



PACIFIC  
ENVIRONMENTAL  
GROUP, INC.

February 15, 1996  
Project 330-084.1B

Mr. Michael Whelan  
ARCO Products Company  
P.O. Box 612530  
San Jose, California 95161

Re: Product Line and Product Dispenser  
Replacement Documentation  
ARCO Service Station 0374  
6407 Telegraph Avenue at Alcatraz Avenue  
Oakland, California

Dear Mr. Whelan:

Pacific Environmental Group, Inc. (PACIFIC) has prepared this letter for ARCO Products Company to document the findings of investigative activities performed during the replacement of product lines and product dispenser islands at the site referenced above (Figures 1 and 2). The purpose of this investigation was to (1) determine whether soils beneath the product lines and dispensers had been impacted with petroleum hydrocarbons and (2) comply with Tri-Regional LUFT and local regulatory agency guidelines which require documentation of environmental assessments. This letter includes a brief discussion of the scope of work, findings, and conclusions.

#### SCOPE OF WORK

To document soil conditions beneath the product lines and dispensers at the site, PACIFIC performed soil sampling activities on September 21, 1995. One soil sample was collected approximately every 20 linear feet below the product lines (designated TR-A-2, TR-A-3, and TR-A-8 through TR-A-13), and beneath the product dispensers at the single island (designated TR-A-4, TR-A-6, TR-A-14, and TR-A-15) at a depth of approximately 3 feet. Soil sample locations are shown on Figure 2. All soil sample locations were approved by Ms. Susan Hugo of the Alameda County Health Care Services Agency.

All soil samples collected were submitted to Sequoia Analytical and analyzed for total purgeable petroleum hydrocarbons calculated as gasoline (TPPH-g), benzene, toluene, ethylbenzene, and xylenes (BTEX compounds). Additionally, soil Sample TR-A-1 was

also analyzed for total lead at the request of Ms. Hugo. Field and laboratory procedures are presented as Attachment A. Certified analytical reports, chain-of-custody documentation, and field data sheets are presented as Attachment B.

## **FINDINGS**

### **Product Line and Product Dispenser Removal**

Two islands with two product dispensers each and the associated underground product lines were excavated and removed from the site on September 21, 1995. During the excavation, single-walled fiberglass product lines were removed from each section of trench. Approximately 105 feet of trench with product lines were excavated and removed by American Construction Company (American) of Livermore, California. Prior to their removal, the exposed product lines were observed by Ms. Hugo.

Beneath the product lines, TPH-g was detected at concentrations ranging between 1.9 and 65 parts per million (ppm); benzene was detected only in soil Sample TR-A-13 at 0.30 ppm. Total lead was detected in soil Sample TR-A-1 at a concentration of 15 ppm.

Beneath the product dispensers, TPH-g was detected at concentrations ranging between 19 and 140 ppm; benzene was detected only in two soil samples at 2.1 ppm (TR-A-14) and 0.0089 ppm (TR-A-15). Soil analytical results are presented in Table 1.

### **Excavation Backfill**

The excavation of the former product lines and dispensers were backfilled and compacted with stockpiled soils. After excavation and installation of the new product lines and dispenser islands, these excavation areas were backfilled with pea gravel.

The new underground product lines and dispenser island were installed by American. The newly installed product lines are constructed of double-walled fiberglass, and will be connected to the existing underground fuel storage tanks.

## **CONCLUSIONS**

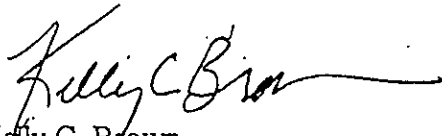
The purpose of this investigation was to document the condition of soil beneath the former product lines and dispenser islands. Based on the findings of this investigation, TPH-g was detected beneath the product lines at areas primarily adjacent to the product dispenser islands, at concentrations ranging between 1.9 and 65 ppm; benzene was detected in only one location at 0.30 ppm. Total lead was detected adjacent the northern product dispenser island at a concentration of 15 ppm. Beneath the product dispensers, TPH-g was detected at concentrations ranging between 19 and 140 ppm; benzene was detected at 2.1 and 0.0089 ppm. Therefore, analytical results indicate that the highest petroleum hydrocarbon concentrations, noted during this investigation, were beneath

and/or adjacent the product dispensers. The product lines away from the product dispenser islands appear not to have been impacted with petroleum hydrocarbons.

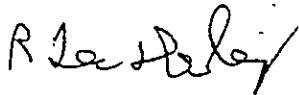
If you have any questions, please call.

Sincerely,

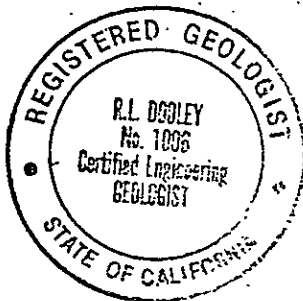
Pacific Environmental Group, Inc.



Kelly C. Brown  
Project Manager



R. Lee Dooley  
Senior Geologist  
CEG 1006



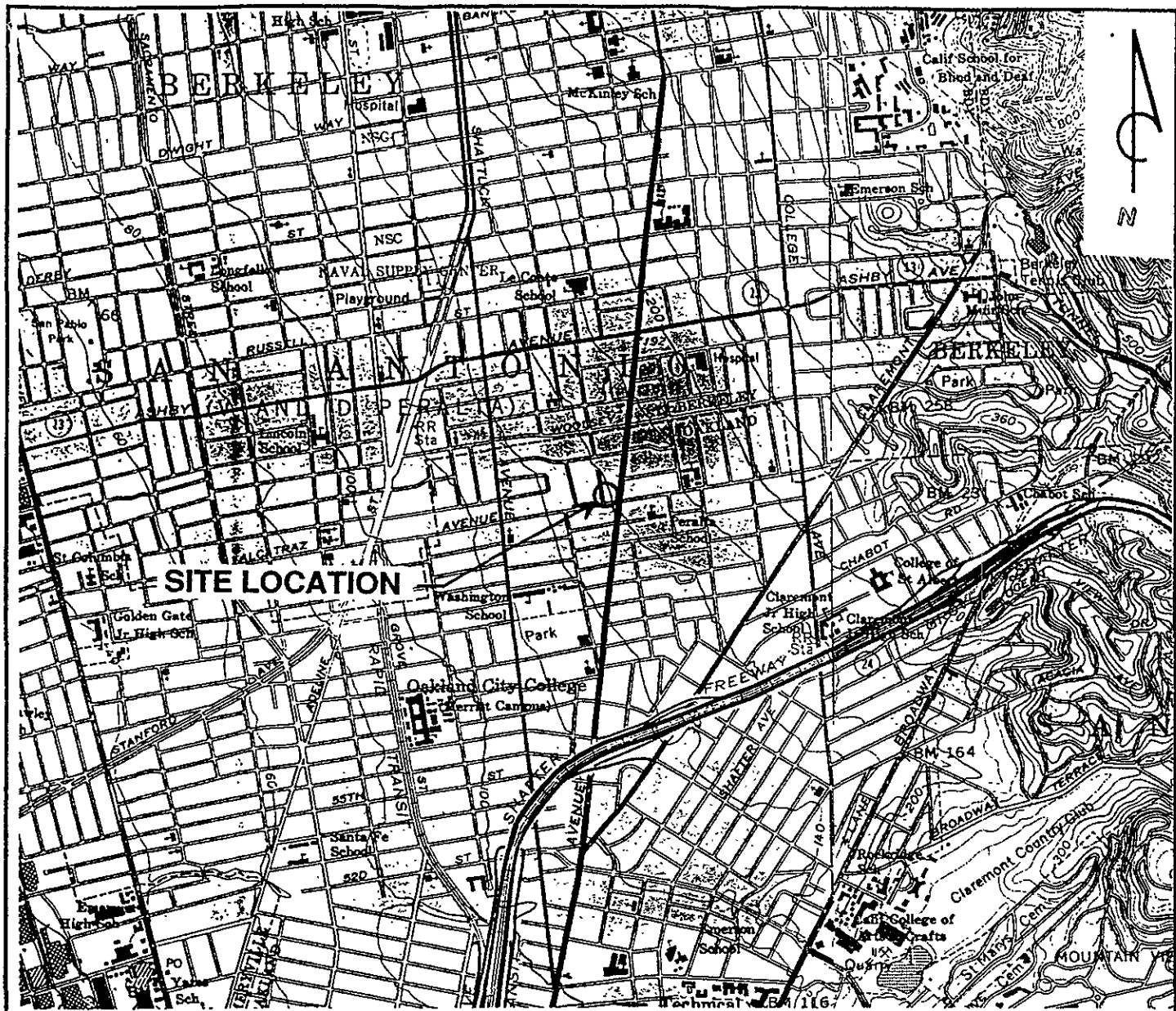
- Attachments: Table 1 - Soil Analytical Data - Product Line and Product Dispenser Excavations, Total Purgeable Petroleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, and Total Lead)  
Figure 1 - Site Location Map  
Figure 2 - Site Map  
Attachment A - Field and Laboratory Procedures  
Attachment B - Certified Analytical Reports, Chain-of-Custody Documentation, and Field Data Sheets

cc: Ms. Susan Hugo, Alameda County Health Care Services Agency  
Mr. Kevin Graves, Regional Water Quality Control Board - S.F. Bay Region

Table 1  
**Soil Analytical Data**  
**Product Line and Dispenser Excavation**  
 Total Purgeable Petroleum Hydrocarbons  
 (TPPH as Gasoline, BTEX Compounds, and Total Lead)

ARCO Service Station 0374  
 6407 Telegraph Avenue at Alcatraz Avenue  
 Oakland, California

Sample ID	Date Sampled	Sample Depth (feet)	TPPH as Gasoline (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Xylenes (ppm)	Total Lead (ppm)
<b>Product Lines</b>								
TR-A-1	9/21/95	3	NA	NA	NA	NA	NA	15
TR-A-2	9/21/95	3	<1	<0.0050	<0.0050	<0.0050	<0.0050	NA
TR-A-3	9/21/95	3	<1	<0.0050	<0.0050	<0.0050	<0.0050	NA
TR-A-8	9/21/95	3	65	<0.025	0.15	0.096	6.7	NA
TR-A-9	9/21/95	3	<1	<0.0050	<0.0050	<0.0050	<0.0050	NA
TR-A-10	9/21/95	3	<1	<0.0050	<0.0050	<0.0050	<0.0050	NA
TR-A-11	9/21/95	3	1.9	<0.0050	<0.0050	0.0050	<0.0050	NA
TR-A-12	9/21/95	3	6.2	<0.0050	<0.0050	0.0067	<0.0050	NA
TR-A-13	9/21/95	3	48	0.30	2.2	0.53	3.6	NA
<b>Product Dispensers</b>								
TR-A-4	9/21/95	3	<1	<0.0050	<0.0050	<0.0050	<0.0050	NA
TR-A-6	9/21/95	3	140	<0.50	1.1	0.80	1.5	NA
TR-A-14	9/21/95	3	89	2.1	8.5	1.7	9.4	NA
TR-A-15	9/21/95	3	19	0.0089	0.37	0.045	1.9	NA
ppm = Parts per million NA = Not analyzed < = Indicates the concentration is below the detection limit.								

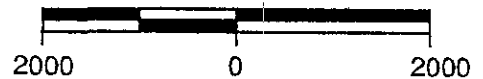


QUADRANGLE  
LOCATION

**REFERENCES:**

USGS 7.5 MIN. TOPOGRAPHIC MAP  
 TITLED: OAKLAND WEST, CALIFORNIA  
 DATED: 1959 REVISED: 1980  
 TITLED: OAKLAND EAST, CALIFORNIA  
 DATED: 1959 REVISED: 1980

SCALE IN FEET

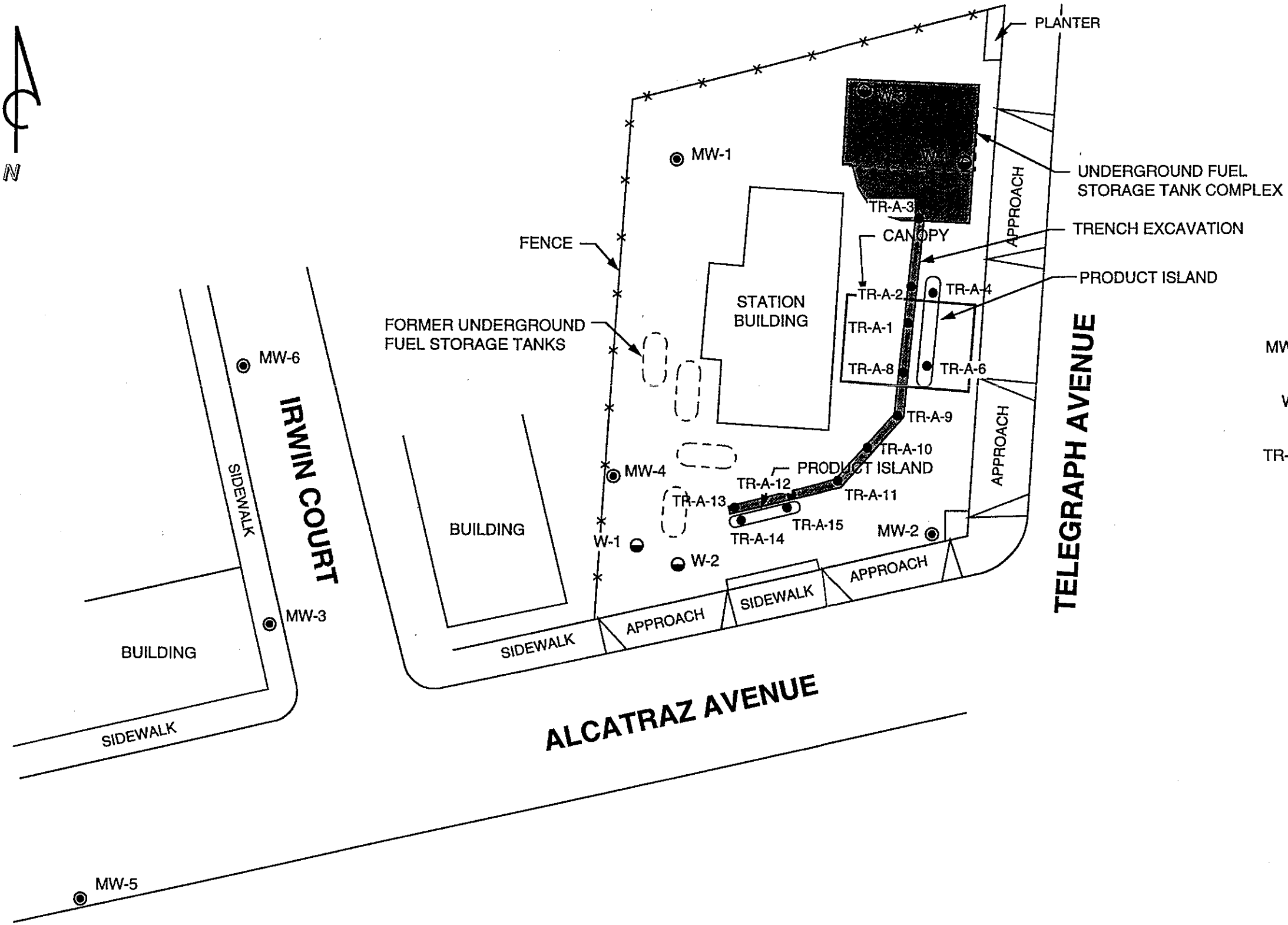


PACIFIC  
ENVIRONMENTAL  
GROUP, INC.

**ARCO SERVICE STATION 0374**  
 6407 Telegraph Avenue at Alcatraz Avenue  
 Oakland, California

**SITE LOCATION MAP**

FIGURE:  
**1**  
PROJECT:  
330-084.1B

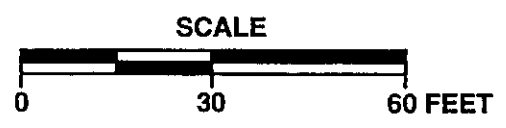


**LEGEND**

- MW-1 ● GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- W-1 ● TANK PIT GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- TR-A-3 ● SOIL SAMPLE LOCATION AND DESIGNATION



PACIFIC ENVIRONMENTAL GROUP, INC.



ARCO SERVICE STATION 0374  
6407 Telegraph Avenue at Alcatraz Avenue  
Oakland, California

SITE MAP

FIGURE:  
**2**  
PROJECT:  
330-084.1B

**ATTACHMENT A**  
**FIELD AND LABORATORY PROCEDURES**

## ATTACHMENT A

### FIELD AND LABORATORY PROCEDURES

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#### **Soil Sampling**

Product line and product dispenser soil samples were collected by advancing 2-inch diameter brass sample liners approximately 1 foot into undisturbed soil exposed by a backhoe bucket. Stockpile-soil samples were collected by advancing 2-inch diameter brass sample liners approximately 1 foot into the excavation soil stockpile. Soil samples for chemical analysis were retained in the brass liners, labeled, and capped with Teflon® sheets and plastic end caps. The samples were then placed in sealed plastic bags, placed on ice, and transported to the laboratory under chain-of-custody protocol.

#### **Laboratory Procedure**

Analyses for total petroleum hydrocarbons calculated as gasoline, benzene, toluene, ethylbenzene, and xylenes were performed by EPA Methods 8015 (Modified) and 8020 on all soil samples. Analysis for total lead was performed according to EPA Method 7421. Additional information on laboratory analytical procedures used is included in the laboratory reports presented as Attachment B. All analyses were performed by Sequoia Analytical.



**ATTACHMENT B**

**CERTIFIED ANALYTICAL REPORTS,  
CHAIN-OF-CUSTODY DOCUMENTATION,  
AND FIELD DATA SHEETS**

**ATTACHMENT B**

**CERTIFIED ANALYTICAL REPORTS,  
CHAIN-OF-CUSTODY DOCUMENTATION,  
AND FIELD DATA SHEETS**



**Sequoia Analytical**

680 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8

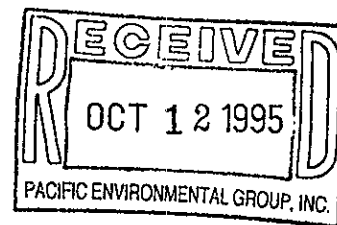
Redwood City, CA 94063  
Walnut Creek, CA 94598  
Sacramento, CA 95834

(415) 364-9600  
(510) 988-9600  
(916) 921-9600

FAX (415) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110  
Attention: Maree Doden

Project: 330-084.1B/0374, Oakland



Enclosed are the results from samples received at Sequoia Analytical on September 22, 1995.  
The requested analyses are listed below:

<u>SAMPLE #</u>	<u>SAMPLE DESCRIPTION</u>	<u>DATE COLLECTED</u>	<u>TEST METHOD</u>
9509G22 -01	SOLID, TR-A-1	09/21/95	Lead
9509G22 -02	SOLID, TR-A-2	09/21/95	TPHGBS Purgeable TPH/BTEX
9509G22 -03	SOLID, TR-A-3	09/21/95	TPHGBS Purgeable TPH/BTEX
9509G22 -04	SOLID, TR-A-4	09/21/95	TPHGBS Purgeable TPH/BTEX
9509G22 -05	SOLID, TR-A-6	09/21/95	TPHGBS Purgeable TPH/BTEX
9509G22 -06	SOLID, TR-A-8	09/21/95	TPHGBS Purgeable TPH/BTEX
9509G22 -07	SOLID, TR-A-9	09/21/95	TPHGBS Purgeable TPH/BTEX
9509G22 -08	SOLID, TR-A-10	09/21/95	TPHGBS Purgeable TPH/BTEX
9509G22 -09	SOLID, TR-A-11	09/21/95	TPHGBS Purgeable TPH/BTEX
9509G22 -10	SOLID, TR-A-12	09/21/95	TPHGBS Purgeable TPH/BTEX
9509G22 -11	SOLID, TR-A-13	09/21/95	TPHGBS Purgeable TPH/BTEX
9509G22 -12	SOLID, TR-A-14	09/21/95	TPHGBS Purgeable TPH/BTEX
9509G22 -13	SOLID, TR-A-15	09/21/95	TPHGBS Purgeable TPH/BTEX

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

**SEQUOIA ANALYTICAL**

Bruce Fletcher  
Project Manager

Quality Assurance Department





Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110

Client Proj. ID: 330-084.1B/0374, Oakland

Lab Proj. ID: 9509G22

Sampled: 09/21/95

Received: 09/22/95

Analyzed: see below

Attention: Maree Doden

Reported: 10/11/95

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
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Lab No: 9509G22-01  
Sample Desc : SOLID,TR-A-1

Lead	mg/Kg	10/11/95	5.0	15
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Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Brucie Fletcher  
Project Manager





Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110	Client Proj. ID: 330-084.1B/0374, Oakland Sample Descript: TR-A-2 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9509G22-02	Sampled: 09/21/95 Received: 09/22/95 Extracted: 09/28/95 Analyzed: 09/28/95 Reported: 10/11/95
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QC Batch Number: GC092895BTEXEXB  
Instrument ID: GCHP01

### Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	96

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Brucie Fletcher  
Project Manager





Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110

Client Proj. ID: 330-084.1B/0374, Oakland  
Sample Descript: TR-A-3  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9509G22-03

Sampled: 09/21/95  
Received: 09/22/95  
Extracted: 09/28/95  
Analyzed: 09/28/95  
Reported: 10/11/95

Attention: Maree Doden

QC Batch Number: GC092895BTEXEXB  
Instrument ID: GCHP01

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	94

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Bruce Fletcher  
Project Manager





Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110

Client Proj. ID: 330-084.1B/0374, Oakland  
Sample Descript: TR-A-4  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9509G22-04

Sampled: 09/21/95  
Received: 09/22/95  
Extracted: 09/28/95  
Analyzed: 09/28/95  
Reported: 10/11/95

Attention: Maree Doden

QC Batch Number: GC092895BTEXEXB  
Instrument ID: GCHP01

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	91

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Brucie Fletcher  
Project Manager





Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110

Client Proj. ID: 330-084.1B/0374, Oakland  
Sample Descript: TR-A-6  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9509G22-05

Sampled: 09/21/95  
Received: 09/22/95  
Extracted: 09/30/95  
Analyzed: 10/01/95  
Reported: 10/11/95

Attention: Maree Doden

QC Batch Number: GC092895BTEXEXB  
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	100	140
Benzene	0.50	N.D.
Toluene	0.50	1.1
Ethyl Benzene	0.50	0.80
Xylenes (Total)	0.50	1.5
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	134 Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Brucie Fletcher  
Project Manager







Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110

Client Proj. ID: 330-084.1B/0374, Oakland  
Sample Descript: TR-A-8  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9509G22-06

Sampled: 09/21/95  
Received: 09/22/95  
Extracted: 09/28/95  
Analyzed: 09/29/95  
Reported: 10/11/95

QC Batch Number: GC092895BTEXEXB  
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	5.0	65
Benzene	0.025	N.D.
Toluene	0.025	0.15
Ethyl Benzene	0.025	0.096
Xylenes (Total)	0.025	6.7
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	103

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Bruce Fletcher  
Project Manager





Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110

Client Proj. ID: 330-084.1B/0374, Oakland  
Sample Descript: TR-A-9  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9509G22-07

Sampled: 09/21/95  
Received: 09/22/95  
Extracted: 09/28/95  
Analyzed: 09/28/95  
Reported: 10/11/95

Attention: Marea Doden

QC Batch Number: GC092895BTEXEXB  
Instrument ID: GCHP01

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	79

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Brucie Fletcher  
Project Manager





Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110

Client Proj. ID: 330-084.1B/0374, Oakland  
Sample Descript: TR-A-10  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9509G22-08

Sampled: 09/21/95  
Received: 09/22/95  
Extracted: 09/28/95  
Analyzed: 09/28/95  
Reported: 10/11/95

Attention: Maree Doden

QC Batch Number: GC092895BTEXEXB  
Instrument ID: GCHP01

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	90

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Bruce Fletcher  
Project Manager





Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110	Client Proj. ID: 330-084.1B/0374, Oakland Sample Descript: TR-A-11 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9509G22-09	Sampled: 09/21/95 Received: 09/22/95 Extracted: 09/28/95 Analyzed: 09/28/95 Reported: 10/11/95
Attention: Maree Doden		

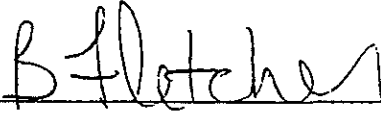
QC Batch Number: GC092895BTEXEXB  
Instrument ID: GCHP01

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	1.9
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	0.0050
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern: Weathered Gas		C6-C12
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70                      130	92

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

  
\_\_\_\_\_  
Brucie Fletcher  
Project Manager





Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110

Client Proj. ID: 330-084.1B/0374, Oakland  
Sample Descript: TR-A-12  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9509G22-10

Sampled: 09/21/95  
Received: 09/22/95  
Extracted: 09/28/95  
Analyzed: 09/28/95  
Reported: 10/11/95

Attention: Marea Doden

GC Batch Number: GC092895BTEXEXB  
Instrument ID: GCHP01

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	6.2
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	0.0067
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern: Weathered Gas		C6-C12
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	82

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Bruce Fletcher  
Project Manager





Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110	Client Proj. ID: 330-084.1B/0374, Oakland Sample Descript: TR-A-13 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9509G22-11	Sampled: 09/21/95 Received: 09/22/95 Extracted: 09/28/95 Analyzed: 09/29/95 Reported: 10/11/95
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QC Batch Number: GC092895BTEXEXB  
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	20	48
Benzene	0.10	0.30
Toluene	0.10	2.2
Ethyl Benzene	0.10	0.53
Xylenes (Total)	0.10	3.6
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	142 Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Bruce Fletcher  
Project Manager





Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110	Client Proj. ID: 330-084.1B/0374, Oakland Sample Descript: TR-A-14 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9509G22-12	Sampled: 09/21/95 Received: 09/22/95 Extracted: 09/28/95 Analyzed: 09/29/95 Reported: 10/11/95
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QC Batch Number: GC092895BTEXEXB  
Instrument ID: GCHP18

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

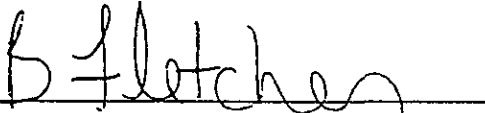
Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	10	89
Benzene	0.050	2.1
Toluene	0.050	8.5
Ethyl Benzene	0.050	1.7
Xylenes (Total)	0.050	9.4
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	110

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

  
 Bruce Fletcher  
 Project Manager





Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110

Client Proj. ID: 330-084.1B/0374, Oakland  
Sample Descript: TR-A-15  
Matrix: SOLID  
Analysis Method: 8015Mod/8020  
Lab Number: 9509G22-13

Sampled: 09/21/95  
Received: 09/22/95  
Extracted: 09/28/95  
Analyzed: 09/28/95  
Reported: 10/11/95

Attention: Marea Doden

QC Batch Number: GC092895BTEXEXB  
Instrument ID: GCHP01

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	19
Benzene	0.0050	0.0089
Toluene	0.0050	0.37
Ethyl Benzene	0.0050	0.045
Xylenes (Total)	0.0050	1.9
Chromatogram Pattern: Weathered Gas		C7-C12
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	98

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Bruce Fletcher  
Project Manager







Sequoia  
Analytical

680 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8

Redwood City, CA 94063  
Walnut Creek, CA 94598  
Sacramento, CA 95834

(415) 364-9600  
(510) 988-9600  
(916) 921-9600

FAX (415) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110  
Attention: Maree Doden

Client Proj. ID: 330-084.1B/0374, Oakland

Received: 09/22/95

Lab Proj. ID: 9509G22

Reported: 10/11/95

## LABORATORY NARRATIVE

Please note:

Q: Co-elution confirmed.

SEQUOIA ANALYTICAL

Bruce Fletcher  
Project Manager





Pacific Environmental Group Client Project ID: 330-084.1B/0374, Oakland  
2025 Gateway Place, Suite 440 Matrix: SOLID  
San Jose, CA 95110  
Attention: Maree Doden Work Order #: 9509G22 01-13 Reported: Oct 11, 1995

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC092895BTEXEXB	GC092895BTEXEXB	GC092895BTEXEXB	GC092895BTEXEXB
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	G. Garcia	G. Garcia	G. Garcia	G. Garcia
MS/MSD #:	9509D6312	9509D6312	9509D6312	9509D6312
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/28/95	9/28/95	9/28/95	9/28/95
Analyzed Date:	9/28/95	9/28/95	9/28/95	9/28/95
Instrument I.D.#:	GCHP1	GCHP1	GCHP1	GCHP1
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg
Result:	0.16	0.16	0.16	0.48
MS % Recovery:	80	80	80	80
Dup. Result:	0.16	0.16	0.16	0.48
MSD % Recov.:	80	80	80	80
RPD:	0.0	0.0	0.0	0.0
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:

Prepared Date:  
Analyzed Date:  
Instrument I.D.#:  
Conc. Spiked:

LCS Result:  
LCS % Recov.:

MS/MSD LCS Control Limits	55-145	47-149	47-155	56-140
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Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL

*B Fletcher*  
Brucie Fletcher  
Project Manager

\*\* MS= Matrix Spike, MSD= MS Duplicate, RPD= Relative % Difference





Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110

Client Project ID: 330-084.1B/0374, Oakland  
Matrix: SOLID

Attention: Maree Doden

Work Order #: 9509G22- 01

Reported: Oct 11, 1995

**QUALITY CONTROL DATA REPORT**

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME1011955010MDE	ME1011955010MDE	ME1011955010MDE	ME1011955010MDE
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3050	EPA 3050	EPA 3050	EPA 3050

Analyst:	S. O'Donnell	S. O'Donnell	S. O'Donnell	S. O'Donnell
MS/MSD #:	9509G2201	9509G2201	9509G2201	9509G2201
Sample Conc.:	0.59	N.D.	43	36
Prepared Date:	10/11/95	10/11/95	10/11/95	10/11/95
Analyzed Date:	10/11/95	10/11/95	10/11/95	10/11/95
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	100 mg/Kg	100 mg/Kg	100 mg/Kg	100 mg/Kg
Result:	100	95	140	140
MS % Recovery:	99	95	97	104
Dup. Result:	100	95	130	130
MSD % Recov.:	99	95	87	94
RPD:	0.0	0.0	7.4	7.4
RPD Limit:	0-30	0-30	0-30	0-30

LCS #:	BLK101195	BLK101195	BLK101195	BLK101195
Prepared Date:	10/11/95	10/11/95	10/11/95	10/11/95
Analyzed Date:	10/11/95	10/11/95	10/11/95	10/11/95
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	100 mg/Kg	100 mg/Kg	100 mg/Kg	100 mg/Kg
LCS Result:	110	100	110	100
LCS % Recov.:	110	100	110	100

MS/MSD				
LCS	75-125	75-125	75-125	75-125
Control Limits				

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

**Please Note:**

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

**SEQUOIA ANALYTICAL**

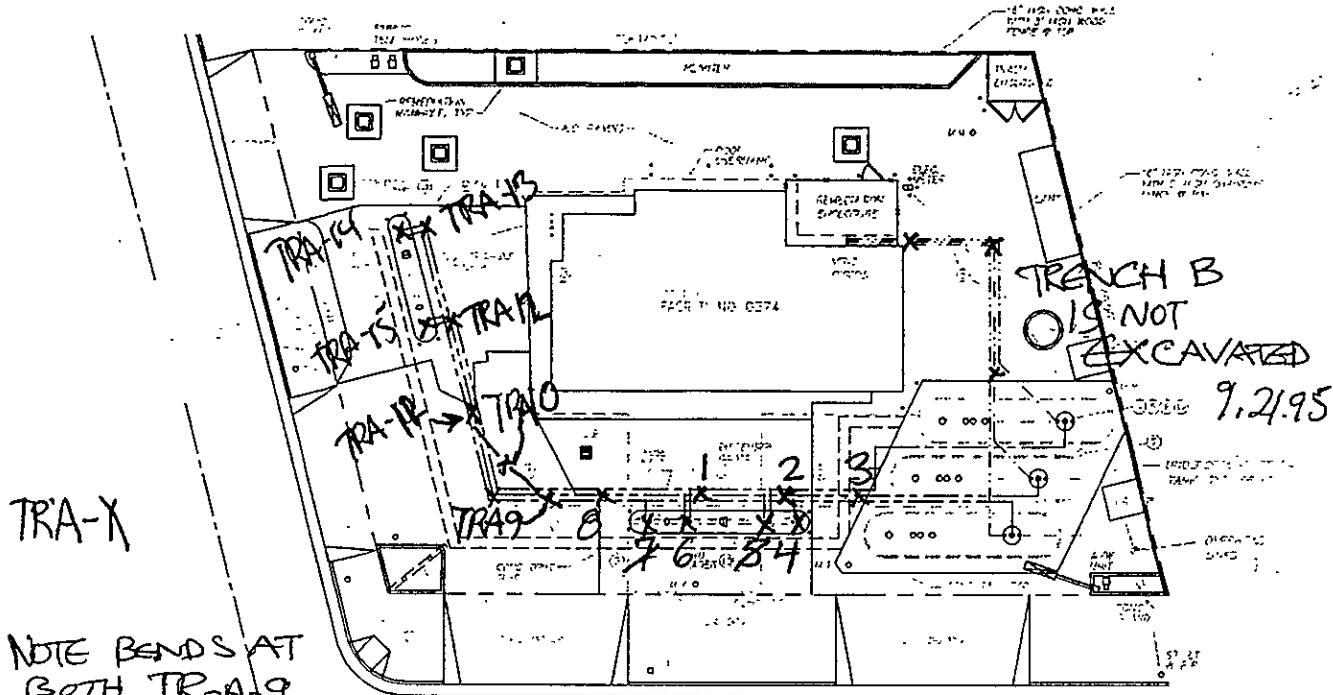
*B Fletcher*

Brucie Fletcher  
Project Manager

\*\* MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

9509G22.PPP <2>





TRA-X  
 NOTE BENDS AT BOTH TR-A-9 AND TR-A-11

**SITE PLAN**

SCALE: 1" = 10'-0"

SAMPLE DESIGNATION FOR TRENCH A = TR-A-#

SEE ACCOMPANYING MAP.

X = soil sample location

**Piping Notes**

- ALL REWORKS ARE EXISTING AND TO REMAIN UNLESS OTHERWISE NOTED.
- EXISTING PIPING SHALL BE REWORKED TO MEET THE FOLLOWING:
  - 1. ALL PIPING SHALL BE 1/2" MINIMUM WALL THICKNESS.
  - 2. ALL PIPING SHALL BE 1/2" MINIMUM WALL THICKNESS.
  - 3. ALL PIPING SHALL BE 1/2" MINIMUM WALL THICKNESS.
- CONTRACTOR IS TO PROVIDE A PUMP AND FILTER SYSTEM TO MAINTAIN THE TANK DRAINAGE SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF THE PUMP AND FILTER SYSTEM.
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**Plan Notes**


- REMOVE EXISTING PIPING AND INSTALL NEW PIPING AS SHOWN ON THIS PLAN.
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**Piping Schedule**

FROM: 1" - 1/2"	TO: 1" - 1/2"
TYPE: 304 SS	TYPE: 304 SS
WALL THICKNESS: 1/2"	WALL THICKNESS: 1/2"
PIPE SIZE: 1/2"	PIPE SIZE: 1/2"
FLANGE: 1/2"	FLANGE: 1/2"
FLANGE: 1/2"	FLANGE: 1/2"

DATE	REVISIONS
08/08/95	0374
08/08/95	0374
08/08/95	0374

**PRELIMINARY**  
 NOT FOR CONSTRUCTION

  
**ARCO Products Company**  
 A Division of ARCO Chemical Company  
**Retail Marketing Design & Engineering**  
 1055 West Seventh St.  
 P.O. Box 2570, Los Angeles, CA 90051-0570

**Petroleum Piping Replacement**  
 6407 Telegraph Avenue @ Alcatraz Avenue  
 Oakland, California  
 94612  
 Site Plan

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: PEG/ARCO  
 REC. BY (PRINT): TONY McMAHON

WORKORDER: 9509 222  
 DATE OF LOG-IN: 9/26/95

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS: CONDITION(ETC.)
1. Custody Seal(s)	Present / <u>Absent</u> Intact / Broken*	1	a	TKA-1	BRAND OFF	SOIL	9/21/95	
2. Custody Seal Nos.:	Put in Remarks Section	2	}	TRA-2	↓	↓	↓	
3. Chain-of-Custody Records:	<u>Present</u> / Absent*	3		TRA-3				
4. Traffic Reports or Packing List:	Present / <u>Absent</u>	4		TRA-4				
5. Airbill:	Airbill / Sticker	5		TRA-6				
	Present / <u>Absent</u>	6		TRA-8				
6. Airbill No.:		7		TRA-9				
7. Sample Tags:	<u>Present</u> / Absent*	8		TRA-10				
Sample Tag Nos.:	<u>Listed</u> / Not Listed on Chain-of-Custody	9		TRA-11				
8. Sample Condition:	<u>Intact</u> Broken* / Leaking*	10		TRA-12				
9. Does information on custody reports, traffic reports and sample tags agree?	<u>Yes</u> / No*	11		TRA-13				
10. Proper preservatives used:	<u>Yes</u> / No*	12		TRA-14				
11. Date Rec. at Lab:	<u>9-22-95</u>	13		TRA-15				
12. Temp. Rec. at Lab:	<u>10°C</u>							
13. Time Rec. at Lab:	<u>12:24</u>							

*Sample OK  
9-22-95*

\* If Circled, contact Project manager and attach record of resolution

ARCO Facility no. <b>0374</b>	City (Facility) <b>OAKLAND</b>	Project manager (Consultant) <b>KELLY BROWN</b>	Laboratory name <b>SEQ004</b>
ARCO engineer <b>MIKE WELAN</b>	Telephone no. (ARCO)	Telephone no. (Consultant) <b>(408)441-7500</b>	Contract number
Consultant name <b>PACIFIC ENVIRONMENTAL GROUP</b>		Fax no. (Consultant) <b>441-7539</b>	
Address (Consultant) <b>2025 GATEWAY PL. STE 440 SAN JOSE</b>			

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX EPA 802/EPA 8020	BTEX/TPH EPA 8020/8020/8015	TPH Modified 8015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/>	Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/>	TPH EPA 418.1/SM503E	EPA 601/8010	EPA 624/8240	EPA 625/8270	TCLP Metals Semi Metals <input type="checkbox"/> VOA <input type="checkbox"/>	CMM Metals EPA 601/7000 TLC <input type="checkbox"/> STLC <input type="checkbox"/>	Lead Org./OHS Lead EPA 7420/7421/7422			
			Soil	Water	Other	Ice	Acid																
TRA-1		1	X			X	NP	9.21.95	1125												X		1
TRA-2									1130		X												2
TRA-3									1145														3
TRA-4									1205														4
TRA-6									1215														5
TRA-8									1120														6
TRA-9									1115														7
TRA-10									1225														8
TRA-11									1235														9
TRA-12									1240														10
TRA-13									1245														11
TRA-14									1300														12
TRA-15									1305														12

Method of shipment
Special detection Limit/reporting
Special QA/QC
Remarks
Lab number <b>9509622</b>
Turnaround time
Priority Rush 1 Business Day <input type="checkbox"/>
Rush 2 Business Days <input type="checkbox"/>
Expedited 5 Business Days <input type="checkbox"/>
Standard 10 Business Days <input checked="" type="checkbox"/>

Condition of sample:				Temperature received:			
Relinquished by sampler <b>John Maddox</b>	Date <b>9.21.95</b>	Time <b>1425</b>	Received by <b>M. D. Dodd</b>	Date <b>9/21/95</b>	Time <b>1425</b>	Received by <b>SR</b>	Date <b>9-22-95</b>
Relinquished by <b>M. D. Dodd</b>	Date <b>9/22/95</b>	Time <b>11:15 A</b>	Received by <b>SR</b>	Date <b>9-22-95</b>	Time <b>11:15</b>	Received by laboratory <b>Tony McMaher</b>	Date <b>9-22-95</b>
Relinquished by <b>SR</b>	Date <b>9/22/95</b>	Time <b>12:00</b>	Received by laboratory <b>Tony McMaher</b>	Date <b>9-22-95</b>	Time <b>12:25</b>		

SITE INFORMATION FORM

21

Identification

Project Type

Project # 330-084.1B  
 Station # 374  
 Site Address: 6407 Telegraph Ave  
Oakland  
 County: Alameda  
 Project Manager: K. Brown  
 Requestor: K. Brown  
 Client: ARCO

1st Time Visit

Quarterly

<input type="checkbox"/> 1st	<input type="checkbox"/> 2nd	<input type="checkbox"/> Initials	<input type="checkbox"/> Date
<input type="checkbox"/> Monthly		<u>RI</u>	<u>9-21-95</u>
<input type="checkbox"/> Semi-Monthly			<u>↓</u>
<input type="checkbox"/> Weekly		<u>Copy/Dist.</u>	<u>↓</u>

One time event  
*Possibly daily*

Other: reactive sampling

Client P.O.C.: MIKE W.  
 Date of Request 9/16/95  
 Ideal field date(s): 9/15/95 9.21.95  
on-site @ 7:30 am  
10:30

Check Appropriate Category

Budget Hrs. 10 hrs.  
 Actual Hrs. 11.0  
 Mob de Mob \_\_\_\_\_

Field Tasks: For General Description

0.5 Mob 9.14.95 1.0 9.20.95  
 8.0 9.15.95 6.5 9.21.95

circle one:

Priority: 1. (emergency, must be done within 24 hrs); 2. (next visit); 3. (when available)

- 1). Perform soil sampling during product line re-  
 placement activities = SEE MAP  
 - collect one soil sample every 20' interval at 4 @  
 bands beneath product lines  
 - collect one soil sample beneath each re-  
 - segregate clean & dirty soils into separate containers  
 - sample each tank pile

2). Perform stock pile reaction services - SEE MAP

Contractors: American Construction: Rick Hansen, 510-447-2434

NO OVER EXCAVATION

Comments, remarks, etc. from Field Staff (include problems encountered and out-of-scope work)

1. REDUCED NUMBER OF SAMPLES AT PRODUCT PUMPS AND TRENCH PER COUNTY-SEE INSPECTOR COMMENTS ATTACHED. GRAVEL AND SAND ONLY REMOVED FROM TRENCH/TANK AREAS-NO SPOILS SOIL.  
 - TRENCH DETAILED ON ORIGINAL MAP (ARCO) FROM NORTH END OF STATION TO TANK PIT IS NOT EXCAVATED  
 - TOTAL LEAD SOIL SAMPLE TAKEN AT INSPECTOR'S REQUEST.

Samples taken  Samples not required  Soil Vapor  Groundwater  
 Weekly  Semi-Monthly  Monthly  Quarterly  Semi-Annual

Completed by: Jean M. [unclear] Date: 9.21.95  
 Checked by: \_\_\_\_\_

PACIFIC ENVIRONMENTAL GROUP, INC.

white - env. health  
 yellow - facility  
 pink - files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH  
 Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy.  
 Suite 250  
 Alameda, CA 94502-6577  
 (510) 567-6700

II, III

Site ID # 388 Site Name ALCO Today's Date 9/21/98

II.A BUSINESS PLANS (Title 19)

- 1. Immediate Reporting 2703
- 2. Bus. Plan Stds. 25503(b)
- 3. RR Cars > 30 days 25503.7
- 4. Inventory Information 25504(a)
- 5. Inventory Complete 2730
- 6. Emergency Response 25504(b)
- 7. Training 25504(c)
- 8. Deficiency 25505(a)
- 9. Modification 25505(b)

Site Address 26407 Telegraph  
 City Oakland Zip 94605 Phone \_\_\_\_\_

MAX AMT stored: > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

II.B ACUTELY HAZ. MATLS

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25534(c)
- 13. Implement Sch. Req'd? (Y/N) \_\_\_\_\_
- 14. OffSite Conseq. Assess 25524(c)
- 15. Probable Risk Assessment 25534(d)
- 16. Persons Responsible 25534(g)
- 17. Certification 25534(i)
- 18. Exemption Request? (Y/N) 25536(b)
- 19. Trade Secret Requested? 25538

\* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

III. UNDERGROUND TANKS (Title 23)

- |  |  |
|--|--|
| General  | <input type="checkbox"/> 1. Permit Application 25284 (H&S)                                 |
|  | <input type="checkbox"/> 2. Pipeline Leak Detection 25292 (H&S)                            |
|  | <input type="checkbox"/> 3. Records Maintenance 2712                                       |
|  | <input type="checkbox"/> 4. Release Report 2651  |
|  | <input type="checkbox"/> 5. Closure Plans 2670   |
| Monitoring for Existing Tanks                        | <input type="checkbox"/> 6. Method   |
|  | 1) Monthly Test  |
|  | 2) Daily Vadose<br>Semi-annual groundwater<br>One time soils                               |
|  | 3) Daily Vadose<br>One time soils<br>Annual tank test                                      |
|  | 4) Monthly Groundwater<br>One time soils   |
|  | 5) Daily Inventory<br>Annual tank testing<br>Cont pipe leak det<br>Vadose/groundwater mon. |
|  | 6) Daily Inventory<br>Annual tank testing<br>Cont pipe leak det                            |
|  | 7) Weekly Tank Gauge<br>Annual tank testing  |
|  | 8) Annual Tank Testing<br>Daily Inventory  |
|  | 9) Other _____   |
| New Tanks  | <input type="checkbox"/> 7. Precs Tank Test Date: 2643                                     |
|  | <input type="checkbox"/> 8. Inventory Rec. 2644  |
|  | <input type="checkbox"/> 9. Soil Testing 2646  |
|  | <input type="checkbox"/> 10. Ground Water. 2647  |
| <input type="checkbox"/> 11. Monitor Plan 2632       |  |
| <input type="checkbox"/> 12. Access. Secure 2634     |  |
| <input type="checkbox"/> 13. Plans Submit Date: 2711 |  |
| <input type="checkbox"/> 14. As Built Date: 2635     |  |

Comments:

On site by samples related to the removal of mobile oil of 11 individual Tank Regs. - Pacific Environmental Group - conducted samples for site.

Sample to confirm to Trench and gutter - 12" every 20 lined feet - in nature soil taken possible 450 mg analyzed for TPH - 5 BTEX and 1 sample total lead (Pb) & background observations - some scales were stained - slight hydrocarbon odor noted.

x detected identified in 2 areas - 1st area (at south end of North east island)

Contact: John Kellor  
 Title: OTM TECHNICIAN  
 Signature: \_\_\_\_\_

Inspector: Brian Oliva  
 Signature: BRIAN OLIVA

II, III



white -env.health  
 yellow -facility  
 pink -files

# ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy.  
 Suite 250  
 Alameda, CA 94502-6577  
 (510) 567-6700

## Hazardous Materials Inspection Form

II, III

Page 2

Site ID # 3884 Site Name \_\_\_\_\_ Today's Date 7/21/97

### II.A BUSINESS PLANS (Title 19)

- \_\_\_ 1. Immediate Reporting 2703
- \_\_\_ 2. Bus Plan Sids. 25503(b)
- \_\_\_ 3. RR Cars > 30 days 25503 7
- \_\_\_ 4. Inventory Information 25504(a)
- \_\_\_ 5. Inventory Complete 2730
- \_\_\_ 6. Emergency Response 25504(b)
- \_\_\_ 7. Training 25504(c)
- \_\_\_ 8. Deficiency 25505(a)
- \_\_\_ 9. Modification 25505(b)

### II.B ACUTELY HAZ MAT'LS

- \_\_\_ 10. Registration Form Filed 25533(a)
- \_\_\_ 11. Form Complete 25533(b)
- \_\_\_ 12. RMPP Contents 25534(c)
- \_\_\_ 13. Implement Sch. Req'd? (Y/N)
- \_\_\_ 14. OnSite Conseq. Assess. 25524(c)
- \_\_\_ 15. Probable Risk Assessment 25534(d)
- \_\_\_ 16. Persons Responsible 25534(g)
- \_\_\_ 17. Certification 25534(f)
- \_\_\_ 18. Exemption Request? (Y/N) 25536(b)
- \_\_\_ 19. Trade Secret Requested? 25538

### III. UNDERGROUND TANKS (Title 23)

- |                               |   |
|-------------------------------|---|
| General                       | ___ 1. Permit Application 25284 (H&S)   |
|                               | ___ 2. Pipeline Leak Detection 25292 (H&S)  |
|                               | ___ 3. Records Maintenance 2712   |
|                               | ___ 4. Release Report 2651  |
|                               | ___ 5. Closure Plans 2670   |
| Monitoring for Existing Tanks | ___ 6. Method   |
|                               | 1) Monthly Test   |
|                               | 2) Daily Vadose<br>Semi-annual groundwater<br>One time sots                             |
|                               | 3) Daily Vadose<br>One time sots<br>Annual tank test                                    |
|                               | 4) Monthly Gndwater<br>One time sots  |
|                               | 5) Daily Inventory<br>Annual tank testing<br>Cont pipe leak det<br>Vadose/gndwater mon. |
|                               | 6) Daily Inventory<br>Annual tank testing<br>Cont pipe leak det                         |
|                               | 7) Weekly Tank Gauge<br>Annual tank tstrg   |
|                               | 8) Annual Tank Testing<br>Daily inventory   |
|                               | 9) Other _____  |
| New Tanks                     | ___ 7. Precls Tank Test 2643  |
|                               | Date: _____   |
|                               | ___ 8. Inventory Rec. 2644  |
|                               | ___ 9. Soil Testing 2646  |
| ___ 10. Ground Water. 2647    |   |
| ___ 11. Monitor Plan 2632     |   |
| ___ 12. Access. Secure 2634   |   |
| ___ 13. Plans Submit 2711     |   |
| Date: _____                   |   |
| ___ 14. As Built 2635         |   |
| Date: _____                   |   |

Site Address 6407 Telegraph  
 City Oakland Zip 94 Phone \_\_\_\_\_

\_\_\_ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

#### Inspection Categories:

- \_\_\_ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- \_\_\_ II. Business Plans, Acute Hazardous Materials
- \_\_\_ III. Underground Tanks

\_\_\_ Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

#### Comments:

Note - Conversation / consultation took place concerning the number of sots required -  
 (Upon contacting consultant (Tait & Co) it was decided that less sots would be required due to the fact that the lines were parallel and the same trench - further the site was already on hot site (remediation underway)  
 I concur with this sampling regime

Contact: X. JOHN MADDOX  
 Title: OTM TECH  
 Signature: [Signature]

Inspector: [Signature]  
 Signature: [Signature]

II, III

ARCO Facility no. <b>0374</b>	City (Facility) <b>OAKLAND</b>	Project manager (Consultant) <b>KELLY BROWN</b>
ARCO engineer <b>MIKE WHELAN</b>	Telephone no. (ARCO)	Telephone no. (Consultant) <b>(408)441-7500</b>
Consultant name <b>PACIFIC ENVIRONMENTAL GROUP</b>	Address (Consultant) <b>2025 GATEWAY PL. STE 440 SAN JOSE</b>	
		Fax no. (Consultant) <b>441-7539</b>

Laboratory name **SEQUOIA**

Contract number

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX EPA 801/802	BTEX/TPH EPA 802/803/806/815	TPH Modified 8015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/>	Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/>	TPH EPA 418.1/SM808E	EPA 601/6010	EPA 624/6240	EPA 625/6270	TCUP Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	Semi Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	CAA Metals EPA 601/7000 TLC <input type="checkbox"/> STLC <input type="checkbox"/>	Lead Org./DHS <input type="checkbox"/> Lead EPA 7420/7421/7422	
			Soil	Water	Other	Ice	Acid															
TRA-1		1	X			X	NP	9.21.95	1125													X
TRA-2									1130		X											
TRA-3									1145													
TRA-4									1205													
TRA-6									1215													
TRA-8									1120													
TRA-9									1115													
TRA-10									1225													
TRA-11									1235													
TRA-12									1240													
TRA-13									1245													
TRA-14									1300													
TRA-15			↓	↓		↓	↓	↓	1305		↓											

Method of shipment

Special detection Limit/reporting

Special QA/QC

Remarks

Lab number

Turnaround time

Priority Rush 1 Business Day

Rush 2 Business Days

Expedited 5 Business Days

Standard 10 Business Days

Condition of sample:	Temperature received:
Relinquished by sampler <b>John Madox</b>	Date <b>9.21.95</b> Time <b>1425</b>
Relinquished by	Date Time Received by
Relinquished by	Date Time Received by laboratory