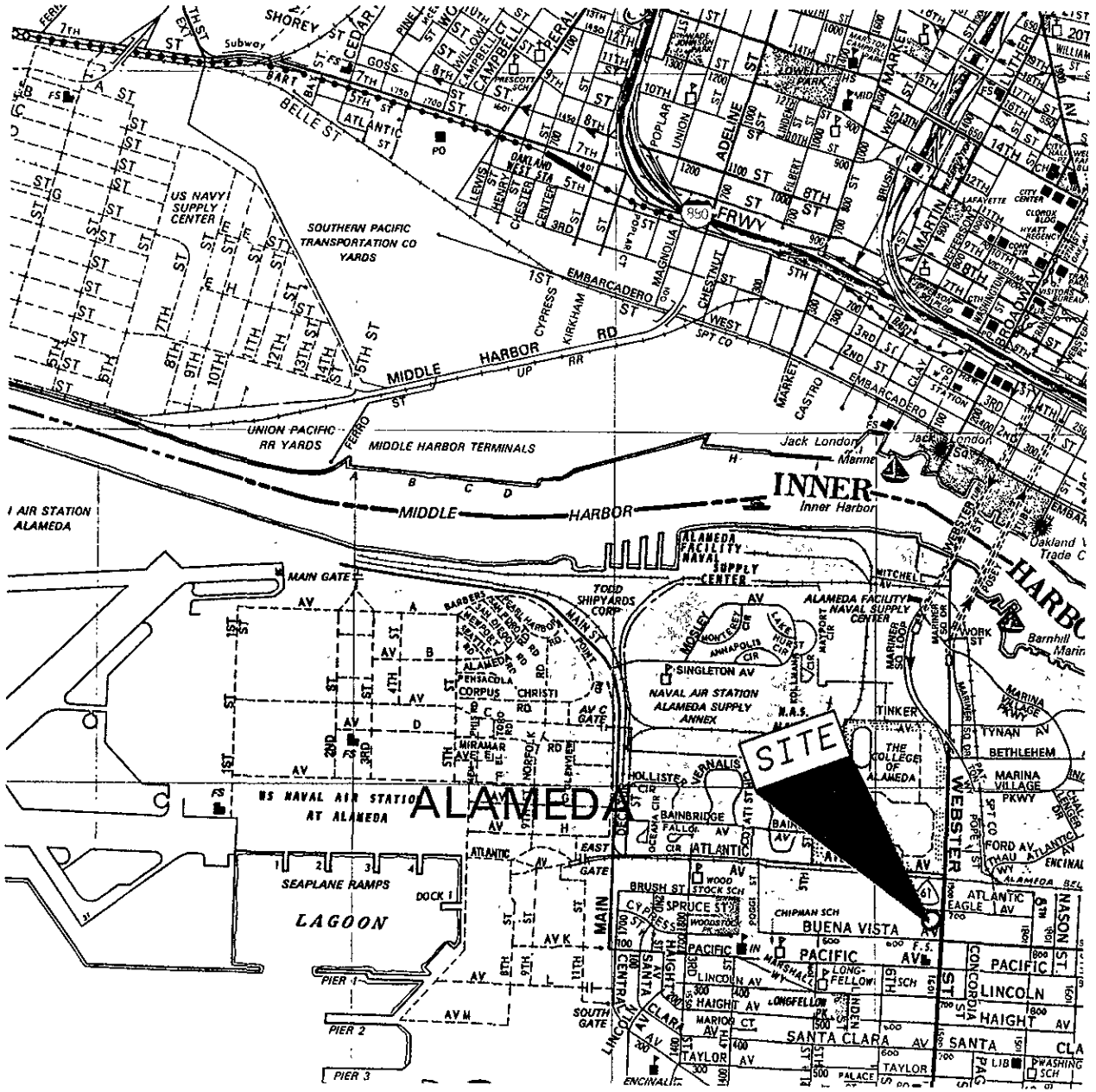
Laver L. Roper

Laver L. Roper
REA# 01234, RCE# 15555
President



APPENDIX A

- o Vicinity Map
- o Location Map
- o Location Map - Soil Borings
- o Soil Profile and Boring Log E-1, E-2, E-3, & E-4
- o Soil Profile and Boring Log E-5, E-6, E-7, & E-8
- o Soil Profile and Boring Log E-9, E-10, E-11, & E-12
- o Soil Profile and Boring Log E-13, E-19, & E-20
- o Soil Profile and Boring Log U-14, U-15, U-16, & U-17
- o Soil Profile and Boring Log U18
- o Soil Profile Legend
- o Location Map - Excavation
- o Location Map - Stockpile
- o Location Map - MWs
- o Groundwater Gradient Diagram, 4 January 1993
- o Groundwater Gradient Diagram, 1 September 1993
- o Groundwater Gradient Diagram, 6 December 1993
- o Groundwater Gradient Diagram, 14 April 1995

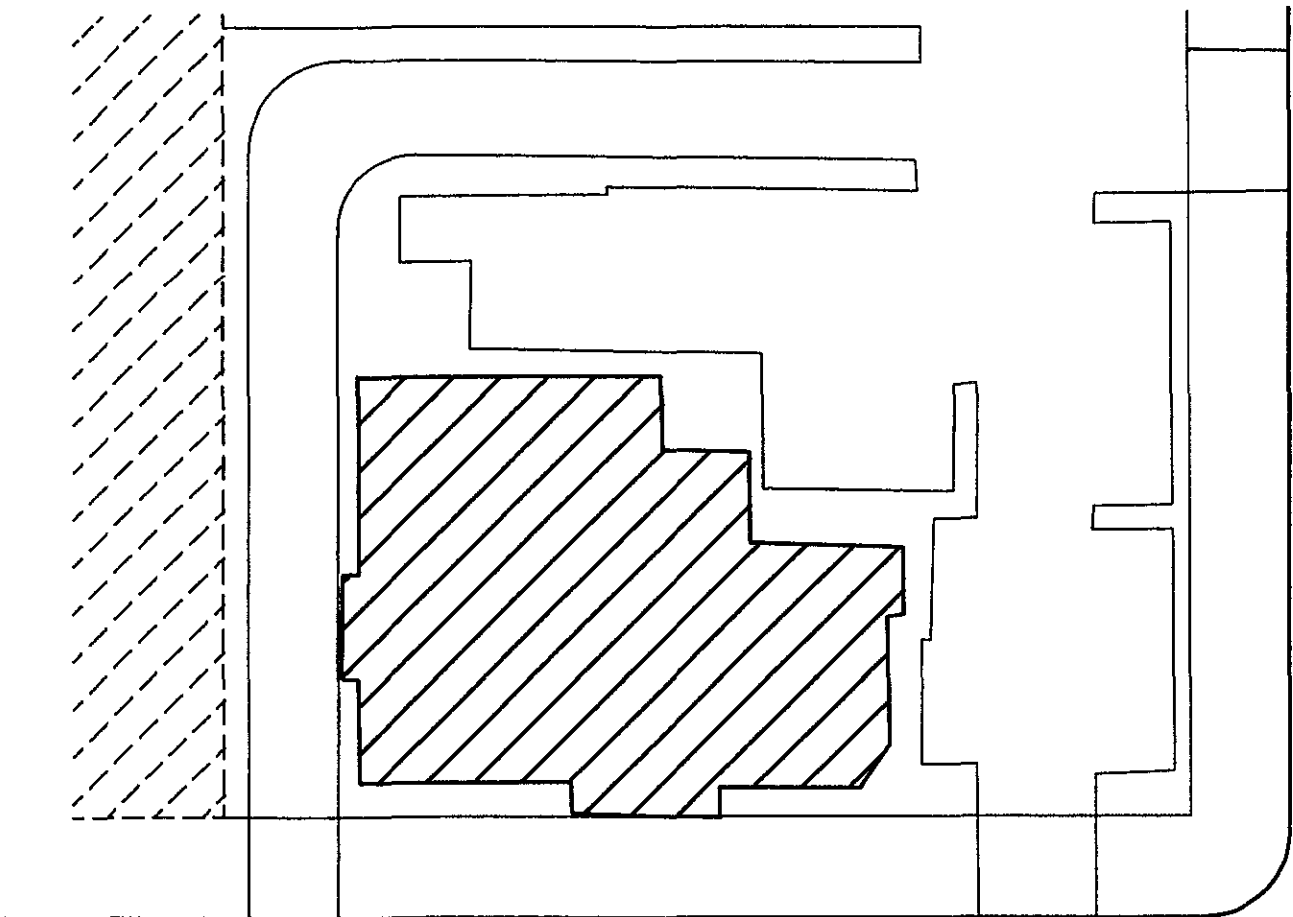


I AIR STATION ALAMEDA

NOT TO SCALE

CLOSURE REPORT TACO BELL 1900 WEBSTER STREET ALAMEDA, CALIFORNIA	
VICINITY MAP	
LRA ENGINEERING GEOTECHNICAL SERVICES - ENGINEERING LABORATORIES 3285 SUNRISE BLVD., SUITE 5 - RANCHO CORDOVA, CA	
DATE	20, DEC. 95
DRWG. NO.	E9170
PLATE NUMBER 1	



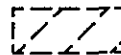


WEBSTER STREET

EAGLE STREET



PRESENT STRUCTURE



PARKING LOT



NOT TO SCALE

**CLOSURE REPORT
TACO BELL**

1900 WEBSTER STREET
ALAMEDA, CALIFORNIA

LOCATION MAP



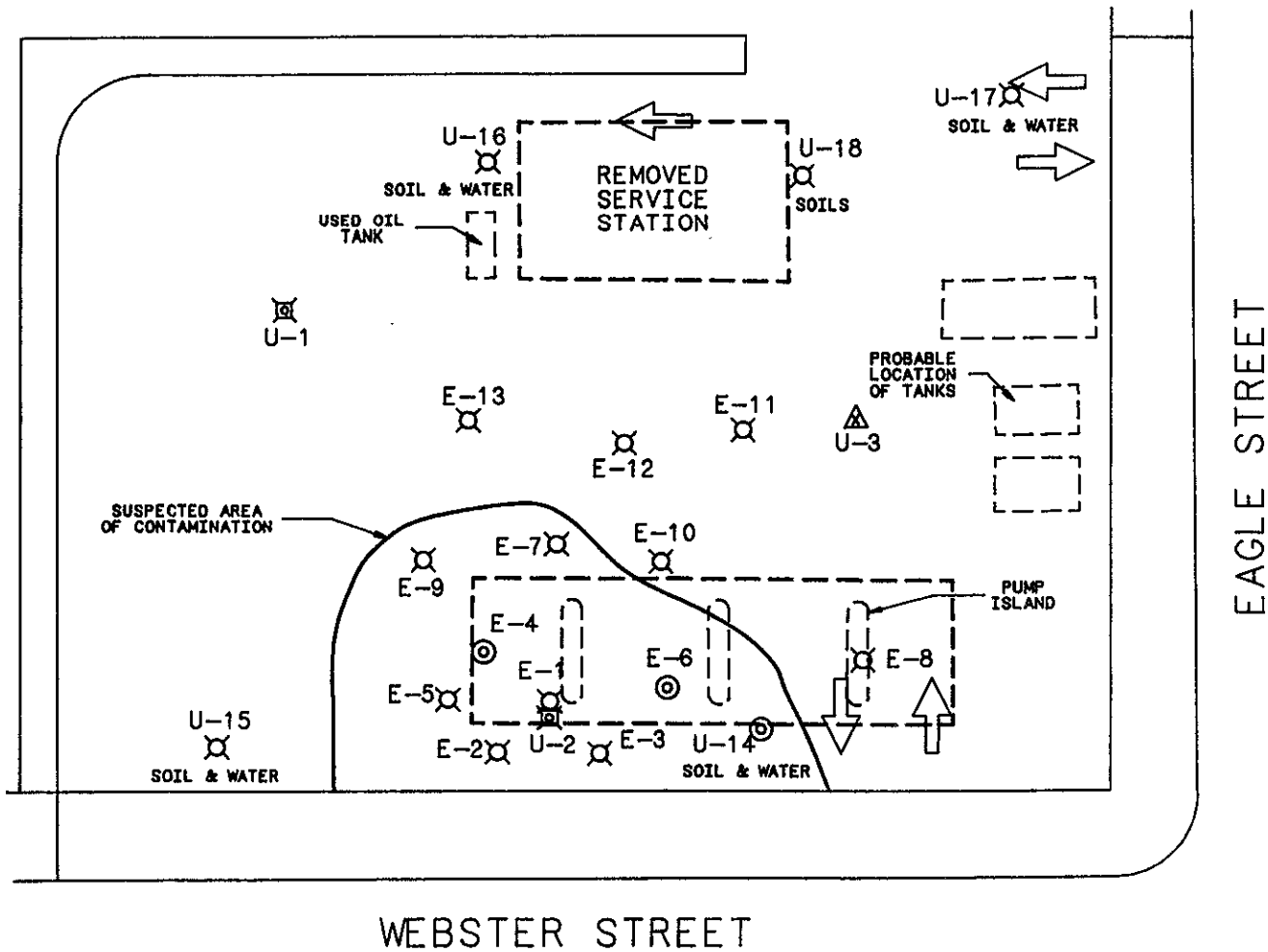
LRA ENGINEERING

3235 SUNRISE BLVD, SUITE 5
RANCHO CORDOVA CA 95742

DATE 20, DEC. 95
DRWG. NO. E9170

PLATE NUMBER 2



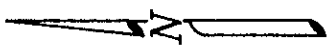


NOTE

LOCATION OF FORMER BUILDING AND TANK SITES TAKEN FROM SITE MAPS DRAWN IN THE YEARS 1951 AND 1968 PER THE EXXON COMPANY, U.S.A. IN CONCORD, CA.

LEGEND

- ⊗ EXPLORATORY BORINGS—DESIGNATED "E"
- △ GEOTECHNICAL 1 DRIVE BORING—DESIGNATED "U"
- ⊠ GEOTECHNICAL 3 DRIVE BORINGS—DESIGNATED "U"
- ⊙ EXPLORATORY BORINGS—CONTAMINATED—DES. "E"
- FORMER TANK LOCATIONS
- LOCATION OF FORMER STRUCTURES



NOT TO SCALE

**CLOSURE REPORT
TACO BELL**
1900 WEBSTER STREET
ALAMEDA, CALIFORNIA

LOCATION MAP - SOIL BORINGS

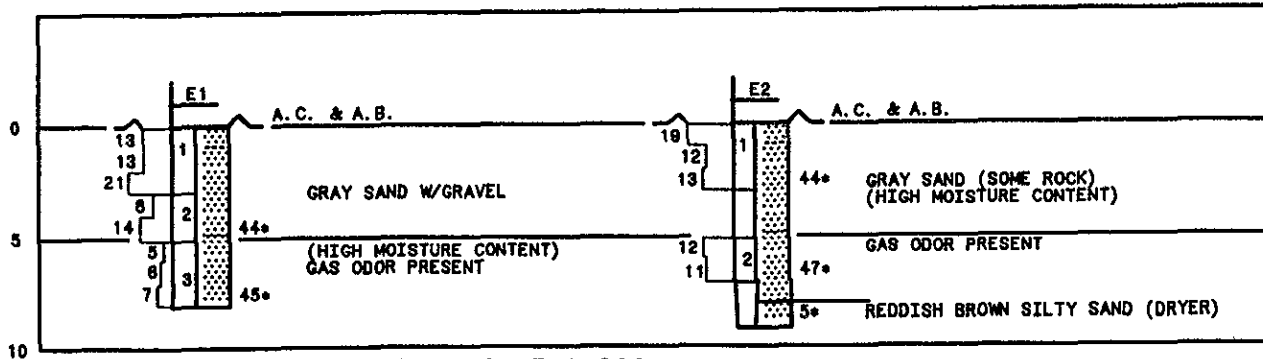
LRA ENGINEERING
3235 SUNRISE BLVD, SUITE 5
RANCHO CORDOVA CA 95742

DATE 20, DEC. 95
DRWG. NO. E0170

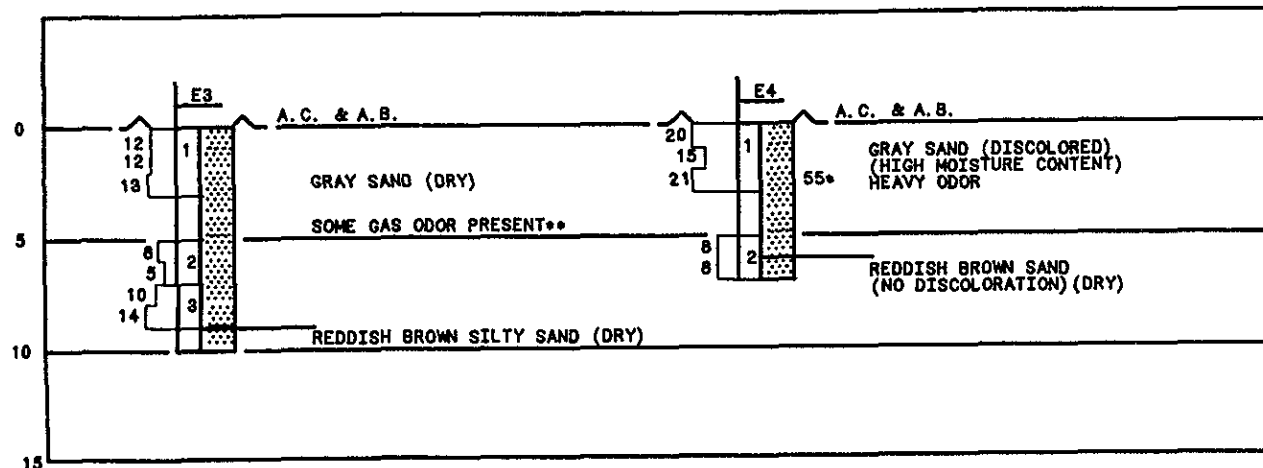
PLATE NUMBER 3



DEPTH IN FEET



* H-HU READING—RELATIVE SCALE 0-200



** NON-DETECTABLE READING
HOWEVER, DETECTED BY SENSE OF SMELL

SCALE
50 40 30 20 10 0
BLOWS PER FOOT

**CLOSURE REPORT
TACO BELL
1900 WEBSTER STREET
ALAMEDA, CALIFORNIA**

SOIL PROFILE

LRA ENGINEERING
GEOTECHNICAL SERVICES - ENGINEERING LABORATORIES
3235 SUNRISE BLVD., SUITE 3 - RANCHO CORDOVA, CA

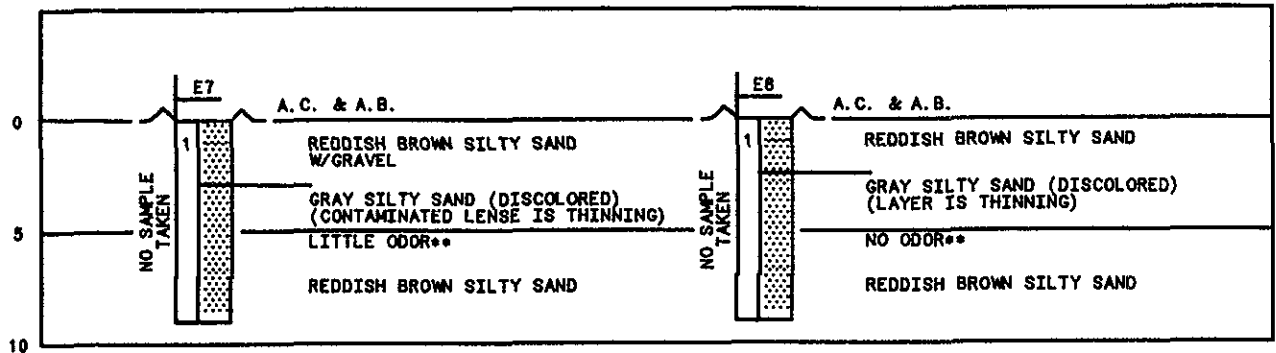
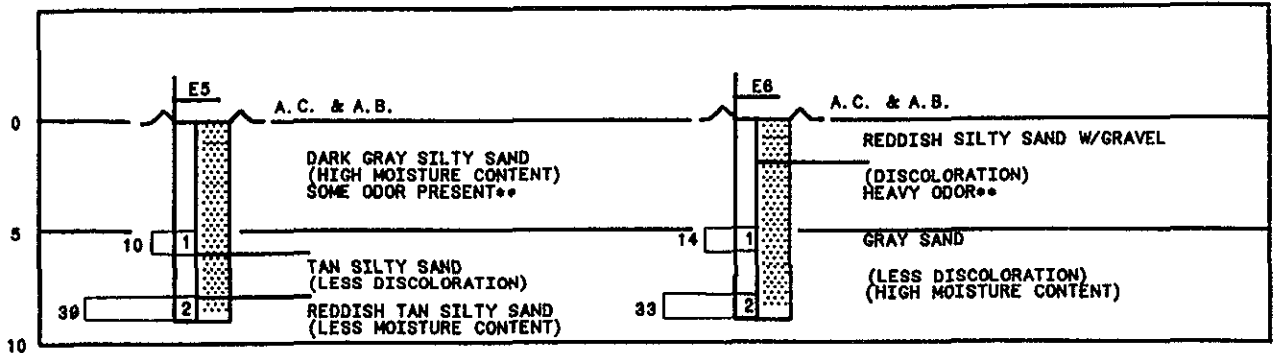
DATE 20, DEC. 95
DRWG. NO. E9170

PLATE NUMBER 4

The lines designating the interface between types of soils on the soil profiles are determined by interpolation and are therefore approximations. The transition between the materials may be abrupt or gradual. Only at the boring locations should profiles be considered as reasonably accurate.



DEPTH IN FEET



** NON-DETECTABLE READING
 HOWEVER, DETECTED BY SENSE OF SMELL

SCALE
 50 40 30 20 10 0
 BLOWS PER FOOT

The lines designating the interface between types of soils on the soil profiles are determined by interpolation and are therefore approximations. The transition between the materials may be abrupt or gradual. Only at the boring locations should profiles be considered as reasonably accurate.

CLOSURE REPORT
TACO BELL
 1900 WEBSTER STREET
 ALAMEDA, CALIFORNIA

SOIL PROFILE

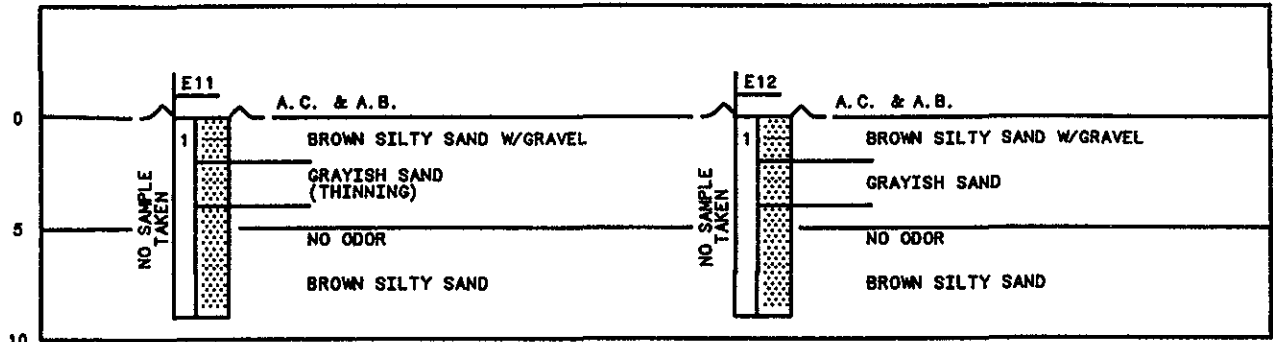
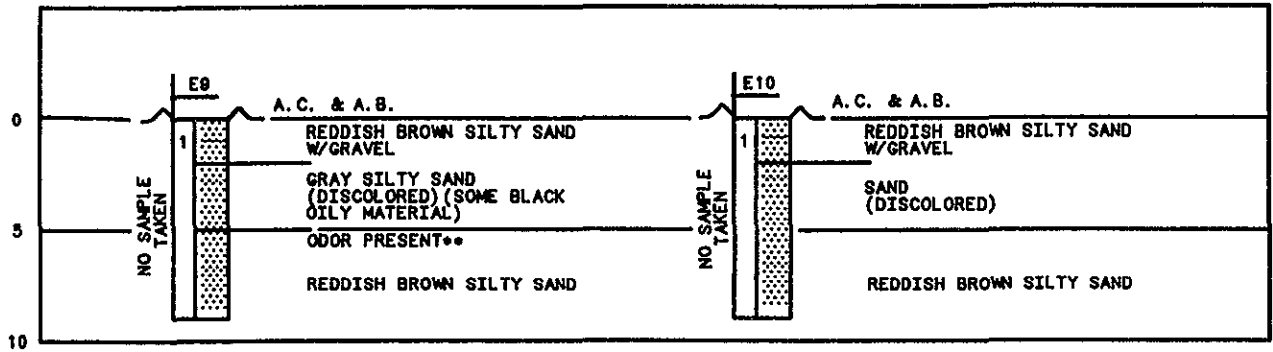
LRA ENGINEERING
 GEOTECHNICAL SERVICES - ENGINEERING LABORATORIES
 3288 SUNRISE BLVD., SUITE 5 - RANCHO CORDOVA, CA

DATE 20, DEC. 95
 DRWG. NO. E9170

PLATE NUMBER 5



DEPTH IN FEET



** NON-DETECTABLE READING
 HOWEVER, DETECTED BY SENSE OF SMELL

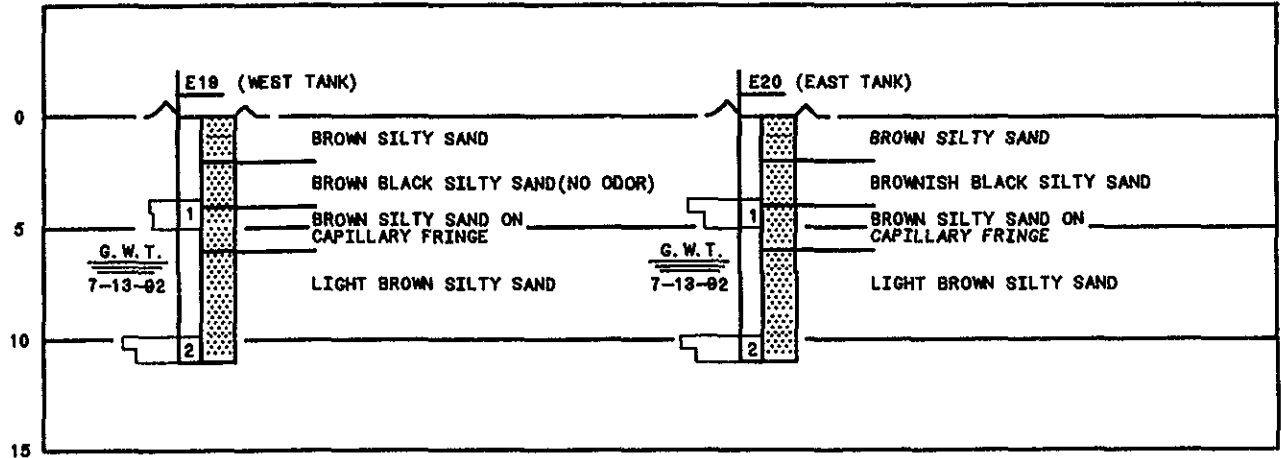
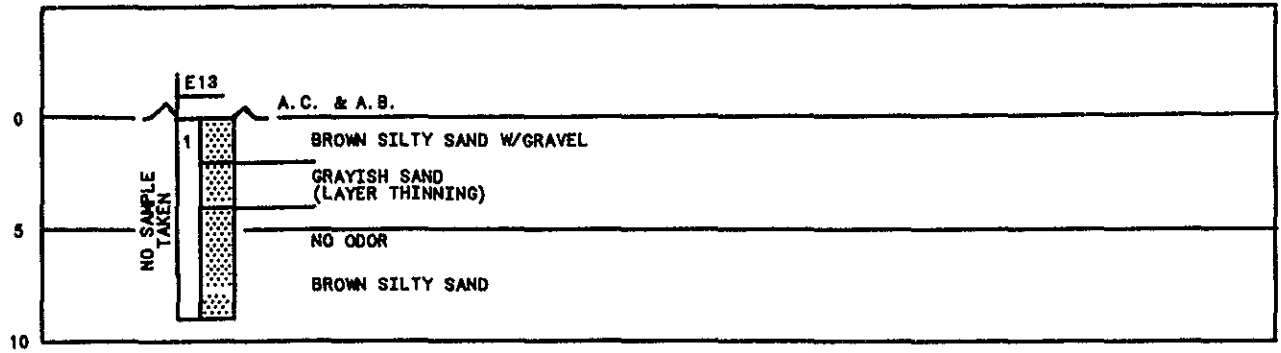
SCALE
 50 40 30 20 10 0
 BLOW PER FOOT

The lines designating the interface between types of soils on the soil profiles are determined by interpolation and are therefore approximations. The transition between the materials may be abrupt or gradual. Only at the boring locations should profiles be considered as reasonably accurate.

CLOSURE REPORT TACO BELL 1900 WEBSTER STREET ALAMEDA, CALIFORNIA	
SOIL PROFILE	
LRA ENGINEERING GEOTECHNICAL SERVICES - ENGINEERING LABORATORIES 3295 SUNRISE BLVD., SUITE 5 - RANCHO CORDOVA, CA	
DATE	20, DEC. 95
DRWG. NO.	E0170
PLATE NUMBER 6	



DEPTH IN FEET



SCALE
50 40 30 20 10 0
BLOW PER FOOT

**CLOSURE REPORT
TACO BELL**
1800 WEBSTER STREET
ALAMEDA, CALIFORNIA

SOIL PROFILE

LRA ENGINEERING
GEOTECHNICAL SERVICES - ENGINEERING LABORATORIES
3285 SUNRISE BLVD., SUITE 5 - RANCHO CONDOVA, CA

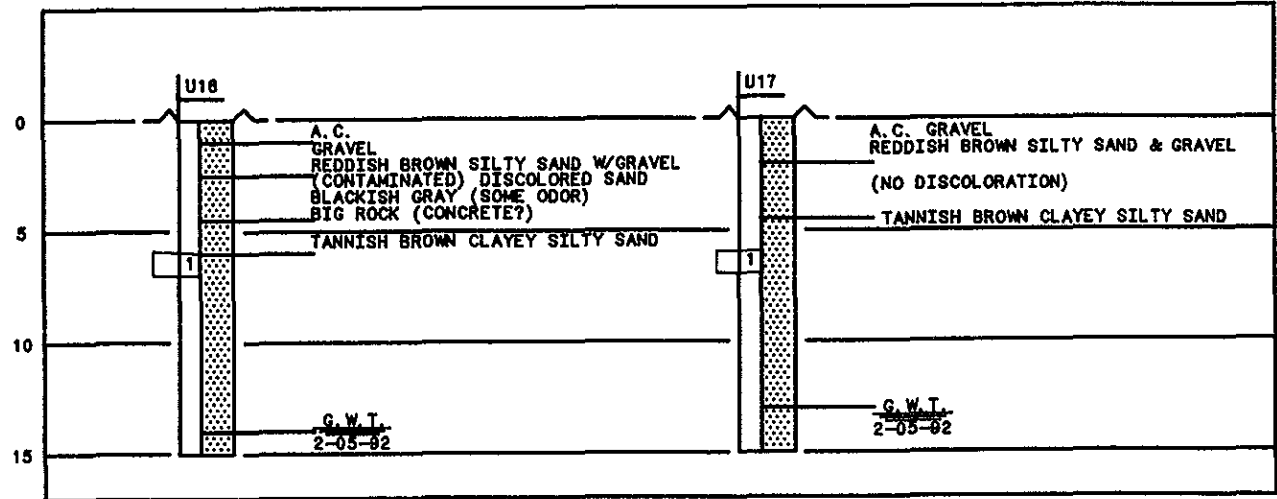
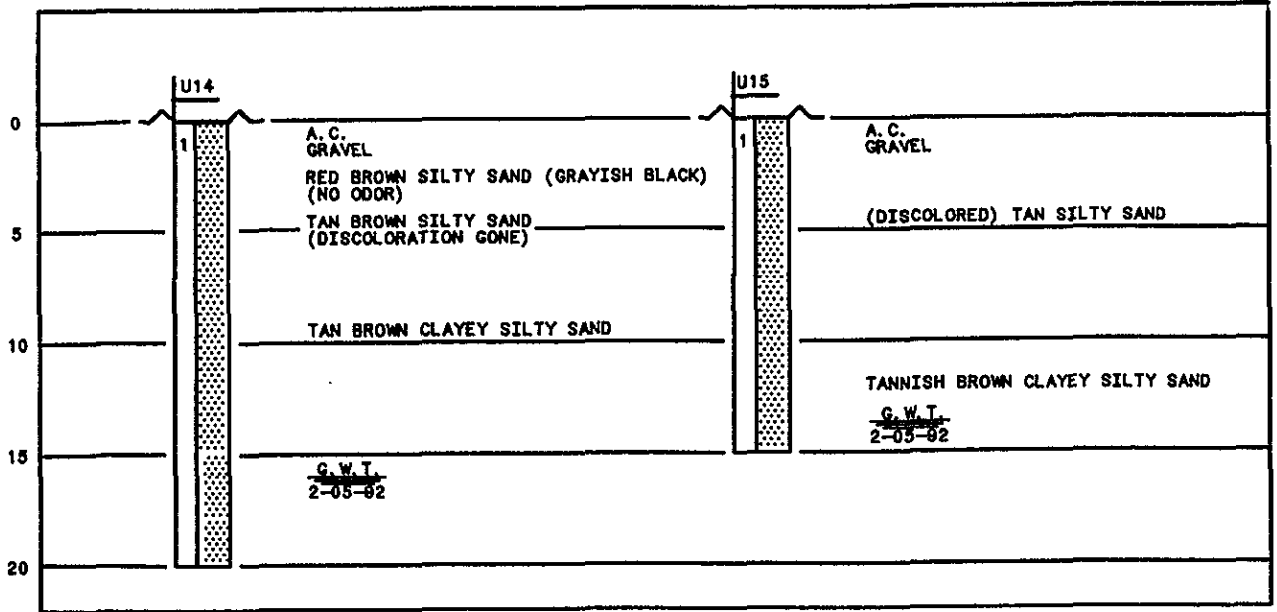
DATE 20, DEC. 95
DRWG. NO. E9170

PLATE NUMBER 7

The lines designating the interface between types of soils on the soil profiles are determined by interpolation and are therefore approximations. The transition between the materials may be abrupt or gradual. Only at the boring locations should profiles be considered as reasonably accurate.



DEPTH IN FEET



SCALE
 50 40 30 20 10 0
 BLOW PER FOOT

The lines designating the interface between types of soils on the soil profiles are determined by interpolation and are therefore approximations. The transition between the materials may be abrupt or gradual. Only at the boring locations should profiles be considered as reasonably accurate.

CLOSURE REPORT
TACO BELL
 1900 WEBSTER STREET
 ALAMEDA, CALIFORNIA

SOIL PROFILE

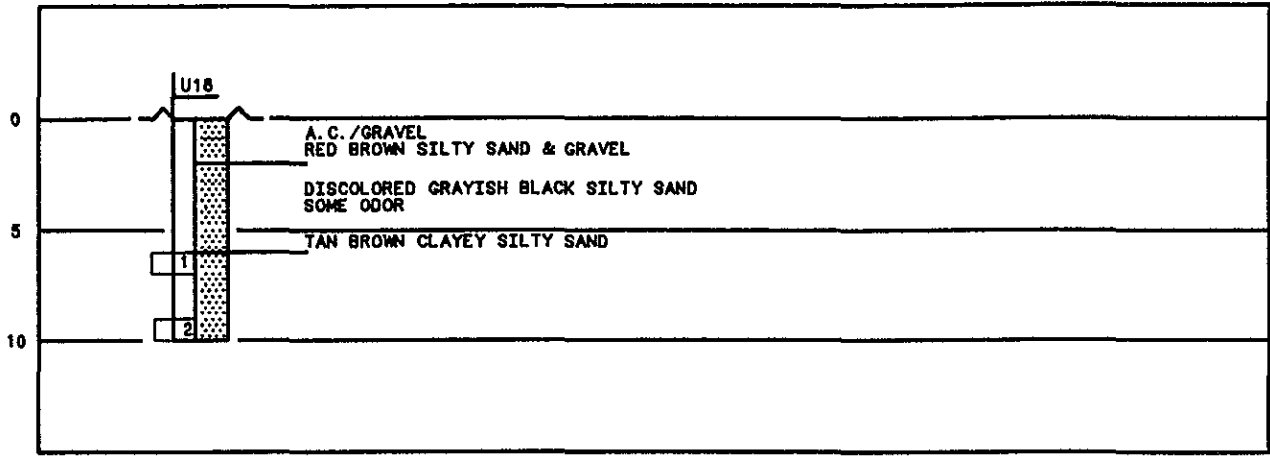
LRA ENGINEERING
 GEOTECHNICAL SERVICES - ENGINEERING LABORATORIES
 8285 SUNRISE BLVD., SUITE 5 - RANCHO CORDOVA, CA

DATE 20, DEC. 95
 DRWG. NO. E9170

PLATE NUMBER B



DEPTH IN FEET



SCALE
50 40 30 20 10 0
BLOWS PER FOOT

CLOSURE REPORT
TACO BELL
1900 WEBSTER STREET
ALAMEDA, CALIFORNIA

SOIL PROFILE

LRA ENGINEERING
GEOTECHNICAL SERVICES - ENGINEERING LABORATORIES
2225 SUNRISE BLVD., SUITE 5 - RANCHO CORDOVA, CA

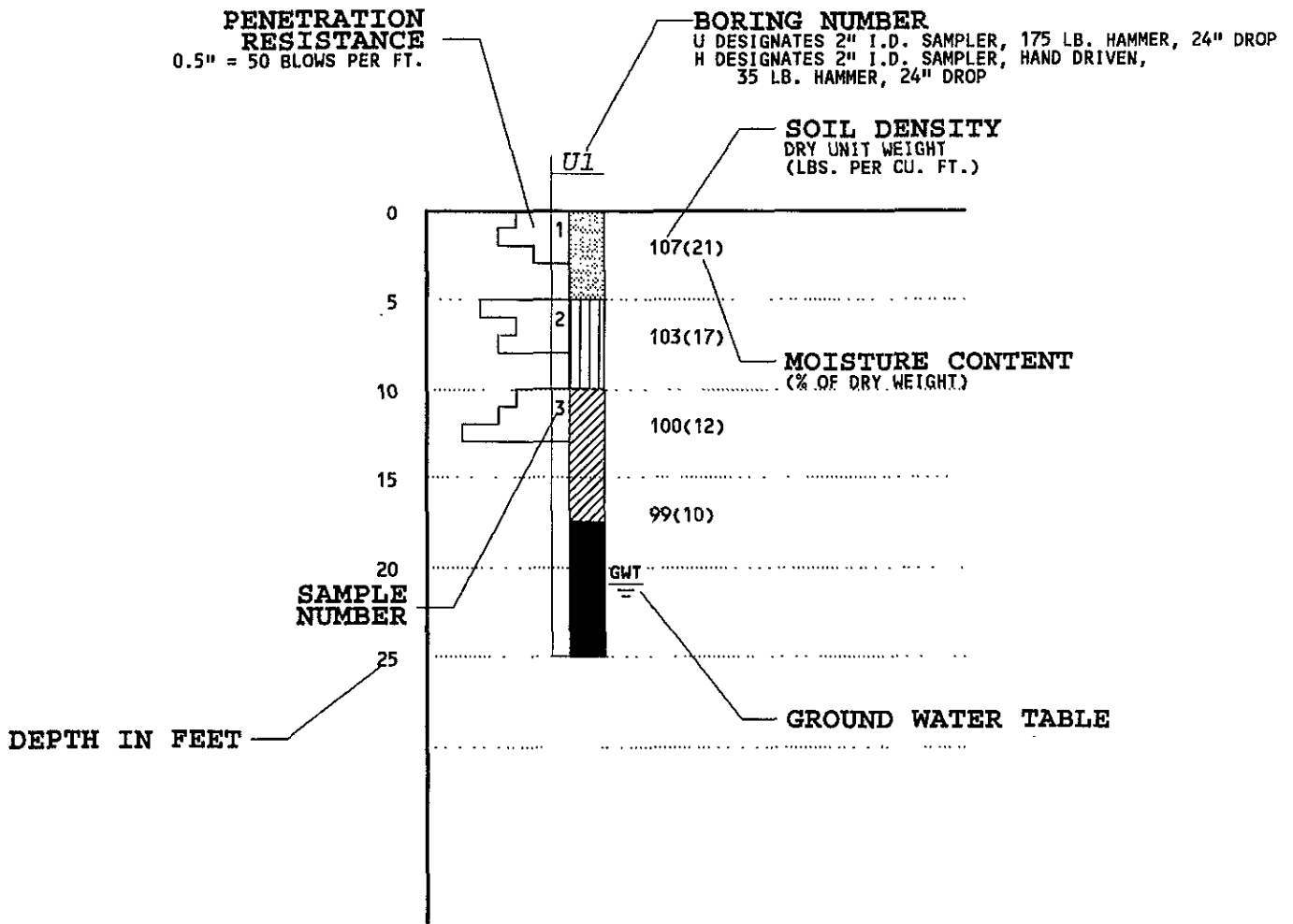
DATE 20, DEC. 95
DRWG. NO. EB170

PLATE NUMBER 9





The lines designating the interface between types of soils on the soil profiles are determined by interpolation and are therefore approximations. The transition between the materials may be abrupt or gradual. Only at the boring locations should profiles be considered as reasonably accurate.



SOIL PROFILE LEGEND



CLASSIFICATION OF SYMBOLS:

-  SANDS, GRAVELLY SANDS
-  INORGANIC SILTS
-  INORGANIC CLAYS
-  ORGANIC MATERIAL AND DEBRIS

CLOSURE REPORT TACO BELL 1900 WEBSTER STREET ALAMEDA, CALIFORNIA	
KEY TO BORING LOGS PAGE 1	
LRA ENGINEERING, INC. 3235 SUNRISE BLVD. SUITE 5 RANCHO CORDOVA, CALIFORNIA	
DATE: 01/22/96	RCE NO.: 15555
DRWG. NO.: E9170-10	

PRIMARY DIVISIONS			GROUP SYMBOL	SECONDARY DIVISIONS
COARSE GRAINED SOILS MORE THAN HALF OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVELS MORE THAN HALF OF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE	CLEAN GRAVELS (LESS THAN 5% FINES)	GW	Well graded gravels, gravel-sand mixtures, little or no fines.
			GP	Poorly graded gravels or gravel-sand mixtures, little or no fines.
		GRAVEL WITH FINES	GM	Silty gravels, gravel-sand-silt mixtures, non-plastic fines.
			GC	Clayey gravels, gravel-sand-clay mixtures, plastic fines.
	SANDS MORE THAN HALF OF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE	CLEAN SANDS (LESS THAN 5% FINES)	SW	Well graded sands, gravelly sands, little or no fines.
			SP	Poorly graded sands or gravelly sands, little or no fines.
		SANDS WITH FINES	SM	Silty sands, sand-silt mixtures, non-plastic fines.
			SC	Clayey sands, sand-clay mixtures, plastic fines.
FINE GRAINED SOILS MORE THAN HALF OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS LIQUID LIMIT IS LESS THAN 50%	ML	Inorganic silty and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.	
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.	
		OL	Organic silts and organic silty clays of low plasticity.	
	SILTS AND CLAYS LIQUID LIMIT IS GREATER THAN 50%	MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silty.	
		CH	Inorganic clays of high plasticity, fat clays.	
		OH	Organic clays of medium to high plasticity, organic silts.	
HIGHLY ORGANIC SOILS			Pt	Peat and other highly organic soils.

DEFINITION OF TERMS

SILTS AND CLAYS	U.S. STANDARD SERIES SIEVE			CLEAR SQUARE SIEVE OPENINGS			COBBLES	BOULDERS
	200	40	10	4	3/4"	3"		
	SAND			GRAVEL				
	FINE	MEDIUM	COARSE	FINE	COARSE			

GRAIN SIZES

RELATIVE DENSITY	
SANDS AND GRAVELS	BLOWS/FOOT [§]
VERY LOOSE	0 - 5
LOOSE	5 - 13
MEDIUM DENSE	13 - 40
DENSE	40 - 67
VERY DENSE	OVER 67

CONSISTENCY		
SILTS AND CLAYS	STRENGTH [¶]	BLOWS/FOOT [§]
VERY SOFT	0 - 1/4	0 - 3
SOFT	1/4 - 1/2	3 - 5
FIRM	1/2 - 1	5 - 11
STIFF	1 - 2	11 - 21
VERY STIFF	2 - 4	21 - 43
HARD	OVER 4	OVER 43

[§]Number of blows of 175 pound hammer falling 24 inches to drive a 2.5 inch O.D. (2 inch I.D.) split spoon (ASTM D-1586).

[¶]Unconfined compressive strength in tons/sq. ft. as determined by laboratory testing or approximated by the standard penetration test (ASTM D-1586), pocket penetrometer, torvane, or visual observation.

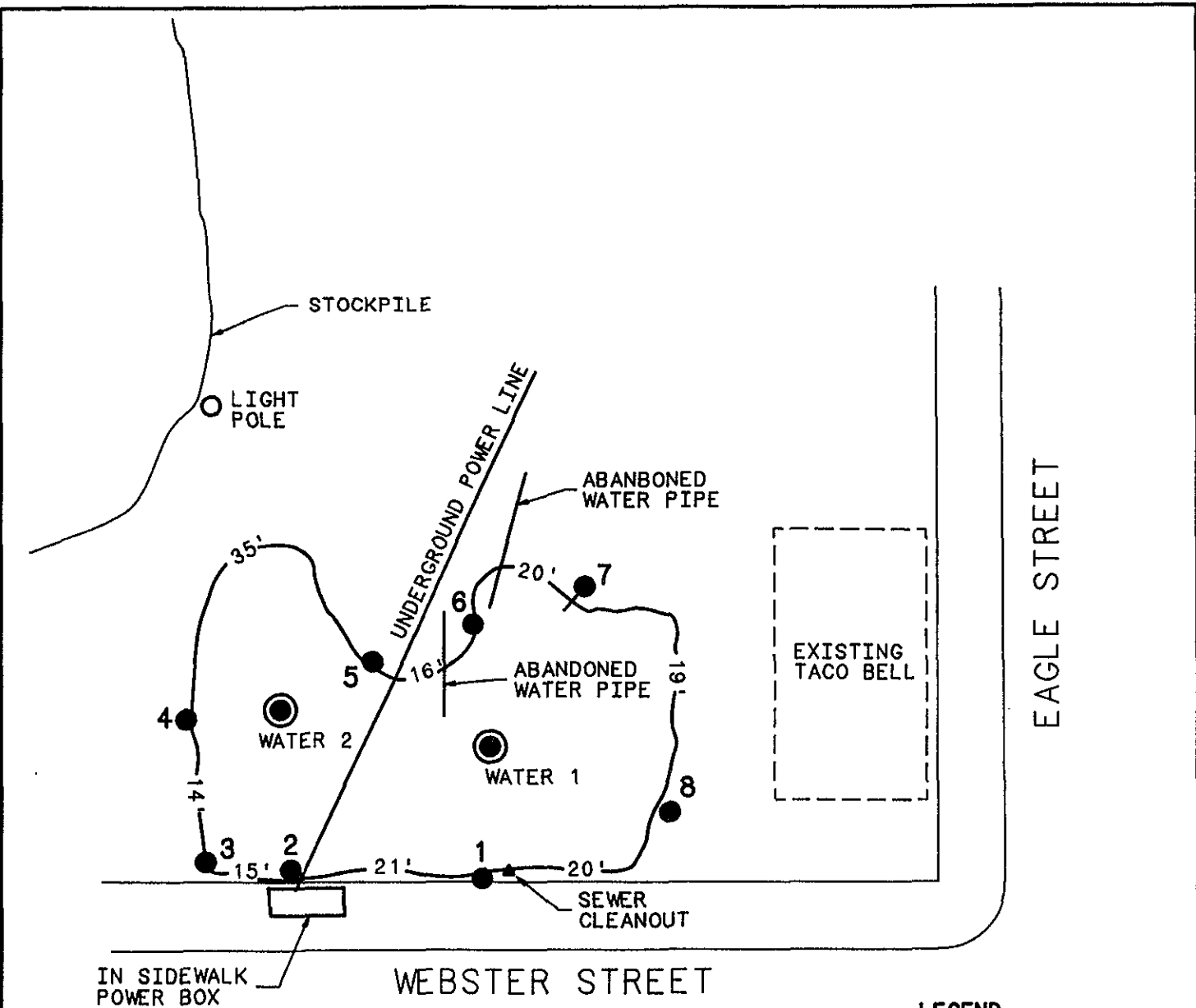
**CLOSURE REPORT
TACO BELL
1900 WEBSTER STREET
ALAMEDA, CALIFORNIA**

KEY TO BORING LOGS PAGE 2

LRA ENGINEERING, INC.
3235 SUNRISE BLVD. SUITE 5
RANCHO CORDOVA, CALIFORNIA

Unified Soil Classification System (ASTM D-2487)

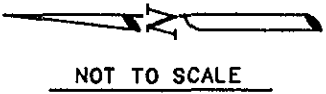
DATE: 01/22/96
DRWG. NO.: E9170-11
RCE NO.: 15555



LEGEND

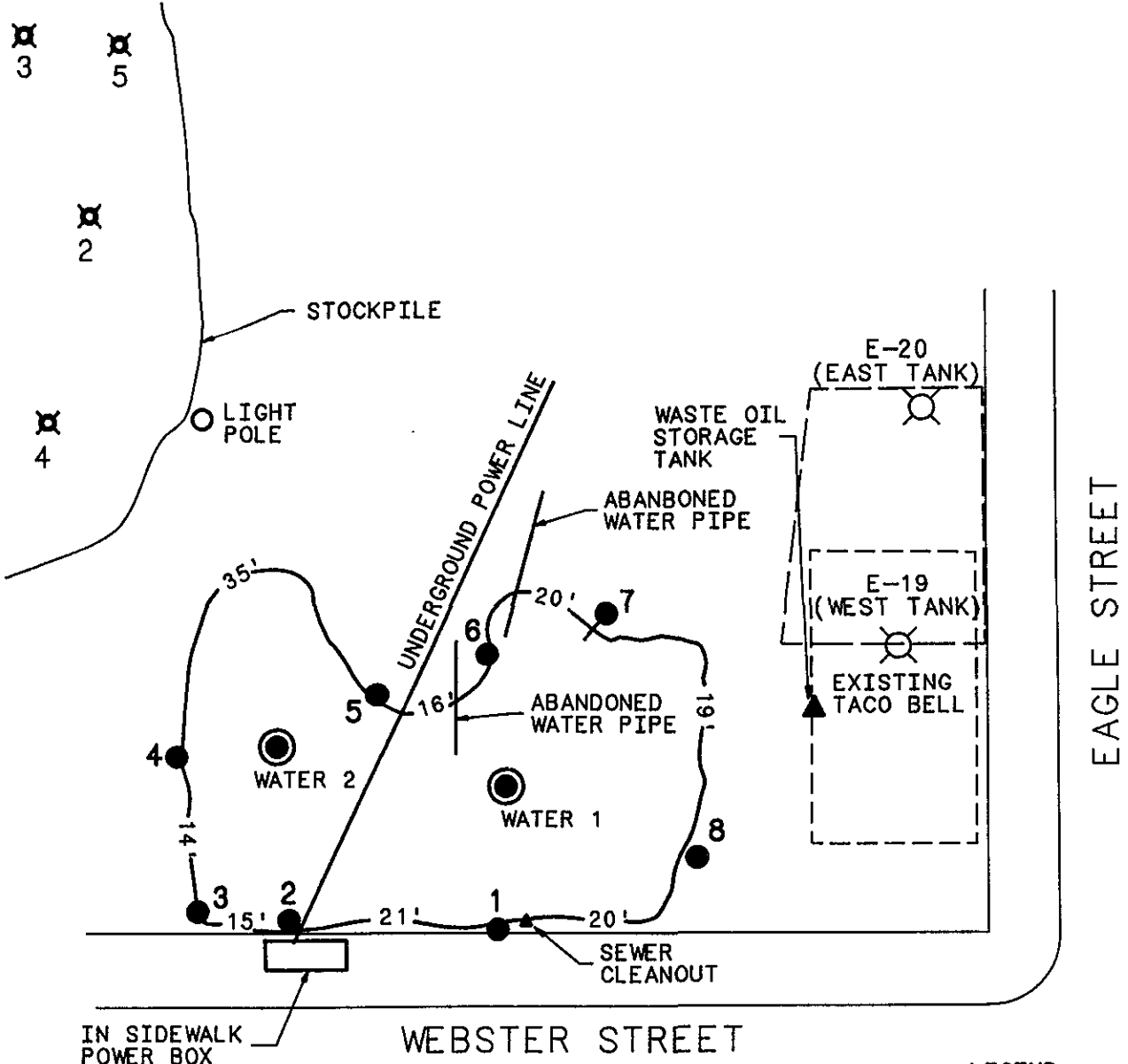
- SOIL SAMPLING SITES IN EXCAVATION SIDEWALLS JUNE 3, 1992

SAMPLED AT 10:00 A.M. UNDER DIRECTION OF ACEH DEPT. EVA CHU. TOOK 8 SAMPLES OF SOIL AND 2 OF WATER.



CLOSURE REPORT TACO BELL	
1900 WEBSTER STREET ALAMEDA, CALIFORNIA	
LOCATION MAP - EXCAVATION	
LRA ENGINEERING	
GEOTECHNICAL SERVICES - ENGINEERING LABORATORIES 9285 SUNRISE BLVD., SUITE 8 - RANCHO CORDOVA, CA	
DATE	20, DEC. 95
DRWG. NO.	EB170
PLATE NUMBER 12	

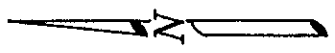




LEGEND

- SOIL SAMPLING SITES IN EXCAVATION SIDEWALLS JUNE 3, 1992
- ⊗ STOCKPILE SAMPLING SITES JUNE 15, 1992
- ⊗ SOIL SAMPLED IN POSSIBLE TANK FIELD 7-13-92
- ▲ WASTE OIL STORAGE TANK. SOIL SAMPLED 7-13-92

SAMPLED AT 10:00 A.M. UNDER DIRECTION OF ACEH DEPT. EVA CHU. TOOK 8 SAMPLES OF SOIL AND 2 OF WATER.



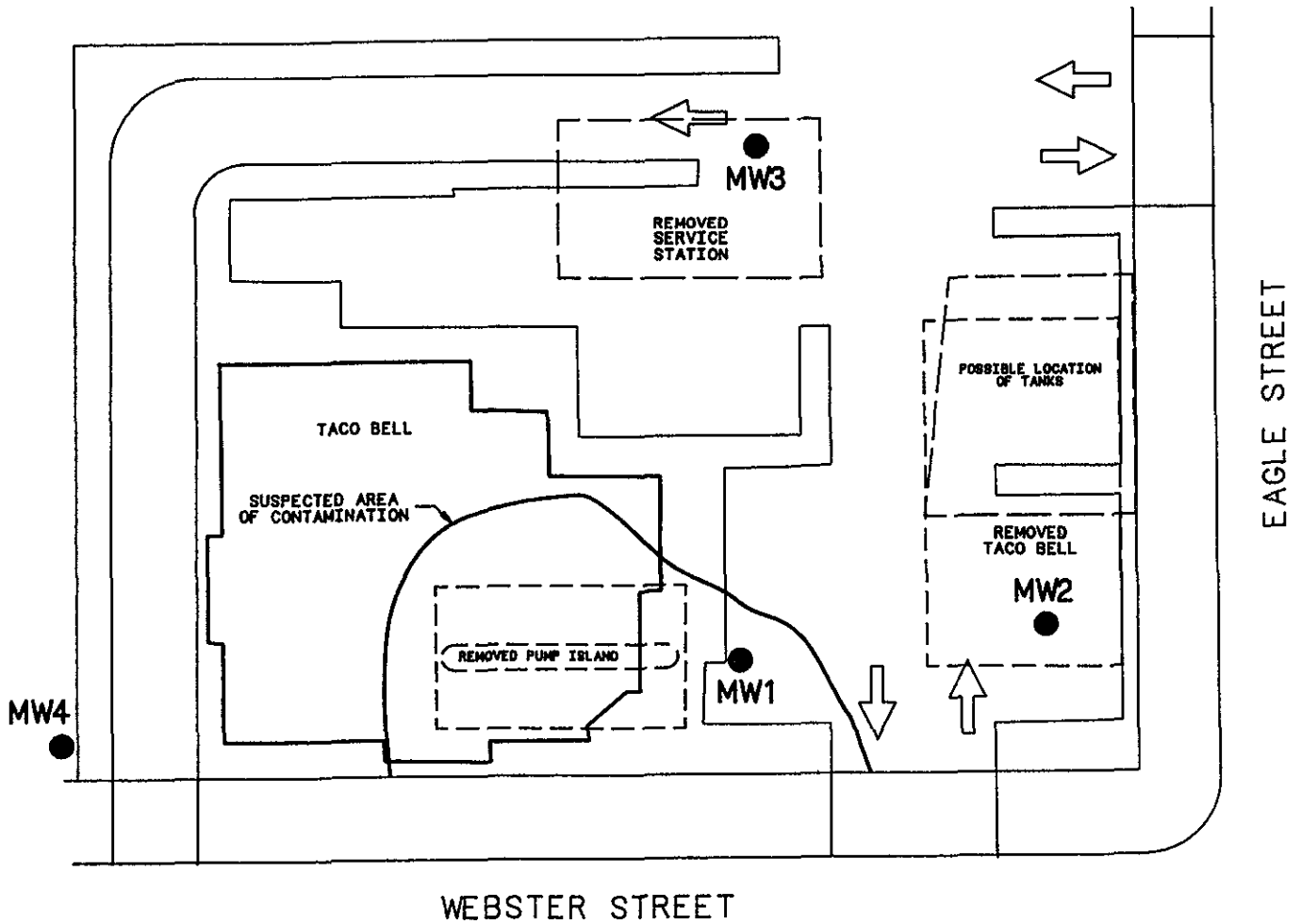
NOT TO SCALE

CLOSURE REPORT	
TACO BELL	
1900 WEBSTER STREET ALAMEDA, CALIFORNIA	
LOCATION MAP - STOCKPILE	
LRA ENGINEERING	
GEOTECHNICAL SERVICES - ENGINEERING LABORATORIES 3235 SUNRISE BLVD., SUITE 5 - RANCHO CORDOVA, CA	

DATE	20, DEC. 95
DRWG. NO.	E9170

PLATE NUMBER 13






LEGEND

- MONITORING WELL PLACEMENTS
- EXISTING STRUCTURE
- - - REMOVED TACO BELL
- - - REMOVED SERVICE STATION



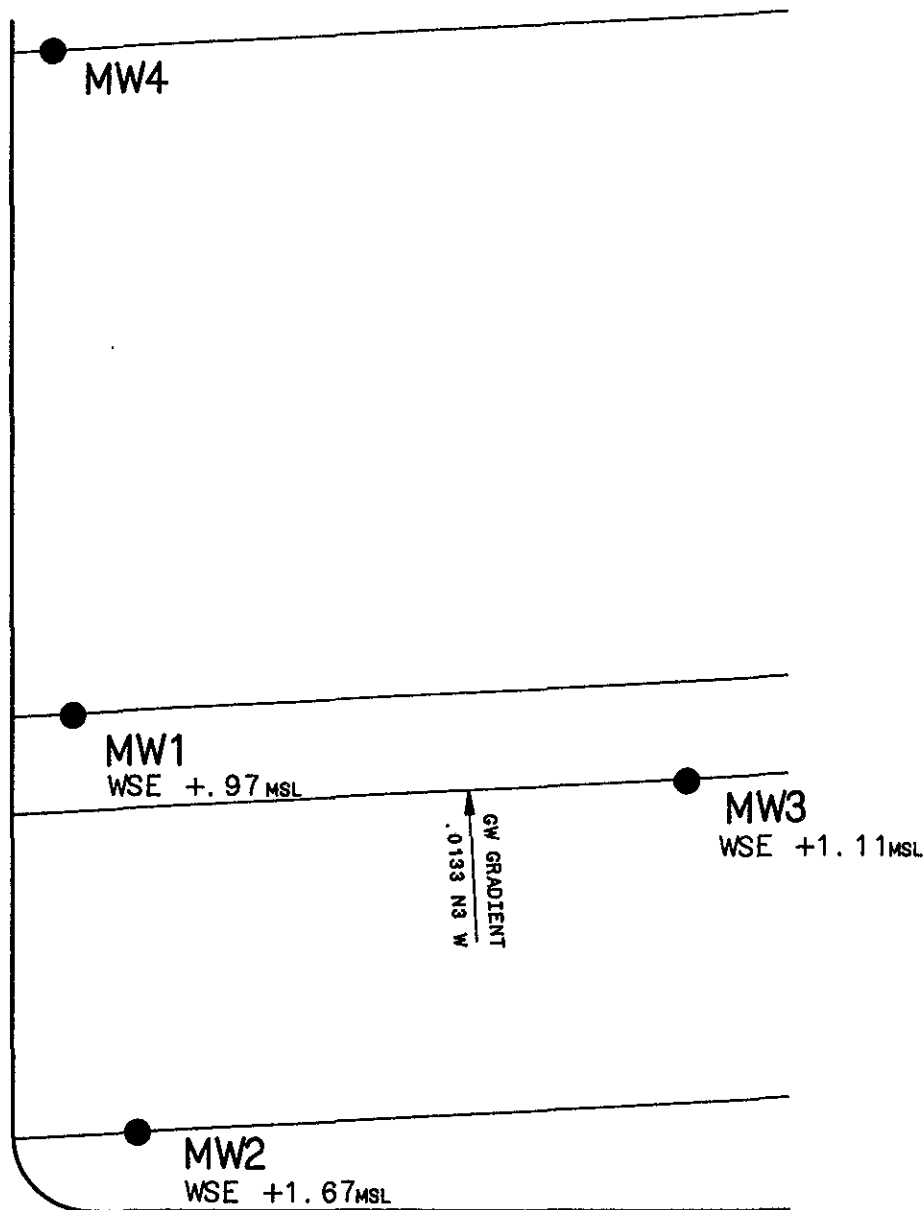
NOT TO SCALE

CLOSURE REPORT TACO BELL 1800 WEBSTER STREET ALAMEDA, CALIFORNIA	
LOCATION MAP -- MONITORING WELLS	
	LRA ENGINEERING 3235 SUNRISE BLVD, SUITE 5 RANCHO CORDOVA CA 95742
DATE	20, DEC. 95
DRWG. NO.	E9170
PLATE NUMBER 14	



4 JANUARY 1993

WEBSTER STREET



EAGLE STREET



WSE = WATER SURFACE ELEVATION
MSL = MEAN SEA LEVEL

NOT TO SCALE

TACO BELL ALAMEDA

1900 WEBSTER STREET
ALAMEDA, CALIFORNIA

GROUNDWATER GRADIENT MAP



LRA ENVIRONMENTAL

3235 SUNRISE BLVD, STE 5
RANCHO CORDOVA CA 95742

DATE 20, DEC. 95

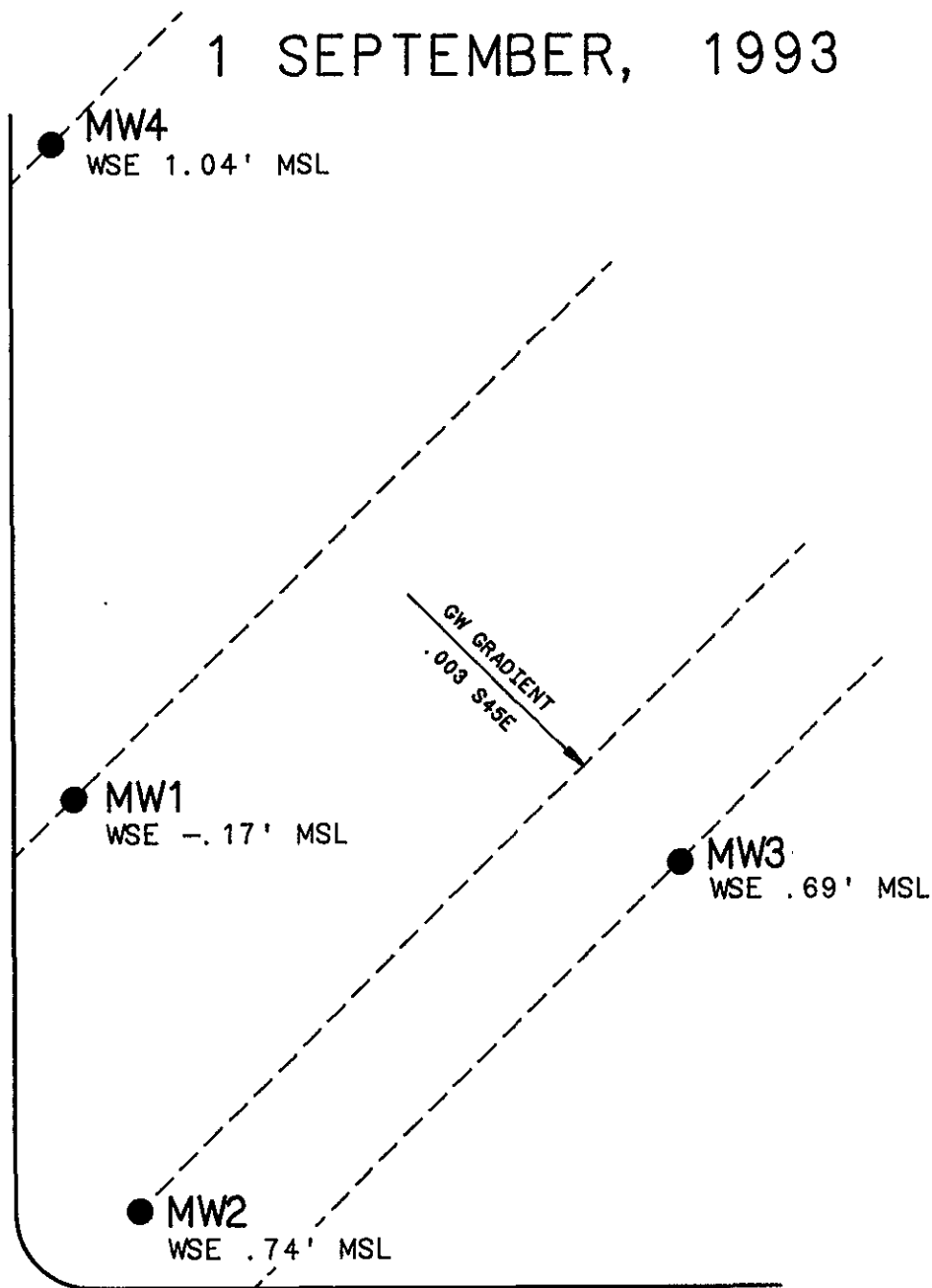
DRWG. NO. E8170

PLATE NUMBER 15



1 SEPTEMBER, 1993

WEBSTER STREET



EAGLE STREET



WSE = WATER SURFACE ELEVATION

MSL = MEAN SEA LEVEL

NOT TO SCALE

TACO BELL ALAMEDA

1900 WEBSTER STREET
ALAMEDA, CALIFORNIA

GROUNDWATER GRADIENT MAP



LRA ENVIRONMENTAL

3235 SUNRISE BLVD, STE 5
RANCHO CORDOVA CA 95742

DATE 20, DEC. 95

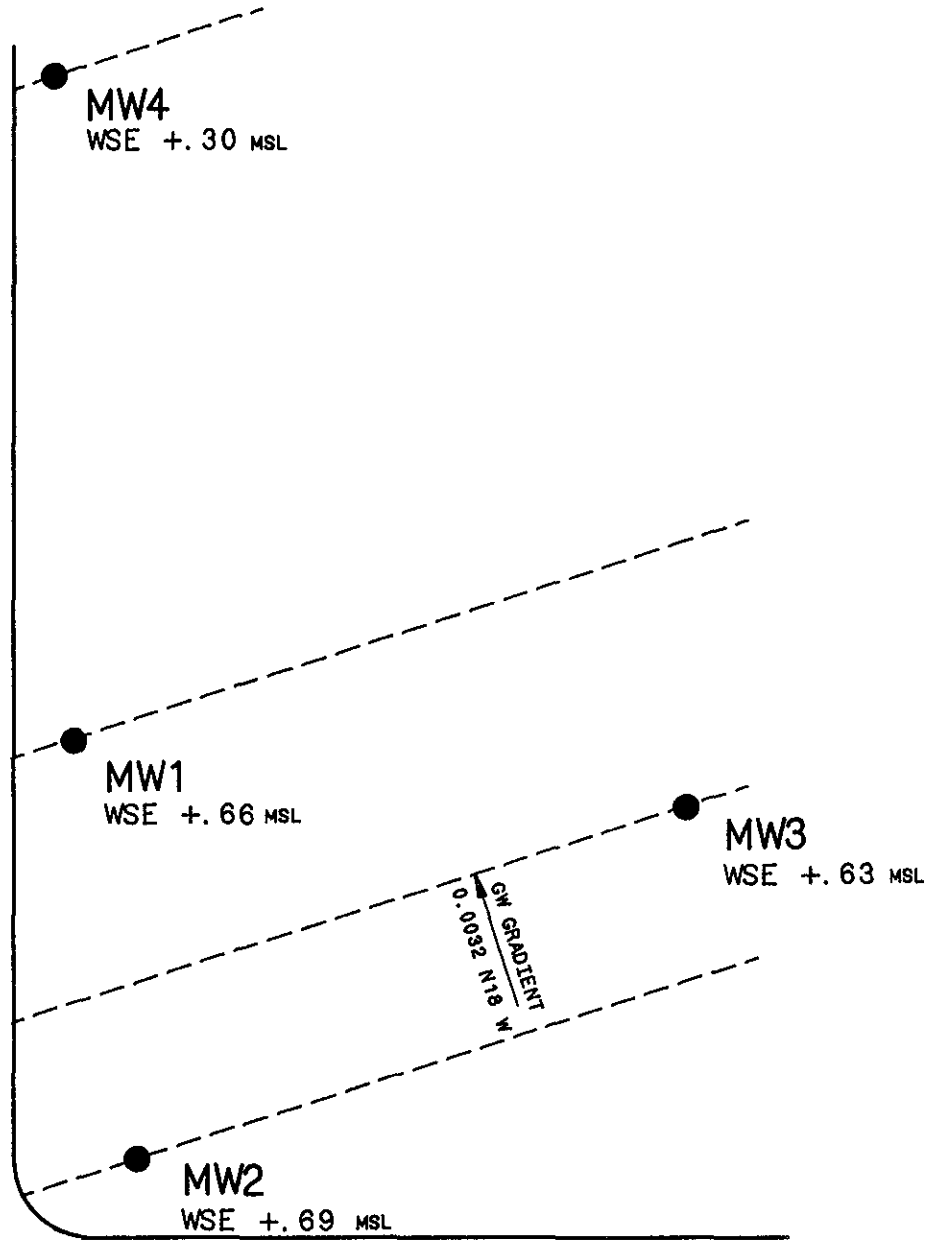
DRWG. NO. E9170

PLATE NUMBER 16

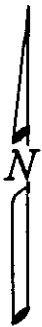


6 DECEMBER 1993

WEBSTER STREET



EAGLE STREET



WSE = WATER SURFACE ELEVATION
MSL = MEAN SEA LEVEL

NOT TO SCALE

TACO BELL ALAMEDA

1900 WEBSTER STREET
ALAMEDA, CALIFORNIA

GROUNDWATER GRADIENT MAP



LRA ENVIRONMENTAL

3235 SUNRISE BLVD, STE 5
RANCHO CORDOVA CA 95742

DATE 20, DEC. 95

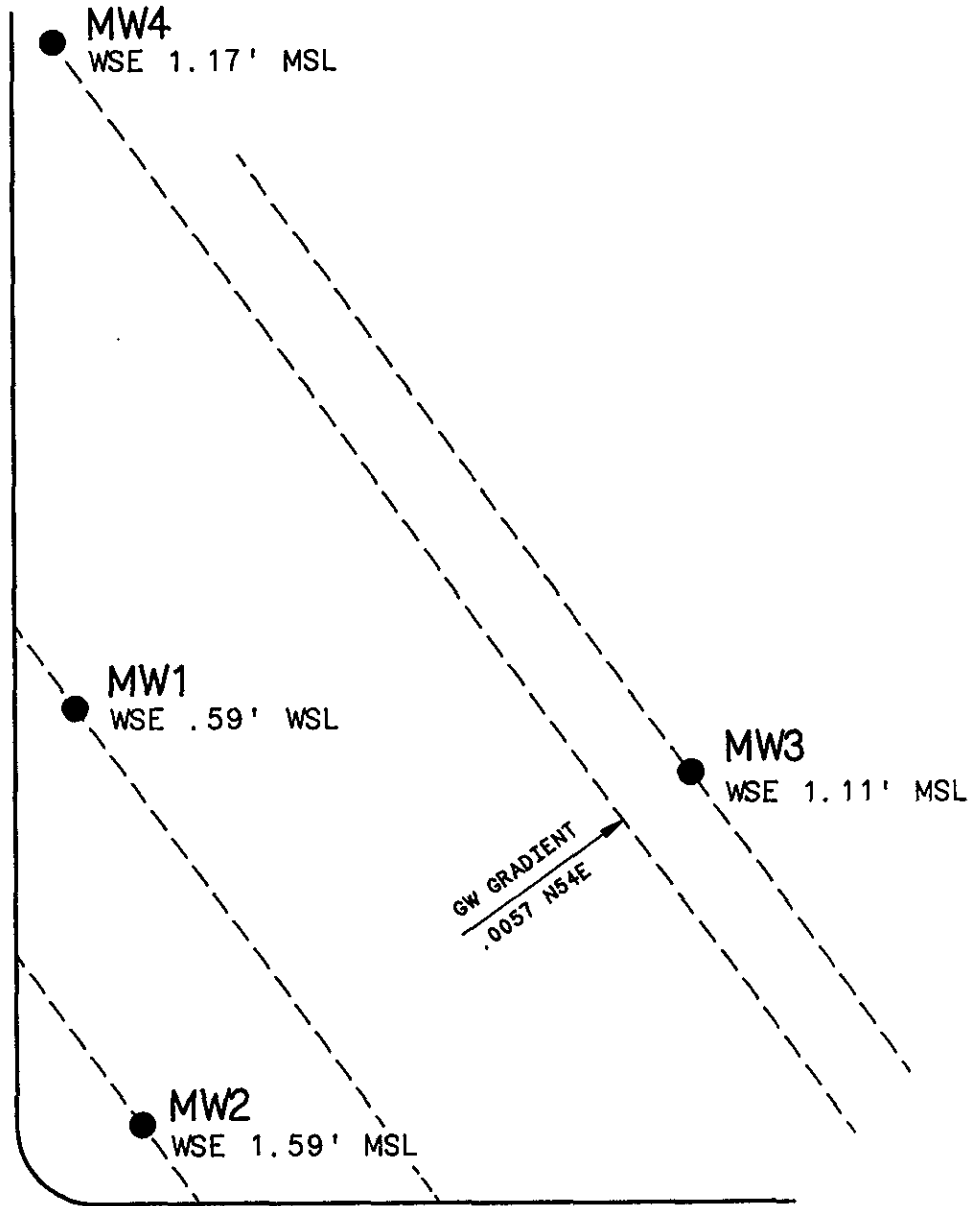
DRWG. NO. E9170

PLATE NUMBER 17



14 APRIL 1995

WEBSTER STREET



EAGLE STREET



WSE = WATER SURFACE ELEVATION
MSL = MEAN SEA LEVEL

NOT TO SCALE

TACO BELL ALAMEDA

1900 WEBSTER STREET
ALAMEDA, CALIFORNIA

GROUNDWATER GRADIENT MAP



LRA ENVIRONMENTAL

3235 SUNRISE BLVD, STE 5
RANCHO CORDOVA CA 95742

DATE 20, DEC. 95

DRWG. NO. E9170

PLATE NUMBER 18



APPENDIX B

- o CUMULATIVE PURGE WATER STABILIZATION PARAMETERS

Taco Bell Alameda CUMULATIVE PURGE WATER STABILIZATION PARAMETERS

Monitoring Well	Casing Size	Date	Run Number	Depth	Water Depth	FT. of Wetted Casing	Gallons Pumped*	Temperature (Degrees Celsius)	Salinity	E. C.** (umhos)	pH
MW1	4"	4 January 93	----	18.50	3.30	15.20	10.0	22	1	1500	7.07
MW2	4"	4 January 93	----	17.40	3.10	14.30	10.0	21	1.5	2000	6.52
MW3	4"	4 January 93	----	17.72	3.10	14.62	10.0	22	1	1100	6.89
MW4	4"	19 January 93	----	18.59	1.47	17.12	11.1	21	0.9	1200	7.05

Monitoring Well	Casing Size	Date	Run Number	Depth	Water Depth	FT. of Wetted Casing	Gallons Pumped*	Temperature (Degrees Celsius)	Salinity	E. C.** (umhos)	pH
MW1	4"	1 September 93	1	18.43	4.44	13.99	9.1	22	1	1200	6.26
		1 September 93	2	18.43	4.44	13.99	9.1	22	1	1200	6.27
		1 September 93	3	18.43	4.44	13.99	9.1	21	1	1100	6.35
		1 September 93	4	18.43	4.44	13.99	9.1	21	-1	1000	6.28
		1 September 93	5	18.43	4.44	13.99	9.1	21	-1	1000	6.31
MW2	4"	1 September 93	1	17.71	4.03	13.68	9.1	24	1	1700	6.45
		1 September 93	2	17.71	4.03	13.68	9.1	24	1	1600	6.46
		1 September 93	3	17.71	4.03	13.68	9.1	23	1	1400	6.61
		1 September 93	4	17.71	4.03	13.68	9.1	23	-1	1500	6.64
		1 September 93	5	17.71	4.03	13.68	9.1	23	1	1500	6.62
MW3	4"	1 September 93	1	17.40	3.52	13.88	9.1	23	1	1300	6.34
		1 September 93	2	17.40	3.52	13.88	9.1	17	1	1300	6.36
		1 September 93	3	17.40	3.52	13.88	9.1	17	1	1300	6.40
		1 September 93	4	17.40	3.52	13.88	9.1	18	1	1200	6.41
		1 September 93	5	17.40	3.52	13.88	9.1	18	1	1100	6.61
MW4	4"	1 September 93	1	18.5	3.61	14.89	9.8	24	3	1900	6.30
		1 September 93	2	18.5	3.61	14.89	9.8	22	2	17.50	6.10
		1 September 93	3	18.5	3.61	14.89	9.8	22	2	16.00	6.24
		1 September 93	4	18.5	3.61	14.89	9.8	22	1	12.50	6.41
		1 September 93	5	18.5	3.61	14.89	9.8	18	1	12.50	6.40

Monitoring Well	Casing Size	Date	Run Number	Depth	Water Depth	FT. of Wetted Casing	Gallons Pumped*	Temperature (Degrees Celsius)	Salinity	E. C.** (umhos)	pH
MW1	4"	6 December 93	1	17.69	3.61	14.08	9.1	21	0	650	6.50
		6 December 93	2	17.69	3.61	14.08	9.1	22	0	650	6.50
		6 December 93	3	17.69	3.61	14.08	9.1	22	0	645	6.86
		6 December 93	4	17.69	3.61	14.08	9.1	22	0	645	6.84
		6 December 93	5	17.69	3.61	14.08	9.1	22	0	645	6.85
MW2	4"	6 December 93	1	17.74	4.08	13.66	9.0	20	0	600	6.30
		6 December 93	2	17.74	4.08	13.66	9.0	20	0	610	6.33
		6 December 93	3	17.74	4.08	13.66	9.0	21	0	610	6.54
		6 December 93	4	17.74	4.08	13.66	9.0	21	0	610	6.55
		6 December 93	5	17.74	4.08	13.66	9.0	21	0	610	6.56
MW3	4"	6 December 93	1	18.48	3.58	14.9	10.0	20	0	6.40	6.68
		6 December 93	2	18.48	3.58	14.9	10.0	21	0	6.40	6.69
		6 December 93	3	18.48	3.58	14.9	10.0	21	0	6.25	6.52
		6 December 93	4	18.48	3.58	14.9	10.0	21	0	6.20	6.53
		6 December 93	5	18.48	3.58	14.9	10.0	21	0	6.20	6.53
MW4	4"	6 December 93	1	18.58	4.35	14.23	9.5	19	0	5.20	6.50
		6 December 93	2	18.58	4.35	14.23	9.5	20	0	5.25	6.55
		6 December 93	3	18.58	4.35	14.23	9.5	20	0	5.10	6.53
		6 December 93	4	18.58	4.35	14.23	9.5	20	0	5.10	6.58
		6 December 93	5	18.58	4.35	14.23	9.5	20	0	5.10	6.58

Taco Bell Alameda CUMULATIVE PURGE WATER STABILIZATION PARAMETERS cont.

Monitoring Well	Casing Size	Date	Run Number	Depth	Water Depth	FT. of Wetted Casing	Gallons Pumped*	Temperature (Degrees Celsius)	Salinity	E. C.** (umhos)	pH
MW1	4"	14 April 95	1	17.78	3.68	14.1	9.5	20	0	610	
		14 April 95	2	17.78	3.68	14.1	9.5	20	0	620	
		14 April 95	3	17.78	3.68	14.1	9.5	20	0	621	
		14 April 95	4	17.78	3.68	14.1	9.5	20	0	621	
		14 April 95	5	17.78	3.68	14.1	9.5	20	0	621	
		14 April 95	6	17.78	3.68	14.1	9.5	20	0	630	
		14 April 95	7	17.78	3.68	14.1	9.5	20	0	630	
		14 April 95	8	17.78	3.68	14.1	9.5	20	0	625	
MW2	4"	14 April 95	1	17.71	3.18	14.53	10.0	21	0	590	
		14 April 95	2	17.71	3.18	14.53	10.0	21	0	590	
		14 April 95	3	17.71	3.18	14.53	10.0	21	0	590	
		14 April 95	4	17.71	3.18	14.53	10.0	21	0	590	
		14 April 95	5	17.71	3.18	14.53	10.0	21	0	590	
		14 April 95	6	17.71	3.18	14.53	10.0	21	0	590	
		14 April 95	7	17.71	3.18	14.53	10.0	21	0	590	
		14 April 95	8	17.71	3.18	14.53	10.0	21	0	590	
MW3	4"	14 April 95	1	18.46	3.1	15.36	10.0	21	1	650	
		14 April 95	2	18.46	3.1	15.36	10.0	21	0.5	660	
		14 April 95	3	18.46	3.1	15.36	10.0	21	0.5	540	
		14 April 95	4	18.46	3.1	15.36	10.0	21	0	525	
		14 April 95	5	18.46	3.1	15.36	10.0	21	0	525	
		14 April 95	6	18.46	3.1	15.36	10.0	21	0	520	
		14 April 95	7	18.46	3.1	15.36	10.0	21	0	520	
		14 April 95	8	18.46	3.1	15.36	10.0	21	0	510	
MW4	4"	14 April 95	1	18.60	3.48	15.12	10.0	22	0	590	
		14 April 95	2	18.60	3.48	15.12	10.0	22	0	580	
		14 April 95	3	18.60	3.48	15.12	10.0	22	0	600	
		14 April 95	4	18.60	3.48	15.12	10.0	21	0	610	
		14 April 95	5	18.60	3.48	15.12	10.0	21	0	610	
		14 April 95	6	18.60	3.48	15.12	10.0	21	0	610	
		14 April 95	7	18.60	3.48	15.12	10.0	21	0	610	
		14 April 95	8	18.60	3.48	15.12	10.0	21	0	610	

* Water

** Electric Conductivity

APPENDIX C

- o Underground Storage Tank Unauthorized Release/ Contamination Site Report
- o Well Completion Reports and Permit
- o 17 March 1994 Alameda Department of Environmental Health Correspondence



Dolan Foster Enterprises, Inc.
A Franchisee of Taco Bell Corp.
25546 Seaboard Lane
Hayward, California 94545
Telephone 415 887 7260

January 15, 1992

Mr. Thomas Peacock
Alameda County Health Department
80 Swan Way, Suite 200
Oakland, CA 94604

RE: Taco Bell-1900 Webster Street, Alameda, CA

Dear Mr. Peacock,

Thank you for meeting with us this morning. Your comments were helpful to Mr. Low and myself as I'm sure they were to our soil consultants.

I am returning the Leak Report to you along with the following information: 1) Building Permit Record, 2) Title Search, 3) Letter to Exxon. I believe LRA Engineering gave to you a copy of the Analytical Reports that we have to date.

I am meeting with Capt. McKinley of the Alameda Fire Department today and will forward to you copies of any information they may have.

I have instructed LRA Engineering to proceed with further exploration so that we may determine the vertical and horizontal extent of this problem. We will also investigate the remaining portions of the property to see if there are any other problems. Upon completion of this investigation, we will submit to you a Remediation Plan for your approval.

It is important to Dolan Foster Enterprises that this entire process be done in a timely fashion and at minimum expense. We are only a franchisee of Taco Bell Corp. and do not have either technical or financial help from them in any way.

We will appreciate any help you can give us through this process.

Sincerely,

Dan Mundy

DM:js

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

**STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)**

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588 (510) 484-2600

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Taco Bell
1900 Webster Street
Alameda, California

PERMIT NUMBER 92387
LOCATION NUMBER

CLIENT
Name Dolan Foster Enterprises
Address 55546 Seaboard Lane
City Hayward, CA zip 94545

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT
Name LRA Environmental

Address 3235 Sunrise Blvd Phone 916 631-4455
City Rancho Cordova CA 95742

TYPE OF PROJECT
Construction Geotechnical Investigation
Cathodic Protection General
Water Supply Contamination X
Monitoring Well Destruction

PROPOSED WATER SUPPLY WELL USE
Domestic Industrial Other Analysis
Municipal Irrigation if required by
A.C.E.H.D.

DRILLING METHOD:
Rotary Air Rotary Auger X
Other

DRILLER'S LICENSE NO. C-57 #620700

WELL PROJECTS
Fill Hole Diameter 10 in. Maximum
Casing Diameter 4 in. Depth 20 ft.
Surface Seal Depth ft. Number 4

GEOTECHNICAL PROJECTS
Number of Borings Maximum
Hole Diameter in. Depth ft.

ESTIMATED STARTING DATE AM 8-12-92
ESTIMATED COMPLETION DATE PM 8-14-92

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

Approved Wyman Hong Date 11 Aug 92

APPLICANT'S SIGNATURE Robert A. Nichols 8-10-92

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

March 17, 1994

Mr. Dan Mundy
Dolan Foster Enterprises, Inc.
25546 Seaboard Land
Hayward, CA 94545

STID 3695

Re: Investigations at 1900 Webster St., Alameda, CA

Dear Mr. Mundy,

This office has received and reviewed LRA Environmental's Fourth Quarter Ground water Monitoring Report, dated January 27, 1994. Elevated levels of Total Oil and Grease have been detected from Wells MW-2 and MW-3 during the last two quarters of ground water monitoring. According to LRA Environmental, these elevated levels are due to tampering of "traffic rated" well covers, allowing oil-laden storm water runoff from the parking lot to infiltrate the wells. However, this office has no evidence to indicate that this is the case.

Quarterly ground water monitoring and corresponding gradient determinations are required to continue at the site until this site qualifies for Regional Water Quality Control Board "sign-off". If it cannot be shown that the elevated levels of Total Oil & Grease is the result of off-site sources, you may be required to conduct further characterization, and possibly remediation, of this ground water contamination.

If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,


Juliet Shin
Hazardous Materials Specialist

cc: Robert Nicholson
LRA Environmental
3235 Sunrise Blvd., Ste E
Rancho Cordova, CA 95742

Edgar Howell-File(JS)

APPENDIX D

- o CUMULATIVE SOIL SAMPLE ANALYTICAL RESULTS
- o CUMULATIVE GROUNDWATER SAMPLE ANALYTICAL RESULTS

CUMULATIVE SOIL SAMPLE ANALYTICAL RESULTS

SOIL Taco Bell Exploratory Borings

Sample Location	Depth	Sample Date	Analysis Date	Constituent Tested	Method Detection	Reporting Limit	Analytical Result
E1-3-II	7'-7.5'	12/19/91	12/31/91	Gasoline	TFH, EPA 5030	1.0 ppm	ND
		12/19/91	12/31/91	Benzene	EPA 8020	0.005 ppm	ND
		12/19/91	12/31/91	Toluene	EPA 8020	0.005 ppm	ND
		12/19/91	12/31/91	Ethylbenzene	EPA 8020	0.005 ppm	ND
		12/19/91	12/31/91	Xylenes	EPA 8020	0.015 ppm	ND
		12/19/91	1/08/92	Organic Lead	DOHS	0.1 ppm	ND
		12/19/91	1/08/92	Organic Lead	DOHS	0.1 ppm	ND
E2-2-II	6'-6.5'	12/19/91	12/31/91	Gasoline	EPA 5030	1.0 ppm	ND
		12/19/91	12/31/91	Benzene	EPA 8020	0.005 ppm	ND
		12/19/91	12/31/91	Toluene	EPA 8020	0.005 ppm	ND
		12/19/91	12/31/91	Ethylbenzene	EPA 8020	0.005 ppm	ND
		12/19/91	12/31/91	Xylenes	EPA 8020	0.015 ppm	ND
		12/19/91	1/08/92	Organic Lead	DOHS	0.1 ppm	ND
		12/19/91	1/08/92	Organic Lead	DOHS	0.1 ppm	ND
E4-1-II	1.5'-2'	12/19/91	12/31/91	Gasoline	EPA 5030	20.0 ppm	8000.0 ppm
		12/19/91	12/31/91	Benzene	EPA 8020	0.1 ppm	8.2 ppm
		12/19/91	12/31/91	Toluene	EPA 8020	0.1 ppm	200.0 ppm
		12/19/91	12/31/91	Ethylbenzene	EPA 8020	0.1 ppm	110.0 ppm
		12/19/91	12/31/91	Xylenes	EPA 8020	0.3 ppm	760.0 ppm
		12/19/91	1/08/92	Organic Lead	DOHS	0.1 ppm	ND
		12/19/91	1/08/92	Organic Lead	DOHS	0.1 ppm	ND
E6-1-I	4.5'-5'	12/19/91	12/31/91	Gasoline	EPA 5030	5.0 ppm	110.0 ppm
		12/19/91	12/31/91	Benzene	EPA 8020	0.025 ppm	ND
		12/19/91	12/31/91	Toluene	EPA 8020	0.025 ppm	3.8 ppm
		12/19/91	12/31/91	Ethylbenzene	EPA 8020	0.025 ppm	2.2 ppm
		12/19/91	12/31/91	Xylenes	EPA 8020	0.075 ppm	22.0 ppm
		12/19/91	1/08/92	Organic Lead	DOHS	0.1 ppm	ND

SOIL Taco Bell Geotechnical Sampling

Sample Location	Depth	Sample Date	Analysis Date	Constituent Tested	Method Detection	Reporting Limit	Analytical Result
U14-1-I	5.5'-6'	1/21/92	2/03/92	Kerosine	EPA 8015	1.0 ppm	ND
		1/21/92	2/03/92	Diesel	EPA 8015	1.0 ppm	ND
		1/21/92	1/29/92	Lead	STLC 7420	0.05 ppm	ND
		1/21/92	1/29/92	TRPH	TRH 418.1	50.0 ppm	140.0 ppm
		1/21/92	1/24/92	Benzene	EPA 8020	0.005 ppm	ND
		1/21/92	1/24/92	Toluene	EPA 8020	0.005 ppm	ND
		1/21/92	1/24/92	Ethylbenzene	EPA 8020	0.005 ppm	ND
		1/21/92	1/24/92	Xylenes	EPA 8020	0.015 ppm	ND
		1/21/92	1/24/92	Gasoline	TFH EPA 5030	1.0 ppm	ND
U15-1-I	5.5'-6'	1/21/92	2/03/92	Kerosine	EPA 8015	1.0 ppm	ND
		1/21/92	2/03/92	Diesel	EPA 8015	1.0 ppm	ND
		1/21/92	1/29/92	Lead	STLC 7420	0.05 ppm	ND
		1/21/92	1/29/92	TRPH	TRH 418.1	50.0 ppm	ND
		1/21/92	1/24/92	Benzene	EPA 8020	0.005 ppm	ND
		1/21/92	1/24/92	Toluene	EPA 8020	0.005 ppm	ND
		1/21/92	1/24/92	Ethylbenzene	EPA 8020	0.005 ppm	ND
		1/21/92	1/24/92	Xylenes	EPA 8020	0.015 ppm	ND
		1/21/92	1/24/92	Gasoline	EPA 5030	1.0 ppm	ND
U16-1-I	5.5'-6'	1/21/92	2/03/92	Kerosine	EPA 8015	1.0 ppm	ND
		1/21/92	2/03/92	Diesel	EPA 8015	1.0 ppm	ND
		1/21/92	1/29/92	Lead	STLC 7420	0.05 ppm	ND
		1/21/92	1/29/92	TRPH	TRH 418.1	50.0 ppm	ND
		1/21/92	1/24/92	Benzene	EPA 8020	0.005 ppm	ND
		1/21/92	1/24/92	Toluene	EPA 8020	0.005 ppm	ND
		1/21/92	1/24/92	Ethylbenzene	EPA 8020	0.005 ppm	ND
		1/21/92	1/24/92	Xylenes	EPA 8020	0.015 ppm	ND
		1/21/92	1/24/92	Gasoline	EPA 5030	1.0 ppm	ND
U17-1-I	5.5'-6'	1/21/92	2/03/92	Kerosine	EPA 8015	1.0 ppm	ND
		1/21/92	2/03/92	Diesel	EPA 8015	1.0 ppm	ND
		1/21/92	1/29/92	Lead	STLC 7420	0.05 ppm	ND
		1/21/92	1/29/92	TRPH	TRH 418.1	50.0 ppm	ND
		1/21/92	1/24/92	Benzene	EPA 8020	0.005 ppm	ND
		1/21/92	1/24/92	Toluene	EPA 8020	0.005 ppm	ND
		1/21/92	1/24/92	Ethylbenzene	EPA 8020	0.005 ppm	ND
		1/21/92	1/24/92	Xylenes	EPA 8020	0.015 ppm	ND
		1/21/92	1/24/92	Gasoline	EPA 5030	1.0 ppm	ND
U18-1-I	5.5'-6'	1/21/92	2/03/92	Kerosine	EPA 8015	1.0 ppm	ND
		1/21/92	2/03/92	Diesel	EPA 8015	1.0 ppm	ND
		1/21/92	1/29/92	Lead	STLC 7420	0.05 ppm	ND
		1/21/92	1/29/92	TRPH	TRH 418.1	50.0 ppm	ND
		1/21/92	1/24/92	Benzene	EPA 8020	0.005 ppm	ND
		1/21/92	1/24/92	Toluene	EPA 8020	0.005 ppm	ND
		1/21/92	1/24/92	Ethylbenzene	EPA 8020	0.005 ppm	ND
		1/21/92	1/24/92	Xylenes	EPA 8020	0.015 ppm	ND
		1/21/92	1/24/92	Gasoline	EPA 5030	1.0 ppm	ND
U18-2-I	9.5'-10'	1/21/92	2/03/92	Kerosine	EPA 8015	1.0 ppm	ND
		1/21/92	2/03/92	Diesel	EPA 8015	1.0 ppm	ND
		1/21/92	1/29/92	Lead	STLC 7420	0.05 ppm	ND
		1/21/92	1/29/92	TRPH	TRH 418.1	50.0 ppm	ND
		1/21/92	1/24/92	Benzene	EPA 8020	0.005 ppm	ND
		1/21/92	1/24/92	Toluene	EPA 8020	0.005 ppm	ND
		1/21/92	1/24/92	Ethylbenzene	EPA 8020	0.005 ppm	ND
		1/21/92	1/24/92	Xylenes	EPA 8020	0.015 ppm	ND
		1/21/92	1/24/92	Gasoline	EPA 5030	1.0 ppm	ND

SOIL Taco Bell

Tank excavation site

Sample Location	Depth	Sample Date	Analysis Date	Constituent Tested	Method Detection	Reporting Limit	Analytical Result
Sample#1		6/03/92	6/03/92	Benzene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Toluene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Ethylbenzene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Xylenes	EPA 8020	0.015 ppm	ND
		6/03/92	6/03/92	Gasoline	EPA 5030	1.0 ppm	ND
Sample#2		6/03/92	6/03/92	Benzene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Toluene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Ethylbenzene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Xylenes	EPA 8020	0.015 ppm	ND
		6/03/92	6/03/92	Gasoline	EPA 5030	1.0 ppm	ND
Sample#3		6/03/92	6/03/92	Benzene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Toluene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Ethylbenzene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Xylenes	EPA 8020	0.015 ppm	ND
		6/03/92	6/03/92	Gasoline	EPA 5030	1.0 ppm	ND
Sample#4		6/03/92	6/03/92	Benzene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Toluene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Ethylbenzene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Xylenes	EPA 8020	0.015 ppm	ND
		6/03/92	6/03/92	Gasoline	EPA 5030	1.0 ppm	ND
Sample#5		6/03/92	6/03/92	Benzene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Toluene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Ethylbenzene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Xylenes	EPA 8020	0.015 ppm	ND
		6/03/92	6/03/92	Gasoline	EPA 5030	1.0 ppm	ND
Sample#6		6/03/92	6/03/92	Benzene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Toluene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Ethylbenzene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Xylenes	EPA 8020	0.015 ppm	ND
		6/03/92	6/03/92	Gasoline	EPA 5030	1.0 ppm	ND
Sample#7		6/03/92	6/03/92	Benzene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Toluene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Ethylbenzene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Xylenes	EPA 8020	0.015 ppm	ND
		6/03/92	6/03/92	Gasoline	EPA 5030	1.0 ppm	ND
Sample#8		6/03/92	6/03/92	Benzene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Toluene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Ethylbenzene	EPA 8020	0.005 ppm	ND
		6/03/92	6/03/92	Xylenes	EPA 8020	0.015 ppm	ND
		6/03/92	6/03/92	Gasoline	EPA 5030	1.0 ppm	ND

STOCKPILE SOIL Excavation Site

Taco Bell

Sample Location	Sample Date	Analysis Date	Constituent Tested	Method Detection	Reporting Limit	Analytical Result
S.W. #1	6/15/92	6/19/92	Benzene	EPA 1311/5030/8020	0.5 ppb	ND
	6/15/92	6/19/92	Toluene	EPA 1311/5030/8020	0.5 ppb	1.3 ppb
	6/15/92	6/19/92	Ethylbenzene	EPA 1311/5030/8020	0.5 ppb	0.9 ppb
	6/15/92	6/19/92	Xylenes	EPA 1311/5030/8020	1.0 ppb	45.0 ppb
Center #2	6/15/92	6/19/92	Benzene	EPA 1311/5030/8020	0.5 ppb	0.9 ppb
	6/15/92	6/19/92	Toluene	EPA 1311/5030/8020	0.5 ppb	5.6 ppb
	6/15/92	6/19/92	Ethylbenzene	EPA 1311/5030/8020	0.5 ppb	5.8 ppb
	6/15/92	6/19/92	Xylenes	EPA 1311/5030/8020	1.0 ppb	40.0 ppb
N.E. #3	6/15/92	6/19/92	Benzene	EPA 1311/5030/8020	0.5 ppb	ND
	6/15/92	6/19/92	Toluene	EPA 1311/5030/8020	0.5 ppb	1.1 ppb
	6/15/92	6/19/92	Ethylbenzene	EPA 1311/5030/8020	0.5 ppb	0.5 ppb
	6/15/92	6/19/92	Xylenes	EPA 1311/5030/8020	1.0 ppb	5.5 ppb
N.W. #4	6/15/92	6/22/92	Sulfide	Standard 9030	25.0 ppm	ND
	6/15/92	6/19/92	Cyanide	EPA 9010	1.0 ppm	ND
	6/15/92	6/18/92	pH	EPA 9045		8.6 standard units
	6/15/92	6/22/92	Flash Point	EPA 1010		greater than 140(F)

SOIL

Taco Bell

Sample Location	Depth	Sample Date	Analysis Date	Constituent Tested	Method Detection	Reporting Limit	Analytical Result
West Tank	5'	7/13/92	7/14/92	Benzene	EPA 8020	0.005 ppm	ND
		7/13/92	7/14/92	Toluene	EPA 8020	0.005 ppm	ND
		7/13/92	7/14/92	Ethylbenzene	EPA 8020	0.005 ppm	ND
		7/13/92	7/14/92	Xylenes	EPA 8020	0.015 ppm	ND
		7/13/92	7/14/92	TPH Gasoline	EPA 5030	1.0 ppm	ND
		7/13/92	7/17/92	Kerosine	EPA 8015	1.0 ppm	ND
		7/13/92	7/17/92	Diesel	EPA 8015	1.0 ppm	4.0 ppm
East Tank	5', 10' composite	7/13/92	7/14/92	Benzene	EPA 8020	0.005 ppm	0.21 ppm
		7/13/92	7/14/92	Toluene	EPA 8020	0.005 ppm	ND
		7/13/92	7/14/92	Ethylbenzene	EPA 8020	0.005 ppm	ND
		7/13/92	7/14/92	Xylenes	EPA 8020	0.015 ppm	0.49 ppm
		7/13/92	7/14/92	TPH Gasoline	EPA 5030	1.0 ppm	33.0 ppm
		7/13/92	7/17/92	Kerosine	EPA 8015	1.0 ppm	22.0 ppm
		7/13/92	7/17/92	Diesel	EPA 8015	1.0 ppm	12.0 ppm
Waste Oil	2', 3' composite	7/13/92	7/14/92	TPH Gasoline	EPA 5030	1.0 ppm	ND
		7/13/92	7/14/92	Kerosine	EPA 8015	1.0 ppm	ND
		7/13/92	7/14/92	Diesel	EPA 8015	1.0 ppm	8.0 ppm
		7/13/92	7/16/92	Oil & Grease	EPA 418.1	50.0 ppm	ND
Waste Oil	10'	7/13/92	7/14/92	TPH Gasoline	EPA 5030	1.0 ppm	ND
		7/13/92	7/14/92	Kerosine	EPA 8015	1.0 ppm	ND
		7/13/92	7/14/92	Diesel	EPA 8015	1.0 ppm	4.0 ppm
		7/13/92	7/16/92	Oil & Grease	EPA 418.1	50.0 ppm	ND

SOIL Taco Bell

Sample Location	Depth	Sample Date	Analysis Date	Constituent Tested	Method Detection	Reporting Limit	Analytical Result
Waste Oil	2'2" & 3'5"	7/13/92	7/15/92	Purgeable Organics Modified Method 8240LL			
				1,1,1-trichloroethane		5.0 ppb	ND
				1,1,2,2-tetrachloroethane		5.0 ppb	ND
				1,1,2-trichloroethane		5.0 ppb	ND
				1,1-dichloroethane		5.0 ppb	ND
				1,1-dichloroethene		5.0 ppb	ND
				1,2-dichlorobenzene		5.0 ppb	ND
				1,2-dichloroethane		5.0 ppb	ND
				1,2-dichloropropane		5.0 ppb	ND
				1,3-dichlorobenzene		5.0 ppb	ND
				1,4-dichlorobenzene		5.0 ppb	ND
				2-chloroethylvinyl ether		5.0 ppb	ND
				benzene		5.0 ppb	ND
				bromodichloromethane		5.0 ppb	ND
				bromomethane		10.0 ppb	ND
				carbon tetrachloride		5.0 ppb	ND
				chlorobenzene		5.0 ppb	ND
				chloroethane		10.0 ppb	ND
				chloroform		5.0 ppb	ND
				chloromethane		10.0 ppb	ND
				cis-1,3-dichloropropene		5.0 ppb	ND
				dibromochloromethane		5.0 ppb	ND
				ethylbenzene		5.0 ppb	ND
				tetrachloroethene		10.0 ppb	ND
				toluene		5.0 ppb	ND
				total xylenes		15.0 ppb	ND
				trans-1,2-dichloroethene		5.0 ppb	ND
				trans-1,3-dichloropropene		5.0 ppb	ND
				trichloroethene		5.0 ppb	ND
				trichlorofluoromethane		10.0 ppb	ND
vinyl chloride		10.0 ppb	ND				

SOIL Taco Bell

Sample Location	Depth	Sample Date	Analysis Date	Constituent Tested	Method Detection	Reporting Limit	Analytical Result		
Waste Oil	2'2" & 3'5"	7/13/92	7/14/92	SemiVolatile Organics Modified Method 8270					
POLYNUCLEAR AROM				Acenaphthene		0.3 ppm	ND		
				Acenaphthylene		0.3 ppm	ND		
				Anthracene		0.3 ppm	ND		
				Benzo[a]pyrene		0.3 ppm	ND		
				Benzo[b]fluoranthene		0.3 ppm	ND		
				Benzo[g,h,i]perylene		0.3 ppm	ND		
				Benxyl alcohol		0.3 ppm	ND		
				Benzo[k]fluoranthene		0.3 ppm	ND		
				Chrysene		0.3 ppm	ND		
				Dibenzo[a,h]anthracene		0.3 ppm	ND		
				Fluoranthene		0.3 ppm	ND		
				Fluorene		0.3 ppm	ND		
				Indeno(1,2,3-c,d)pyrene		0.3 ppm	ND		
				Naphthalene		0.3 ppm	ND		
				Phenanthrene		0.3 ppm	ND		
				Pyrene		0.3 ppm	ND		
POLYCHLOROBIPHEN						AROCLOR 1016		0.6 ppm	ND
						AROCLOR 1221		0.6 ppm	ND
						AROCLOR 1232		0.6 ppm	ND
						AROCLOR 1242		0.6 ppm	ND
						AROCLOR 1248		0.6 ppm	ND
						AROCLOR 1254		0.6 ppm	ND
						AROCLOR 1260		0.6 ppm	ND
ANILINES						4-Chloroaniline		0.6 ppm	ND
						2-Nitroaniline		1.5 ppm	ND
						3-Nitroaniline		1.5 ppm	ND
						4-Nitroaniline		1.5 ppm	ND
PHENOLS						Pentachlorophenol		0.3 ppm	ND
						Phenol		0.3 ppm	ND
						2-Chlorophenol		0.3 ppm	ND
						2-Methylphenol		0.3 ppm	ND
						4-Methylphenol		0.3 ppm	ND
						2-Nitrophenol		0.3 ppm	ND
						2,4-Dichlorophenol		0.3 ppm	ND
						4-Chloro-3-methylphenol		0.3 ppm	ND
						2,4,5-Trichlorophenol		0.3 ppm	ND
						2,4,6-Trichlorophenol		0.3 ppm	ND
						4-Nitrophenol		0.3 ppm	ND
						2-Methyl-4, 6-dinitrophenol		0.3 ppm	ND
CREOSOTE								0.3 ppm	ND

SOIL

Taco Bell

Sample Location	Depth	Sample Date	Analysis Date	Constituent Tested	Method Detection	Reporting Limit	Analytical Result
Waste Oil	10'	7/13/92	7/15/92	Purgeable Organics Modified Method 8240LL			
				1,1,1-trichloroethane		5.0 ppb	ND
				1,1,2,2-tetrachloroethane		5.0 ppb	ND
				1,1,2-trichloroethane		5.0 ppb	ND
				1,1-dichloroethane		5.0 ppb	ND
				1,1-dichloroethene		5.0 ppb	ND
				1,2-dichlorobenzene		5.0 ppb	ND
				1,2-dichloroethane		5.0 ppb	ND
				1,2-dichloropropane		5.0 ppb	ND
				1,3-dichlorobenzene		5.0 ppb	ND
				1,4-dichlorobenzene		5.0 ppb	ND
				2-chloroethylvinyl ether		5.0 ppb	ND
				benzene		5.0 ppb	ND
				bromodichloromethane		5.0 ppb	ND
				bromomethane		10.0 ppb	ND
				carbon tetrachloride		5.0 ppb	ND
				chlorobenzene		5.0 ppb	ND
				chloroethane		10.0 ppb	ND
				chloroform		5.0 ppb	ND
				chloromethane		10.0 ppb	ND
				cis-1,3-dichloropropene		5.0 ppb	ND
				dibromochloromethane		5.0 ppb	ND
				ethylbenzene		5.0 ppb	ND
				tetrachloroethene		10.0 ppb	ND
				toluene		5.0 ppb	9.8 ppb
				total xylenes		15.0 ppb	22.0 ppb
				trans-1,2-dichloroethene		5.0 ppb	ND
				trans-1,3-dichloropropene		5.0 ppb	ND
trichloroethene		5.0 ppb	ND				
trichlorofluoromethane		10.0 ppb	ND				
vinyl chloride		10.0 ppb	ND				

SOIL Taco Bell

Sample Location	Depth	Sample Date	Analysis Date	Constituent Tested	Method Detection	Reporting Limit	Analytical Result
POLYNUCLEAR AROM Waste Oil	10'	7/13/92	7/15/92	SemiVolatile Organics Modified Method 8270			
				Acenaphthene		0.3 ppm	ND
				Acenaphthylene		0.3 ppm	ND
				Anthracene		0.3 ppm	ND
				Benzo[a]pyrene		0.3 ppm	ND
				Benzo[b]fluoranthene		0.3 ppm	ND
				Benzo[g,h,i]perylene		0.3 ppm	ND
				Benxyl alcohol		0.3 ppm	ND
				Benzo[k]fluoranthene		0.3 ppm	ND
				Chrysene		0.3 ppm	ND
				Dibenzo[a,h]anthracene		0.3 ppm	ND
				Fluoranthene		0.3 ppm	ND
				Fluorene		0.3 ppm	ND
				Indeno(1,2,3-c,d)pyrene		0.3 ppm	ND
				Naphthalene		0.3 ppm	ND
				Phenanthrene		0.3 ppm	ND
				Pyrene		0.3 ppm	ND
				POLYCHLOROBIPHEN			
AROCLOR 1221		0.6 ppm	ND				
AROCLOR 1232		0.6 ppm	ND				
AROCLOR 1242		0.6 ppm	ND				
AROCLOR 1248		0.6 ppm	ND				
AROCLOR 1254		0.6 ppm	ND				
AROCLOR 1260		0.6 ppm	ND				
ANILINES				4-Chloroaniline		0.6 ppm	ND
				2-Nitroaniline		1.5 ppm	ND
				3-Nitroaniline		1.5 ppm	ND
				4-Nitroaniline		1.5 ppm	ND
PHENOLS				Pentachlorophenol		0.3 ppm	ND
				Phenol		0.3 ppm	ND
				2-Chlorophenol		0.3 ppm	ND
				2-Methylphenol		0.3 ppm	ND
				4-Methylphenol		0.3 ppm	ND
				2-Nitrophenol		0.3 ppm	ND
				2,4-Dichlorophenol		0.3 ppm	ND
				4-Chloro-3-methylphenol		0.3 ppm	ND
				2,4,5-Trichlorophenol		0.3 ppm	ND
				2,4,6-Trichlorophenol		0.3 ppm	ND
				4-Nitrophenol		0.3 ppm	ND
				2-Methyl-4, 6-dinitrophenol		0.3 ppm	ND
CREOSOTE						0.3 ppm	ND

CUMULATIVE GROUNDWATER SAMPLE ANALYTICAL RESULTS

WATER

Sample Location	Sample Date	Analysis Date	Constituent Tested	Test Method	Method Detection	Analytical Result
Excavation Site Sample#9	6/03/92	6/03/92	Benzene	EPA 602	1.5 ppb	29.0 ppb
	6/03/92	6/03/92	Toluene	EPA 602	1.5 ppb	130.0 ppb
	6/03/92	6/03/92	Ethylbenzene	EPA 602	1.5 ppb	ND
	6/03/92	6/03/92	Xylenes	EPA 602	4.5 ppb	2800.0 ppb
	6/03/92	6/03/92	Gasoline	EPA 5030	0.25 ppm	29.0 ppm
Sample#12	6/03/92	6/03/92	Benzene	EPA 602	1.5 ppb	16.0 ppb
	6/03/92	6/03/92	Toluene	EPA 602	1.5 ppb	400.0 ppb
	6/03/92	6/03/92	Ethylbenzene	EPA 602	1.5 ppb	200.0 ppb
	6/03/92	6/03/92	Xylenes	EPA 602	4.5 ppb	2300.0 ppb
	6/03/92	6/03/92	Gasoline	EPA 5030	0.25 ppm	21.0 ppm
Temporary Wells U14-A	1/21/92	2/03/92	Kerosine	EPA 8015	0.5 ppm	2.0 ppm
	1/21/92	2/03/92	Diesel	EPA 8015	0.5 ppm	ND
	1/21/92	1/29/92	Lead	TTLC 7420	0.5 ppm	ND
	1/21/92	1/29/92	TRPH	TRH 418.1	0.5 ppm	3.0 ppm
U14-B-D	1/21/92	1/22/92	Benzene	EPA 602	1.5 ppb	33.0 ppb
	1/21/92	1/22/92	Toluene	EPA 602	1.5 ppb	910.0 ppb
	1/21/92	1/22/92	Ethylbenzene	EPA 602	1.5 ppb	670.0 ppb
	1/21/92	1/22/92	Xylenes	EPA 602	4.5 ppb	4300.0 ppb
	1/21/92	1/22/92	Gasoline	EPA 5030	0.25 ppm	26.0 ppm
U15-A	1/21/92	2/03/92	Kerosine	EPA 8015	0.5 ppm	ND
	1/21/92	2/03/92	Diesel	EPA 8015	0.5 ppm	ND
	1/21/92	1/29/92	Lead	TTLC 7420	0.5 ppm	ND
	1/21/92	1/29/92	TRPH	TRH 418.1	0.5 ppm	ND
U15-B-D	1/21/92	1/22/92	Benzene	EPA 602	0.3 ppb	ND
	1/21/92	1/22/92	Toluene	EPA 602	0.3 ppb	ND
	1/21/92	1/22/92	Ethylbenzene	EPA 602	0.3 ppb	ND
	1/21/92	1/22/92	Xylenes	EPA 602	0.9 ppb	ND
	1/21/92	1/22/92	Gasoline	EPA 5030	0.05 ppm	ND
U16-A	1/21/92	2/03/92	Kerosine	EPA 8015	0.5 ppm	ND
	1/21/92	2/03/92	Diesel	EPA 8015	0.5 ppm	ND
	1/21/92	1/29/92	Lead	TTLC 7420	0.5 ppm	ND
	1/21/92	1/29/92	TRPH	TRH 418.1	0.5 ppm	18.0 ppm
U16-B-D	1/21/92	1/22/92	Benzene	EPA 602	0.3 ppb	ND
	1/21/92	1/22/92	Toluene	EPA 602	0.3 ppb	ND
	1/21/92	1/22/92	Ethylbenzene	EPA 602	0.3 ppb	ND
	1/21/92	1/22/92	Xylenes	EPA 602	0.9 ppb	ND
	1/21/92	1/22/92	Gasoline	EPA 5030	0.05 ppm	ND
U17-A	1/21/92	2/03/92	Kerosine	EPA 8015	0.5 ppm	ND
	1/21/92	2/03/92	Diesel	EPA 8015	0.5 ppm	ND
	1/21/92	1/29/92	Lead	TTLC 7420	0.5 ppm	ND
	1/21/92	1/29/92	TRPH	TRH 418.1	0.5 ppm	ND
U17-B-D	1/21/92	1/22/92	Benzene	EPA 602	0.3 ppb	ND
	1/21/92	1/22/92	Toluene	EPA 602	0.3 ppb	ND
	1/21/92	1/22/92	Ethylbenzene	EPA 602	0.3 ppb	ND
	1/21/92	1/22/92	Xylenes	EPA 602	0.9 ppb	ND
	1/21/92	1/22/92	Gasoline	EPA 5030	0.05 ppm	ND

WATER Taco Bell

Sample Location	Sample Date	Analysis Date	Constituent Tested	Test Method	Method Detection	Analytical Result
MW#1	4/14/95	4/17/95	Oil & Grease	EPA 3510/9070	5.0 ppm	ND
MW#1	12/06/93	12/17/93	Oil & Grease	EPA 3510/9070	5.0 ppm	ND
	12/06/93	12/07/93	TPH Gasoline	EPA 5030/8015	0.05 ppm	ND
	12/06/93	12/10/93	TPH Diesel	EPA 3510/8015	0.20 ppm	ND
	12/06/93	12/10/93	TPH Kerosene	EPA 3510/8015	0.80 ppm	ND
	12/06/93	12/07/93	Benzene	EPA 5030/602	0.30 ppb	ND
	12/06/93	12/07/93	Toluene	EPA 5030/602	0.30 ppb	ND
	12/06/93	12/07/93	Ethylbenzene	EPA 5030/602	0.30 ppb	ND
	12/06/93	12/07/93	Xylenes	EPA 5030/602	0.60 ppb	ND
MW#1	9/01/93	9/13/93	Oil & Grease	EPA 3510/9070	5.0 ppm	ND
	9/01/93	9/08/93	TPH Gasoline	EPA 5030/8015	0.05 ppm	ND
	9/01/93	9/09/93	TPH Diesel	EPA 3510/8015	0.05 ppm	ND
	9/01/93	9/09/93	TPH Kerosene	EPA 3510/8015	0.20 ppm	ND
	9/01/93	9/08/93	Benzene	EPA 5030/602	0.30 ppb	ND
	9/01/93	9/08/93	Toluene	EPA 5030/602	0.30 ppb	ND
	9/01/93	9/08/93	Ethylbenzene	EPA 5030/602	0.30 ppb	ND
	9/01/93	9/08/93	Xylenes	EPA 5030/602	0.60 ppb	ND
MW#1	1/04/93	1/12/93	Oil & Grease	EPA 418.1	0.5 ppm	ND
	1/04/93	1/05/93	TPH Gasoline	EPA 5030	0.05 ppm	ND
	1/04/93	1/12/93	TPH Diesel	EPA 8015mod.	0.5 ppm	ND
	1/04/93	1/12/93	TPH Kerosene	EPA 8015mod.	0.5 ppm	ND
	1/04/93	1/05/93	Benzene	EPA 602	0.30 ppb	ND
	1/04/93	1/05/93	Toluene	EPA 602	0.30 ppb	ND
	1/04/93	1/05/93	Ethylbenzene	EPA 602	0.30 ppb	ND
	1/04/93	1/05/93	Xylenes	EPA 602	0.90 ppb	ND

WATER

Taco Bell

Sample Location	Sample Date	Analysis Date	Constituent Tested	Method Detection	Analytical Result
MW#1	1/04/93	1/06/93	Volatile Organic EPA Method M624		
			1,1,1-trichloroethane	5.0 ppb	ND
			1,1,2,2-tetrachloroethane	5.0 ppb	ND
			1,1,2-trichloroethane	5.0 ppb	ND
			1,1-dichloroethane	5.0 ppb	ND
			1,1-dichloroethene	5.0 ppb	ND
			1,2-dichlorobenzene	5.0 ppb	ND
			1,2-dichloroethane	5.0 ppb	ND
			1,2-dichloropropane	5.0 ppb	ND
			1,3-dichlorobenzene	5.0 ppb	ND
			1,4-dichlorobenzene	5.0 ppb	ND
			2-chloroethylvinyl ether	5.0 ppb	ND
			benzene	5.0 ppb	ND
			bromodichloromethane	5.0 ppb	ND
			bromomethane	10.0 ppb	ND
			carbon tetrachloride	5.0 ppb	ND
			chlorobenzene	5.0 ppb	ND
			chloroethane	10.0 ppb	ND
			chloroform	5.0 ppb	ND
			chloromethane	10.0 ppb	ND
			cis-1,3-dichloropropene	5.0 ppb	ND
			dibromochloromethane	5.0 ppb	ND
			ethylbenzene	5.0 ppb	ND
			tetrachloroethene	10.0 ppb	ND
			toluene	5.0 ppb	ND
			total xylenes	15.0 ppb	ND
			trans-1,2-dichloroethene	5.0 ppb	ND
			trans-1,3-dichloropropene	5.0 ppb	ND
trichloroethene	5.0 ppb	ND			
trichlorofluoromethane	10.0 ppb	ND			
vinyl chloride	10.0 ppb	ND			

WATER Taco Bell

Sample Location	Sample Date	Analysis Date	Constituent Tested	Method Detection	Analytical Result	
MW#1 POLYNUCLEAR AROM	1/04/93	1/06/93	SemiVolatile Organics EPA Method M625			
			Acenaphthene	10.0 ppb	ND	
			Acenaphthylene	10.0 ppb	ND	
			Anthracene	10.0 ppb	ND	
			Benzo[a]pyrene	10.0 ppb	ND	
			Benzo[b]fluoranthene	10.0 ppb	ND	
			Benzo[g,h,i]perylene	10.0 ppb	ND	
			Benzyl alcohol	20.0 ppb	ND	
			Benzo[k]fluoranthene	10.0 ppb	ND	
			Chrysene	10.0 ppb	ND	
			Dibenzo[a,h]anthracene	10.0 ppb	ND	
			Fluoranthene	10.0 ppb	ND	
			Fluorene	10.0 ppb	ND	
			Indeno(1,2,3-c,d)pyrene	10.0 ppb	ND	
			Naphthalene	10.0 ppb	ND	
			Phenanthrene	10.0 ppb	ND	
			Pyrene	10.0 ppb	ND	
POLYCHLOROBIPHEN			AROCLOR 1016	50.0 ppb	ND	
			AROCLOR 1221	50.0 ppb	ND	
			AROCLOR 1232	50.0 ppb	ND	
			AROCLOR 1242	50.0 ppb	ND	
			AROCLOR 1248	50.0 ppb	ND	
			AROCLOR 1254	50.0 ppb	ND	
			AROCLOR 1260	50.0 ppb	ND	
ANILINES			4-Chloroaniline	20.0 ppb	ND	
			2-Nitroaniline	50.0 ppb	ND	
			3-Nitroaniline	50.0 ppb	ND	
			4-Nitroaniline	50.0 ppb	ND	
PHENOLS			Pentachlorophenol	10.0 ppb	ND	
			Phenol	10.0 ppb	ND	
			2-Chlorophenol	10.0 ppb	ND	
			2-Methylphenol	10.0 ppb	ND	
			4-Methylphenol	10.0 ppb	ND	
			2-Nitrophenol	10.0 ppb	ND	
			2,4-Dichlorophenol	10.0 ppb	ND	
			4-Chloro-3-methylphenol	10.0 ppb	ND	
			2,4,5-Trichlorophenol	10.0 ppb	ND	
			2,4,6-Trichlorophenol	10.0 ppb	ND	
			4-Nitrophenol	10.0 ppb	ND	
			2-Methyl-4, 6-dinitrophenol	10.0 ppb	ND	
			CREOSOTE			
MW#1	1/04/93	1/07/93	Cadmium	TTLIC 7130	0.01 ppm	ND
	1/04/93	1/07/93	Chromium	TTLIC 7190	0.02 ppm	ND
	1/04/93	1/07/93	Lead	TTLIC 7420	0.05 ppm	ND
	1/04/93	1/07/93	Nickel	TTLIC 7520	0.02 ppm	ND
	1/04/93	1/07/93	Zinc	TTLIC 7920	0.08 ppm	ND

WATER

Sample Location	Sample Date	Analysis Date	Constituent Tested	Test Method	Method Detection	Analytical Result
MW#2	4/14/95	4/17/95	Oil & Grease	EPA 3510/9070	5.0 ppm	ND
MW#2	12/06/93	12/17/93	Oil & Grease	EPA 3510/9070	5.0 ppm	5.5 ppm
	12/06/93	12/07/93	TPH Gasoline	EPA 5030/8015	0.05 ppm	ND
	12/06/93	12/10/93	TPH Diesel	EPA 3510/8015	0.05 ppm	ND
	12/06/93	12/10/93	TPH Kerosene	EPA 3510/8015	0.20 ppm	ND
	12/06/93	12/07/93	Benzene	EPA 5030/602	0.30 ppb	ND
	12/06/93	12/07/93	Toluene	EPA 5030/602	0.30 ppb	ND
	12/06/93	12/07/93	Ethylbenzene	EPA 5030/602	0.30 ppb	ND
	12/06/93	12/07/93	Xylenes	EPA 5030/602	0.60 ppb	ND
	MW#2	9/01/93	9/13/93	Oil & Grease	EPA 3510/9070	5.0 ppm
9/01/93		9/08/93	TPH Gasoline	EPA 5030/8015	0.05 ppm	ND
9/01/93		9/09/93	TPH Diesel	EPA 3510/8015	0.05 ppm	ND
9/01/93		9/09/93	TPH Kerosene	EPA 3510/8015	0.20 ppm	ND
9/01/93		9/08/93	Benzene	EPA 5030/602	0.30 ppb	ND
9/01/93		9/08/93	Toluene	EPA 5030/602	0.30 ppb	ND
9/01/93		9/08/93	Ethylbenzene	EPA 5030/602	0.30 ppb	ND
9/01/93		9/08/93	Xylenes	EPA 5030/602	0.60 ppb	ND
MW#2		1/04/93	1/12/93	Oil & Grease	EPA 418.1	0.5 ppm
	1/04/93	1/05/93	TPH Gasoline	EPA 5030	0.05 ppm	ND
	1/04/93	1/12/93	TPH Diesel	EPA 8015mod.	0.5 ppm	ND
	1/04/93	1/12/93	TPH Kerosene	EPA 8015mod.	0.5 ppm	ND
	1/04/93	1/05/93	Benzene	EPA 602	0.30 ppb	ND
	1/04/93	1/05/93	Toluene	EPA 602	0.30 ppb	ND
	1/04/93	1/05/93	Ethylbenzene	EPA 602	0.30 ppb	ND
	1/04/93	1/05/93	Xylenes	EPA 602	0.90 ppb	ND

WATER Taco Bell

Sample Location	Sample Date	Analysis Date	Constituent Tested	Method Detection	Analytical Result
MW#2	1/04/93	1/06/93	Volatile Organic EPA Method M624		
			1,1,1-trichloroethane	5.0 ppb	ND
			1,1,2,2-tetrachloroethane	5.0 ppb	ND
			1,1,2-trichloroethane	5.0 ppb	ND
			1,1-dichloroethane	5.0 ppb	ND
			1,1-dichloroethene	5.0 ppb	ND
			1,2-dichlorobenzene	5.0 ppb	ND
			1,2-dichloroethane	5.0 ppb	ND
			1,2-dichloropropane	5.0 ppb	ND
			1,3-dichlorobenzene	5.0 ppb	ND
			1,4-dichlorobenzene	5.0 ppb	ND
			2-chloroethylvinyl ether	5.0 ppb	ND
			benzene	5.0 ppb	ND
			bromodichloromethane	5.0 ppb	ND
			bromomethane	10.0 ppb	ND
			carbon tetrachloride	5.0 ppb	ND
			chlorobenzene	5.0 ppb	ND
			chloroethane	10.0 ppb	ND
			chloroform	5.0 ppb	ND
			chloromethane	10.0 ppb	ND
			cis-1,3-dichloropropene	5.0 ppb	ND
dibromochloromethane	5.0 ppb	ND			
ethylbenzene	5.0 ppb	ND			
tetrachloroethene	10.0 ppb	ND			
toluene	5.0 ppb	ND			
total xylenes	15.0 ppb	ND			
trans-1,2-dichloroethene	5.0 ppb	ND			
trans-1,3-dichloropropene	5.0 ppb	ND			
trichloroethene	5.0 ppb	ND			
trichlorofluoromethane	10.0 ppb	ND			
vinyl chloride	10.0 ppb	ND			

Sample Location	Sample Date	Analysis Date	Constituent Tested	Method Detection	Analytical Result	
SemiVolatile Organics EPA Method M625						
POLYNUCLEAR AROM MW#2	1/04/93	1/06/93	Acenaphthene	10.0 ppb	ND	
			Acenaphthylene	10.0 ppb	ND	
			Anthracene	10.0 ppb	ND	
			Benzo[a]pyrene	10.0 ppb	ND	
			Benzo[b]fluoranthene	10.0 ppb	ND	
			Benzo[g,h,i]perylene	10.0 ppb	ND	
			Benzyl alcohol	20.0 ppb	ND	
			Benzo[k]fluoranthene	10.0 ppb	ND	
			Chrysene	10.0 ppb	ND	
			Dibenzo[a,h]anthracene	10.0 ppb	ND	
			Fluoranthene	10.0 ppb	ND	
			Fluorene	10.0 ppb	ND	
			Indeno(1,2,3-c,d)pyrene	10.0 ppb	ND	
			Naphthalene	10.0 ppb	ND	
			Phenanthrene	10.0 ppb	ND	
Pyrene	10.0 ppb	ND				
POLYCHLOROBIPHEN			AROCLOR 1016	50.0 ppb	ND	
			AROCLOR 1221	50.0 ppb	ND	
			AROCLOR 1232	50.0 ppb	ND	
			AROCLOR 1242	50.0 ppb	ND	
			AROCLOR 1248	50.0 ppb	ND	
			AROCLOR 1254	50.0 ppb	ND	
			AROCLOR 1260	50.0 ppb	ND	
ANILINES			4-Chloroaniline	20.0 ppb	ND	
			2-Nitroaniline	50.0 ppb	ND	
			3-Nitroaniline	50.0 ppb	ND	
			4-Nitroaniline	50.0 ppb	ND	
PHENOLS			Pentachlorophenol	10.0 ppb	ND	
			Phenol	10.0 ppb	ND	
			2-Chlorophenol	10.0 ppb	ND	
			2-Methylphenol	10.0 ppb	ND	
			4-Methylphenol	10.0 ppb	ND	
			2-Nitrophenol	10.0 ppb	ND	
			2,4-Dichlorophenol	10.0 ppb	ND	
			4-Chloro-3-methylphenol	10.0 ppb	ND	
			2,4,5-Trichlorophenol	10.0 ppb	ND	
			2,4,6-Trichlorophenol	10.0 ppb	ND	
			4-Nitrophenol	10.0 ppb	ND	
			2-Methyl-4, 6-dinitrophenol	10.0 ppb	ND	
CREOSOTE				0.3 ppm	ND	
MW#2	1/04/93	1/07/93	Cadmium	TTLIC 7130	0.01 ppm	ND
	1/04/93	1/07/93	Chromium	TTLIC 7190	0.02 ppm	ND
	1/04/93	1/07/93	Lead	TTLIC 7420	0.05 ppm	ND
	1/04/93	1/07/93	Nickel	TTLIC 7520	0.02 ppm	ND
	1/04/93	1/07/93	Zinc	TTLIC 7920	0.08 ppm	ND

WATER

Sample Location	Sample Date	Analysis Date	Constituent Tested	Test Method	Method Detection	Analytical Result
MW#3	4/14/95	4/17/95	Oil & Grease	EPA 3510/9070	5.0 ppm	ND
MW#3	12/06/93	12/17/93	Oil & Grease	EPA 3510/9070	5.0 ppm	ND
	12/06/93	12/07/93	TPH Gasoline	EPA 5030/8015	0.05 ppm	ND
	12/06/93	12/10/93	TPH Diesel	EPA 3510/8015	0.05 ppm	ND
	12/06/93	12/10/93	TPH Kerosene	EPA 3510/8015	0.20 ppm	ND
	12/06/93	12/07/93	Benzene	EPA 5030/602	0.30 ppb	ND
	12/06/93	12/07/93	Toluene	EPA 5030/602	0.30 ppb	ND
	12/06/93	12/07/93	Ethylbenzene	EPA 5030/602	0.30 ppb	ND
	12/06/93	12/07/93	Xylenes	EPA 5030/602	0.60 ppb	ND
	MW#3	9/01/93	9/13/93	Oil & Grease	EPA 3510/9070	5.0 ppm
9/01/93		9/08/93	TPH Gasoline	EPA 5030/8015	0.05 ppm	ND
9/01/93		9/09/93	TPH Diesel	EPA 3510/8015	0.05 ppm	ND
9/01/93		9/09/93	TPH Kerosene	EPA 3510/8015	0.20 ppm	ND
9/01/93		9/08/93	Benzene	EPA 5030/602	0.30 ppb	ND
9/01/93		9/08/93	Toluene	EPA 5030/602	0.30 ppb	ND
9/01/93		9/08/93	Ethylbenzene	EPA 5030/602	0.30 ppb	ND
9/01/93		9/08/93	Xylenes	EPA 5030/602	0.60 ppb	ND
MW#3	1/04/93	1/12/93	Oil & Grease	EPA 418.1	0.5 ppm	ND
	1/04/93	1/05/93	TPH Gasoline	EPA 5030	0.05 ppm	ND
	1/04/93	1/12/93	TPH Diesel	EPA 8015mod.	0.5 ppm	ND
	1/04/93	1/12/93	TPH Kerosene	EPA 8015mod.	0.5 ppm	ND
	1/04/93	1/05/93	Benzene	EPA 602	0.30 ppb	ND
	1/04/93	1/05/93	Toluene	EPA 602	0.30 ppb	ND
	1/04/93	1/05/93	Ethylbenzene	EPA 602	0.30 ppb	ND
	1/04/93	1/05/93	Xylenes	EPA 602	0.90 ppb	ND

WATER Taco Bell

Sample Location	Sample Date	Analysis Date	Constituent Tested	Method Detection	Analytical Result
MW#3	1/04/93	1/06/93	Volatile Organics EPA Method M624		
			1,1,1-trichloroethane	5.0 ppb	ND
			1,1,2,2-tetrachloroethane	5.0 ppb	ND
			1,1,2-trichloroethane	5.0 ppb	ND
			1,1-dichloroethane	5.0 ppb	ND
			1,1-dichloroethene	5.0 ppb	ND
			1,2-dichlorobenzene	5.0 ppb	ND
			1,2-dichloroethane	5.0 ppb	ND
			1,2-dichloropropane	5.0 ppb	ND
			1,3-dichlorobenzene	5.0 ppb	ND
			1,4-dichlorobenzene	5.0 ppb	ND
			2-chloroethylvinyl ether	5.0 ppb	ND
			benzene	5.0 ppb	ND
			bromodichloromethane	5.0 ppb	ND
			bromomethane	10.0 ppb	ND
			carbon tetrachloride	5.0 ppb	ND
			chlorobenzene	5.0 ppb	ND
			chloroethane	10.0 ppb	ND
			chloroform	5.0 ppb	ND
			chloromethane	10.0 ppb	ND
			cis-1,3-dichloropropene	5.0 ppb	ND
			dibromochloromethane	5.0 ppb	ND
			ethylbenzene	5.0 ppb	ND
			tetrachloroethene	10.0 ppb	ND
			toluene	5.0 ppb	ND
			total xylenes	15.0 ppb	ND
			trans-1,2-dichloroethene	5.0 ppb	ND
trans-1,3-dichloropropene	5.0 ppb	ND			
trichloroethene	5.0 ppb	ND			
trichlorofluoromethane	10.0 ppb	ND			
vinyl chloride	10.0 ppb	ND			

WATER Taco Bell

Sample Location	Sample Date	Analysis Date	Constituent Tested	Method Detection	Analytical Result
SemiVolatile Organics EPA Method M625					
POLYNUCLEAR AROMATICS					
MW#3	1/04/93	1/06/93	Acenaphthene	10.0 ppb	ND
			Acenaphthylene	10.0 ppb	ND
			Anthracene	10.0 ppb	ND
			Benzo[a]pyrene	10.0 ppb	ND
			Benzo[b]fluoranthene	10.0 ppb	ND
			Benzo[g,h,i]perylene	10.0 ppb	ND
			Benzyl alcohol	20.0 ppb	ND
			Benzo[k]fluoranthene	10.0 ppb	ND
			Chrysene	10.0 ppb	ND
			Dibenzo[a,h]anthracene	10.0 ppb	ND
			Fluoranthene	10.0 ppb	ND
			Fluorene	10.0 ppb	ND
			Indeno(1,2,3-c,d)pyrene	10.0 ppb	ND
			Naphthalene	10.0 ppb	ND
			Phenanthrene	10.0 ppb	ND
			Pyrene	10.0 ppb	ND
POLYCHLOROBIPHEN			AROCLOR 1016	50.0 ppb	ND
			AROCLOR 1221	50.0 ppb	ND
			AROCLOR 1232	50.0 ppb	ND
			AROCLOR 1242	50.0 ppb	ND
			AROCLOR 1248	50.0 ppb	ND
			AROCLOR 1254	50.0 ppb	ND
			AROCLOR 1260	50.0 ppb	ND
ANILINES			4-Chloroaniline	20.0 ppb	ND
			2-Nitroaniline	50.0 ppb	ND
			3-Nitroaniline	50.0 ppb	ND
			4-Nitroaniline	50.0 ppb	ND
PHENOLS			Pentachlorophenol	10.0 ppb	ND
			Phenol	10.0 ppb	ND
			2-Chlorophenol	10.0 ppb	ND
			2-Methylphenol	10.0 ppb	ND
			4-Methylphenol	10.0 ppb	ND
			2-Nitrophenol	10.0 ppb	ND
			2,4-Dichlorophenol	10.0 ppb	ND
			4-Chloro-3-methylphenol	10.0 ppb	ND
			2,4,5-Trichlorophenol	10.0 ppb	ND
			2,4,6-Trichlorophenol	10.0 ppb	ND
			4-Nitrophenol	10.0 ppb	ND
			2-Methyl-4, 6-dinitrophenol	10.0 ppb	ND
CREOSOTE				0.3 ppm	ND
MW#3	1/04/93	1/07/93	Cadmium	TTLIC 7130	0.01 ppm
	1/04/93	1/07/93	Chromium	TTLIC 7190	0.02 ppm
	1/04/93	1/07/93	Lead	TTLIC 7420	0.05 ppm
	1/04/93	1/07/93	Nickel	TTLIC 7520	0.02 ppm
	1/04/93	1/07/93	Zinc	TTLIC 7920	0.08 ppm

WATER

Sample Location	Sample Date	Analysis Date	Constituent Tested	Test Method	Method Detection	Analytical Result
MW#4	4/14/95	4/17/95	Oil & Grease	EPA 3510/9070	5.0 ppm	ND
MW#4	12/06/93	12/10/93	Oil & Grease	EPA 3510/9070	5.0 ppm	ND
	12/06/93	12/07/93	TPH Gasoline	EPA 5030/8015	0.05 ppm	ND
	12/06/93	12/10/93	TPH Diesel	EPA 3510/8015	0.05 ppm	ND
	12/06/93	12/10/93	TPH Kerosene	EPA 3510/8015	0.20 ppm	ND
	12/06/93	12/07/93	Benzene	EPA 5030/602	0.30 ppb	ND
	12/06/93	12/07/93	Toluene	EPA 5030/602	0.30 ppb	ND
	12/06/93	12/07/93	Ethylbenzene	EPA 5030/602	0.30 ppb	ND
	12/06/93	12/07/93	Xylenes	EPA 5030/602	0.60 ppb	ND
	MW#4	9/01/93	9/13/93	Oil & Grease	EPA 3510/9070	5.0 ppm
9/01/93		9/08/93	TPH Gasoline	EPA 5030/8015	0.05 ppm	ND
9/01/93		9/09/93	TPH Diesel	EPA 3510/8015	0.05 ppm	ND
9/01/93		9/09/93	TPH Kerosene	EPA 3510/8015	0.20 ppm	ND
9/01/93		9/08/93	Benzene	EPA 5030/602	0.30 ppb	ND
9/01/93		9/08/93	Toluene	EPA 5030/602	0.30 ppb	ND
9/01/93		9/08/93	Ethylbenzene	EPA 5030/602	0.30 ppb	ND
9/01/93		9/08/93	Xylenes	EPA 5030/602	0.60 ppb	ND
MW#4	1/19/93	1/21/93	Oil & Grease	EPA 418.1	0.5 ppm	ND
	1/19/93	1/19/93	TPH Gasoline	EPA 5030	0.05 ppm	ND
	1/19/93	1/22/93	TPH Diesel	EPA 8015mod.	0.5 ppm	ND
	1/19/93	1/22/93	TPH Kerosene	EPA 8015mod.	0.5 ppm	ND
	1/19/93	1/19/93	Benzene	EPA 602	0.30 ppb	ND
	1/19/93	1/19/93	Toluene	EPA 602	0.30 ppb	ND
	1/19/93	1/19/93	Ethylbenzene	EPA 602	0.30 ppb	ND
	1/19/93	1/19/93	Xylenes	EPA 602	0.90 ppb	ND

WATER Taco Bell

Sample Location	Sample Date	Analysis Date	Constituent Tested	Method Detection	Analytical Result
SemiVolatile Organics EPA Method M625					
POLYNUCLEAR AROMATICS					
MW#4	1/04/93	1/06/93	Acenaphthene	10.0 ppb	ND
			Acenaphthylene	10.0 ppb	ND
			Anthracene	10.0 ppb	ND
			Benzo[a]pyrene	10.0 ppb	ND
			Benzo[b]fluoranthene	10.0 ppb	ND
			Benzo[g,h,i]perylene	10.0 ppb	ND
			Benzyl alcohol	20.0 ppb	ND
			Benzo[k]fluoranthene	10.0 ppb	ND
			Chrysene	10.0 ppb	ND
			Dibenzo[a,h]anthracene	10.0 ppb	ND
			Fluoranthene	10.0 ppb	ND
			Fluorene	10.0 ppb	ND
			Indeno(1,2,3-c,d)pyrene	10.0 ppb	ND
			Naphthalene	10.0 ppb	ND
			Phenanthrene	10.0 ppb	ND
			Pyrene	10.0 ppb	ND
POLYCHLOROBIPHEN					
			AROCLOR 1016	50.0 ppb	ND
			AROCLOR 1221	50.0 ppb	ND
			AROCLOR 1232	50.0 ppb	ND
			AROCLOR 1242	50.0 ppb	ND
			AROCLOR 1248	50.0 ppb	ND
			AROCLOR 1254	50.0 ppb	ND
			AROCLOR 1260	50.0 ppb	ND
ANILINES					
			4-Chloroaniline	20.0 ppb	ND
			2-Nitroaniline	50.0 ppb	ND
			3-Nitroaniline	50.0 ppb	ND
			4-Nitroaniline	50.0 ppb	ND
PHENOLS					
			Pentachlorophenol	10.0 ppb	ND
			Phenol	10.0 ppb	ND
			2-Chlorophenol	10.0 ppb	ND
			2-Methylphenol	10.0 ppb	ND
			4-Methylphenol	10.0 ppb	ND
			2-Nitrophenol	10.0 ppb	ND
			2,4-Dichlorophenol	10.0 ppb	ND
			4-Chloro-3-methylphenol	10.0 ppb	ND
			2,4,5-Trichlorophenol	10.0 ppb	ND
			2,4,6-Trichlorophenol	10.0 ppb	ND
			4-Nitrophenol	10.0 ppb	ND
			2-Methyl-4, 6-dinitrophenol	10.0 ppb	ND
CREOSOTE					
				0.3 ppm	ND
MW#4	1/19/93	1/26/93	Cadmium	TTLIC 7130	0.01 ppm
	1/19/93	1/26/93	Chromium	TTLIC 7190	0.02 ppm
	1/19/93	1/26/93	Lead	TTLIC 7420	0.05 ppm
	1/19/93	1/26/93	Nickel	TTLIC 7520	0.02 ppm
	1/19/93	1/26/93	Zinc	TTLIC 7920	0.08 ppm



LRA ENVIRONMENTAL

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PHONE 916/631-4455

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CLOSURE REPORT

TACO BELL

VOLUME II

1900 WEBSTER STREET

ALAMEDA, ALAMEDA COUNTY, CALIFORNIA

PREPARED BY:

**LRA ENVIRONMENTAL
3235 SUNRISE BOULEVARD, SUITE 5
RANCHO CORDOVA, CALIFORNIA 95742
(916) 631-4455**

**DECEMBER 20, 1995
JOB NUMBER E9170**

APPENDIX E

Chain of Custody and Quality Assurance/Quality Control

- o 19 December 1991 Analytical Report
- o 21 January 1992 Analytical Report
- o 3 June 1992 Analytical Report
- o 15 June 1992 Analytical Report
- o 13 July 1992 Analytical Report
- o 4 January 1993 Analytical Report
- o 19 January 1993 Analytical Report
- o 1 September 1993 Analytical Report
- o 6 December 1993 Analytical Report
- o 14 April 1995 Analytical Report

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: N/A

Date of Analysis: 12/31/91

Sample ID: N/A

Lab ID: Method Blank

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell

CT ID: 3116

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT
		mg/Kg (ppm)

GASOLINE

ND

1

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

Date Samples Received: N/A
Date of Analysis: 12/31/91
Sample ID: MS, MSD
Lab ID: N/A
Matrix: SOIL

PROJECT: Taco Bell
CT ID: 3116

TFH MATRIX SPIKE SUMMARY

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		RPD
		MS	MSD	MS	MSD	
GASOLINE	2.5	1.9	2.1	76%	84%	10%

MS= MATRIX SPIKE
MSD= MATRIX SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA

Date Samples Received: N/A

Date of Analysis: 01/08/92

Sample ID: Method Blank

Lab ID: N/A

Matrix: SOIL

CONTACT: Bob Nicholson

P.O. No: Toco Bell

CT ID: 3116

ANALYSIS: ORGANIC LEAD

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)	Method
ORGANIC LEAD	ND	0.1	DOHS

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

Date Samples Received: N/A
Date of Analysis: 01/08/92
Sample ID: LCS/LCSD
Lab ID: N/A
Matrix: SOIL

P.O. No: Toco Bell
CT ID: 3116

METALS LABORATORY CONTROL SPIKE SUMMARY

COMPOUND	CONC SPIKED (PPM)	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
ORGANIC - LEAD	3.6	3.51	3.44	98%	96%	2%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: N/A

Date of Analysis: 12/31/91

Sample ID: N/A

Lab ID: Method Blank

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell

CT ID: 3116

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
BENZENE	ND	0.005
TOLUENE	ND	0.005
ETHYLBENZENE	ND	0.005
XYLENES	ND	0.015
SURROGATE RECOVERY	97.84	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

Date Samples Received: N/A
Date of Analysis: 12/31/91
Sample ID: MS, MSD
Lab ID: N/A
Matrix: SOIL

PROJECT: Taco Bell
CT ID: 3116

BTEX MATRIX SPIKE SUMMARY

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		RPD
		MS	MSD	MS	MSD	
BENZENE	1.25	1.1	1.1	88%	88%	0%
TOLUENE	1.25	0.99	0.98	79%	78%	1%
ETHYL BENZENE	1.25	0.85	0.85	68%	68%	0%
TOTAL XYLENES	3.75	3.13	3.15	83%	84%	1%

MS= MATRIX SPIKE
MSD= MATRIX SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: N/A

Date of Analysis: 12/31/91

Sample ID: N/A

Lab ID: Method Blank

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell

CT ID: 3116

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
----------	----------------	--------------------------

BENZENE	ND	0.005
---------	----	-------

TOLUENE	ND	0.005
---------	----	-------

ETHYLBENZENE	ND	0.005
--------------	----	-------

XYLENES	ND	0.015
---------	----	-------

SURROGATE RECOVERY

ACCEPTABLE RANGE

97.84

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

Date Samples Received: N/A
Date of Analysis: 12/31/91
Sample ID: MS, MSD
Lab ID: N/A
Matrix: SOIL

PROJECT: Taco Bell
CT ID: 3116

BTEX MATRIX SPIKE SUMMARY

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		RPD
		MS	MSD	MS	MSD	
BENZENE	1.25	1.1	1.1	88%	88%	0%
TOLUENE	1.25	0.99	0.98	79%	78%	1%
ETHYL BENZENE	1.25	0.85	0.85	68%	68%	0%
TOTAL XYLENES	3.75	3.13	3.15	83%	84%	1%

MS= MATRIX SPIKE
MSD= MATRIX SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

PROJECT I.D. <i>Taco Bell Alameda E9170</i>					NO. of CONTAINERS	ANALYSIS										SAMPLE CONDITION ICED	COMMENTS:				
PAGE _____ OF _____		CLIENT CHAIN OF CUSTODY #				BTEX-TPH	TPH-K-D	624/8240	625/8270	418/O&G	5320/803 O&G	METALS	TTC Pb								
LAB I.D. #	SAMPLE I.D.	DATE SAMPLED	TIME SAMPLED	MATRIX																	
920170	U14-A	1-21-92	11:00	Water	1	X		X		X											
920171	U15-A	1-21-92	11:00	↓	1	X		X		X											
920172	U16-A	1-21-92	11:00		1	X		X		X											
920173	U17-A	1-21-92	11:00		1	X		X		X											
920174	U14-B-D	1-21-92			6	X															
920180	U15-D-D	1-21-92		6	X																
920186	U16-D-D	1-21-92		6	X																
920192	U17-D-D	1-21-92		6	X																
920198	U14-1-I	1-21-92	9:30	Soil	1	X	X		X												
920199	U15-1-I	1-21-92	10:30	↓	1	X	X		X												
920200	U16-1-I	1-21-92	11:30		1	X	X		X												
920201	U17-1-I	1-21-92	1:00		1	X	X		X												
920202	U18-1-I	1-21-92	2:00		1	X	X		X												
920203	U18-2-I	1-21-92	2:00		1	X	X		X												

Note: Extract H₂O TPH-D with Freon. Need to also run 418.1 out of same l. Will phone Re: TTLC/STL on soils Pb. Std TAT

Relinquished by: (Signature) <i>m. m. [Signature]</i>	Date/Time 1-22-92 2:55	Received by: (Signature)	Special Instructions
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	
Relinquished by: (Signature)	Date/Time 1-22-92 2:55 PM	Received for Laboratory by: (Signature) <i>[Signature]</i>	

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

Date Samples Received: N/A
Date of Analysis: 02/03/92
Sample ID: LCS/LCSD
Lab ID: N/A
Matrix: WATER

P.O. No: Taco Bell E9170
CT ID: 3149

TPH MATRIX SPIKE SUMMARY

COMPOUND	CONC SPIKED (mg/L)	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
KEROSINE	100	99	105	99%	105%	6%
DIESEL	100	90	88	90%	88%	2%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: N/A

Date of Analysis: 02/03/92

Sample ID: Method Blank

Lab ID: N/A

Matrix: WATER

CONTACT: Bob Nicholson

P.O. No: Taco Bell E9170

CT ID: 3149

ANALYSIS: TPH, EPA 8015

COMPOUND	mg/L (ppm)	REPORTING LIMIT
		mg/L (ppm)
KEROSINE	ND	.5
DIESEL	ND	.5

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: N/A

Date of Analysis: 02/03/92

Sample ID: Method Blank

Lab ID: N/A

Matrix: SOIL

CONTACT: Bob Nicholson

P.O. No: Taco Bell E9170

CT ID: 3149

ANALYSIS: TPH, EPA 8015

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT
		mg/Kg (ppm)
KEROSINE	ND	1.
DIESEL	ND	1.

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: N/A

Date of Analysis: 01/29/92

Sample ID: Method Blank

Lab ID: N/A

Matrix: WATER

CONTACT: Bob Nicholson

P.O. No: Taco Bell

CT ID: 3149

ANALYSIS: METALS - LEAD TTLC

COMPOUND	mg/L (ppm)	REPORTING LIMIT	Method
		mg/L (ppm)	
LEAD	ND	0.5	7420

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

Date Samples Received: N/A
Date of Analysis: 01/29/92
Sample ID: LCS/LCSD
Lab ID: N/A
Matrix: WATER

P.O. No: Taco Bell
CT ID: 3149

METALS LABORATORY CONTROL SPIKE SUMMARY

COMPOUND	CONC SPIKED (PPM)	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
LEAD	3.6	3.62	3.5	101%	97%	3%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: N/A

Date of Analysis: 01/29/92

Sample ID: N/A

Lab ID: Method Blank

Matrix: WATER

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS REPORT: TOTAL RECOVERABLE HYDROCARBONS, 418.1

COMPOUND	(mg/L) (ppm)	REPORTING LIMIT (ppm)
TRPH	ND	0.5

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: N/A

Date of Analysis: 01/22/92

Sample ID: N/A

Lab ID: Method Blank

Matrix: WATER

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS: BTEX EPA 602

COMPOUND	ug/L (ppb)	REPORTING LIMIT (ppb)
BENZENE	ND	0.3
TOLUENE	ND	0.3
ETHYLBENZENE	ND	0.3
XYLENES	ND	0.9

SURROGATE RECOVERY

100.69

ACCEPTABLE RANGE

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

Date Samples Received: N/A
Date of Analysis: 01/22/92
Sample ID: LCS, LCSD
Lab ID: N/A
Matrix: WATER

PROJECT: Taco Bell Alameda
CT ID: 3149

BTEX LABORATORY CONTROL SPIKE SUMMARY

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
BENZENE	25	26	26	104%	104%	0%
TOLUENE	25	26	25	104%	100%	4%
ETHYL BENZENE	25	26	26	104%	104%	0%
TOTAL XYLENES	75	77	77	103%	103%	0%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: N/A

Date of Analysis: 01/22/92

Sample ID: N/A

Lab ID: Method Blank

Matrix: WATER

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/L (ppm)	REPORTING LIMIT mg/L (ppm)
GASOLINE	ND	0.05

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

Date Samples Received: N/A
Date of Analysis: 01/22/92
Sample ID: LCS, LCSD
Lab ID: N/A
Matrix: WATER

PROJECT: Taco Bell Alameda
CT ID: 3149

TFH LABORATORY CONTROL SPIKE SUMMARY

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
GASOLINE	0.04	0.042	0.042	105%	105%	0%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental
Date Samples Received: N/A
Date of Analysis: 02/03/92
Sample ID: LCS/LCSD
Lab ID: N/A
Matrix: SOIL

CONTACT: Bob Nicholson
P.O. No: Taco Bell E9170
CT ID: 3149

ANALYSIS: TPH, EPA 8015

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT
		mg/Kg (ppm)
KEROSINE	ND	1.
DIESEL	ND	1.

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: N/A

Date of Analysis: 01/29/92

Sample ID: Method Blank

Lab ID: N/A

Matrix: SOIL

CONTACT: Bob Nicholson

Project Taco Bell

CT ID: 3149

ANALYSIS: METALS - LEAD STLC

COMPOUND	mg/L (ppm)	REPORTING LIMIT	Method
		mg/L (ppm)	
LEAD	ND	0.05	7420

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

Date Samples Received: N/A
Date of Analysis: 01/29/92
Sample ID: LCS/LCSD
Lab ID: N/A
Matrix: SOIL

P.O. No: Taco Bell
CT ID: 3149

METALS LABORATORY CONTROL SPIKE SUMMARY

COMPOUND	CONC SPIKED (PPM)	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
LEAD	3.6	3.49	3.55	97%	99%	2%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: N/A

Date of Analysis: 01/29/92

Sample ID: N/A

Lab ID: Method Blank

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS REPORT: TOTAL RECOVERABLE HYDROCARBONS, 418.1

COMPOUND	(mg/Kg) (ppm)	REPORTING LIMIT (ppm)
TRPH	ND	50

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

Date Samples Received: N/A
Date of Analysis: 01/29/92
Sample ID: LCS, LCSD
Lab ID: N/A
Matrix: SOIL

P.O. No: Taco Bell Alameda
CT ID: 3149

TRPH LABORATORY CONTROL SPIKE SUMMARY

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
TRPH	2500	2882	2880	115%	115%	0%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: N/A

Date of Analysis: 01/24/92

Sample ID: N/A

Lab ID: Method Blank

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
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BENZENE	ND	0.005
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TOLUENE	ND	0.005
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ETHYLBENZENE	ND	0.005
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XYLENES	ND	0.015
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SURROGATE RECOVERY

ACCEPTABLE RANGE

94.43

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

Date Samples Received: N/A
Date of Analysis: 01/24/92
Sample ID: MS, MSD
Lab ID: N/A
Matrix: SOIL

PROJECT: Taco Bell Alameda
CT ID: 3149

BTEX MATRIX SPIKE SUMMARY

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		RPD
		MS	MSD	MS	MSD	
BENZENE	1.25	1.21	1.24	97%	99%	2%
TOLUENE	1.25	1.03	1.06	82%	85%	3%
ETHYL BENZENE	1.25	0.85	0.87	68%	70%	2%
TOTAL XYLENES	3.75	3.15	3.24	84%	86%	3%

MS= MATRIX SPIKE
MSD= MATRIX SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental
Date Samples Received: N/A
Date of Analysis: 01/24/92
Sample ID: N/A
Lab ID: Method Blank
Matrix: SOIL

CONTACT: Bob Nicholson
PROJECT: Taco Bell Alameda
CT ID: 3149

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
GASOLINE	ND	1

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

Date Samples Received: N/A
Date of Analysis: 01/24/92
Sample ID: MS, MSD
Lab ID: N/A
Matrix: SOIL

PROJECT: Taco Bell Alameda
CT ID: 3149

TFH MATRIX SPIKE SUMMARY

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		RPD
		MS	MSD	MS	MSD	
GASOLINE	2.5	2	2.1	80%	84%	5%

MS= MATRIX SPIKE
MSD= MATRIX SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: N/A

Date of Analysis: 06/03/92

Sample ID: N/A

Lab ID: Method Blank

Matrix: SOIL

CONTACT: M. Miles

PROJECT: Taco Bell-Alameda

CT ID: 3337

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
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BENZENE	ND	0.005
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TOLUENE	ND	0.005
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ETHYLBENZENE	ND	0.005
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XYLENES	ND	0.015
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SURROGATE RECOVERY

ACCEPTABLE RANGE

97.34

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

Date Samples Received: N/A
Date of Analysis: 06/03/92
Sample ID: LCS, LCSD
Lab ID: N/A
Matrix: SOIL

PROJECT: Taco Bell-Alameda
CT ID: 3337

BTEX LABORATORY CONTROL SPIKE SUMMARY

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
BENZENE	1.25	0.92	0.94	74%	75%	2%
TOLUENE	1.25	0.88	0.9	70%	72%	2%
ETHYL BENZENE	1.25	0.79	0.81	63%	65%	3%
TOTAL XYLENES	3.75	2.52	2.58	67%	69%	2%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: N/A

Date of Analysis: 06/03/92

Sample ID: N/A

Lab ID: Method Blank

Matrix: SOIL

CONTACT: M. Miles

PROJECT: Taco Bell-Alameda

CT ID: 3337

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
GASOLINE	ND	1
SURROGATE RECOVERY	113.32	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

Date Samples Received: N/A
 Date of Analysis: 06/03/92
 Sample ID: LCS, LCSD
 Lab ID: N/A
 Matrix: SOIL

PROJECT: Taco Bell-Alameda
 CT ID: 3337

TFH LABORATORY CONTROL SPIKE SUMMARY

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
GASOLINE	2.5	1.8	1.8	72%	72%	0%

LCS= LABORATORY CONTROL SPIKE
 LCSD= LABORATORY CONTROL SPIKE DUPLICATE
 RPD= RELATIVE PERCENT DIFFERENCE
 CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: N/A

Date of Analysis: 06/03/92

Sample ID: N/A

Lab ID: Method Blank

Matrix: WATER

CONTACT: M. Miles

PROJECT: Taco Bell-Alameda

CT ID: 3337

ANALYSIS: BTEX EPA 602

COMPOUND	ug/L (ppb)	REPORTING LIMIT (ppb)
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BENZENE	ND	0.3
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TOLUENE	ND	0.3
---------	----	-----

ETHYLBENZENE	ND	0.3
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XYLENES	ND	0.9
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SURROGATE RECOVERY

ACCEPTABLE RANGE

85.43

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

Date Samples Received: N/A
 Date of Analysis: 06/03/92
 Sample ID: LCS, LCSD
 Lab ID: N/A
 Matrix: WATER

PROJECT: Taco Bell-Alameda
 CT ID: 3337

BTEX LABORATORY CONTROL SPIKE SUMMARY

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
BENZENE	25	21	22	84%	88%	5%
TOLUENE	25	22	22	88%	88%	0%
ETHYL BENZENE	25	21	21	84%	84%	0%
TOTAL XYLENES	75	65	65	87%	87%	0%

LCS= LABORATORY CONTROL SPIKE
 LCSD= LABORATORY CONTROL SPIKE DUPLICATE
 RPD= RELATIVE PERCENT DIFFERENCE
 CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: N/A

Date of Analysis: 06/03/92

Sample ID: N/A

Lab ID: Method Blank

Matrix: WATER

CONTACT: M. Miles

PROJECT: Taco Bell-Alameda

CT ID: 3337

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/L (ppm)	REPORTING LIMIT mg/L (ppm)
GASOLINE	ND	0.05
SURROGATE RECOVERY	102.30	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

Date Samples Received: N/A
Date of Analysis: 06/03/92
Sample ID: LCS, LCSD
Lab ID: N/A
Matrix: WATER

PROJECT: Taco Bell-Alameda
CT ID: 3337

TFH LABORATORY CONTROL SPIKE SUMMARY

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
GASOLINE	0.04	0.037	0.037	93%	93%	0%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: N/A

Date of Analysis: 07/17/92

Sample ID: N/A

Lab ID: Method Blank

Matrix: SOIL

CONTACT: M. Miles

P.O. No: Taco Bell Alameda

CT ID: 3403

ANALYSIS: TPH, EPA 8015

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
KEROSINE	ND	1.
DIESEL	ND	1.

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

Date Samples Received: N/A
Date of Analysis: 07/17/92
Sample ID: N/A
Lab. ID: LCS/LCSD
Matrix: SOIL

P.O. No: Taco Bell Alameda
CT ID: 3403

TPH MATRIX SPIKE SUMMARY

COMPOUND	CONC SPIKED (mg/L)	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
KEROSINE	100	90	98	90%	98%	9%
DIESEL	100	89	80	89%	80%	11%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

CLIENT NAME: **LRA ENVIRONMENTAL**
 ADDRESS: **3235 SUNRISE St # 5**
RANCHO CORDOVA, CA 95
 PROJECT NAME: **LAND BELL - ALAMEDA**
 PROJECT MANAGER: **MIKE MILLS** PHONE # **631-4455**
 SAMPLED BY: " " **631-4466 (FAX)**
 JOB DESCRIPTION: **STOCKPILE**
 SITE LOCATION: **1900 WEBSTER ST. ALAMEDA**

CLIENT JOB NUMBER: _____
 DESTINATION LABORATORY:
 AELC
 3249 FITZGERALD RD.
 RANCHO CORDOVA, CA. 95742
 OTHER

ANALYSIS REQUESTED:
 PRESERVATIVES: **REF - TAP**
Reactivity, Corrosivity, Toxicity

FIELD CONDITIONS:
 COMPOSITE:
 SPECIAL INSTRUCTIONS:
R.C.I. - ON ANY ONE SAMPLE.
 TURN AROUND TIME: _____ NOTE / FIELD READINGS

DATE	TIME	SAMPLE			CONTAINER		
		IDENTIFICATION	DEPTH	METHOD	TYPE	NO.	TYPE
6-15	8:30	S.W. #1	1'	HAND	TUBE	1	METAL TUBE
"	8:35	CENTER #2	"	"	"	1	"
"	8:40	NE #3	"	"	"	1	"
"	8:45	NW #4	"	"	"	1	"
"	8:50	SE #5	"	"	"	1	"
"	8:55	SE #6	"	"	"	1	"

24 HOURS	48 HOURS	1 WEEK	2 WEEKS
		X	

SUSPECTED CONSTITUENTS: _____ SAMPLE RETENTION TIME: _____ PRESERVATIVES: (1) HCL (2) HNO₃ (3) COLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE/TIME	REC'D BY (SIGN)	PRINT NAME / COMPANY
<i>Mike Mills</i>	Mike Mills	6-16-92 2:55 PM		

REC'D AT LAB BY: *Lee Ann Jones* DATE/TIME: 6-16-92 2:50 pm CONDITIONS/COMMENTS: _____
 SHIPPED VIA: FED X UPS OTHER AIRBILL # _____

AMERICAN

ENVIRONMENTAL LABORATORIES CORP.

CA DOHS ELAP Accreditation/Registration Number 1233

Analysis Report: Sulfide, Standard Method 9030

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.:
Contact: Mike Miles
Phone: (916)631-4455

Project: Taco Bell- Alameda

AELC Contact: Mark Smith
Job No.: 799119
COC Log No.: 27285
AELC ID No.: L9119
Batch No.: 54053
Matrix: SOIL

Date Prepared: N/A
Date Analyzed: 06/22/92
Date Reported: 06/23/92

METHOD BLANK

Analyte	CAS No.	Results (mg/kg)	Rep. Limit (mg/kg)
Sulfide	N/A	ND	25

ND - Not detected at or above indicated Reporting Limit
Rep. Limit - Reporting Limit unless otherwise indicated in parentheses.

AMERICAN

ENVIRONMENTAL LABORATORIES CORP.

CA DOHS ELAP Accreditation/Registration Number 1233

Analysis Report: Sulfide, Standard Method 9030

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.:
Contact: Mike Miles
Phone: (916)631-4455

Project: Taco Bell- Alameda

AELC Contact: Mark Smith
Job No.: 799119
COC Log No.: 27285
AELC ID No.: L9119
Batch No.: 54053
Matrix: SOIL

Date Prepared: N/A
Date Analyzed: 06/22/92
Date Reported: 06/23/92

MATRIX SPIKE

Analyte	CAS No.	MS Conc. (mg/kg)	MS Recovery (percent)
Sulfide	N/A	1250	91

MATRIX SPIKE DUPLICATE

Analyte	CAS No.	MSD Conc. (mg/kg)	MSD Recovery (percent)
Sulfide	N/A	1250	86

RELATIVE % DIFFERENCE

Analyte	CAS No.	Relative Percent Difference (percent)
Sulfide	N/A	6

AMERICAN

ENVIRONMENTAL LABORATORIES CORP.

CA DOHS ELAP Accreditation/Registration Number 1233

Analysis Report: Sulfide, Standard Method 9030

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.:
Contact: Mike Miles
Phone: (916)631-4455

Project: Taco Bell- Alameda

AELC Contact: Mark Smith
Job No.: 799119
COC Log No.: 27285
AELC ID No.: L9119
Batch No.: 54053
Matrix: SOIL

Date Reported: 06/23/92

LAB CONTROL STANDARD

Analyte	CAS No.	LCS Conc. (mg/L)	LCS Recovery (percent)
Sulfide	N/A	50	94

AMERICAN

ENVIRONMENTAL LABORATORIES CORP.

CA DOHS ELAP Accreditation/Registration Number 1233

Analysis Report: BTEX, Soluble, Toxicity Characterization Leaching Procedure
EPA Methods 1311 / 5030 / 8020

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.:
Contact: Mike Miles
Phone: (916)631-4455

Project: Taco Bell- Alameda

AELC Contact: Mark Smith
Job No.: 799119
COC Log No.: 27285
AELC ID No.: L9119
Batch No.: 9425
Matrix: TCLEACHATE

Date Extracted: 06/18/92
Date Analyzed: 06/19/92
Date Reported: 06/23/92

MB SURROGATE

Analyte	CAS No.	Surr Conc. (ug/L)	MB Surrogate Recovery (percent)
o-Chlorotoluene	95-49-8	20	103

METHOD BLANK

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)
Benzene	71-43-2	ND	0.5
Toluene	108-88-3	ND	0.5
Ethylbenzene	100-41-4	ND	0.5
Xylenes, total	1330-20-7	ND	1.0

ND - Not detected at or above indicated Reporting Limit
Rep. Limit - Reporting Limit unless otherwise indicated in parentheses.

AMERICAN

ENVIRONMENTAL LABORATORIES CORP.

CA DOHS ELAP Accreditation/Registration Number 1233

Analysis Report: BTEX, Soluble, Toxicity Characterization Leaching Procedure
EPA Methods 1311 / 5030 / 8020

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.:
Contact: Mike Miles
Phone: (916)631-4455

Project: Taco Bell- Alameda

AELC Contact: Mark Smith
Job No.: 799119
COC Log No.: 27285
AELC ID No.: L9119
Batch No.: 9425
Matrix: TCLEACHATE

Date Extracted: 06/18/92
Date Analyzed: 06/19/92
Date Reported: 06/23/92

MB SPIKE SURROGATE

Analyte	CAS No.	MBS Surr. Conc. (ug/L)	Surrogate Recovery (percent)
o-Chlorotoluene	95-49-8	20	103

MB SPIKE

Analyte	CAS No.	MBS Conc. (ug/L)	MBS Recovery (percent)
Benzene	71-43-2	20	89
Toluene	108-88-3	20	87
Ethylbenzene	100-41-4	20	98
Xylenes, total	1330-20-7	60	94

MB SPIKE DUPLICATE SURR.

Analyte	CAS No.	MBSD Surr. Conc. (ug/L)	MBSD Surrogate Recovery (percent)
o-Chlorotoluene	95-49-8	20	103

MB SPIKE DUPLICATE

Analyte	CAS No.	MBSD Conc. (ug/L)	MBSD Recovery (percent)
Benzene	71-43-2	20	97
Toluene	108-88-3	20	92
Ethylbenzene	100-41-4	20	91
Xylenes, total	1330-20-7	60	99

AMERICAN

ENVIRONMENTAL LABORATORIES CORP.

CA DOHS ELAP Accreditation/Registration Number 1233

Analysis Report: BTEX, Soluble, Toxicity Characterization Leaching Procedure
EPA Methods 1311 / 5030 / 8020

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.:
Contact: Mike Miles
Phone: (916)631-4455

Project: Taco Bell- Alameda

AELC Contact: Mark Smith
Job No.: 799119
COC Log No.: 27285
AELC ID No.: L9119
Batch No.: 9425
Matrix: TCLEACHATE

Date Extracted: 06/18/92
Date Analyzed: 06/19/92
Date Reported: 06/23/92

MB SPIKE RPD

Analyte	CAS No.	MBS Relative Percent Difference (percent)
Benzene	71-43-2	9
Toluene	108-88-3	6
Ethylbenzene	100-41-4	7
Xylenes, total	1330-20-7	5

AMERICAN

ENVIRONMENTAL LABORATORIES CORP.

CA DOHS ELAP Accreditation/Registration Number 1233

Analysis Report: BTEX, Soluble, Toxicity Characterization Leaching Procedure
EPA Methods 1311 / 5030 / 8020

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.:
Contact: Mike Miles
Phone: (916)631-4455

Project: Taco Bell- Alameda

AELC Contact: Mark Smith

Date Reported: 06/23/92

Job No.: 799119
COC Log No.: 27285
AELC ID No.: L9119
Batch No.: 9425
Matrix: TCLEACHATE

LAB CONTROL STANDARD

Analyte	CAS No.	LCS Conc. (ug/L)	LCS Recovery (percent)
Benzene	71-43-2	20	104
Toluene	108-88-3	20	96

AMERICAN

ENVIRONMENTAL LABORATORIES CORP.

CA DOHS ELAP Accreditation/Registration Number 1233

Analysis Report: Total Cyanide, EPA Method 9010

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.:
Contact: Mike Miles
Phone: (916)631-4455

Project: Taco Bell- Alameda

AELC Contact: Mark Smith
Job No.: 799119
COC Log No.: 27285
AELC ID No.: L9119
Batch No.: 54069
Matrix: SOIL

Date Prepared: N/A
Date Analyzed: 06/19/92
Date Reported: 06/23/92

METHOD BLANK

Analyte	CAS No.	Results (mg/kg)	Rep. Limit (mg/kg)
Cyanide	57-12-5	ND	1.0

ND - Not detected at or above indicated Reporting Limit
Rep. Limit - Reporting Limit unless otherwise indicated in parentheses.

AMERICAN

ENVIRONMENTAL LABORATORIES CORP.

CA DOHS ELAP Accreditation/Registration Number 1233

Analysis Report: Total Cyanide, EPA Method 9010

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.:
Contact: Mike Miles
Phone: (916)631-4455

Project: Taco Bell- Alameda

Date Prepared: N/A
Date Analyzed: 06/19/92
Date Reported: 06/23/92

AELC Contact: Mark Smith
Job No.: 799119
COC Log No.: 27285
AELC ID No.: L9119
Batch No.: 54069
Matrix: SOIL

MATRIX SPIKE

Analyte	CAS No.	MS Conc. (mg/kg)	MS Recovery (percent)
Cyanide	57-12-5	5.0	83

MATRIX SPIKE DUPLICATE

Analyte	CAS No.	MSD Conc. (mg/kg)	MSD Recovery (percent)
Cyanide	57-12-5	5.0	82

RELATIVE % DIFFERENCE

Analyte	CAS No.	Relative Percent Difference (percent)
Cyanide	57-12-5	1

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA

CONTACT: R NICHOLSON

Date Samples Received: 07/13/92

P.O. No:

Date of Analysis: 07/15/92

CT ID: 3403

Sample ID: WASTE OIL 2'2"&3'5"

Lab ID: 922283&84

Matrix: SOIL

ANALYSIS: Purgeable Organics Modified Method8240LL

File: G1513.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	%Recov
1,2-dichloroethane-d-4	44.0	50.0	88.0
toluene-d8	43.1	50.0	86.2
4-bromofluorobenzene	48.6	50.0	97.1

Surrogate Recovery Range = 50 - 150

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA

CONTACT: R NICHOLSON

Date Samples Received: 07/13/92

P.O. No:

Date of Analysis: 07/15/92

CT ID: 3403

Sample ID: WASTE OIL 10'

Lab ID: 922285

Matrix: SOIL

ANALYSIS: Purgeable Organics Modified Method8240LL

File: G1511.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	%Recov
1,2-dichloroethane-d-4	52.2	50.0	104.3
toluene-d8	48.6	50.0	97.1
4-bromofluorobenzene	44.4	50.0	88.8

Surrogate Recovery Range = 50 - 150

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: N/A

Date of Analysis: 07/16/92

Sample ID: N/A

Lab ID: Method Blank

Matrix: SOIL

CONTACT: B. Nicholson

PROJECT: Taco Bell-Alameda

CT ID: 3403

ANALYSIS REPORT: EPA 418.1; OIL & GREASE by IR SPECTROPHOTOMETER

COMPOUND	(mg/Kg) (ppm)	REPORTING LIMIT (ppm)
OIL & GREASE	ND	50

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

Date Samples Received: N/A
Date of Analysis: 07/16/92
Sample ID: LCS, LCSD
Lab ID: N/A
Matrix: SOIL

PROJECT: Taco Bell-Alameda
CT ID: 3403

EPA 418.1; OIL & GREASE LABORATORY CONTROL SPIKE SUMMARY

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
OIL & GREASE	2500	2370	2500	95%	100%	5%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: N/A

Date of Analysis: 07/14/92

Sample ID: N/A

Lab ID: Method Blank

Matrix: SOIL

CONTACT: B. Nicholson

PROJECT: Taco Bell-Alameda

CT ID: 3403

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
BENZENE	ND	0.005
TOLUENE	ND	0.005
ETHYLBENZENE	ND	0.005
XYLENES	ND	0.015
SURROGATE RECOVERY		ACCEPTABLE RANGE
	98.31	70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

Date Samples Received: N/A
Date of Analysis: 07/14/92
Sample ID: MS, MSD
Lab ID: N/A
Matrix: SOIL

PROJECT: Taco Bell-Alameda
CT ID: 3403

BTEX MATRIX SPIKE SUMMARY

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		RPD
		MS	MSD	MS	MSD	
BENZENE	1.25	0.94	0.96	75%	77%	2%
TOLUENE	1.25	0.91	0.93	73%	74%	2%
ETHYL BENZENE	1.25	0.8	0.81	64%	65%	1%
TOTAL XYLENES	3.75	2.59	2.65	69%	71%	2%

MS= MATRIX SPIKE
MSD= MATRIX SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: N/A

Date of Analysis: 07/14/92

Sample ID: N/A

Lab ID: Method Blank

Matrix: SOIL

CONTACT: B. Nicholson

PROJECT: Taco Bell-Alameda

CT ID: 3403

ANALYSIS: TPH-GASOLINE by EPA 5030 PURGE-AND-TRAP

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
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GASOLINE	ND	1
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SURROGATE RECOVERY

ACCEPTABLE RANGE

93.86

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

Date Samples Received: N/A
Date of Analysis: 07/14/92
Sample ID: MS, MSD
Lab ID: N/A
Matrix: SOIL

PROJECT: Taco Bell-Alameda
CT ID: 3403

TPH-GASOLINE MATRIX SPIKE SUMMARY

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		RPD
		MS	MSD	MS	MSD	
GASOLINE	2.5	2.9	3.2	116%	128%	10%

MS= MATRIX SPIKE
MSD= MATRIX SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES, INC.
ANALYSIS REPORT

Date Samples Received: N/A
Date of Analysis: 07/14/92
Sample ID: N/A
Lab ID: Method Blank
Matrix: SOIL

P.O. No:
CT ID: 3403

ANALYSIS: SemiVolatile Organics Method8270

File: G1402.D

ANALYTES	CONCENTRATION mg/Kg(ppm)	REPORTING LIMIT(ppm)
1,2,4-Trichlorobenzene	ND	0.3
1,2-Dichlorobenzene	ND	0.3
1,3-Dichlorobenzene	ND	0.3
1,4-Dichlorobenzene	ND	0.3
2,4,5-Trichlorophenol	ND	0.3
2,4,6-Trichlorophenol	ND	0.3
2,4-Dichlorophenol	ND	0.3
2,4-Dimethylphenol	ND	0.3
2,4-Dinitrophenol	ND	0.3
2,4-Dinitrotoluene	ND	0.3
2,6-Dinitrotoluene	ND	0.3
2-Chloronaphthalene	ND	0.3
2-Chlorophenol	ND	0.3
2-Methyl-4,6-dinitrophenol	ND	0.3
2-Methylnaphthalene	ND	0.3
2-Methylphenol	ND	0.3
2-Nitroaniline	ND	1.5
2-Nitrophenol	ND	0.3
3,3'-Dichlorobenzidene	ND	0.3
3-Nitroaniline	ND	1.5
4-Bromophenyl phenyl ether	ND	0.3
4-Chloro-3-methylphenol	ND	0.3
4-Chloroaniline	ND	0.6
4-Chlorophenyl phenyl ether	ND	0.3
4-Methylphenol	ND	0.3
4-Nitroaniline	ND	1.5
4-Nitrophenol	ND	0.3
Acenaphthene	ND	0.3
Acenaphthylene	ND	0.3
Anthracene	ND	0.3
Azobenzene	ND	0.3
Benzoic acid	ND	0.3
Benzo[a]pyrene	ND	0.3
Benzo[b]fluoranthene	ND	0.3
Benzo[g,h,i]perylene	ND	0.3
Benzo[k]fluoranthene	ND	0.3
Benzyl alcohol	ND	0.6
Benz[a]anthracene	ND	0.3

MATRIX ENVIRONMENTAL LABORATORIES, INC.
ANALYSIS REPORT

Date Samples Received: N/A
Date of Analysis: 07/14/92
Sample ID: N/A
Lab ID: Method Blank
Matrix: SOIL

P.O. No:
CT ID: 3403

ANALYSIS: SemiVolatile Organics Method8270

File: G1402.D

ANALYTES	CONCENTRATION mg/Kg(ppm)	REPORTING LIMIT(ppm)
Bis(2-chloroethoxy)methane	ND	0.3
Bis(2-chloroethyl)ether	ND	0.3
Bis(2-chloroisopropyl)ether	ND	0.3
Bis(2-ethylhexyl)phthalate	ND	0.3
Butylbenzylphthalate	ND	0.3
Chrysene	ND	0.3
Di-n-Butylphthalate	ND	0.3
Di-n-octylphthalate	ND	0.3
Dibenzofuran	ND	0.3
Dibenzo[a,h]anthracene	ND	0.3
Diethylphthalate	ND	0.3
Dimethylphthalate	ND	0.3
Fluoranthene	ND	0.3
Fluorene	ND	0.3
Hexachlorobenzene	ND	0.3
Hexachlorobutadiene	ND	0.3
Hexachlorocyclopentadiene	ND	0.3
Hexachloroethane	ND	0.3
Indeno(1,2,3-c,d)pyrene	ND	0.3
Isophorone	ND	0.3
N-Nitrosodi-n-propyl amine	ND	0.3
N-Nitrosodimethyl amine	ND	0.3
N-Nitrosodiphenylamine	ND	0.3
Naphthalene	ND	0.3
Nitrobenzene	ND	0.3
Pentachlorophenol	ND	0.3
Phenanthrene	ND	0.3
Phenol	ND	0.3
Pyrene	ND	0.3

ND = Not Detected At or Above the Report Limit

MATRIX ENVIRONMENTAL LABORATORIES, INC.
ANALYSIS REPORT

Date Samples Received: N/A
Date of Analysis: 07/14/92
Sample ID: N/A
Lab ID: Method Blank
Matrix: SOIL

P.O. No:
CT ID: 3403

ANALYSIS: SemiVolatile Organics Method8270

File: G1402.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	Recovery	Range
2-Fluorobiphenyl	67.6	100	67.63	20-140
2-Fluorophenol	94.5	200	47.23	5- 94
4-Terphenyl-D14	130.3	100	130.32	35-160
Nitrobenzene-D5	64.8	100	64.79	43-140
Phenol-D6	153.8	200	76.91	10-123
Tribromophenol	26.2	200	13.12	10-141

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS REPORT

CLIENT: LRA
 Date Samples Received: N/A
 Date of Analysis: 07/15/92
 Sample ID: N/A
 Lab ID: METHOD BLANK
 Matrix: SOIL

CONTACT: R NICHOLSON
 P.O. No:
 CT ID: 3403

ANALYSIS: Purgeable Organics Modified Method8240LL

File: G1701.D

ANALYTES	CONCENTRATION ug/Kg(ppb)	REPORTING LIMIT(ppb)
1,1,1-trichloroethane	ND	5
1,1,2,2-tetrachloroethane	ND	5
1,1,2-trichloroethane	ND	5
1,1-dichloroethane	ND	5
1,1-dichloroethene	ND	5
1,2-dichlorobenzene	ND	5
1,2-dichloroethane	ND	5
1,2-dichloropropane	ND	5
1,3-dichlorobenzene	ND	5
1,4-dichlorobenzene	ND	5
2-chloroethylvinyl ether	ND	5
benzene	ND	5
bromodichloromethane	ND	5
bromomethane	ND	10
carbon tetrachloride	ND	5
chlorobenzene	ND	5
chloroethane	ND	10
chloroform	ND	5
chloromethane	ND	10
cis-1,3-dichloropropene	ND	5
dibromochloromethane	ND	5
ethylbenzene	ND	5
tetrachloroethene	ND	10
toluene	ND	5
total xylenes	ND	15
trans-1,2-dichloroethene	ND	5
trans-1,3-dichloropropene	ND	5
trichloroethene	ND	5
trichlorofluoromethane	ND	10
vinyl chloride	ND	10

ND = Not Detected at, or Above the Report Limit

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA

CONTACT: R NICHOLSON

Date Samples Received: N/A

P.O. No:

Date of Analysis: 07/15/92

CT ID: 3403

Sample ID: N/A

Lab ID: METHOD BLANK

Matrix: SOIL

ANALYSIS: Purgeable Organics Modified Method8240LL

File: G1701.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	%Recov
1,2-dichloroethane-d-4	41.8	50.0	83.6
toluene-d8	47.2	50.0	94.3
4-bromofluorobenzene	47.7	50.0	95.3

Surrogate Recovery Range = 50 - 150

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

Date Samples Received: N/A
Date of Analysis: 07/15/92
Sample ID: N/A
Lab ID: METHOD BLANK
Matrix: SOIL

P.O. No:
CT ID: 3403

ANALYSIS: Purgeable Organics Modified Method8240LL

File: G1701.D

LABORATORY CONTROL SPIKE

COMPOUND	LEVEL ug/Kg (ppb)	LCS AMOUNT ug/Kg (ppb)	% RCVRY	LCSD AMOUNT ug/Kg (ppb)	% RCVRY	RPD
1,1 Dichloroethene	50	59.14	118.28	56.20	112.40	5.10
Benzene	50	53.81	107.62	50.70	101.40	5.95
Trichloroethene	50	36.69	73.38	35.59	71.18	3.04
Toluene	50	62.71	125.42	49.21	98.42	24.12
Chlorobenzene	50	56.97	113.94	47.59	95.18	17.94

% RECOVERY RANGE = 50-150
RPD RANGE = 0- 25

LCS = LABORATORY CONTROL SPIKE
LCSD = LABORATORY CONTROL SPIKE DUPLICATE
RPD = RELATIVE PERCENT DEVIATION

MATRIX ENVIRONMENTAL LABORATORIES, INC.
ANALYSIS REPORT

Date Samples Received: 7/14/92

P.O. No:

Taco Bel

Date of Analysis: 07/14/92

CT ID: 3403

Sample ID: LCS/D

Lab ID: 922283/4MS

Matrix: WATER

ANALYSIS: SemiVolatile Organic Analytes Method 625

File: G1406.D

LABORATORY CONTROL SPIKE

COMPOUND	LEVEL	LCS AMNT	% RECVRY	LCSD AMNT	% RECVRY	RECVRY RANGE	RPD
Phenol	200	109.4	54.7	114.5	57.3	5-112	4.6
2-Chlorophenol	200	263.0	131.5	273.1	136.6	23-134	3.8
1,4-Dichlorobenzene	100	58.3	58.3	61.8	61.8	20-124	5.9
N-Nitrosodi-n-propyl amine	100	145.6	145.6	134.7	134.7	1-230	7.8
1,2,4-Trichlorobenzene	100	52.4	52.4	56.3	56.3	32-142	7.2
2-Chloro-3-methylphenol	200	129.7	64.9	129.4	64.7	22-147	0.3
Acenaphthene	100	70.4	70.4	71.2	71.2	30-145	1.2
4-Nitrophenol	200	29.5	14.8	29.9	15.0	1-132	1.3
1,4-Dinitrotoluene	100	68.7	68.7	63.9	63.9	20-139	7.1
Pentachlorophenol	200	7.4	3.7	8.7	4.4	14-176	16.3
Pyrene	100	92.9	92.9	104.7	104.7	32-145	12.0

RPD RANGE = 0- 25

Note: Pentachlorophenol recovery low due to laboratory error.

All concentrations are in mg/L (ppm)

LCS = LABORATORY CONTROL SPIKE

LCSD = LABORATORY CONTROL SPIKE DUPLICATE

RPD = RELATIVE PERCENT DEVIATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: BTEX, EPA 602

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: N/A
Lab ID: Method Blank

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 1/05/93
Matrix: WATER

COMPOUND	ug/L (ppb)	REPORTING LIMIT (ppb)
BENZENE	ND	0.3
TOLUENE	ND	0.3
ETHYLBENZENE	ND	0.3
XYLENES	ND	0.9
SURROGATE RECOVERY		ACCEPTABLE RANGE
	115.71	70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: BTEX SPIKE SUMMARY

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: MS, MSD
Lab ID: N/A

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 1/05/93
Matrix: WATER

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		
		MS	MSD	MS	MSD	RPD
BENZENE	20.0	18.4	20.2	92%	101%	9%
TOLUENE	20.0	18.7	20.4	94%	102%	9%
ETHYL BENZENE	20.0	18.6	20.2	93%	101%	8%
TOTAL XYLENES	60.0	55.3	60.6	92%	101%	9%

MS= MATRIX SPIKE
MSD= MATRIX SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH-GASOLINE by EPA 5030 PURGE-AND-TRAP

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: N/A
Lab ID: Method Blank

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 1/05/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT
		mg/L (ppm)
GASOLINE	ND	0.05
SURROGATE RECOVERY	101.86	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH-GASOLINE SPIKE SUMMARY

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: MS, MSD
Lab ID: N/A

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 1/05/93
Matrix: WATER

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		
		MS	MSD	MS	MSD	RPD
GASOLINE	0.040	0.038	0.042	95%	105%	10%

MS= MATRIX SPIKE
MSD= MATRIX SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH, EPA 8015 mod.

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: N/A
Lab ID: Method Blank

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/12/93
Date of Analysis: 1/12/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT
		mg/L (ppm)
KEROSINE	ND	.5
DIESEL	ND	.5

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH MATRIX SPIKE SUMMARY

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: N/A
Lab ID: LCS/LCSD

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/12/93
Date of Analysis: 1/12/93
Matrix: WATER

COMPOUND	CONC SPIKED (mg/L)	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
KEROSINE	66	53	51	80%	77%	4%
DIESEL	66	50	50	76%	76%	0%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3719
Project No:
Sample ID: N/A
Lab ID: METHOD BLANK

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 01/06/93
Matrix: WATER

File: A0601.D

ANALYTES	CONCENTRATION ug/L(ppb)	REPORTING LIMIT(ppb)
1,1,1-trichloroethane	ND	5
1,1,2,2-tetrachloroethane	ND	5
1,1,2-trichloroethane	ND	5
1,1-dichloroethane	ND	5
1,1-dichloroethene	ND	5
1,2-dichlorobenzene	ND	5
1,2-dichloroethane	ND	5
1,2-dichloropropane	ND	5
1,3-dichlorobenzene	ND	5
1,4-dichlorobenzene	ND	5
2-chloroethylvinyl ether	ND	5
bromodichloromethane	ND	5
bromomethane	ND	10
carbon tetrachloride	ND	5
chlorobenzene	ND	5
chloroethane	ND	10
chloroform	ND	5
chloromethane	ND	10
cis-1,3-dichloropropene	ND	5
dibromochloromethane	ND	5
tetrachloroethene	ND	10
trans-1,2-dichloroethene	ND	5
trans-1,3-dichloropropene	ND	5
trichloroethene	ND	5
trichlorofluoromethane	ND	10
vinyl chloride	ND	10

ND = Not Detected at, or Above the Report Limit

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3719
Project No:
Sample ID: N/A
Lab ID: METHOD BLANK

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 01/06/93
Matrix: WATER

File: A0601.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	%Recov
1,2-dichloroethane-d-4	41.8	50.0	83.7
toluene-d8	48.0	50.0	95.9
4-bromofluorobenzene	51.8	50.0	103.6

Surrogate Recovery Range = 50 - 150

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3719
Project No:
Sample ID: TACO BELL MW#1
Lab ID: 925115

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: N/A
Date of Analysis: 01/06/93
Matrix: WATER

File: A0605.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	%Recov
1,2-dichloroethane-d-4	49.1	50.0	98.1
toluene-d8	50.2	50.0	100.4
4-bromofluorobenzene	54.6	50.0	109.2

Surrogate Recovery Range = 50 - 150

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3719
Project No:
Sample ID: TACO BELL MW#2
Lab ID: 925123

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: N/A
Date of Analysis: 01/06/93
Matrix: WATER

File: A0606.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	%Recov
1,2-dichloroethane-d-4	48.5	50.0	97.1
toluene-d8	51.3	50.0	102.6
4-bromofluorobenzene	55.9	50.0	111.8

Surrogate Recovery Range = 50 - 150

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3719
Project No:
Sample ID: TACO BELL MW#3
Lab ID: 925131

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: N/A
Date of Analysis: 01/06/93
Matrix: WATER

File: A0607.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	%Recov
1,2-dichloroethane-d-4	47.0	50.0	93.9
toluene-d8	51.3	50.0	102.7
4-bromofluorobenzene	54.5	50.0	109.0

Surrogate Recovery Range = 50 - 150

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method 624

COC No: 3719
Lab ID: LCS/D

Date of Analysis: 01/06/93
Matrix: WATER

File: A0603.D

LABORATORY CONTROL SPIKE

COMPOUND	LEVEL ug/L (ppb)	LCS AMNT ug/L (ppb)	% RCVRY	LCSD AMNT ug/L (ppb)	% RCVRY	RPD
1,1-dichloroethene	50.0	29.67	59.34	30.15	60.30	1.60
benzene	50.0	44.00	88.00	44.40	88.80	0.90
chlorobenzene	50.0	45.12	90.24	43.54	87.08	3.56
toluene	50.0	44.21	88.42	45.11	90.22	2.02
trichloroethene	50.0	51.70	103.40	50.41	100.82	2.53

% RECOVERY RANGE = 50-150
RPD RANGE = 0-25

LCS = LABORATORY CONTROL SPIKE
LCSD = LABORATORY CONTROL SPIKE DUPLICATE
RPD = RELATIVE PERCENT DEVIATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3719
Project No:
Sample ID: N/A
Lab ID: METHOD BLANK

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/6/93
Date of Analysis: 1/6/93
Matrix: WATER

File: A0607.D

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
POLYNUCLEAR AROMATICS		
Acenaphthene	ND	10
Acenaphthylene	ND	10
Anthracene	ND	10
Benzo[a]pyrene	ND	10
Benzo[b]fluoranthene	ND	10
Benzo[g,h,i]perylene	ND	10
Benzoic acid	ND	10
Benzo[k]fluoranthene	ND	10
Benzyl alcohol	ND	20
Chrysene	ND	10
Dibenzofuran	ND	10
Fluoranthene	ND	10
Fluorene	ND	10
Indeno(1,2,3-c,d)pyrene	ND	10
Naphthalene	ND	10
Phenanthrene	ND	10
Pyrene	ND	10
POLYCHLOROBIPHENYLS(PCB)		
Aroclor 1016	ND	50
Aroclor 1221	ND	50
Aroclor 1232	ND	50
Aroclor 1242	ND	50
Aroclor 1248	ND	50
Aroclor 1254	ND	50
Aroclor 1260	ND	50

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3719
Project No:
Sample ID: N/A
Lab ID: METHOD BLANK

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/6/93
Date of Analysis: 1/6/93
Matrix: WATER

File: A0607.D

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
ANILINES		
4-Chloroaniline	ND	20
2-Nitroaniline	ND	50
3-Nitroaniline	ND	50
4-Nitroaniline	ND	50
PHENOLS		
Pentachlorophenol	ND	10
Phenol	ND	10
2-Chlorophenol	ND	10
2-Methylphenol	ND	10
4-Methylphenol	ND	10
2-Nitrophenol	ND	10
2,4-Dichlorophenol	ND	10
4-Chloro-3-methylphenol	ND	10
2,4,5-Trichlorophenol	ND	10
2,4,6-Trichlorophenol	ND	10
4-Nitrophenol	ND	10
2-Methyl-4,6-dinitrophenol	ND	10
CREOSOTE	ND	0.3

ND = Not detected at or above the Report Limit.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3719
Project No:
Sample ID: N/A
Lab ID: METHOD BLANK

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/6/93
Date of Analysis: 1/6/93
Matrix: WATER

File: A0607.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	Recovery	Range
2-Fluorobiphenyl	68.2	100	68.2	43-116
2-Fluorophenol	111.5	200	55.8	21-100
4-Terphenyl-D14	142.3	100	142.3	33-141
Nitrobenzene-D5	65.6	100	65.6	35-114
Phenol-D6	73.7	200	36.9	10-94
Tribromophenol	97.8	200	48.9	10-123

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3719
Project No:
Sample ID: MW#1
Lab ID: 925112

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/6/93
Date of Analysis: 1/6/93
Matrix: WATER

File: A0610.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	Recovery	Range
2-Fluorobiphenyl	70.3	100	70.3	43-116
2-Fluorophenol	25.9	200	12.9	21-100 *
4-Terphenyl-D14	94.4	100	94.4	33-141
Nitrobenzene-D5	61.3	100	61.3	35-114
Phenol-D6	18.3	200	9.1	10-94 *
Tribromophenol	59.4	200	29.7	10-123

* NOTE: Surrogate recoveries are slightly low. Insufficient sample was provided to allow a repeat extraction and analysis.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3719
Project No:
Sample ID: MW#2
Lab ID: 925120

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/6/93
Date of Analysis: 1/6/93
Matrix: WATER

File: A0611.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	Recovery	Range
2-Fluorobiphenyl	83.6	100	83.6	43-116
2-Fluorophenol	42.4	200	21.2	21-100
4-Terphenyl-D14	62.2	100	62.2	33-141
Nitrobenzene-D5	76.1	100	76.1	35-114
Phenol-D6	30.5	200	15.3	10-94
Tribromophenol	88.9	200	44.4	10-123

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3719
Project No:
Sample ID: MW#3
Lab ID: 925128

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/6/93
Date of Analysis: 1/6/93
Matrix: WATER

File: A0612.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	Recovery	Range
2-Fluorobiphenyl	70.5	100	70.5	43-116
2-Fluorophenol	51.9	200	26.0	21-100
4-Terphenyl-D14	74.9	100	74.9	33-141
Nitrobenzene-D5	60.8	100	60.8	35-114
Phenol-D6	38.0	200	19.0	10-94
Tribromophenol	126.8	200	63.4	10-123

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organics EPA Method 625

COC No: 3719
Project No:
Sample ID: N/A
Lab ID: N/A

Date Extracted: 10/23/92
Date of Analysis: 1/6/93
Matrix: WATER

File: A0609.D

LABORATORY CONTROL SPIKE

COMPOUND	LEVEL	LCS AMNT	% RECVRY	LCSD AMNT	% RECVRY	RECVRY RANGE	RPD
Phenol	200	85.9	43.0	86.9	43.4	5-112	1.1
2-Chlorophenol	200	149.3	74.7	158.1	79.1	23-134	5.7
1,4-Dichlorobenzene	100	55.2	55.2	59.0	59.0	20-124	6.7
N-Nitrosodi-n-propyl am	100	69.4	69.4	75.2	75.2	1-230	8.1
1,2,4-Trichlorobenzene	100	53.4	53.4	52.9	52.9	32-142	1.0
4-Chloro-3-methylphenol	200	173.0	86.5	184.8	92.4	22-147	6.6
Acenaphthene	100	69.1	69.1	70.5	70.5	30-145	2.0
4-Nitrophenol	200	24.9	12.4	22.5	11.3	1-132	10.0
2,4-Dinitrotoluene	100	83.1	83.1	81.5	81.5	20-139	1.9
Pentachlorophenol	200	95.7	47.8	82.8	41.4	14-176	14.5
Pyrene	100	82.3	82.3	90.6	90.6	32-145	9.6

RPD RANGE = 0- 25

All concentrations are in mg/L (ppm)

LCS=LABORATORY CONTROL SPIKE

LCSD=LABORATORY CONTROL SPIKE DUPLICATE

RPD = RELATIVE PERCENT DEVIATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: EPA 418.1, OIL & GREASE by IR SPECTROPHOTOMETER

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: N/A
Lab ID: METHOD BLANK

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/11/93
Date of Analysis: 1/12/93
Matrix: WATER

COMPOUND	(mg/L) (ppm)	REPORTING LIMIT (ppm)
OIL & GREASE	ND	0.5

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: EPA 418.1; OIL & GREASE SPIKE SUMMARY

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: LCS/LCSD
Lab ID: N/A

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/11/93
Date of Analysis: 1/12/93
Matrix: WATER

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		
		LCS	LCSD	LCS	LCSD	RPD
OIL & GREASE	10	11	11	110%	110%	0%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: METALS CAM 5 TTLC

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: N/A
Lab ID: Method Blank

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/06/93
Date of Analysis: 1/07/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT mg/L (ppm)	Method
CADMIUM	ND	.01	7130
CHROMIUM	ND	.02	7190
LEAD	ND	.05	7420
NICKEL	ND	.02	7520
ZINC	ND	.08	7920

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: METALS LABORATORY CONTROL SPIKE SUMMARY

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: N/A
Lab ID: LCS/LCSD

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/06/93
Date of Analysis: 1/07/93
Matrix: WATER

COMPOUND	CONC SPIKED (PPM)	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
CADMIUM	3.6	3.26	3.29	91%	91%	1%
CHROMIUM	3.6	3.31	3.27	92%	91%	1%
LEAD	3.6	3.28	3.32	91%	92%	1%
NICKEL	3.6	3.23	3.27	90%	91%	1%
ZINC	1.8	1.66	1.62	92%	90%	2%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: BTEX, EPA 602

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell
Sample ID: N/A
Lab ID: Method Blank

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 1/19/93
Matrix: WATER

COMPOUND	ug/L (ppb)	REPORTING LIMIT (ppb)
BENZENE	ND	0.3
TOLUENE	ND	0.3
ETHYLBENZENE	ND	0.3
XYLENES	ND	0.9
SURROGATE RECOVERY		ACCEPTABLE RANGE
	102.39	70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: BTEX SPIKE SUMMARY

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell
Sample ID: LCS, LCSD
Lab ID: N/A

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 1/19/93
Matrix: WATER

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		
		LCS	LCSD	LCS	LCSD	RPD
BENZENE	20.0	19.3	18.3	97%	92%	5%
TOLUENE	20.0	19.4	18.6	97%	93%	4%
ETHYL BENZENE	20.0	19.3	18.5	97%	93%	4%
TOTAL XYLENES	60.0	57.6	54.9	96%	92%	5%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH-GASOLINE by EPA 5030 PURGE-AND-TRAP

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell
Sample ID: N/A
Lab ID: Method Blank

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 1/19/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT
		mg/L (ppm)
GASOLINE	ND	0.05
SURROGATE RECOVERY	100.43	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH-GASOLINE SPIKE SUMMARY

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell
Sample ID: LCS, LCSD
Lab ID: N/A

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 1/19/93
Matrix: WATER

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
GASOLINE	0.040	0.040	0.038	100%	95%	5%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3736
Project No:
Sample ID: N/A
Lab ID: METHOD BLANK

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 01/20/93
Matrix: WATER

File: A2008.D

ANALYTES	CONCENTRATION ug/L(ppb)	REPORTING LIMIT(ppb)
1,1,1-trichloroethane	ND	5
1,1,2,2-tetrachloroethane	ND	5
1,1,2-trichloroethane	ND	5
1,1-dichloroethane	ND	5
1,1-dichloroethene	ND	5
1,2-dichlorobenzene	ND	5
1,2-dichloroethane	ND	5
1,2-dichloropropane	ND	5
1,3-dichlorobenzene	ND	5
1,4-dichlorobenzene	ND	5
2-chloroethylvinyl ether	ND	5
bromodichloromethane	ND	5
bromomethane	ND	10
carbon tetrachloride	ND	5
chlorobenzene	ND	5
chloroethane	ND	10
chloroform	ND	5
chloromethane	ND	10
cis-1,3-dichloropropene	ND	5
dibromochloromethane	ND	5
tetrachloroethene	ND	10
trans-1,2-dichloroethene	ND	5
trans-1,3-dichloropropene	ND	5
trichloroethene	ND	5
trichlorofluoromethane	ND	10
vinyl chloride	ND	10

ND = Not Detected at, or Above the Report Limit

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3736
Project No:
Sample ID: N/A
Lab ID: METHOD BLANK

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 01/20/93
Matrix: WATER

File: A2008.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	%Recov
1,2-dichloroethane-d-4	50.3	50.0	100.5
toluene-d8	49.3	50.0	98.6
4-bromofluorobenzene	54.6	50.0	109.1

Surrogate Recovery Range = 50 - 150

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3736
Project No:
Sample ID: Taco Bell MW#4
Lab ID: 930012

Date Sampled: 1/19/93
Date Received: 1/19/93
Date Extracted: N/A
Date of Analysis: 01/20/93
Matrix: WATER

File: A2005.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	%Recov
1,2-dichloroethane-d-4	47.8	50.0	95.6
toluene-d8	49.9	50.0	99.8
4-bromofluorobenzene	55.1	50.0	110.3

Surrogate Recovery Range = 50 - 150

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method 624

COC No: 3736
Lab ID: LCS/D

Date of Analysis: 01/20/93
Matrix: WATER

File: A2003.D

LABORATORY CONTROL SPIKE

COMPOUND	LEVEL ug/L (ppb)	LCS AMNT ug/L (ppb)	% RCVRY	LCSD AMNT ug/L (ppb)	% RCVRY	RPD
1,1-dichloroethene	50.0	68.86	137.72	71.42	142.84	3.65
benzene	50.0	58.99	117.98	60.19	120.38	2.01
chlorobenzene	50.0	54.24	108.48	54.61	109.22	0.68
toluene	50.0	57.94	115.88	58.28	116.56	0.59
trichloroethene	50.0	56.64	113.28	56.79	113.58	0.26

% RECOVERY RANGE = 50-150
RPD RANGE = 0-25

LCS = LABORATORY CONTROL SPIKE
LCSD = LABORATORY CONTROL SPIKE DUPLICATE
RPD = RELATIVE PERCENT DEVIATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3736
Project No:
Sample ID: MW#4
Lab ID: 930008

Date Sampled: 1/19/93
Date Received: 1/19/93
Date Extracted: 1/21/93
Date of Analysis: 1/22/93
Matrix: WATER

File: A2205.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	Recovery	Range
2-Fluorobiphenyl	89.1	100	89.1	43-116
2-Fluorophenol	77.4	200	38.7	21-100
4-Terphenyl-D14	97.6	100	97.6	33-141
Nitrobenzene-D5	86.5	100	86.5	35-114
Phenol-D6	49.3	200	24.7	10-94
Tribromophenol	166.9	200	83.4	10-123

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organics EPA Method 625

COC No: 3736
Project No:
Sample ID: N/A
Lab ID: N/A

Date Extracted: 10/23/92
Date of Analysis: 1/22/93
Matrix: WATER

File: A2204.D

LABORATORY CONTROL SPIKE

COMPOUND	LEVEL	LCS AMNT	% RECVRY	LCSD AMNT	% RECVRY	RECVRY RANGE	RPD
Phenol	200	66.9	33.5	74.3	37.2	5-112	10.5
2-Chlorophenol	200	137.7	68.8	140.9	70.4	23-134	2.3
1,4-Dichlorobenzene	100	68.8	68.8	69.4	69.4	20-124	0.9
N-Nitrosodi-n-propyl am	100	79.5	79.5	79.3	79.3	1-230	0.3
1,2,4-Trichlorobenzene	100	80.2	80.2	80.5	80.5	32-142	0.4
4-Chloro-3-methylphenol	200	175.8	87.9	179.8	89.9	22-147	2.3
Acenaphthene	100	81.7	81.7	83.6	83.6	30-145	2.3
4-Nitrophenol	200	13.0	6.5	16.5	8.3	1-132	24.0
2,4-Dinitrotoluene	100	84.3	84.3	71.3	71.3	20-139	16.7
Pentachlorophenol	200	28.4	14.2	35.8	17.9	14-176	23.1
Pyrene	100	83.5	83.5	79.1	79.1	32-145	5.4

RPD RANGE = 0- 25

All concentrations are in mg/L (ppm)

LCS=LABORATORY CONTROL SPIKE

LCSD=LABORATORY CONTROL SPIKE DUPLICATE

RPD = RELATIVE PERCENT DEVIATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH, EPA 8015 mod.

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell E9170
Sample ID: N/A
Lab ID: Method Blank

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/22/93
Date of Analysis: 1/22/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT
		mg/L (ppm)
KEROSINE	ND	.5
DIESEL	ND	.5

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH MATRIX SPIKE SUMMARY

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell E9170
Sample ID: N/A
Lab ID: LCS/LCSD

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/22/93
Date of Analysis: 1/22/93
Matrix: WATER

COMPOUND	CONC SPIKED (mg/L)	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
KEROSINE	100	60	57	60%	57%	5%
DIESEL	100	58	63	58%	63%	8%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: EPA 418.1, OIL & GREASE by IR SPECTROPHOTOMETER

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell
Sample ID: N/A
Lab ID: Method Blank

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/20/93
Date of Analysis: 1/21/93
Matrix: WATER

COMPOUND	(mg/L) (ppm)	REPORTING LIMIT (ppm)
OIL & GREASE	ND	0.5

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: EPA 418.1; OIL & GREASE SPIKE SUMMARY

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell
Sample ID: N/A
Lab ID: LCS/LCSD

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/20/93
Date of Analysis: 1/21/93
Matrix: WATER

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
OIL & GREASE	10	11.05	11.05	111%	111%	0%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: METALS CAM 5 TTLC

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell E9170
Sample ID: N/A
Lab ID: Method Blank

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/22/93
Date of Analysis: 1/26/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT	Method
		mg/L (ppm)	
CADMIUM	ND	.01	7130
CHROMIUM	ND	.02	7190
LEAD	ND	.05	7420
NICKEL	ND	.02	7520
ZINC	ND	.08	7920

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: METALS LABORATORY CONTROL SPIKE SUMMARY

CLIENT: LRA Environmental
CONTACT: B. Nicholson Date Sampled: N/A
COC No: 3736 Date Received: N/A
Project No: Taco Bell E9170 Date Extracted: 1/22/93
Sample ID: N/A Date of Analysis: 1/26/93
Lab ID: LCS/LCSD Matrix: WATER

COMPOUND	CONC SPIKED (PPM)	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
CADMIUM	3.6	3.41	3.35	95%	93%	2%
CHROMIUM	3.6	3.41	3.36	95%	93%	1%
LEAD	3.6	3.29	3.34	91%	93%	2%
NICKEL	3.6	3.29	3.33	91%	93%	1%
ZINC	1.8	1.57	1.55	87%	86%	1%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3736
Project No:
Sample ID: N/A
Lab ID: METHOD BLANK

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/21/93
Date of Analysis: 1/22/93
Matrix: WATER

File: A2202.D

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
POLYNUCLEAR AROMATICS		
Acenaphthene	ND	10
Acenaphthylene	ND	10
Anthracene	ND	10
Benzo[a]pyrene	ND	10
Benzo[b]fluoranthene	ND	10
Benzo[g,h,i]perylene	ND	10
Benzoic acid	ND	10
Benzo[k]fluoranthene	ND	10
Benzyl alcohol	ND	20
Chrysene	ND	10
Dibenzofuran	ND	10
Fluoranthene	ND	10
Fluorene	ND	10
Indeno(1,2,3-c,d)pyrene	ND	10
Naphthalene	ND	10
Phenanthrene	ND	10
Pyrene	ND	10
POLYCHLOROBIPHENYLS(PCB)		
Aroclor 1016	ND	50
Aroclor 1221	ND	50
Aroclor 1232	ND	50
Aroclor 1242	ND	50
Aroclor 1248	ND	50
Aroclor 1254	ND	50
Aroclor 1260	ND	50

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3736
Project No:
Sample ID: N/A
Lab ID: METHOD BLANK

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/21/93
Date of Analysis: 1/22/93
Matrix: WATER

File: A2202.D

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
ANILINES		
4-Chloroaniline	ND	20
2-Nitroaniline	ND	50
3-Nitroaniline	ND	50
4-Nitroaniline	ND	50
PHENOLS		
Pentachlorophenol	ND	10
Phenol	ND	10
2-Chlorophenol	ND	10
2-Methylphenol	ND	10
4-Methylphenol	ND	10
2-Nitrophenol	ND	10
2,4-Dichlorophenol	ND	10
4-Chloro-3-methylphenol	ND	10
2,4,5-Trichlorophenol	ND	10
2,4,6-Trichlorophenol	ND	10
4-Nitrophenol	ND	10
2-Methyl-4,6-dinitrophenol	ND	10
CREOSOTE	ND	0.3

ND = Not detected at or above the Report Limit.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3736
Project No:
Sample ID: N/A
Lab ID: METHOD BLANK

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/21/93
Date of Analysis: 1/22/93
Matrix: WATER

File: A2202.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	Recovery	Range
2-Fluorobiphenyl	91.4	100	91.4	43-116
2-Fluorophenol	119.6	200	59.8	21-100
4-Terphenyl-D14	119.8	100	119.8	33-141
Nitrobenzene-D5	77.3	100	77.3	35-114
Phenol-D6	86.9	200	43.4	10-94
Tribromophenol	89.8	200	44.9	10-123



M213

CLIENT NAME
LRA Environmental

ADDRESS
3235 Sunrise Blvd #5

Rancho Cordova, CA 95742

PROJECT NAME
TACO Bell Alameda / 3rd QTR '93

PROJECT MANAGER
Robert A Nicholson PHONE # **(916) 631-4455**

SAMPLED BY
Chuck Johnson

JOB DESCRIPTION
UST Removal / 3rd QTR Monitoring

Round

SITE LOCATION
1900 Webster Street

OAKLAND, CA

CLIENT JOB NUMBER
E9171

DESTINATION LABORATORY
 CLS
3249 FITZGERALD RD.
RANCHO CORDOVA, CA 95742

OTHER

PH: (916) 638-7301

ANALYSIS REQUESTED

PRESERVATIVES

TPH G/D/K

TOTAL OIL & GREASE

BTEX

FIELD CONDITIONS:
COOL / Partial A.M overcast

COMPOSITE:
NONE

SPECIAL INSTRUCTIONS:
NONE

TURN AROUND TIME NOTE / FIELD READINGS

DATE	TIME	IDENTIFICATION	SAMPLE		CONTAINER		PRESERVATIVE	TPH	G/D/K	TOTAL OIL & GREASE	BTEX	24 HOURS	48 HOURS	1 WEEK	2 WEEKS
			METHOD	MATRIX	NO.	TYPE									
09-01-93	1405	E9171 MW #1	Bail	H2O	Ø2	Amber 500ml	N	X	X					X	
"	"	" " "	"	"	Ø6	VOA	N			X				X	
09-01-93	1320	E9171 MW #2	Bail	H2O	Ø2	Amber 500ml	N	X	X					X	
"	"	" " "	"	"	Ø6	VOA	N			X				X	
09-01-93	1225	E9171 MW #3	Bail	H2O	Ø2	Amber 500ml	N	X	X					X	
"	"	" " "	"	"	Ø6	VOA	N			X				X	
09-01-93	1100	E9171 MW #3	Bail	H2O	Ø2	Amber 500ml	N	X	X					X	
"	"	" " "	"	"	Ø6	VOA	N			X				X	

SUSPECTED CONSTITUENTS
Petroleum Hydrocarbons / BTEX

SAMPLE RETENTION TIME

PRESERVATIVES: (1) HCL (3) = COLD
(2) HNO3 (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	REC'D BY (SIGN)	PRINT NAME / COMPANY
<i>Chuck Johnson</i>	LRA Environmental	09-01-93 / 1900H	<i>Robert A Nicholson</i>	LRA Environmental
<i>Robert A Nicholson</i>	LRA Environmental	09-07-93 / 1605	<i>CLS</i>	

REC'D AT LAB BY
Susan Wilcox

DATE / TIME
9-7-93 1605

CONDITIONS / COMMENTS:

SHIPPED VIA FEDX UPS OTHER **OTC**

AIR BILL #



California Laboratory Services

Analysis Report: BTEX, EPA Method 602
Purge and Trap, EPA Method 5030

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.: E9171
Contact: Robert Nicholson
Phone: (916) 631-4455

Project: Taco Bell Alameda/3rd QTR '93

CLS Contact: George Hampton
Job No.: 792133
COC Log No.: 10006
CLS ID No.: M2133
Batch No.: 12040
Matrix: WATER

Date Extracted: 09/08/93
Date Analyzed: 09/08/93
Date Reported: 09/09/93

MB SURROGATE

Analyte	CAS No.	Surr Conc. (ug/L)	MB Surrogate Recovery (percent)
o-Chlorotoluene	95-49-8	20	112

METHOD BLANK

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)
Benzene	71-43-2	ND	0.3
Toluene	108-88-3	ND	0.3
Ethylbenzene	100-41-4	ND	0.3
Xylenes, total	1330-20-7	ND	0.6

ND = Not detected at or above indicated Reporting Limit
Rep. Limit = Reporting Limit unless otherwise indicated in parentheses.



California Laboratory Services

Analysis Report: BTEX, EPA Method 602
Purge and Trap, EPA Method 5030

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.: E9171
Contact: Robert Nicholson
Phone: (916) 631-4455

Project: Taco Bell Alameda/3rd QTR '93

CLS Contact: George Hampton
Job No.: 792133
COC Log No.: 10006
CLS ID No.: M2133
Batch No.: 12040
Matrix: WATER

Date Extracted: 09/08/93
Date Analyzed: 09/08/93
Date Reported: 09/09/93

MS SURROGATE

Analyte	CAS No.	MS Surr. Conc. (ug/L)	MS Surrogate Recovery (percent)
o-Chlorotoluene	95-49-8	20	100

MATRIX SPIKE

Analyte	CAS No.	MS Conc. (ug/L)	MS Recovery (percent)
Benzene	71-43-2	20	97
Toluene	108-88-3	20	89
Ethylbenzene	100-41-4	20	96
Xylenes, total	1330-20-7	60	108

MSD SURROGATE

Analyte	CAS No.	Surr. Conc. (ug/L)	MSD Surrogate Recovery (percent)
o-Chlorotoluene	95-49-8	20	100

MATRIX SPIKE DUPLICATE

Analyte	CAS No.	MSD Conc. (ug/L)	MSD Recovery (percent)
Benzene	71-43-2	20	97
Toluene	108-88-3	20	90
Ethylbenzene	100-41-4	20	97
Xylenes, total	1330-20-7	60	109



California Laboratory Services

Analysis Report: BTEX, EPA Method 602
Purge and Trap, EPA Method 5030

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.: E9171
Contact: Robert Nicholson
Phone: (916) 631-4455

Project: Taco Bell Alameda/3rd QTR '93

CLS Contact: George Hampton
Job No.: 792133
COC Log No.: 10006
CLS ID No.: M2133
Batch No.: 12040
Matrix: WATER

Date Extracted: 09/08/93
Date Analyzed: 09/08/93
Date Reported: 09/09/93

RELATIVE % DIFFERENCE

Analyte	CAS No.	Relative Percent Difference (percent)
Benzene	71-43-2	0
Toluene	108-88-3	1
Ethylbenzene	100-41-4	1
Xylenes, total	1330-20-7	1



California Laboratory Services

Analysis Report: BTEX, EPA Method 602
Purge and Trap, EPA Method 5030

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.: E9171
Contact: Robert Nicholson
Phone: (916) 631-4455

Project: Taco Bell Alameda/3rd QTR '93

CLS Contact: George Hampton
Job No.: 792133
COC Log No.: 10006
CLS ID No.: M2133
Batch No.: 12040
Matrix: WATER

Date Extracted: 09/08/93
Date Analyzed: 09/08/93
Date Reported: 09/09/93

LCS SURROGATE

Analyte	CAS No.	LCS Conc. (ug/L)	LCS Surrogate Recovery (percent)
o-Chlorotoluene	95-49-8	20	99

LAB CONTROL SAMPLE

Analyte	CAS No.	LCS Conc. (ug/L)	LCS Recovery (percent)
Benzene	71-43-2	20	99
Ethylbenzene	100-41-4	20	90
Toluene	108-88-3	20	97
Xylenes, total	1330-20-7	60	109



California Laboratory Services

Analysis Report: Total Petroleum Hydrocarbons, EPA Method 8015
Separatory Funnel, EPA Method 3510

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.: E9171
Contact: Robert Nicholson
Phone: (916) 631-4455

Project: Taco Bell Alameda/3rd QTR '93

CLS Contact: George Hampton
Job No.: 792133
COC Log No.: 10006
CLS ID No.: M2133
Batch No.: 12041
Matrix: WATER

Date Extracted: 09/08/93
Date Analyzed: 09/09/93
Date Reported: 09/10/93

METHOD BLANK

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)
TPH as Diesel	N/A	ND	0.05
TPH as Kerosene	N/A	ND	0.20

ND = Not detected at or above indicated Reporting Limit
Rep. Limit = Reporting Limit unless otherwise indicated in parentheses.



California Laboratory Services

Analysis Report: Total Petroleum Hydrocarbons, EPA Method 8015
Separatory Funnel, EPA Method 3510

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.: E9171
Contact: Robert Nicholson
Phone: (916) 631-4455

Project: Taco Bell Alameda/3rd QTR '93

CLS Contact: George Hampton
Job No.: 792133
COC Log No.: 10006
CLS ID No.: M2133
Batch No.: 12041
Matrix: WATER

Date Extracted: 09/08/93
Date Analyzed: 09/09/93
Date Reported: 09/10/93

LAB CONTROL SAMPLE

Analyte	CAS No.	LCS Conc. (mg/L)	LCS Recovery (percent)
Diesel	N/A	1.0	90

LAB CONTROL SAMPLE DUPLICATE

Analyte	CAS No.	LCS Conc. (mg/L)	LCSD Recovery (percent)
Diesel	N/A	1.0	90

LCS RPD

Analyte	CAS No.	LCS Relative Percent Difference (percent)
Diesel	N/A	0



California Laboratory Services

Analysis Report: Total Petroleum Hydrocarbons, EPA Method 8015
Purge and Trap, EPA Method 5030

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.: E9171
Contact: Robert Nicholson
Phone: (916)631-4455

Project: Taco Bell Alameda/3rd QTR '93

CLS Contact: George Hampton
Job No.: 792133
COC Log No.: 10006
CLS ID No.: M2133
Batch No.: 12040
Matrix: WATER

Date Extracted: 09/08/93
Date Analyzed: 09/08/93
Date Reported: 09/09/93

METHOD BLANK

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)
TPH as Gasoline	N/A	ND	0.05

ND = Not detected at or above indicated Reporting Limit
Rep. Limit = Reporting Limit unless otherwise indicated in parentheses.



California Laboratory Services

Analysis Report: Total Oil and Grease, EPA Method 9070
Separatory Funnel, EPA Method 3510

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.: E9171
Contact: Robert Nicholson
Phone: (916) 631-4455

Project: Taco Bell Alameda/3rd QTR '93

CLS Contact: George Hampton
Job No.: 792133
COC Log No.: 10006
CLS ID No.: M2133
Batch No.: 12053
Matrix: WATER

Date Extracted: 09/09/93
Date Analyzed: 09/13/93
Date Reported: 09/14/93

METHOD BLANK

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)
Total Oil & Grease	N/A	ND	5

ND = Not detected at or above indicated Reporting Limit
Rep. Limit = Reporting Limit unless otherwise indicated in parentheses.



California Laboratory Services

Analysis Report: Total Oil and Grease, EPA Method 9070
Separatory Funnel, EPA Method 3510

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.: E9171
Contact: Robert Nicholson
Phone: (916) 631-4455

Project: Taco Bell Alameda/3rd QTR '93

CLS Contact: George Hampton
Job No.: 792133
COC Log No.: 10006
CLS ID No.: M2133
Batch No.: 12053
Matrix: WATER

Date Extracted: 09/09/93
Date Analyzed: 09/13/93
Date Reported: 09/14/93

LAB CONTROL SAMPLE

Analyte	CAS No.	LCS Conc. (mg/L)	LCS Recovery (percent)
Oil & Grease	N/A	50	95

LAB CONTROL SAMPLE DUPLICATE

Analyte	CAS No.	LCS Conc. (mg/L)	LCSD Recovery (percent)
Oil & Grease	N/A	50	97

LCS RPD

Analyte	CAS No.	LCS Relative Percent Difference (percent)
Oil & Grease	N/A	2

13166

CLIENT NAME: **LRA ENVIRONMENTAL**
 ADDRESS: **3235 Sunrise Blvd**
Rancho Cordova CA 95742
 PROJECT NAME:
 PROJECT MANAGER: **Bob Nicholson** PHONE # **631-4455**
 SAMPLED BY: **C Johnson**
 JOB DESCRIPTION:
 SITE LOCATION: **ALAMEDA CA.**

CLIENT JOB NUMBER: **E 9170**
 DESTINATION LABORATORY:
 CLC
 3249 FITZGERALD RD.
 RANCHO CORDOVA, CA
 95742
 OTHER

ANALYSIS REQUESTED

PRESERVATIVES	TPH	G/D/K																		
	total oil & grease																			
	BTEX																			

FIELD CONDITIONS:
 COMPOSITE:
 SPECIAL INSTRUCTIONS:

DATE	TIME	IDENTIFICATION	SAMPLE		CONTAINER		PRESERVATIVES	TPH	G/D/K	total oil & grease	BTEX	TURN AROUND TIME				NOTE / FIELD READINGS				
			METHOD	MATRIX	NO.	TYPE						24 HOURS	48 HOURS	1 WEEK	2 WEEKS					
12/6/93	5:30 ^{AM}	MW#1		WATER	2	Amber 1 Liter		X	X											
		" " "		" "	6	40 ml Clear Vial				X										
12/6/93	7:00 ^{AM}	MW#2		WATER	2	1 Liter Amber		X	X											
"	"	"		"	6	40 ML Clear Vial				X										
12/6/93	9:00 ^{AM}	MW#3		WATER	2	1 Liter Amber		X	X											
"	"	"		"	6	40 ML Clear Vial				X										
12/6/93	10:30 ^{AM}	MW#4		WATER	2	1 Liter Amber		X	X											
"	"	"		"	6	40 ML Clear Vial				X										

SUSPECTED CONSTITUENTS: _____ SAMPLE RETENTION TIME: _____ PRESERVATIVES: (1) HCL (2) HNO₃ (3) = GOLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	REC'D BY (SIGN)	PRINT NAME / COMPANY
<i>Charles C Johnson</i>	Charles C Johnson	12/7/93	<i>Jeff Brown</i>	JEFF BROWN
<i>Jeff Brown</i>	JEFF BROWN	12/7/93 0815		

REC'D BY LAB BY: *Lee A. Heathcote* DATE / TIME: **12/7/93 0815** CONDITIONS / COMMENTS:
 SHIPPED VIA: FED X UPS OTHER AIR BILL #

California Laboratory Services

Analysis Report: BTEX, EPA Method 602
 Purge and Trap, EPA Method 5030

Client: LRA Environmental
 3235 Sunrise Blvd. Ste. 5
 Rancho Cordova, CA 95742

Project No.: E9170
 Contact: Bob Nicholson
 Phone: (916) 631-4455

Project:

CLS Contact: George Hampton
 Job No.: 793166
 COC Log No.: 09619
 CLS ID No.: M3166
 Batch No.: 12653
 Matrix: WATER

Date Extracted: 12/07/93
 Date Analyzed: 12/07/93
 Date Reported: 12/09/93

MB SURROGATE

Analyte	CAS No.	Surr Conc. (ug/L)	MB Surrogate Recovery (percent)
o-Chlorotoluene	95-49-8	20	97

METHOD BLANK

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)
Benzene	71-43-2	ND	0.3
Toluene	108-88-3	ND	0.3
Ethylbenzene	100-41-4	ND	0.3
Xylenes, total	1330-20-7	ND	0.6

ND = Not detected at or above indicated Reporting Limit
 Rep. Limit = Reporting Limit unless otherwise indicated in parentheses.

California Laboratory Services

Analysis Report: Total Petroleum Hydrocarbons, EPA Method 8015
Separatory Funnel, EPA Method 3510

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.: E9170
Contact: Bob Nicholson
Phone: (916) 631-4455

Project:

Date Extracted: 12/07/93
Date Analyzed: 12/10/93
Date Reported: 12/16/93

CLS Contact: George Hampton
Job No.: 793166
COC Log No.: 09619
CLS ID No.: M3166
Batch No.: 12658
Matrix: WATER

METHOD BLANK

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)
TPH as Diesel	N/A	ND	0.05
TPH as Kerosene	N/A	ND	0.20

ND = Not detected at or above indicated Reporting Limit
Rep. Limit = Reporting Limit unless otherwise indicated in parentheses.

California Laboratory Services

Analysis Report: Total Petroleum Hydrocarbons, EPA Method 8015
Separatory Funnel, EPA Method 3510

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.: E9170
Contact: Bob Nicholson
Phone: (916) 631-4455

Project:

Date Extracted: 12/07/93
Date Analyzed: 12/10/93
Date Reported: 12/16/93

CLS Contact: George Hampton
Job No.: 793166
COC Log No.: 09619
CLS ID No.: M3166
Batch No.: 12658
Matrix: WATER

LAB CONTROL SAMPLE

Analyte	CAS No.	LCS Conc. (mg/L)	LCS Recovery (percent)
Diesel	N/A	1.0	72

LAB CONTROL SAMPLE DUPLICATE

Analyte	CAS No.	LCS Conc. (mg/L)	LCSD Recovery (percent)
Diesel	N/A	1.0	75

LCS RPD

Analyte	CAS No.	LCS Relative Percent Difference (percent)
Diesel	N/A	4

California Laboratory Services

Analysis Report: Total Petroleum Hydrocarbons, EPA Method 8015
Purge and Trap, EPA Method 5030

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.: E9170
Contact: Bob Nicholson
Phone: (916) 631-4455

Project:

Date Extracted: 12/07/93
Date Analyzed: 12/07/93
Date Reported: 12/09/93

CLS Contact: George Hampton
Job No.: 793166
COC Log No.: 09619
CLS ID No.: M3166
Batch No.: 12653
Matrix: WATER

METHOD BLANK

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)
TPH as Gasoline	N/A	ND	0.05

ND = Not detected at or above indicated Reporting Limit
Rep. Limit = Reporting Limit unless otherwise indicated in parentheses.

California Laboratory Services

Analysis Report: Total Petroleum Hydrocarbons, EPA Method 8015
Purge and Trap, EPA Method 5030

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.: E9170
Contact: Bob Nicholson
Phone: (916) 631-4455

Project:

Date Extracted: 12/07/93
Date Analyzed: 12/07/93
Date Reported: 12/09/93

CLS Contact: George Hampton
Job No.: 793166
COC Log No.: 09619
CLS ID No.: M3166
Batch No.: 12653
Matrix: WATER

MATRIX SPIKE

Analyte	CAS No.	MS Conc. (mg/L)	MS Recovery (percent)
Gasoline	N/A	0.5	88

MATRIX SPIKE DUPLICATE

Analyte	CAS No.	MSD Conc. (mg/L)	MSD Recovery (percent)
Gasoline	N/A	0.5	87

RELATIVE % DIFFERENCE

Analyte	CAS No.	Relative Percent Difference (percent)
Gasoline	N/A	1

California Laboratory Services

Analysis Report: Total Petroleum Hydrocarbons, EPA Method 8015
Purge and Trap, EPA Method 5030

Client: LRA Environmental
3235 Sunrise Blvd. Sta. 5
Rancho Cordova, CA 95742

Project No.: E9170
Contact: Bob Nicholson
Phone: (916) 631-4455

Project:

CLS Contact: George Hampton
Job No.: 793166
COC Log No.: 09619
CLS ID No.: M3166
Batch No.: 12653
Matrix: WATER

Date Extracted: 12/07/93
Date Analyzed: 12/07/93
Date Reported: 12/09/93

LAB CONTROL SAMPLE

Analyte	CAS No.	LCS Conc. (mg/L)	LCS Recovery (percent)
Gasoline	N/A	0.5	85

California Laboratory Services

Analysis Report: Total Oil and Grease, EPA Method 9070
Separatory Funnel, EPA Method 3510

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.: E9170
Contact: Bob Nicholson
Phone: (916) 631-4455

Project:

CLS Contact: George Hampton
Job No.: 793166
COC Log No.: 09619
CLS ID No.: M3166
Batch No.: 12717
Matrix: WATER

Date Extracted: 12/15/93
Date Analyzed: 12/17/93
Date Reported: 12/20/93

METHOD BLANK

Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)
Total Oil & Grease	N/A	ND	5

ND = Not detected at or above indicated Reporting Limit
Rep. Limit = Reporting Limit unless otherwise indicated in parentheses.

California Laboratory Services

Analysis Report: Total Oil and Grease, EPA Method 9070
Separatory Funnel, EPA Method 3510

Client: LRA Environmental
 3235 Sunrise Blvd. Ste. 5
 Rancho Cordova, CA 95742

Project No.: E9170
Contact: Bob Nicholson
Phone: (916) 631-4455

Project:

Date Extracted: 12/15/93
Date Analyzed: 12/17/93
Date Reported: 12/20/93

CLS Contact: George Hampton
Job No.: 793166
COC Log No.: 09619
CLS ID No.: M3166
Batch No.: 12717
Matrix: WATER

LAB CONTROL SAMPLE

Analyte	CAS No.	LCS Conc. (mg/L)	LCS Recovery (percent)
Total Oil & Grease	N/A	50	96

LAB CONTROL SAMPLE DUPLICATE

Analyte	CAS No.	LCS Conc. (mg/L)	LCSD Recovery (percent)
Total Oil & Grease	N/A	50	98

LCS RPD

Analyte	CAS No.	LCS Relative Percent Difference (percent)
Total Oil & Grease	N/A	2



CLIENT NAME **LRA Environmental**
 ADDRESS **3235 Sunrise Blvd**
Rancho Cordova
 PROJECT NAME **TACO BELL**
 PROJECT MANAGER **Robert Nicholson** PHONE **631-4455**
 SAMPLED BY **Charles C. Johnson**
 JOB DESCRIPTION
 SITE LOCATION

CLIENT JOB NUMBER **9170E**
 DESTINATION LABORATORY
 CLS
 3249 FITZGERALD RD.
 RANCHO CORDOVA, CA
 95742
 OTHER

ANALYSIS REQUESTED
 PRESERVATIVES
OIL & Grease

FIELD CONDITIONS:
 COMPOSITE:
 SPECIAL INSTRUCTIONS:
 TURN AROUND TIME: NOTE FIELD HEADINGS

DATE	TIME	SAMPLE IDENTIFICATION	METHOD	MATRIX	CONTAINER NO.	PRESERVE	TURN AROUND TIME					
							24 HOURS	48 HOURS	1 WEEK	2 WEEKS		
4/14		MW# 1		Water	2	Amber 1-ltr Bottle	X				X	
↓		MW# 2		Water	2	1-ltr Amber Bottle	X					
↓		MW# 3		Water	2	1-ltr Amber Bottle	X					
↓		MW# 4		Water	2	1-ltr Amber Bottle	X					

SUSPECTED CONSTITUENTS SAMPLE RETENTION TIME PRESERVATIVES (1) HCL (2) HNO3 (3) = COLD (4)

RELINQUISHED BY (SIGN) **Charles Johnson** PRINT NAME / COMPANY **Charles C Johnson** DATE / TIME **4/17/95 0825** REC'D BY (SIGN) **[Signature]**

REC'D BY LAB BY **Albert G. Roubt** DATE / TIME **4/17/95 0825** CONDITIONS / COMMENTS **COLD / INTACT**
 SHIPPED VIA FED X UPS OTHER AIR BILL #

California Laboratory Services

Analysis Report: Total Oil and Grease, EPA Method 9070
Separatory Funnel, EPA Method 3510

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.: 9170 E
Contact: Robert Nicholson
Phone: (916) 631-4455

Project: Taco Bell

Date Extracted: 04/19/95
Date Analyzed: 04/20/95
Date Reported: 04/25/95

CLS Contact: Larry Mooney
Job No.: 798468
COC Log No.: 06314
CLS ID No.: M8468
Batch No.: 15728
Matrix: WATER

METHOD BLANK

Analyte	CAS No.	Results (mg/L)	Reporting Limit (mg/L)
Total Oil & Grease	N/A	ND	5.0

ND = Not detected at or above indicated Reporting Limit

California Laboratory Services

Analysis Report: Total Oil and Grease, EPA Method 9070
 Separatory Funnel, EPA Method 3510

Client: LRA Environmental
 3235 Sunrise Blvd. Ste. 5
 Rancho Cordova, CA 95742

Project No.: 9170 E
 Contact: Robert Nicholson
 Phone: (916) 631-4455

Project: Taco Bell

CLS Contact: Larry Mooney
 Job No.: 798468
 COC Log No.: 06314
 CLS ID No.: M8468
 Batch No.: 15728
 Matrix: WATER

Date Extracted: 04/19/95
 Date Analyzed: 04/20/95
 Date Reported: 04/25/95

MATRIX SPIKE

Analyte	CAS No.	MS Conc. (mg/L)	MS Recovery (percent)
Total Oil & Grease	N/A	IS	IS

MATRIX SPIKE DUPLICATE

Analyte	CAS No.	MSD Conc. (mg/L)	MSD Recovery (percent)
Total Oil & Grease	N/A	IS	IS

RELATIVE % DIFFERENCE

Analyte	CAS No.	Relative Percent Difference (percent)
Total Oil & Grease	N/A	IS

IS = Recovery data could not be generated due to insufficient sample.
 LCS recovery data validates methodology.

California Laboratory Services

Analysis Report: Total Oil and Grease, EPA Method 9070
 Separatory Funnel, EPA Method 3510

Client: LRA Environmental
 3235 Sunrise Blvd. Ste. 5
 Rancho Cordova, CA 95742

Project No.: 9170 E
 Contact: Robert Nicholson
 Phone: (916) 631-4455

Project: Taco Bell

CLS Contact: Larry Mooney
 Job No.: 798468
 COC Log No.: 06314
 CLS ID No.: M8468
 Batch No.: 15728
 Matrix: WATER

Date Extracted: 04/19/95
 Date Analyzed: 04/20/95
 Date Reported: 04/25/95

LAB CONTROL SAMPLE

Analyte	CAS No.	LCS Conc. (mg/L)	LCS Recovery (percent)
Oil and Grease	6325	51.2	98

LAB CONTROL SAMPLE DUPLICATE

Analyte	CAS No.	LCS Conc. (mg/L)	LCSD Recovery (percent)
Oil and Grease	6325	51.0	95

LCS RPD

Analyte	CAS No.	LCS Relative Percent Difference (percent)
Oil and Grease	6325	3



LRA ENVIRONMENTAL

3235 SUNRISE BOULEVARD, SUITE 5
RANCHO CORDOVA, CA 95742
PHONE 916/631-4455

FAX 916/631-4466

**CLOSURE REPORT
TACO BELL
VOLUME III
1900 WEBSTER STREET
ALAMEDA, ALAMEDA COUNTY, CALIFORNIA**

PREPARED BY:

**LRA ENVIRONMENTAL
3235 SUNRISE BOULEVARD, SUITE 5
RANCHO CORDOVA, CALIFORNIA 95742
(916) 631-4455**

**DECEMBER 20, 1995
JOB NUMBER E9170**

APPENDIX E (CONTINUED)

Analytical Data

- o 19 December 1991 Analytical Report
- o 21 January 1992 Analytical Report
- o 3 June 1992 Analytical Report
- o 15 June 1992 Analytical Report
- o 13 July 1992 Analytical Report
- o 4 January 1993 Analytical Report
- o 19 January 1993 Analytical Report
- o 1 September 1993 Analytical Report
- o 6 December 1993 Analytical Report
- o 14 April 1995 Analytical Report



MATRIX
ENVIRONMENTAL LABORATORIES INC

LRA Environmental
1805 Tribute Road
Suite B
Sacramento, Ca 95815

01-08-92

Attn: Bob Nicholson

Re: Project: Toco Bell
Lab Reference No.: 3116
Date Samples Received: 12/22/91
No. Samples Received: 04

The samples were received by Matrix Environmental Laboratories intact and in good condition. Samples conformed to required sampling protocols for the requested analyses and were accompanied by required documentation.

Please call if we can be of further assistance.

Sincerely,

LA Mooney
Larry A. Mooney, PhD
Laboratory Director

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 12/27/91

Date of Analysis: 12/31/91

Sample ID: E9170-E1-3-II

Lab ID: 914506

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell

CT ID: 3116

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
GASOLINE	ND	1

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

CONTACT: Bob Nicholson

Date Samples Received: 12/27/91

PROJECT: Taco Bell

Date of Analysis: 12/31/91

CT ID: 3116

Sample ID: E9170-E2-2-II

Lab ID: 914507

Matrix: SOIL

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
GASOLINE	ND	1

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 12/27/91

Date of Analysis: 12/31/91

Sample ID: E9170-E4-1-II

Lab ID: 914508

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell

CT ID: 3116

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
GASOLINE	8,000.	20

NOTE:

(ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

This sample was diluted to a 1: 20 ratio and the reporting limits adjusted accordingly

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 12/27/91

Date of Analysis: 12/31/91

Sample ID: E9170-E6-1-I

Lab ID: 914509

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell

CT ID: 3116

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/Kg	REPORTING LIMIT
	(ppm)	mg/Kg (ppm)
GASOLINE	110.	5

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

This sample was diluted to a 1: 5 ratio and the reporting limits adjusted accordingly

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA

Date Samples Received: 12/22/91

Date of Analysis: 01/08/92

Sample ID: E9170-E1-3-II

Lab ID: 914506

Matrix: SOIL

CONTACT: Bob Nicholson

P.O. No: Toco Bell

CT ID: 3116

ANALYSIS: ORGANIC LEAD

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT	Method
		mg/Kg (ppm)	
ORGANIC LEAD	ND	0.1	DOHS

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA

Date Samples Received: 12/22/91

Date of Analysis: 01/08/92

Sample ID: E9170-E2-2-II

Lab ID: 914507

Matrix: SOIL

CONTACT: Bob Nicholson

P.O. No: Toco Bell

CT ID: 3116

ANALYSIS: ORGANIC LEAD

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)	Method
ORGANIC LEAD	ND	0.1	DOHS

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA

Date Samples Received: 12/22/91

Date of Analysis: 01/08/92

Sample ID: E9170-E4-1-II

Lab ID: 914508

Matrix: SOIL

CONTACT: Bob Nicholson

P.O. No: Toco Bell

CT ID: 3116

ANALYSIS: ORGANIC LEAD

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)	Method
ORGANIC LEAD	ND	0.1	DOHS

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS REPORT

CLIENT: LRA

Date Samples Received: 12/22/91

Date of Analysis: 01/08/92

Sample ID: E9170-E6-1-II

Lab ID: 914509

Matrix: SOIL

CONTACT: Bob Nicholson

P.O. No: Toco Bell

CT ID: 3116

ANALYSIS: ORGANIC LEAD

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT	Method
		mg/Kg (ppm)	
ORGANIC LEAD	ND	0.1	DOHS

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 12/27/91

Date of Analysis: 12/31/91

Sample ID: E9170-E1-3-II

Lab ID: 914506

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell

CT ID: 3116

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
BENZENE	ND	0.005
TOLUENE	ND	0.005
ETHYLBENZENE	ND	0.005
XYLENES	ND	0.015
SURROGATE RECOVERY		ACCEPTABLE RANGE
	97.40	70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 12/27/91

Date of Analysis: 12/31/91

Sample ID: E9170-E2-2-II

Lab ID: 914507

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell

CT ID: 3116

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
BENZENE	ND	0.005
TOLUENE	ND	0.005
ETHYLBENZENE	ND	0.005
XYLENES	ND	0.015
SURROGATE RECOVERY		ACCEPTABLE RANGE
	98.37	70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 12/27/91

Date of Analysis: 12/31/91

Sample ID: E9170-E4-1-II

Lab ID: 914508

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell

CT ID: 3116

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
BENZENE	8.2	0.1
TOLUENE	200.	0.1
ETHYLBENZENE	110.	0.1
XYLENES	760.	0.3
SURROGATE RECOVERY		ACCEPTABLE RANGE
	126.78	70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

This sample was diluted to a 1: 20 ratio and the reporting limits adjusted accordingly

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 12/27/91

Date of Analysis: 12/31/91

Sample ID: E9170-E6-1-I

Lab ID: 914509

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell

CT ID: 3116

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
BENZENE	ND	0.025
TOLUENE	3.8	0.025
ETHYLBENZENE	2.2	0.025
XYLENES	22.	0.075
SURROGATE RECOVERY	95.34	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

This sample was diluted to a 1: 5 ratio and the reporting limits adjusted accordingly



MATRIX
ENVIRONMENTAL LABORATORIES INC.

LRA Environmental
3235 Sunrise Boulevard
Suite E
Rancho Cordova, Ca 95742

02-05-92


Attn: Bob Nicholson

Re: Project: Taco Bell Alameda, E9170
Lab Reference No.: 3149
Date Samples Received: 1/22/92
No. Samples Received: 34

The samples were received by Matrix Environmental Laboratories intact and in good condition. Samples conformed to required sampling protocols for the requested analyses and were accompanied by required documentation.

Please call if we can be of further assistance.

Sincerely,


Larry A. Mooney, PhD
Laboratory Director

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 02/03/92

Sample ID: U14-A

Lab ID: 920170

Matrix: WATER

CONTACT: Bob Nicholson

P.O. No: Taco Bell E9170

CT ID: 3149

ANALYSIS: TPH, EPA 8015

COMPOUND	mg/L (ppm)	REPORTING LIMIT
		mg/L (ppm)
KEROSINE	2.	.5
DIESEL	ND	.5

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 02/03/92

Sample ID: U15-A

Lab ID: 920171

Matrix: WATER

CONTACT: Bob Nicholson

P.O. No: Taco Bell E9170

CT ID: 3149

ANALYSIS: TPH, EPA 8015

COMPOUND	mg/L (ppm)	REPORTING LIMIT
		mg/L (ppm)
KEROSINE	ND	.5
DIESEL	ND	.5

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 02/03/92

Sample ID: U16-A

Lab ID: 920172

Matrix: WATER

CONTACT: Bob Nicholson

P.O. No: Taco Bell E9170

CT ID: 3149

ANALYSIS: TPH, EPA 8015

COMPOUND	mg/L (ppm)	REPORTING LIMIT mg/L (ppm)
KEROSINE	ND	.5
DIESEL	ND	.5

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 02/03/92

Sample ID: U17-A

Lab ID: 920173

Matrix: WATER

CONTACT: Bob Nicholson

P.O. No: Taco Bell E9170

CT ID: 3149

ANALYSIS: TPH, EPA 8015

COMPOUND	mg/L (ppm)	REPORTING LIMIT mg/L (ppm)
KEROSINE	ND	.5
DIESEL	ND	.5

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/29/92

Sample ID: U14-A

Lab ID: 920170

Matrix: WATER

CONTACT: Bob Nicholson

P.O. No: Taco Bell

CT ID: 3149

ANALYSIS: METALS - LEAD TTLC

COMPOUND	mg/L (ppm)	REPORTING LIMIT	Method
		mg/L (ppm)	
LEAD	ND	0.5	7420

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92
Date of Analysis: 01/29/92

Sample ID: U15-A
Lab ID: 920171
Matrix: WATER

CONTACT: Bob Nicholson
P.O. No: Taco Bell
CT ID: 3149

ANALYSIS: METALS - LEAD TTLC

COMPOUND	mg/L (ppm)	REPORTING LIMIT	Method
		mg/L (ppm)	
LEAD	ND	0.5	7420

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/29/92

Sample ID: U16-A

Lab ID: 920172

Matrix: WATER

CONTACT: Bob Nicholson

P.O. No: Taco Bell

CT ID: 3149

ANALYSIS: METALS - LEAD TTLC

COMPOUND	mg/L (ppm)	REPORTING LIMIT mg/L (ppm)	Method
LEAD	ND	0.5	7420

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/29/92

Sample ID: U17-A

Lab ID: 920173

Matrix: WATER

CONTACT: Bob Nicholson

P.O. No: Taco Bell

CT ID: 3149

ANALYSIS: METALS - LEAD TTLC

COMPOUND	mg/L (ppm)	REPORTING LIMIT	Method
		mg/L (ppm)	
LEAD	ND	0.5	7420

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/29/92

Sample ID: U14-A

Lab ID: 920170

Matrix: WATER

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS REPORT: TOTAL RECOVERABLE HYDROCARBONS, 418.1

COMPOUND	(mg/L) (ppm)	REPORTING LIMIT (ppm)
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TRPH	3.	0.5
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NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental
Date Samples Received: 1/22/92
Date of Analysis: 01/29/92
Sample ID: U15-A
Lab ID: 920171
Matrix: WATER

CONTACT: Bob Nicholson
PROJECT: Taco Bell Alameda
CT ID: 3149

ANALYSIS REPORT: TOTAL RECOVERABLE HYDROCARBONS, 418.1

COMPOUND	(mg/L) (ppm)	REPORTING LIMIT (ppm)
TRPH	ND	0.5

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/29/92

Sample ID: U16-A

Lab ID: 920172

Matrix: WATER

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS REPORT: TOTAL RECOVERABLE HYDROCARBONS, 418.1

COMPOUND	(mg/L) (ppm)	REPORTING LIMIT (ppm)
TRPH	18.	0.5

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/29/92

Sample ID: U17-A

Lab ID: 920173

Matrix: WATER

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS REPORT: TOTAL RECOVERABLE HYDROCARBONS, 418.1

COMPOUND	(mg/L) (ppm)	REPORTING LIMIT (ppm)
TRPH	ND	0.5

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92
Date of Analysis: 01/22/92
Sample ID: U14-B-D
Lab ID: 920174
Matrix: WATER

CONTACT: Bob Nicholson
PROJECT: Taco Bell Alameda
CT ID: 3149

ANALYSIS: BTEX EPA 602

COMPOUND	ug/L (ppb)	REPORTING LIMIT (ppb)
BENZENE	33.	1.5
TOLUENE	910.	1.5
ETHYLBENZENE	670.	1.5
XYLENES	4,300.	4.5
SURROGATE RECOVERY		ACCEPTABLE RANGE
	118.91	70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

This sample was diluted to a 1: 5 ratio and the reporting limits adjusted accordingly

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/22/92

Sample ID: U15-B-D

Lab ID: 920180

Matrix: WATER

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS: BTEX EPA 602

COMPOUND	ug/L (ppb)	REPORTING LIMIT (ppb)
BENZENE	ND	0.3
TOLUENE	ND	0.3
ETHYLBENZENE	ND	0.3
XYLENES	ND	0.9
SURROGATE RECOVERY		ACCEPTABLE RANGE
	99.38	70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/22/92

Sample ID: U16-B-D

Lab ID: 920187

Matrix: WATER

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS: BTEX EPA 602

COMPOUND	ug/L (ppb)	REPORTING LIMIT (ppb)
BENZENE	ND	0.3
TOLUENE	ND	0.3
ETHYLBENZENE	ND	0.3
XYLENES	ND	0.9

SURROGATE RECOVERY

ACCEPTABLE RANGE

100.34

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/22/92

Sample ID: U17-B-D

Lab ID: 920192

Matrix: WATER

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS: BTEX EPA 602

COMPOUND	ug/L (ppb)	REPORTING LIMIT (ppb)
BENZENE	ND	0.3
TOLUENE	ND	0.3
ETHYLBENZENE	ND	0.3
XYLENES	ND	0.9

SURROGATE RECOVERY

ACCEPTABLE RANGE

101.24

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92
Date of Analysis: 01/22/92

Sample ID: U14-B-D

Lab ID: 920174

Matrix: WATER

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/L (ppm)	REPORTING LIMIT mg/L (ppm)
GASOLINE	26.	0.25

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

This sample was diluted to a 1: 5 ratio and the reporting limits adjusted accordingly

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92
Date of Analysis: 01/22/92
Sample ID: U15-B-D
Lab ID: 920180
Matrix: WATER

CONTACT: Bob Nicholson
PROJECT: Taco Bell Alameda
CT ID: 3149

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/L (ppm)	REPORTING LIMIT mg/L (ppm)
GASOLINE	ND	0.05

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/22/92

Sample ID: U16-B-D

Lab ID: 920187

Matrix: WATER

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/L (ppm)	REPORTING LIMIT
		mg/L (ppm)
GASOLINE	ND	0.05

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92
Date of Analysis: 01/22/92
Sample ID: U17-B-D
Lab ID: 920192
Matrix: WATER

CONTACT: Bob Nicholson
PROJECT: Taco Bell Alameda
CT ID: 3149

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/L (ppm)	REPORTING LIMIT mg/L (ppm)
GASOLINE	ND	0.05

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 02/03/92

Sample ID: U14-1-I

Lab ID: 920198

Matrix: SOIL

CONTACT: Bob Nicholson

P.O. No: Taco Bell E9170

CT ID: 3149

ANALYSIS: TPH, EPA 8015

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
KEROSINE	ND	1.
DIESEL	ND	1.

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 02/03/92

Sample ID: U15-1-I

Lab ID: 920199

Matrix: SOIL

CONTACT: Bob Nicholson

P.O. No: Taco Bell E9170

CT ID: 3149

ANALYSIS: TPH, EPA 8015

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT
		mg/Kg (ppm)
KEROSINE	ND	1.
DIESEL	ND	1.

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 02/03/92

Sample ID: U16-1-I

Lab ID: 920200

Matrix: SOIL

CONTACT: Bob Nicholson

P.O. No: Taco Bell E9170

CT ID: 3149

ANALYSIS: TPH, EPA 8015

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT
		mg/Kg (ppm)
KEROSINE	ND	1.
DIESEL	ND	1.

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 02/03/92

Sample ID: U17-1-I

Lab ID: 920201

Matrix: SOIL

CONTACT: Bob Nicholson

P.O. No: Taco Bell E9170

CT ID: 3149

ANALYSIS: TPH, EPA 8015

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
KEROSINE	ND	1.
DIESEL	ND	1.

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 02/03/92

Sample ID: U18-1-I

Lab ID: 920202

Matrix: SOIL

CONTACT: Bob Nicholson

P.O. No: Taco Bell E9170

CT ID: 3149

ANALYSIS: TPH, EPA 8015

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT
		mg/Kg (ppm)
KEROSINE	ND	1.
DIESEL	ND	1.

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 02/03/92

Sample ID: U18-2-I

Lab ID: 920203

Matrix: SOIL

CONTACT: Bob Nicholson

P.O. No: Taco Bell E9170

CT ID: 3149

ANALYSIS: TPH, EPA 8015

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT
		mg/Kg (ppm)
KEROSINE	ND	1.
DIESEL	ND	1.

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/29/92

Sample ID: U14-1-I

Lab ID: 920198

Matrix: SOIL

CONTACT: Bob Nicholson

Project Taco Bell

CT ID: 3149

ANALYSIS: METALS - LEAD STLC

COMPOUND	mg/L (ppm)	REPORTING LIMIT mg/L (ppm)	Method
LEAD	ND	0.05	7420

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/29/92

Sample ID: U15-1-I

Lab ID: 920199

Matrix: SOIL

CONTACT: Bob Nicholson

Project Taco Bell

CT ID: 3149

ANALYSIS: METALS - LEAD STLC

COMPOUND	mg/L (ppm)	REPORTING LIMIT	Method
		mg/L (ppm)	
LEAD	ND	0.05	7420

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92
Date of Analysis: 01/29/92
Sample ID: U16-1-I
Lab ID: 920200
Matrix: SOIL

CONTACT: Bob Nicholson
Project Taco Bell
CT ID: 3149

ANALYSIS: METALS - LEAD STLC

COMPOUND	mg/L (ppm)	REPORTING LIMIT	Method
		mg/L (ppm)	
LEAD	ND	0.05	7420

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/29/92

Sample ID: U17-1-I

Lab ID: 920201

Matrix: SOIL

CONTACT: Bob Nicholson

Project Taco Bell

CT ID: 3149

ANALYSIS: METALS - LEAD STLC

COMPOUND	mg/L (ppm)	REPORTING LIMIT	Method
		mg/L (ppm)	
LEAD	ND	0.05	7420

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/29/92

Sample ID: U18-1-I

Lab ID: 920202

Matrix: SOIL

CONTACT: Bob Nicholson

Project Taco Bell

CT ID: 3149

ANALYSIS: METALS - LEAD STLC

COMPOUND	mg/L (ppm)	REPORTING LIMIT	Method
		mg/L (ppm)	
LEAD	ND	0.05	7420

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92
Date of Analysis: 01/29/92
Sample ID: U18-2-I
Lab ID: 920203
Matrix: SOIL

CONTACT: Bob Nicholson
Project Taco Bell
CT ID: 3149

ANALYSIS: METALS - LEAD STLC

COMPOUND	mg/L (ppm)	REPORTING LIMIT	Method
		mg/L (ppm)	
LEAD	ND	0.05	7420

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/29/92

Sample ID: U14-1-I

Lab ID: 920198

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS REPORT: TOTAL RECOVERABLE HYDROCARBONS, 418.1

COMPOUND	(mg/Kg) (ppm)	REPORTING LIMIT (ppm)
TRPH	140.	50

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/29/92

Sample ID: U15-1-I

Lab ID: 920199

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS REPORT: TOTAL RECOVERABLE HYDROCARBONS, 418.1

COMPOUND	(mg/Kg) (ppm)	REPORTING LIMIT (ppm)
TRPH	ND	50

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/29/92

Sample ID: U16-1-I

Lab ID: 920200

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS REPORT: TOTAL RECOVERABLE HYDROCARBONS, 418.1

COMPOUND	(mg/Kg) (ppm)	REPORTING LIMIT (ppm)
TRPH	ND	50

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/29/92

Sample ID: U17-1-I

Lab ID: 920201

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS REPORT: TOTAL RECOVERABLE HYDROCARBONS, 418.1

COMPOUND	(mg/Kg) (ppm)	REPORTING LIMIT (ppm)
TRPH	ND	50

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/29/92

Sample ID: U18-1-I

Lab ID: 920202

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS REPORT: TOTAL RECOVERABLE HYDROCARBONS, 418.1

COMPOUND	(mg/Kg) (ppm)	REPORTING LIMIT (ppm)
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TRPH	ND	50
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NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/29/92

Sample ID: U18-2-I

Lab ID: 920203

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS REPORT: TOTAL RECOVERABLE HYDROCARBONS, 418.1

COMPOUND	(mg/Kg) (ppm)	REPORTING LIMIT (ppm)
TRPH	ND	50

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/24/92

Sample ID: U14-1-I

Lab ID: 920198

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
BENZENE	ND	0.005
TOLUENE	ND	0.005
ETHYLBENZENE	ND	0.005
XYLENES	ND	0.015

SURROGATE RECOVERY

ACCEPTABLE RANGE

94.12

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/24/92

Sample ID: U15-1-I

Lab ID: 920199

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
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BENZENE	ND	0.005
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TOLUENE	ND	0.005
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ETHYLBENZENE	ND	0.005
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XYLENES	ND	0.015
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SURROGATE RECOVERY

ACCEPTABLE RANGE

96.68

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/24/92

Sample ID: U16-1-I

Lab ID: 920200

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
BENZENE	ND	0.005
TOLUENE	ND	0.005
ETHYLBENZENE	ND	0.005
XYLENES	ND	0.015

SURROGATE RECOVERY

ACCEPTABLE RANGE

92.42

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/24/92

Sample ID: U17-1-I

Lab ID: 920201

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
BENZENE	ND	0.005
TOLUENE	ND	0.005
ETHYLBENZENE	ND	0.005
XYLENES	ND	0.015
SURROGATE RECOVERY		ACCEPTABLE RANGE
	93.10	70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/24/92

Sample ID: U18-1-I

Lab ID: 920202

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
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BENZENE	ND	0.005
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TOLUENE	ND	0.005
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ETHYLBENZENE	ND	0.005
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XYLENES	ND	0.015
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SURROGATE RECOVERY

ACCEPTABLE RANGE

94.23

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/24/92

Sample ID: U18-2-I

Lab ID: 920203

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
BENZENE	ND	0.005
TOLUENE	ND	0.005
ETHYLBENZENE	ND	0.005
XYLENES	ND	0.015

SURROGATE RECOVERY

ACCEPTABLE RANGE

93.59

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental
Date Samples Received: 1/22/92
Date of Analysis: 01/24/92
Sample ID: U14-1-I
Lab ID: 920198
Matrix: SOIL

CONTACT: Bob Nicholson
PROJECT: Taco Bell Alameda
CT ID: 3149

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
GASOLINE	ND	1

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/24/92

Sample ID: U15-1-I

Lab ID: 920199

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
GASOLINE	ND	1

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/24/92

Sample ID: U16-1-I

Lab ID: 920200

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
GASOLINE	ND	1

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/24/92

Sample ID: U17-1-I

Lab ID: 920201

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
GASOLINE	ND	1

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental
Date Samples Received: 1/22/92
Date of Analysis: 01/24/92
Sample ID: U18-1-I
Lab ID: 920202
Matrix: SOIL

CONTACT: Bob Nicholson
PROJECT: Taco Bell Alameda
CT ID: 3149

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
GASOLINE	ND	1

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 1/22/92

Date of Analysis: 01/24/92

Sample ID: U18-2-I

Lab ID: 920203

Matrix: SOIL

CONTACT: Bob Nicholson

PROJECT: Taco Bell Alameda

CT ID: 3149

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
GASOLINE	ND	1

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.



MATRIX

ENVIRONMENTAL LABORATORIES INC.

LRA Environmental
3235 Sunrise Boulevard
Suite E
Rancho Cordova, Ca 95742

06-04-92


Attn: Mike Miles

Re: Project: Taco Bell-Alameda
Lab Reference No.: 3337
Date Samples Received: 06-03-92
No. Samples Received: 12

The samples were received by Matrix Environmental Laboratories intact and in good condition. Samples conformed to required sampling protocols for the requested analyses and were accompanied by required documentation.

Please call if we can be of further assistance.

Sincerely,


Larry A. Mooney, PhD
Laboratory Director

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 6/3/92

Date of Analysis: 06/03/92

Sample ID: #1

Lab ID: 921648

Matrix: SOIL

CONTACT: M. Miles

PROJECT: Taco Bell-Alameda

CT ID: 3337

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
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BENZENE	ND	0.005
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TOLUENE	ND	0.005
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ETHYLBENZENE	ND	0.005
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XYLENES	ND	0.015
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SURROGATE RECOVERY

ACCEPTABLE RANGE

96.36

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 6/3/92

Date of Analysis: 06/03/92

Sample ID: #2

Lab ID: 921649

Matrix: SOIL

CONTACT: M. Miles

PROJECT: Taco Bell-Alameda

CT ID: 3337

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
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BENZENE	ND	0.005
---------	----	-------

TOLUENE	ND	0.005
---------	----	-------

ETHYLBENZENE	ND	0.005
--------------	----	-------

XYLENES	ND	0.015
---------	----	-------

SURROGATE RECOVERY

ACCEPTABLE RANGE

91.72

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 6/3/92

Date of Analysis: 06/03/92

Sample ID: #3

Lab ID: 921650

Matrix: SOIL

CONTACT: M. Miles

PROJECT: Taco Bell-Alameda

CT ID: 3337

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
BENZENE	ND	0.005
TOLUENE	ND	0.005
ETHYLBENZENE	ND	0.005
XYLENES	ND	0.015
SURROGATE RECOVERY		ACCEPTABLE RANGE
	89.87	70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 6/3/92
Date of Analysis: 06/03/92
Sample ID: #4
Lab ID: 921651
Matrix: SOIL

CONTACT: M. Miles
PROJECT: Taco Bell-Alameda
CT ID: 3337

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
BENZENE	ND	0.005
TOLUENE	ND	0.005
ETHYLBENZENE	ND	0.005
XYLENES	ND	0.015
SURROGATE RECOVERY		ACCEPTABLE RANGE
	94.53	70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 6/3/92

Date of Analysis: 06/03/92

Sample ID: #5

Lab ID: 921652

Matrix: SOIL

CONTACT: M. Miles

PROJECT: Taco Bell-Alameda

CT ID: 3337

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
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BENZENE	ND	0.005
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TOLUENE	ND	0.005
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ETHYLBENZENE	ND	0.005
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XYLENES	ND	0.015
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SURROGATE RECOVERY

ACCEPTABLE RANGE

86.71

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 6/3/92

Date of Analysis: 06/03/92

Sample ID: #6

Lab ID: 921653

Matrix: SOIL

CONTACT: M. Miles

PROJECT: Taco Bell-Alameda

CT ID: 3337

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
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BENZENE	ND	0.005
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TOLUENE	ND	0.005
---------	----	-------

ETHYLBENZENE	ND	0.005
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XYLENES	ND	0.015
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SURROGATE RECOVERY

ACCEPTABLE RANGE

93.47

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 6/3/92

Date of Analysis: 06/03/92

Sample ID: #7

Lab ID: 921654

Matrix: SOIL

CONTACT: M. Miles

PROJECT: Taco Bell-Alameda

CT ID: 3337

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
BENZENE	ND	0.005
TOLUENE	ND	0.005
ETHYLBENZENE	ND	0.005
XYLENES	ND	0.015

SURROGATE RECOVERY

ACCEPTABLE RANGE

87.69

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 6/3/92

Date of Analysis: 06/03/92

Sample ID: #8

Lab ID: 921655

Matrix: SOIL

CONTACT: M. Miles

PROJECT: Taco Bell-Alameda

CT ID: 3337

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
BENZENE	ND	0.005
TOLUENE	ND	0.005
ETHYLBENZENE	ND	0.005
XYLENES	ND	0.015

SURROGATE RECOVERY

ACCEPTABLE RANGE

84.51

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 6/3/92

Date of Analysis: 06/03/92

Sample ID: #9

Lab ID: 921657

Matrix: WATER

CONTACT: M. Miles

PROJECT: Taco Bell-Alameda

CT ID: 3337

ANALYSIS: BTEX EPA 602

COMPOUND	ug/L (ppb)	REPORTING LIMIT (ppb)
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BENZENE	29.	1.5
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TOLUENE	130.	1.5
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ETHYLBENZENE	ND	1.5
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XYLENES	2,800.	4.5
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SURROGATE RECOVERY

ACCEPTABLE RANGE

81.99

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

This sample was diluted to a 1: 5 ratio and the reporting limits adjusted accordingly

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 6/3/92

Date of Analysis: 06/03/92

Sample ID: #12

Lab ID: 921659

Matrix: WATER

CONTACT: M. Miles

PROJECT: Taco Bell-Alameda

CT ID: 3337

ANALYSIS: BTEX EPA 602

COMPOUND	ug/L (ppb)	REPORTING LIMIT (ppb)
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BENZENE	16.	1.5
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TOLUENE	400.	1.5
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ETHYLBENZENE	200.	1.5
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XYLENES	2,300.	4.5
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SURROGATE RECOVERY

ACCEPTABLE RANGE

81.91

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

This sample was diluted to a 1: 5 ratio and the reporting limits adjusted accordingly

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 6/3/92

Date of Analysis: 06/03/92

Sample ID: #1

Lab ID: 921648

Matrix: SOIL

CONTACT: M. Miles

PROJECT: Taco Bell-Alameda

CT ID: 3337

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
GASOLINE	ND	1
SURROGATE RECOVERY	112.79	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 6/3/92

Date of Analysis: 06/03/92

Sample ID: #2

Lab ID: 921649

Matrix: SOIL

CONTACT: M. Miles

PROJECT: Taco Bell-Alameda

CT ID: 3337

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
GASOLINE	ND	1
SURROGATE RECOVERY	100.47	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 6/3/92

Date of Analysis: 06/03/92

Sample ID: #3

Lab ID: 921650

Matrix: SOIL

CONTACT: M. Miles

PROJECT: Taco Bell-Alameda

CT ID: 3337

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
GASOLINE	ND	1
SURROGATE RECOVERY	110.78	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 6/3/92

Date of Analysis: 06/03/92

Sample ID: #4

Lab ID: 921651

Matrix: SOIL

CONTACT: M. Miles

PROJECT: Taco Bell-Alameda

CT ID: 3337

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
GASOLINE	ND	1
SURROGATE RECOVERY	105.13	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 6/3/92
Date of Analysis: 06/03/92

Sample ID: #5
Lab ID: 921652
Matrix: SOIL

CONTACT: M. Miles

PROJECT: Taco Bell-Alameda
CT ID: 3337

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
GASOLINE	ND	1
SURROGATE RECOVERY	111.79	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 6/3/92

Date of Analysis: 06/03/92

Sample ID: #6

Lab ID: 921653

Matrix: SOIL

CONTACT: M. Miles

PROJECT: Taco Bell-Alameda

CT ID: 3337

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
GASOLINE	ND	1
SURROGATE RECOVERY	81.56	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 6/3/92

Date of Analysis: 06/03/92

Sample ID: #7

Lab ID: 921654

Matrix: SOIL

CONTACT: M. Miles

PROJECT: Taco Bell-Alameda

CT ID: 3337

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
GASOLINE	ND	1
SURROGATE RECOVERY	110.31	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 6/3/92

Date of Analysis: 06/03/92

Sample ID: #8

Lab ID: 921655

Matrix: SOIL

CONTACT: M. Miles

PROJECT: Taco Bell-Alameda

CT ID: 3337

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
GASOLINE	ND	1
SURROGATE RECOVERY	106.31	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 6/3/92

Date of Analysis: 06/03/92

Sample ID: #9

Lab ID: 921657

Matrix: WATER

CONTACT: M. Miles

PROJECT: Taco Bell-Alameda

CT ID: 3337

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/L (ppm)	REPORTING LIMIT mg/L (ppm)
GASOLINE	29.	0.25
SURROGATE RECOVERY	75.43	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

This sample was diluted to a 1: 5 ratio and the reporting limits adjusted accordingly

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 6/3/92

Date of Analysis: 06/03/92

Sample ID: #12

Lab ID: 921659

Matrix: WATER

CONTACT: M. Miles

PROJECT: Taco Bell-Alameda

CT ID: 3337

ANALYSIS: TFH, EPA 5030

COMPOUND	mg/L (ppm)	REPORTING LIMIT mg/L (ppm)
GASOLINE	21.	0.25
SURROGATE RECOVERY	101.89	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

This sample was diluted to a 1: 5 ratio and the reporting limits adjusted accordingly

AMERICAN
ENVIRONMENTAL LABORATORIES CORP.

LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

06/23/92

Attention: Mike Miles

Reference: Analytical Results

Project Name: Taco Bell- Alameda
Project No.:
Date Received: 06/16/92
Chain Of Custody: 27285

AELC ID No.: L9119
AELC Job No.: 799119

The following analyses were performed on the above referenced project:

<u>No. of Samples</u>	<u>Turnaround Time</u>	<u>Analysis Description</u>
1	7 Days	Total Sulfide
1	7 Days	Flash Point
3	7 Days	BTEX by Modified EPA 8020
1	7 Days	Total Cyanide, EPA Method 9010
1	7 Days	pH measurement, electrometric

These samples were received by American Environmental Laboratories in a chilled, intact state and accompanied by a valid chain of custody document.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,


George Hampton
Laboratory Director

AMERICAN

ENVIRONMENTAL LABORATORIES CORP.

CA DOHS ELAP Accreditation/Registration Number 1233

Analysis Report: BTEX, Soluble, Toxicity Characterization Leaching Procedure
EPA Methods 1311 / 5030 / 8020

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.:
Contact: Mike Miles
Phone: (916)631-4455

Project: Taco Bell- Alameda

AELC Contact: Mark Smith
Job No.: 799119
COC Log No.: 27285
AELC ID No.: L9119
Batch No.: 9425
Matrix: TCLEACHATE

Date Sampled: 06/15/92
Date Received: 06/16/92
Date Extracted: 06/18/92
Date Analyzed: 06/19/92
Date Reported: 06/23/92

SURROGATE RECOVERY

Client	Sample I.D. AELC	o-Chlorotoluene CAS No. 95-49-8 (percent)
S.W. #1 ZHLeachate	1B	102
Center #2 ZHLeachate	2B	114
NE #3 ZHLeachate	3B	104
Surr Conc. (ug/L)		20

ANALYTE

Client	Sample I.D. AELC	Benzene 71-43-2 (ug/L)	Toluene 108-88-3 (ug/L)	Ethylbenzene 100-41-4 (ug/L)	Xylenes, total 1330-20-7 (ug/L)
S.W. #1 ZHLeachate	1B	ND	1.3	0.9	45
Center #2 ZHLeachate	2B	0.9	5.6	5.8	40
NE #3 ZHLeachate	3B	ND	1.1	0.5	5.5
Rep. Limit		0.5	0.5	0.5	1.0

ND - Not detected at or above indicated Reporting Limit
Rep. Limit - Reporting Limit unless otherwise indicated in parentheses.

AMERICAN

ENVIRONMENTAL LABORATORIES CORP.

CA DOHS ELAP Accreditation/Registration Number 1233

Analysis Report: Sulfide, Standard Method 9030

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.:
Contact: Mike Miles
Phone: (916)631-4455

Project: Taco Bell- Alameda

AELC Contact: Mark Smith
Job No.: 799119
COC Log No.: 27285
AELC ID No.: L9119
Batch No.: 54053
Matrix: SOIL

Date Sampled: 06/15/92
Date Received: 06/16/92
Date Prepared: N/A
Date Analyzed: 06/22/92
Date Reported: 06/23/92

ANALYTE

Client	Sample I.D. AELC	Sulfide (mg/kg)
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NW. #4	4A	ND
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Rep. Limit 25

ND - Not detected at or above indicated Reporting Limit
Rep. Limit - Reporting Limit unless otherwise indicated in parentheses.

AMERICAN

ENVIRONMENTAL LABORATORIES CORP.

CA DOHS ELAP Accreditation/Registration Number 1233

Analysis Report: Flash Point by Pensky-Martens Closed Cup, EPA Method 1010

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.:
Contact: Mike Miles
Phone: (916)631-4455

Project: Taco Bell- Alameda

AELC Contact: Mark Smith
Job No.: 799119
COC Log No.: 27285
AELC ID No.: L9119
Batch No.: 54078
Matrix: SOIL

Date Sampled: 06/15/92
Date Received: 06/16/92
Date Prepared: N/A
Date Analyzed: 06/22/92
Date Reported: 06/23/92

MEASUREMENT

Client	Sample I.D. AELC	Flash Point (Degrees F)
NW. #4	4A	>140

AMERICAN

ENVIRONMENTAL LABORATORIES CORP.

CA DOHS ELAP Accreditation/Registration Number 1233

Analysis Report: Total Cyanide, EPA Method 9010

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.:
Contact: Mike Miles
Phone: (916)631-4455

Project: Taco Bell- Alameda

AELC Contact: Mark Smith
Job No.: 799119
COC Log No.: 27285
AELC ID No.: L9119
Batch No.: 54069
Matrix: SOIL

Date Sampled: 06/15/92
Date Received: 06/16/92
Date Prepared: N/A
Date Analyzed: 06/19/92
Date Reported: 06/23/92

ANALYTE

Sample I.D.	Cyanide
Client AELC	CAS No. 57-12-5 (mg/kg)

NW. #4 4A ND

Rep. Limit 1.0

ND - Not detected at or above indicated Reporting Limit
Rep. Limit - Reporting Limit unless otherwise indicated in parentheses.

AMERICAN

ENVIRONMENTAL LABORATORIES CORP.

CA DOHS ELAP Accreditation/Registration Number 1233

Analysis Report: pH , EPA Method 9045

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.:
Contact: Mike Miles
Phone: (916)631-4455

Project: Taco Bell- Alameda

AELC Contact: Mark Smith
Job No.: 799119
COC Log No.: 27285
AELC ID No.: L9119
Batch No.: 54063
Matrix: SOIL

Date Sampled: 06/15/92
Date Received: 06/16/92
Date Prepared: N/A
Date Analyzed: 06/18/92
Date Reported: 06/19/92

MEASUREMENT

Client	Sample I.D. AELC	pH (Standard Units)
NW. #4	4A	8.6



MATRIX
ENVIRONMENTAL LABORATORIES INC.

LRA Environmental
3235 Sunrise Boulevard
Suite "E"
Rancho Cordova, Ca 95742

7/20/92

ATTN: Mike Miles

Re: Project: Taco Bell Alameda
Lab Reference Number: 3403
Date Samples Received: 7/14/92
No. Samples Received: 6

The samples were received by Matrix Environmental Laboratories intact and in good condition. Samples conformed to required sampling protocols for the requested analyses and were accompanied by required documentation.

Please call if we can be of further assistance.

Sincerely,

Larry A. Mooney, PhD
Laboratory Director

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 7/14/92

Date of Analysis: 07/14/92

Sample ID: West Tank 5'

Lab ID: 922280

Matrix: SOIL

CONTACT: B. Nicholson

PROJECT: Taco Bell-Alameda

CT ID: 3403

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
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BENZENE	ND	0.005
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TOLUENE	ND	0.005
---------	----	-------

ETHYLBENZENE	ND	0.005
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XYLENES	ND	0.015
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SURROGATE RECOVERY

ACCEPTABLE RANGE

97.51

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 7/14/92

Date of Analysis: 07/14/92

Sample ID: East Tank 5', 10'

Lab ID: 922281-82

Matrix: SOIL

CONTACT: B. Nicholson

PROJECT: Taco Bell-Alameda

CT ID: 3403

ANALYSIS: BTEX, EPA 8020

COMPOUND	mg/kg (ppm)	REPORTING LIMIT (ppm)
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BENZENE	0.21	0.005
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TOLUENE	ND	0.005
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ETHYLBENZENE	ND	0.005
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XYLENES	0.49	0.015
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SURROGATE RECOVERY

ACCEPTABLE RANGE

100.52

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 7/14/92

Date of Analysis: 07/14/92

Sample ID: West Tank 5'

Lab ID: 922280

Matrix: SOIL

CONTACT: B. Nicholson

PROJECT: Taco Bell-Alameda

CT ID: 3403

ANALYSIS: TPH-GASOLINE by EPA 5030 PURGE-AND-TRAP

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
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GASOLINE

ND

1

SURROGATE RECOVERY

ACCEPTABLE RANGE

94.99

70% TO 130%

NOTE:

(ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 7/14/92

Date of Analysis: 07/14/92

Sample ID: East Tank 5', 10'

Lab ID: 922281-82

Matrix: SOIL

CONTACT: B. Nicholson

PROJECT: Taco Bell-Alameda

CT ID: 3403

ANALYSIS: TPH-GASOLINE by EPA 5030 PURGE-AND-TRAP

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
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GASOLINE	33.	1
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SURROGATE RECOVERY

ACCEPTABLE RANGE

150.15

70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

NOTE: Due to matrix interference, surrogate recovery adversely effected.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 7/14/92

Date of Analysis: 07/17/92

Sample ID: West Tank 5'

Lab ID: 922280

Matrix: SOIL

CONTACT: M. Miles

P.O. No: Taco Bell Alameda

CT ID: 3403

ANALYSIS: TPH, EPA 8015

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT
		mg/Kg (ppm)
KEROSINE	ND	1.
DIESEL	4.	1.

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 7/14/92

Date of Analysis: 07/17/92

Sample ID: East Tank 5' & 10'

Lab ID: 922281 & 82

Matrix: SOIL

CONTACT: M. Miles

P.O. No: Taco Bell Alameda

CT ID: 3403

ANALYSIS: TPH, EPA 8015

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT
		mg/Kg (ppm)
KEROSINE	22.	1.
DIESEL	12.	1.

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 7/14/92

Date of Analysis: 07/14/92

Sample ID: Waste Oil 2', 3'

Lab ID: 922283-84

Matrix: SOIL

CONTACT: B. Nicholson

PROJECT: Taco Bell-Alameda

CT ID: 3403

ANALYSIS: TPH-GASOLINE by EPA 5030 PURGE-AND-TRAP

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
GASOLINE	ND	1
SURROGATE RECOVERY	94.20	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 7/14/92

Date of Analysis: 07/14/92

Sample ID: Waste Oil 10'

Lab ID: 922285

Matrix: SOIL

CONTACT: B. Nicholson

PROJECT: Taco Bell-Alameda

CT ID: 3403

ANALYSIS: TPH-GASOLINE by EPA 5030 PURGE-AND-TRAP

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
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GASOLINE

ND

1

SURROGATE RECOVERY

ACCEPTABLE RANGE

94.45

70% TO 130%

NOTE:

(ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 7/14/92

Date of Analysis: 07/17/92

Sample ID: Waste Oil 2' & 3'

Lab ID: 922283 & 84

Matrix: SOIL

CONTACT: M. Miles

P.O. No: Taco Bell Alameda

CT ID: 3403

ANALYSIS: TPH, EPA 8015

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT
		mg/Kg (ppm)
KEROSINE	ND	1.
DIESEL	8.	1.

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 7/14/92

Date of Analysis: 07/17/92

Sample ID: Waste Oil 10'

Lab ID: 922285

Matrix: SOIL

CONTACT: M. Miles

P.O. No: Taco Bell Alameda

CT ID: 3403

ANALYSIS: TPH, EPA 8015

COMPOUND	mg/Kg (ppm)	REPORTING LIMIT mg/Kg (ppm)
KEROSINE	ND	1.
DIESEL	4.	1.

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 7/14/92

Date of Analysis: 07/16/92

Sample ID: Waste Oil 2', 3'

Lab ID: 922283-84

Matrix: SOIL

CONTACT: B. Nicholson

PROJECT: Taco Bell-Alameda

CT ID: 3403

ANALYSIS REPORT: EPA 418.1; OIL & GREASE by IR SPECTROPHOTOMETER

COMPOUND	(mg/Kg) (ppm)	REPORTING LIMIT (ppm)
OIL & GREASE	ND	50

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS REPORT

CLIENT: LRA Environmental

Date Samples Received: 7/14/92

Date of Analysis: 07/16/92

Sample ID: Waste Oil 10'

Lab ID: 922285

Matrix: SOIL

CONTACT: B. Nicholson

PROJECT: Taco Bell-Alameda

CT ID: 3403

ANALYSIS REPORT: EPA 418.1; OIL & GREASE by IR SPECTROPHOTOMETER

COMPOUND	(mg/Kg) (ppm)	REPORTING LIMIT (ppm)
OIL & GREASE	ND	50

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS REPORT

CLIENT: LRA
 Date Samples Received: 07/13/92
 Date of Analysis: 07/15/92
 Sample ID: WASTE OIL 2'2"&3'5"
 Lab ID: 922283&84
 Matrix: SOIL

CONTACT: R NICHOLSON
 P.O. No:
 CT ID: 3403

ANALYSIS: Purgeable Organics Modified Method8240LL

File: G1513.D

ANALYTES	CONCENTRATION ug/Kg(ppb)	REPORTING LIMIT(ppb)
1,1,1-trichloroethane	ND	5
1,1,2,2-tetrachloroethane	ND	5
1,1,2-trichloroethane	ND	5
1,1-dichloroethane	ND	5
1,1-dichloroethene	ND	5
1,2-dichlorobenzene	ND	5
1,2-dichloroethane	ND	5
1,2-dichloropropane	ND	5
1,3-dichlorobenzene	ND	5
1,4-dichlorobenzene	ND	5
2-chloroethylvinyl ether	ND	5
benzene	ND	5
bromodichloromethane	ND	5
bromomethane	ND	10
carbon tetrachloride	ND	5
chlorobenzene	ND	5
chloroethane	ND	10
chloroform	ND	5
chloromethane	ND	10
cis-1,3-dichloropropene	ND	5
dibromochloromethane	ND	5
ethylbenzene	ND	5
tetrachloroethene	ND	10
toluene	ND	5
total xylenes	ND	15
trans-1,2-dichloroethene	ND	5
trans-1,3-dichloropropene	ND	5
trichloroethene	ND	5
trichlorofluoromethane	ND	10
vinyl chloride	ND	10

ND = Not Detected at, or Above the Report Limit

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA
Date Samples Received: 07/13/92
Date of Analysis: 07/15/92
Sample ID: WASTE OIL 10'
Lab ID: 922285
Matrix: SOIL

CONTACT: R NICHOLSON
P.O. No:
CT ID: 3403

ANALYSIS: Purgeable Organics Modified Method8240LL

File: G1511.D

ANALYTES	CONCENTRATION ug/Kg(ppb)	REPORTING LIMIT(ppb)
1,1,1-trichloroethane	ND	5
1,1,2,2-tetrachloroethane	ND	5
1,1,2-trichloroethane	ND	5
1,1-dichloroethane	ND	5
1,1-dichloroethene	ND	5
1,2-dichlorobenzene	ND	5
1,2-dichloroethane	ND	5
1,2-dichloropropane	ND	5
1,3-dichlorobenzene	ND	5
1,4-dichlorobenzene	ND	5
2-chloroethylvinyl ether	ND	5
benzene	ND	5
bromodichloromethane	ND	5
bromomethane	ND	10
carbon tetrachloride	ND	5
chlorobenzene	ND	5
chloroethane	ND	10
chloroform	ND	5
chloromethane	ND	10
cis-1,3-dichloropropene	ND	5
dibromochloromethane	ND	5
ethylbenzene	ND	5
tetrachloroethene	ND	10
toluene	9.8	5
total xylenes	22.	15
trans-1,2-dichloroethene	ND	5
trans-1,3-dichloropropene	ND	5
trichloroethene	ND	5
trichlorofluoromethane	ND	10
vinyl chloride	ND	10

ND = Not Detected at, or Above the Report Limit

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA
Date Samples Received: 7/14/92
Date of Analysis: 07/14/92
Sample ID: Waste Oil 2'2" & 3'5"
Lab ID: 922283/4
Matrix: SOIL

CONTACT: Bob Nicholson
P.O. No: Taco Bell
CT ID: 3403

ANALYSIS: SemiVolatile Organics Modified Method8270 File: G1405.D

ANALYTES	CONCENTRATION mg/Kg (ppm)	REPORTING LIMIT (ppm)
POLYNUCLEAR AROMATICS		
Acenaphthene	ND	0.3
Acenaphthylene	ND	0.3
Anthracene	ND	0.3
Benzo[a]pyrene	ND	0.3
Benzo[b]fluoranthene	ND	0.3
Benzo[g,h,i]perylene	ND	0.3
Benzyl alcohol	ND	0.6
Benzo[k]fluoranthene	ND	0.3
Chrysene	ND	0.3
Dibenzo[a,h]anthracene	ND	0.3
Fluoranthene	ND	0.3
Fluorene	ND	0.3
Indeno(1,2,3-c,d)pyrene	ND	0.3
Naphthalene	ND	0.3
Phenanthrene	ND	0.3
Pyrene	ND	0.3
POLYCHLOROBIPHENYLS (PCB)		
AROCLOR 1016	ND	0.6
AROCLOR 1221	ND	0.6
AROCLOR 1232	ND	0.6
AROCLOR 1242	ND	0.6
AROCLOR 1248	ND	0.6
AROCLOR 1254	ND	0.6
AROCLOR 1260	ND	0.6
ANILINES		
4-Chloroaniline	ND	0.6
2-Nitroaniline	ND	1.5
3-Nitroaniline	ND	1.5
4-Nitroaniline	ND	1.5

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA
Date Samples Received: 7/14/92
Date of Analysis: 07/15/92
Sample ID: Waste Oil 10'
Lab ID: 922285
Matrix: SOIL

CONTACT: Bob Nicholson
P.O. No: Taco Bell
CT ID: 3403

ANALYSIS: SemiVolatile Organics Modified Method8270

File: G1408.D

ANALYTES	CONCENTRATION mg/Kg (ppm)	REPORTING LIMIT (ppm)
POLYNUCLEAR AROMATICS		
Acenaphthene	ND	0.3
Acenaphthylene	ND	0.3
Anthracene	ND	0.3
Benzo[a]pyrene	ND	0.3
Benzo[b]fluoranthene	ND	0.3
Benzo[g,h,i]perylene	ND	0.3
Benzyl alcohol	ND	0.6
Benzo[k]fluoranthene	ND	0.3
Chrysene	ND	0.3
Dibenzo[a,h]anthracene	ND	0.3
Fluoranthene	ND	0.3
Fluorene	ND	0.3
Indeno(1,2,3-c,d)pyrene	ND	0.3
Naphthalene	ND	0.3
Phenanthrene	ND	0.3
Pyrene	ND	0.3
POLYCHLOROBIPHENYLS (PCB)		
AROCLOR 1016	ND	0.6
AROCLOR 1221	ND	0.6
AROCLOR 1232	ND	0.6
AROCLOR 1242	ND	0.6
AROCLOR 1248	ND	0.6
AROCLOR 1254	ND	0.6
AROCLOR 1260	ND	0.6
ANILINES		
4-Chloroaniline	ND	0.6
2-Nitroaniline	ND	1.5
3-Nitroaniline	ND	1.5
4-Nitroaniline	ND	1.5

MATRIX ENVIRONMENTAL LABORATORIES
ANALYSIS REPORT

CLIENT: LRA
Date Samples Received: 7/14/92
Date of Analysis: 07/14/92
Sample ID: Waste Oil 2'2" & 3'5"
Lab ID: 922283/4
Matrix: SOIL

CONTACT: Bob Nicholson
P.O. No: Taco Bell
CT ID: 3403

ANALYSIS: SemiVolatile Organics Modified Method8270

File: G1405.D

ANALYTES	CONCENTRATION mg/Kg (ppm)	REPORTING LIMIT (ppm)
PHENOLS		
Pentachlorophenol	ND	0.3
Phenol	ND	0.3
2-Chlorophenol	ND	0.3
2-Methylphenol	ND	0.3
4-Methylphenol	ND	0.3
2-Nitrophenol	ND	0.3
2,4-Dichlorophenol	ND	0.3
4-Chloro-3-methylphenol	ND	0.3
2,4,5-Trichlorophenol	ND	0.3
2,4,6-Trichlorophenol	ND	0.3
4-Nitrophenol	ND	0.3
2-Methyl-4,6-dinitrophenol	ND	0.3
CREOSOTE	ND	0.3

SURROGATE RECOVERY

Surrogate	Amount	Spike	Recovery	Range
2-Fluorophenol	96.58	200	48.29	20-100
Phenol-D6	157.58	200	78.79	10- 94
Nitrobenzene-D5	64.20	100	64.20	35-114
2-Fluorobipheny	65.78	100	65.78	43-116
Tribromophenol	32.20	200	16.10	10-123
4-Terphenyl-D14	149.30	100	149.30	33-141

ND = Not detected at or above the Report Limit.

MATRIX ENVIRONMENTAL LABORATORIES
 ANALYSIS REPORT

CLIENT: LRA
 Date Samples Received: 7/14/92
 Date of Analysis: 07/15/92
 Sample ID: Waste Oil 10'
 Lab ID: 922285
 Matrix: SOIL

CONTACT: Bob Nicholson
 P.O. No: Taco Bell
 CT ID: 3403

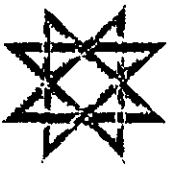
ANALYSIS: SemiVolatile Organics Modified Method8270 File: G1408.D

ANALYTES	CONCENTRATION mg/Kg (ppm)	REPORTING LIMIT (ppm)
PHENOLS		
Pentachlorophenol	ND	0.3
Phenol	ND	0.3
2-Chlorophenol	ND	0.3
2-Methylphenol	ND	0.3
4-Methylphenol	ND	0.3
2-Nitrophenol	ND	0.3
2,4-Dichlorophenol	ND	0.3
4-Chloro-3-methylphenol	ND	0.3
2,4,5-Trichlorophenol	ND	0.3
2,4,6-Trichlorophenol	ND	0.3
4-Nitrophenol	ND	0.3
2-Methyl-4,6-dinitrophenol	ND	0.3
CREOSOTE	ND	0.3

SURROGATE RECOVERY

Surrogate	Amount	Spike	Recovery	Range
2-Fluorophenol	79.88	200	39.94	20-100
Phenol-D6	149.81	200	74.90	10- 94
Nitrobenzene-D5	59.87	100	59.87	35-114
2-Fluorobipheny	62.19	100	62.19	43-116
Tribromophenol	35.03	200	17.51	10-123
4-Terphenyl-D14	137.00	100	137.00	33-141

ND = Not detected at or above the Report Limit.



MATRIX
ENVIRONMENTAL LABORATORIES INC

LRA Environmental
3235 Sunrise Boulevard
Suite "E"
Rancho Cordova, Ca 95742


1/13/93

ATTN: Bob Nicholson

Re: Project: Taco Bell
Lab Reference Number: 3719
Date Samples Received: 1/5/93
No. Samples Received: 24

The samples were received by Matrix Environmental Laboratories intact and in good condition. Samples conformed to required sampling protocols for the requested analyses and were accompanied by required documentation.

Please call if we can be of further assistance.

Sincerely,

Larry A. Mooney, PhD
Laboratory Director

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: BTEX, EPA 602

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: Taco Bell MW#2
Lab ID: 925122

Date Sampled: 1/04/93
Date Received: 1/05/93
Date Extracted: N/A
Date of Analysis: 1/05/93
Matrix: WATER

COMPOUND	ug/L (ppb)	REPORTING LIMIT (ppb)
BENZENE	ND	0.3
TOLUENE	ND	0.3
ETHYLBENZENE	ND	0.3
XYLENES	ND	0.9
SURROGATE RECOVERY	107.26	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: BTEX, EPA 602

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: Taco Bell MW#3
Lab ID: 925130

Date Sampled: 1/04/93
Date Received: 1/05/93
Date Extracted: N/A
Date of Analysis: 1/05/93
Matrix: WATER

COMPOUND	ug/L (ppb)	REPORTING LIMIT (ppb)
BENZENE	ND	0.3
TOLUENE	ND	0.3
ETHYLBENZENE	ND	0.3
XYLENES	ND	0.9
SURROGATE RECOVERY	113.50	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH-GASOLINE by EPA 5030 PURGE-AND-TRAP

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: Taco Bell MW#1
Lab ID: 925114

Date Sampled: 1/04/93
Date Received: 1/05/93
Date Extracted: N/A
Date of Analysis: 1/05/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT mg/L (ppm)
GASOLINE	ND	0.05
SURROGATE RECOVERY	101.57	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH-GASOLINE by EPA 5030 PURGE-AND-TRAP

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: Taco Bell MW#2
Lab ID: 925122

Date Sampled: 1/04/93
Date Received: 1/05/93
Date Extracted: N/A
Date of Analysis: 1/05/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT
		mg/L (ppm)
GASOLINE	ND	0.05
SURROGATE RECOVERY	98.45	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH-GASOLINE by EPA 5030 PURGE-AND-TRAP

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: Taco Bell MW#3
Lab ID: 925130

Date Sampled: 1/04/93
Date Received: 1/05/93
Date Extracted: N/A
Date of Analysis: 1/05/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT
		mg/L (ppm)
GASOLINE	ND	0.05
SURROGATE RECOVERY	103.97	ACCEPTABLE RANGE 70% TO 130%
NOTE:	(ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.	

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH, EPA 8015 mod.

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: Taco Bell MW #1
Lab ID: 925113

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/12/93
Date of Analysis: 1/12/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT
		mg/L (ppm)
KEROSINE	ND	.5
DIESEL	ND	.5

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH, EPA 8015 mod.

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: Taco Bell MW #2
Lab ID: 925121

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/12/93
Date of Analysis: 1/12/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT
		mg/L (ppm)
KEROSINE	ND	.5
DIESEL	ND	.5

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH, EPA 8015 mod.

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: Taco Bell MW #3
Lab ID: 925129

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/12/93
Date of Analysis: 1/12/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT
		mg/L (ppm)
KEROSINE	ND	.5
DIESEL	ND	.5

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3719
Project No:
Sample ID: TACO BELL MW#1
Lab ID: 925115

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: N/A
Date of Analysis: 01/06/93
Matrix: WATER

File: A0605.D

ANALYTES	CONCENTRATION ug/L(ppb)	REPORTING LIMIT(ppb)
1,1,1-trichloroethane	ND	5
1,1,2,2-tetrachloroethane	ND	5
1,1,2-trichloroethane	ND	5
1,1-dichloroethane	ND	5
1,1-dichloroethene	ND	5
1,2-dichlorobenzene	ND	5
1,2-dichloroethane	ND	5
1,2-dichloropropane	ND	5
1,3-dichlorobenzene	ND	5
1,4-dichlorobenzene	ND	5
2-chloroethylvinyl ether	ND	5
bromodichloromethane	ND	5
bromomethane	ND	10
carbon tetrachloride	ND	5
chlorobenzene	ND	5
chloroethane	ND	10
chloroform	ND	5
chloromethane	ND	10
cis-1,3-dichloropropene	ND	5
dibromochloromethane	ND	5
tetrachloroethene	ND	10
trans-1,2-dichloroethene	ND	5
trans-1,3-dichloropropene	ND	5
trichloroethene	ND	5
trichlorofluoromethane	ND	10
vinyl chloride	ND	10

ND = Not Detected at, or Above the Report Limit

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3719
Project No:
Sample ID: TACO BELL MW#2
Lab ID: 925123

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: N/A
Date of Analysis: 01/06/93
Matrix: WATER

File: A0606.D

ANALYTES	CONCENTRATION ug/L(ppb)	REPORTING LIMIT(ppb)
1,1,1-trichloroethane	ND	5
1,1,2,2-tetrachloroethane	ND	5
1,1,2-trichloroethane	ND	5
1,1-dichloroethane	ND	5
1,1-dichloroethene	ND	5
1,2-dichlorobenzene	ND	5
1,2-dichloroethane	ND	5
1,2-dichloropropane	ND	5
1,3-dichlorobenzene	ND	5
1,4-dichlorobenzene	ND	5
2-chloroethylvinyl ether	ND	5
bromodichloromethane	ND	5
bromomethane	ND	10
carbon tetrachloride	ND	5
chlorobenzene	ND	5
chloroethane	ND	10
chloroform	ND	5
chloromethane	ND	10
cis-1,3-dichloropropene	ND	5
dibromochloromethane	ND	5
tetrachloroethene	ND	10
trans-1,2-dichloroethene	ND	5
trans-1,3-dichloropropene	ND	5
trichloroethene	ND	5
trichlorofluoromethane	ND	10
vinyl chloride	ND	10

ND = Not Detected at, or Above the Report Limit

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3719
Project No:
Sample ID: TACO BELL MW#3
Lab ID: 925131

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: N/A
Date of Analysis: 01/06/93
Matrix: WATER

File: A0607.D

ANALYTES	CONCENTRATION ug/L(ppb)	REPORTING LIMIT(ppb)
1,1,1-trichloroethane	ND	5
1,1,2,2-tetrachloroethane	ND	5
1,1,2-trichloroethane	ND	5
1,1-dichloroethane	ND	5
1,1-dichloroethene	ND	5
1,2-dichlorobenzene	ND	5
1,2-dichloroethane	ND	5
1,2-dichloropropane	ND	5
1,3-dichlorobenzene	ND	5
1,4-dichlorobenzene	ND	5
2-chloroethylvinyl ether	ND	5
bromodichloromethane	ND	5
bromomethane	ND	10
carbon tetrachloride	ND	5
chlorobenzene	ND	5
chloroethane	ND	10
chloroform	ND	5
chloromethane	ND	10
cis-1,3-dichloropropene	ND	5
dibromochloromethane	ND	5
tetrachloroethene	ND	10
trans-1,2-dichloroethene	ND	5
trans-1,3-dichloropropene	ND	5
trichloroethene	ND	5
trichlorofluoromethane	ND	10
vinyl chloride	ND	10

ND = Not Detected at, or Above the Report Limit

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3719
Project No:
Sample ID: MW#1
Lab ID: 925112

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/6/93
Date of Analysis: 1/6/93
Matrix: WATER

File: A0610.D

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
POLYNUCLEAR AROMATICS		
Acenaphthene	ND	10
Acenaphthylene	ND	10
Anthracene	ND	10
Benzo[a]pyrene	ND	10
Benzo[b]fluoranthene	ND	10
Benzo[g,h,i]perylene	ND	10
Benzoic acid	ND	10
Benzo[k]fluoranthene	ND	10
Benzyl alcohol	ND	20
Chrysene	ND	10
Dibenzofuran	ND	10
Fluoranthene	ND	10
Fluorene	ND	10
Indeno(1,2,3-c,d)pyrene	ND	10
Naphthalene	ND	10
Phenanthrene	ND	10
Pyrene	ND	10
POLYCHLOROBIPHENYLS(PCB)		
Aroclor 1016	ND	50
Aroclor 1221	ND	50
Aroclor 1232	ND	50
Aroclor 1242	ND	50
Aroclor 1248	ND	50
Aroclor 1254	ND	50
Aroclor 1260	ND	50

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3719
Project No:
Sample ID: MW#1
Lab ID: 925112

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/6/93
Date of Analysis: 1/6/93
Matrix: WATER

File: A0610.D

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
ANILINES		
4-Chloroaniline	ND	20
2-Nitroaniline	ND	50
3-Nitroaniline	ND	50
4-Nitroaniline	ND	50
PHENOLS		
Pentachlorophenol	ND	10
Phenol	ND	10
2-Chlorophenol	ND	10
2-Methylphenol	ND	10
4-Methylphenol	ND	10
2-Nitrophenol	ND	10
2,4-Dichlorophenol	ND	10
4-Chloro-3-methylphenol	ND	10
2,4,5-Trichlorophenol	ND	10
2,4,6-Trichlorophenol	ND	10
4-Nitrophenol	ND	10
2-Methyl-4,6-dinitrophenol	ND	10
CREOSOTE	ND	0.3

ND = Not detected at or above the Report Limit.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3719
Project No:
Sample ID: MW#2
Lab ID: 925120

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/6/93
Date of Analysis: 1/6/93
Matrix: WATER

File: A0611.D

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
POLYNUCLEAR AROMATICS		
Acenaphthene	ND	10
Acenaphthylene	ND	10
Anthracene	ND	10
Benzo[a]pyrene	ND	10
Benzo[b]fluoranthene	ND	10
Benzo[g,h,i]perylene	ND	10
Benzoic acid	ND	10
Benzo[k]fluoranthene	ND	10
Benzyl alcohol	ND	20
Chrysene	ND	10
Dibenzofuran	ND	10
Fluoranthene	ND	10
Fluorene	ND	10
Indeno(1,2,3-c,d)pyrene	ND	10
Naphthalene	ND	10
Phenanthrene	ND	10
Pyrene	ND	10
POLYCHLOROBIPHENYLS(PCB)		
Aroclor 1016	ND	50
Aroclor 1221	ND	50
Aroclor 1232	ND	50
Aroclor 1242	ND	50
Aroclor 1248	ND	50
Aroclor 1254	ND	50
Aroclor 1260	ND	50

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3719
Project No:
Sample ID: MW#2
Lab ID: 925120

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/6/93
Date of Analysis: 1/6/93
Matrix: WATER

File: A0611.D

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
ANILINES		
4-Chloroaniline	ND	20
2-Nitroaniline	ND	50
3-Nitroaniline	ND	50
4-Nitroaniline	ND	50
PHENOLS		
Pentachlorophenol	ND	10
Phenol	ND	10
2-Chlorophenol	ND	10
2-Methylphenol	ND	10
4-Methylphenol	ND	10
2-Nitrophenol	ND	10
2,4-Dichlorophenol	ND	10
4-Chloro-3-methylphenol	ND	10
2,4,5-Trichlorophenol	ND	10
2,4,6-Trichlorophenol	ND	10
4-Nitrophenol	ND	10
2-Methyl-4,6-dinitrophenol	ND	10
CREOSOTE	ND	0.3

ND = Not detected at or above the Report Limit.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3719
Project No:
Sample ID: MW#3
Lab ID: 925128

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/6/93
Date of Analysis: 1/6/93
Matrix: WATER

File: A0612.D

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
POLYNUCLEAR AROMATICS		
Acenaphthene	ND	10
Acenaphthylene	ND	10
Anthracene	ND	10
Benzo[a]pyrene	ND	10
Benzo[b]fluoranthene	ND	10
Benzo[g,h,i]perylene	ND	10
Benzoic acid	ND	10
Benzo[k]fluoranthene	ND	10
Benzyl alcohol	ND	20
Chrysene	ND	10
Dibenzofuran	ND	10
Fluoranthene	ND	10
Fluorene	ND	10
Indeno(1,2,3-c,d)pyrene	ND	10
Naphthalene	ND	10
Phenanthrene	ND	10
Pyrene	ND	10
POLYCHLOROBIPHENYLS(PCB)		
Aroclor 1016	ND	50
Aroclor 1221	ND	50
Aroclor 1232	ND	50
Aroclor 1242	ND	50
Aroclor 1248	ND	50
Aroclor 1254	ND	50
Aroclor 1260	ND	50

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3719
Project No:
Sample ID: MW#3
Lab ID: 925128

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/6/93
Date of Analysis: 1/6/93
Matrix: WATER

File: A0612.D

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
ANILINES		
4-Chloroaniline	ND	20
2-Nitroaniline	ND	50
3-Nitroaniline	ND	50
4-Nitroaniline	ND	50
PHENOLS		
Pentachlorophenol	ND	10
Phenol	ND	10
2-Chlorophenol	ND	10
2-Methylphenol	ND	10
4-Methylphenol	ND	10
2-Nitrophenol	ND	10
2,4-Dichlorophenol	ND	10
4-Chloro-3-methylphenol	ND	10
2,4,5-Trichlorophenol	ND	10
2,4,6-Trichlorophenol	ND	10
4-Nitrophenol	ND	10
2-Methyl-4,6-dinitrophenol	ND	10
CREOSOTE	ND	0.3

ND = Not detected at or above the Report Limit.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: EPA 418.1, OIL & GREASE by IR SPECTROPHOTOMETER

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: MW1
Lab ID: 925113

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/11/93
Date of Analysis: 1/12/93
Matrix: WATER

COMPOUND	(mg/L) (ppm)	REPORTING LIMIT (ppm)
OIL & GREASE	ND	0.5

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: EPA 418.1, OIL & GREASE by IR SPECTROPHOTOMETER

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: MW2
Lab ID: 925121

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/11/93
Date of Analysis: 1/12/93
Matrix: WATER

COMPOUND	(mg/L) (ppm)	REPORTING LIMIT (ppm)
OIL & GREASE	ND	0.5

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: EPA 418.1, OIL & GREASE by IR SPECTROPHOTOMETER

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: MW3
Lab ID: 925129

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/11/93
Date of Analysis: 1/12/93
Matrix: WATER

COMPOUND	(mg/L) (ppm)	REPORTING LIMIT (ppm)
OIL & GREASE	ND	0.5

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: METALS CAM 5 TTLC

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: Taco Bell MW #1
Lab ID: 925119

Date Sampled: 1/04/93
Date Received: 1/05/93
Date Extracted: 1/06/93
Date of Analysis: 1/07/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT	Method
		mg/L (ppm)	
CADMIUM	ND	.01	7130
CHROMIUM	ND	.02	7190
LEAD	ND	.05	7420
NICKEL	ND	.02	7520
ZINC	ND	.08	7920

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: METALS CAM 5 TTLC

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: Taco Bell MW #2
Lab ID: 925127

Date Sampled: 1/04/93
Date Received: 1/05/93
Date Extracted: 1/06/93
Date of Analysis: 1/07/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT mg/L (ppm)	Method
CADMIUM	ND	.01	7130
CHROMIUM	ND	.02	7190
LEAD	ND	.05	7420
NICKEL	ND	.02	7520
ZINC	ND	.08	7920

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: METALS CAM 5 TTLC

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: Taco Bell MW #3
Lab ID: 925135

Date Sampled: 1/04/93
Date Received: 1/05/93
Date Extracted: 1/06/93
Date of Analysis: 1/07/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT	Method
		mg/L (ppm)	
CADMIUM	ND	.01	7130
CHROMIUM	ND	.02	7190
LEAD	ND	.05	7420
NICKEL	ND	.02	7520
ZINC	ND	.08	7920

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.



MATRIX

ENVIRONMENTAL LABORATORIES INC.

LRA Environmental
3235 Sunrise Boulevard
Suite "E"
Rancho Cordova, Ca 95742

1/26/93

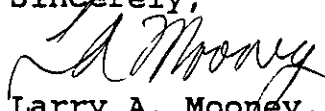
ATTN: Bob Nicholson

Re: Project: Taco Bell E9170
Lab Reference Number: 3736
Date Samples Received: 1/19/93
No. Samples Received: 12

The samples were received by Matrix Environmental Laboratories intact and in good condition. Samples conformed to required sampling protocols for the requested analyses and were accompanied by required documentation.

Please call if we can be of further assistance.

Sincerely,


Larry A. Mooney, PhD
Laboratory Director

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: BTEX, EPA 602

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell
Sample ID: Taco Bell MW #4
Lab ID: 930011

Date Sampled: 1/19/93
Date Received: 1/19/93
Date Extracted: N/A
Date of Analysis: 1/19/93
Matrix: WATER

COMPOUND	ug/L (ppb)	REPORTING LIMIT (ppb)
BENZENE	ND	0.3
TOLUENE	ND	0.3
ETHYLBENZENE	ND	0.3
XYLENES	ND	0.9
SURROGATE RECOVERY		ACCEPTABLE RANGE
	101.20	70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH-GASOLINE by EPA 5030 PURGE-AND-TRAP

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell
Sample ID: Taco Bell MW#4
Lab ID: 930011

Date Sampled: 1/19/93
Date Received: 1/19/93
Date Extracted: N/A
Date of Analysis: 1/19/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT
		mg/L (ppm)
GASOLINE	ND	0.05
SURROGATE RECOVERY		ACCEPTABLE RANGE
	99.49	70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3736
Project No:
Sample ID: Taco Bell MW#4
Lab ID: 930012

Date Sampled: 1/19/93
Date Received: 1/19/93
Date Extracted: N/A
Date of Analysis: 01/20/93
Matrix: WATER

File: A2005.D

ANALYTES	CONCENTRATION ug/L(ppb)	REPORTING LIMIT(ppb)
1,1,1-trichloroethane	ND	5
1,1,2,2-tetrachloroethane	ND	5
1,1,2-trichloroethane	ND	5
1,1-dichloroethane	ND	5
1,1-dichloroethene	ND	5
1,2-dichlorobenzene	ND	5
1,2-dichloroethane	ND	5
1,2-dichloropropane	ND	5
1,3-dichlorobenzene	ND	5
1,4-dichlorobenzene	ND	5
2-chloroethylvinyl ether	ND	5
bromodichloromethane	ND	5
bromomethane	ND	10
carbon tetrachloride	ND	5
chlorobenzene	ND	5
chloroethane	ND	10
chloroform	ND	5
chloromethane	ND	10
cis-1,3-dichloropropene	ND	5
dibromochloromethane	ND	5
tetrachloroethene	ND	10
trans-1,2-dichloroethene	ND	5
trans-1,3-dichloropropene	ND	5
trichloroethene	ND	5
trichlorofluoromethane	ND	10
vinyl chloride	ND	10

ND = Not Detected at, or Above the Report Limit

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3736
Project No:
Sample ID: MW#4
Lab ID: 930008

Date Sampled: 1/19/93
Date Received: 1/19/93
Date Extracted: 1/21/93
Date of Analysis: 1/22/93
Matrix: WATER

File: A2205.D

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
POLYNUCLEAR AROMATICS		
Acenaphthene	ND	10
Acenaphthylene	ND	10
Anthracene	ND	10
Benzo[a]pyrene	ND	10
Benzo[b]fluoranthene	ND	10
Benzo[g,h,i]perylene	ND	10
Benzoic acid	ND	10
Benzo[k]fluoranthene	ND	10
Benzyl alcohol	ND	20
Chrysene	ND	10
Dibenzofuran	ND	10
Fluoranthene	ND	10
Fluorene	ND	10
Indeno(1,2,3-c,d)pyrene	ND	10
Naphthalene	ND	10
Phenanthrene	ND	10
Pyrene	ND	10
POLYCHLOROBIPHENYLS(PCB)		
Aroclor 1016	ND	50
Aroclor 1221	ND	50
Aroclor 1232	ND	50
Aroclor 1242	ND	50
Aroclor 1248	ND	50
Aroclor 1254	ND	50
Aroclor 1260	ND	50

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3736
Project No:
Sample ID: MW#4
Lab ID: 930008

Date Sampled: 1/19/93
Date Received: 1/19/93
Date Extracted: 1/21/93
Date of Analysis: 1/22/93
Matrix: WATER

File: A2205.D

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
ANILINES		
4-Chloroaniline	ND	20
2-Nitroaniline	ND	50
3-Nitroaniline	ND	50
4-Nitroaniline	ND	50
PHENOLS		
Pentachlorophenol	ND	10
Phenol	ND	10
2-Chlorophenol	ND	10
2-Methylphenol	ND	10
4-Methylphenol	ND	10
2-Nitrophenol	ND	10
2,4-Dichlorophenol	ND	10
4-Chloro-3-methylphenol	ND	10
2,4,5-Trichlorophenol	ND	10
2,4,6-Trichlorophenol	ND	10
4-Nitrophenol	ND	10
2-Methyl-4,6-dinitrophenol	ND	10
CREOSOTE	ND	0.3

ND = Not detected at or above the Report Limit.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH, EPA 8015 mod.

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell E9170
Sample ID: Taco Bell MW #4
Lab ID: 930009

Date Sampled: 1/19/93
Date Received: 1/19/93
Date Extracted: 1/22/93
Date of Analysis: 1/22/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT
		mg/L (ppm)
KEROSINE	ND	.5
DIESEL	ND	.5

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: EPA 418.1, OIL & GREASE by IR SPECTROPHOTOMETER

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell
Sample ID: Taco Bell MW#4
Lab ID: 930009

Date Sampled: 1/19/93
Date Received: 1/19/93
Date Extracted: 1/20/93
Date of Analysis: 1/21/93
Matrix: WATER

COMPOUND	(mg/L) (ppm)	REPORTING LIMIT (ppm)
OIL & GREASE	ND	0.5

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.



California Laboratory Services

LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

09/14/93

Attention: Robert Nicholson

Reference: Analytical Results

Project Name: Taco Bell Alameda/3rd QTR '93
Project No.: E9171
Date Received: 09/07/93
Chain Of Custody: 10006

CLS ID No.: M2133
CLS Job No.: 792133

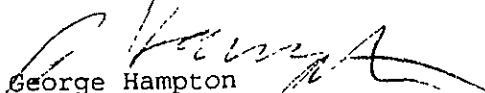
The following analyses were performed on the above referenced project:

No. of Samples	Turnaround Time	Analysis Description
4	5 Days	TPH Diesel by DHS Method - M8015 (water)
4	5 Days	TPH Gasoline and BTXE (water)
4	5 Days	Total Oil and Grease, EPA Method 9070

These samples were received by California Laboratory Services in a chilled, intact state and accompanied by a valid chain of custody document.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,


George Hampton
Laboratory Director



California Laboratory Services

Analysis Report: BTEX, EPA Method 602
Purge and Trap, EPA Method 5030

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.: E9171
Contact: Robert Nicholson
Phone: (916) 631-4455

Project: Taco Bell Alameda/3rd QTR '93

CLS Contact: George Hampton
Job No.: 792133
COC Log No.: 10006
CLS ID No.: M2133
Batch No.: 12040
Matrix: WATER

Date Sampled: 09/01/93
Date Received: 09/07/93
Date Extracted: 09/08/93
Date Analyzed: 09/08/93
Date Reported: 09/09/93

SURROGATE RECOVERY

Client	Sample I.D.	CLS	o-Chlorotoluene CAS No. 95-49-8 (percent)
E9171 MW #1		1B	111
E9171 MW #2		2B	111
E9171 MW #3		3B	111
E9171 MW #4		4B	110
Surr Conc. (ug/L)			20

ANALYTE

Client	Sample I.D.	CLS	Benzene 71-43-2 (ug/L)	Toluene 108-88-3 (ug/L)	Ethylbenzene 100-41-4 (ug/L)	Xylenes, total 1330-20-7 (ug/L)
E9171 MW #1		1B	ND	ND	ND	ND
E9171 MW #2		2B	ND	ND	ND	ND
E9171 MW #3		3B	ND	ND	ND	ND
E9171 MW #4		4B	ND	ND	ND	ND
Rep. Limit			0.3	0.3	0.3	0.6

ND = Not detected at or above indicated Reporting Limit
Rep. Limit = Reporting Limit unless otherwise indicated in parentheses.



California Laboratory Services

Analysis Report: Total Petroleum Hydrocarbons, EPA Method 8015
Separatory Funnel, EPA Method 3510

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.: E9171
Contact: Robert Nicholson
Phone: (916) 631-4455

Project: Taco Bell Alameda/3rd QTR '93

CLS Contact: George Hampton
Job No.: 792133
COC Log No.: 10006
CLS ID No.: M2133
Batch No.: 12041
Matrix: WATER

Date Sampled: 09/01/93
Date Received: 09/07/93
Date Extracted: 09/08/93
Date Analyzed: 09/09/93
Date Reported: 09/10/93

ANALYTE

Client	Sample I.D. CLS	TPH as Diesel (mg/L)	TPH as Kerosene (mg/L)
E9171 MW #1	1A	ND	ND
E9171 MW #2	2A	ND	ND
E9171 MW #3	3A	ND	ND
E9171 MW #4	4A	ND	ND
Rep. Limit		0.05	0.20

ND = Not detected at or above indicated Reporting Limit
Rep. Limit = Reporting Limit unless otherwise indicated in parentheses.



California Laboratory Services

Analysis Report: Total Petroleum Hydrocarbons, EPA Method 8015
Purge and Trap, EPA Method 5030

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.: E9171
Contact: Robert Nicholson
Phone: (916) 631-4455

Project: Taco Bell Alameda/3rd QTR '93

CLS Contact: George Hampton
Job No.: 792133
COC Log No.: 10006
CLS ID No.: M2133
Batch No.: 12040
Matrix: WATER

Date Sampled: 09/01/93
Date Received: 09/07/93
Date Extracted: 09/08/93
Date Analyzed: 09/08/93
Date Reported: 09/09/93

ANALYTE

Client	Sample I.D. CLS	TPH as Gasoline (mg/L)
E9171 MW #1	1B	ND
E9171 MW #2	2B	ND
E9171 MW #3	3B	ND
E9171 MW #4	4B	ND

Rep. Limit 0.05

ND = Not detected at or above indicated Reporting Limit
Rep. Limit = Reporting Limit unless otherwise indicated in parentheses.



California Laboratory Services

Analysis Report: Total Oil and Grease, EPA Method 9070
Separatory Funnel, EPA Method 3510

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.: E9171
Contact: Robert Nicholson
Phone: (916) 631-4455

Project: Taco Bell Alameda/3rd QTR '93

CLS Contact: George Hampton
Job No.: 792133
COC Log No.: 10006
CLS ID No.: M2133
Batch No.: 12053
Matrix: WATER

Date Sampled: 09/01/93
Date Received: 09/07/93
Date Extracted: 09/09/93
Date Analyzed: 09/13/93
Date Reported: 09/14/93

ANALYTE

Sample I.D.	CLS	Total Oil & Grease (mg/L)
E9171 MW #1	1A	ND
E9171 MW #2	2A	ND
E9171 MW #3	3A	30
E9171 MW #4	4A	ND

Rep. Limit 5

ND = Not detected at or above indicated Reporting Limit
Rep. Limit = Reporting Limit unless otherwise indicated in parentheses.

California Laboratory Services

LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

12/21/93

Attention: Bob Nicholson

Reference: Analytical Results

Project Name:
Project No.: E9170
Date Received: 12/07/93
Chain Of Custody: 09619

CLS ID No.: M3166
CLS Job No.: 793166

The following analyses were performed on the above referenced project:

<u>No. of Samples</u>	<u>Turnaround Time</u>	<u>Analysis Description</u>
4	10 Days	TPH Diesel by DHS Method - M8015 (water)
4	10 Days	TPH Gasoline and BTXE (water)
4	10 Days	Total Oil and Grease, EPA Method 9070

Elevated method 8015/TPH as diesel and kerosene reporting limits for sample "MW#1" are due to the presence of a heavier hydrocarbon mixture in this sample.

These samples were received by California Laboratory Services in a chilled, intact state and accompanied by a valid chain of custody document.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,


George Hampton
Laboratory Director

California Laboratory Services

Analysis Report: **BTEX, EPA Method 602**
Purge and Trap, EPA Method 5030

Client: **LRA Environmental**
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.: **E9170**
 Contact: **Bob Nicholson**
 Phone: **(916) 631-4455**

Project:

Date Sampled: **12/06/93**
 Date Received: **12/07/93**
 Date Extracted: **12/07/93**
 Date Analyzed: **12/07/93**
 Date Reported: **12/09/93**

CLS Contact: **George Hampton**
 Job No.: **793166**
 COC Log No.: **09619**
 CLS ID No.: **M3166**
 Batch No.: **12653**
 Matrix: **WATER**

SURROGATE RECOVERY

Client	Sample I.D. CLS	o-Chlorotoluene CAS No. 95-49-8 (percent)
MW#1	1C	96
MW#2	2C	96
MW#3	3C	96
MW#4	4C	97
Surr Conc. (ug/L)		20

ANALYTE

Client	Sample I.D. CLS	Benzene 71-43-2 (ug/L)	Toluene 108-88-3 (ug/L)	Ethylbenzene 100-41-4 (ug/L)	Xylenes, total 1330-20-7 (ug/L)
MW#1	1C	ND	ND	ND	ND
MW#2	2C	ND	ND	ND	ND
MW#3	3C	ND	ND	ND	ND
MW#4	4C	ND	ND	ND	ND
Rep. Limit		0.3	0.3	0.3	0.6

ND = Not detected at or above indicated Reporting Limit
 Rep. Limit = Reporting Limit unless otherwise indicated in parentheses.

California Laboratory Services

Analysis Report: Total Oil and Grease, EPA Method 9070
Separatory Funnel, EPA Method 3510

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.: E9170
Contact: Bob Nicholson
Phone: (916) 631-4455

Project:

Date Sampled: 12/06/93
Date Received: 12/07/93
Date Extracted: 12/15/93
Date Analyzed: 12/17/93
Date Reported: 12/20/93

CLS Contact: George Hampton
Job No.: 793166
COC Log No.: 09619
CLS ID No.: M3166
Batch No.: 12717
Matrix: WATER

ANALYTE

Client	Sample I.D. CLS	Total Oil & Grease (mg/L)
MW#1	1B	ND
MW#2	2B	5.5
MW#3	3B	ND
MW#4	4B	ND

Rep. Limit 5

ND = Not detected at or above indicated Reporting Limit
Rep. Limit = Reporting Limit unless otherwise indicated in parentheses.

California Laboratory Services

Analysis Report: Total Petroleum Hydrocarbons, EPA Method 8015
Purge and Trap, EPA Method 5030

Client: LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

Project No.: E9170
Contact: Bob Nicholson
Phone: (916) 631-4455

Project:

Date Sampled: 12/06/93
Date Received: 12/07/93
Date Extracted: 12/07/93
Date Analyzed: 12/07/93
Date Reported: 12/09/93

CLS Contact: George Hampton
Job No.: 793166
COC Log No.: 09619
CLS ID No.: M3166
Batch No.: 12653
Matrix: WATER

ANALYTE

Client	Sample I.D. CLS	TPH as Gasoline (mg/L)
MW#1	1C	ND
MW#2	2C	ND
MW#3	3C	ND
MW#4	4C	ND

Rep. Limit 0.05

ND = Not detected at or above indicated Reporting Limit
Rep. Limit = Reporting Limit unless otherwise indicated in parentheses.

California Laboratory Services

**Analysis Report: Total Petroleum Hydrocarbons, EPA Method 8015
 Separatory Funnel, EPA Method 3510**

**Client: LRA Environmental
 3235 Sunrise Blvd. Ste. 5
 Rancho Cordova, CA 95742**

**Project No.: E9170
 Contact: Bob Nicholson
 Phone: (916) 631-4455**

Project:

Date Sampled: 12/06/93
 Date Received: 12/07/93
 Date Extracted: 12/07/93
 Date Analyzed: 12/10/93
 Date Reported: 12/16/93

**CLS Contact: George Hampton
 Job No.: 793166
 COC Log No.: 09619
 CLS ID No.: M3166
 Batch No.: 12658
 Matrix: WATER**

ANALYTE

Client	Sample I.D. CLS	TPH as Diesel (mg/L)	TPH as Kerosene (mg/L)
MW#1	1A	ND(0.20)	ND(0.80)
MW#2	2A	ND	ND
MW#3	3A	ND	ND
MW#4	4A	ND	ND
Rep. Limit		0.05	0.20

ND = Not detected at or above indicated Reporting Limit
 Rep. Limit = Reporting Limit unless otherwise indicated in parentheses.

California Laboratory Services

LRA Environmental
3235 Sunrise Blvd. Ste. 5
Rancho Cordova, CA 95742

04/25/95

Attention: Robert Nicholson

Reference: Analytical Results

Project Name: Taco Bell
Project No.: 9170 E
Date Received: 04/17/95
Chain Of Custody: 06314

CLS ID No.: M8468
CLS Job No.: 798468

The following analyses were performed on the above referenced project:

<u>No. of Samples</u>	<u>Turnaround Time</u>	<u>Analysis Description</u>
4	10 Days	Total Oil and Grease, EPA Method 9070

These samples were received by California Laboratory Services in a chilled, intact state and accompanied by a valid chain of custody document.

Calibrations for analytical testing have been performed in accordance to and pass the EPA's criteria for acceptability.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,


George Hampton
Laboratory Director

California Laboratory Services

Analysis Report: Total Oil and Grease, EPA Method 9070
 Separatory Funnel, EPA Method 3510

Client: LRA Environmental
 3235 Sunrise Blvd. Ste. 5
 Rancho Cordova, CA 95742

Project No.: 9170 E
 Contact: Robert Nicholson
 Phone: (916) 631-4455

Project: Taco Bell

CLS Contact: Larry Mooney
 Job No.: 798468
 COC Log No.: 06314
 CLS ID No.: M8468
 Batch No.: 15728
 Matrix: WATER

Date Sampled: 04/14/95
 Date Received: 04/17/95
 Date Extracted: 04/19/95
 Date Analyzed: 04/20/95
 Date Reported: 04/25/95

ANALYTE

Client	Sample I.D. CLS	Total Oil & Grease [Rep. Limit] (Dilution)
MW #1	1A	ND [5.0] (1.0)
MW #2	2A	ND [5.0] (1.0)
MW #3	3A	ND [5.0] (1.0)
MW #4	4A	ND [5.0] (1.0)

Units mg/L

ND = Not detected at or above indicated Reporting Limit