

# PORT OF OAKLAND

CHARLES W. FOSTER  
*Executive Director*

February 14, 1996

Mr. Barney Chan  
Alameda County Health Care Agency  
Environmental Protection Division  
1131 Harbor Bay Pkwy., #250  
Alameda, CA 94502-6577

**SUBJECT: SUBSURFACE INVESTIGATION REPORT FOR KEEP ON TRUCKING AT  
370 8TH STREET, OAKLAND, CALIFORNIA - FORMER UNDERGROUND  
TANK**

Dear Mr. Chan:

Enclosed please find the Quarterly Groundwater Sampling Report for the second and third quarter of 1995 at the former underground tank site located at Keep on Trucking facilities.

If you have any questions or need additional information, please call me at (510) 272-1118.

Sincerely,

  
Susa Gates

Enclosure

cc with enclosure: Richard Padovani  
Rick Hiatt

1252 Quarry Lane  
P.O. Box 9019  
Pleasanton, CA 94566  
(510) 426-2600  
Fax (510) 426-0106

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

July and November, 1995  
Quarterly Groundwater Sampling Report  
at  
Former Underground Storage Tank Facility  
Keep on Trucking Facility  
370 8th Avenue  
Oakland, California

Clayton Project No. 66258.02  
February 8, 1996

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HO 7

## 1.0 INTRODUCTION

Clayton Environmental Consultants, Inc. was retained by Port of Oakland to perform quarterly groundwater sampling and analysis at the Keep On Trucking Facility located at 370 8th Avenue in Oakland, California (Figure 1). On July 24 and November 10, 1995 Clayton collected third and fourth quarter 1995 groundwater samples from monitoring well MW-7. The monitoring well location is shown on Figure 2.

## 2.0 BACKGROUND

An approximately 1,000-gallons UST was removed in October 1994 by Environmental Investigations and Actions of Hayward, California. ERM-West, Inc. collected soil and groundwater samples from the sidewalls and base of the excavation. Total petroleum hydrocarbons quantitated as diesel (TPH-D) was identified in the soil samples collected from the excavation pit.

In April 1995, Clayton drilled three boreholes at the subject facility. As requested by the Alameda County Health Care Services Agency (ACHCSA) in their letter dated March 9, 1995 two of the boreholes were converted into temporary wells for collection of grab water samples. The third borehole was converted to monitoring well MW-7.

The TPH-D was detected at a concentration of 370 micrograms per liter ( $\mu\text{g/l}$ ) in the groundwater sample from monitoring well MW-7 and 300,000  $\mu\text{g/l}$  in the groundwater sample from the temporary well. Total petroleum hydrocarbons as gasoline (TPH-G) was also detected in the groundwater sample from the temporary well.

Subsequent groundwater sampling and analysis identified TPH-D in the groundwater samples from monitoring well MW-7. TPH-G and benzene, toluene, ethylbenzene and xylenes (BTEX) were not detected in the quarterly groundwater samples.

## 3.0 FIELD ACTIVITIES

Monitoring well MW-7 was purged using a 2-inch submersible pump on July 24, and November 10, 1995. Approximately four times the well volume was pumped from the well to ensure water representative of the aquifer was present in the well. The well volume was calculated using depth to groundwater and total well depth measurements which were recorded to the nearest 0.01 foot upon arrival at the site. The purging was continued until sufficient volume of water had been purged for pH, temperature, and electrical conductivity to stabilize.

The following parameters were noted during the sampling activities:

- Monitoring well identification
- Static water level

- Well depth
- Condition of water before purging (e.g., amount of free product)
- Purge rate and volume
- pH, temperature, and conductivity during purging
- Time purged
- Time of sample collection
- Sampling method
- Name of sampler
- Climatic conditions

The water sample was collected using a new disposable bailer. All other equipment coming into contact with groundwater was thoroughly cleaned and decontaminated before use at the site. Detail of the groundwater sampling event is provided in the water sampling field survey forms (Appendix A).

Groundwater samples obtained in the bailer were transferred into clean laboratory-supplied containers that were closed, labeled, placed immediately into an ice chest, and transported to Clayton's state-certified laboratory for analysis. One trip blank was furnished in accordance with Clayton's quality assurance/quality control (QA/QC) program.

Groundwater samples were collected in such a manner to minimize the volatilization of a sample due to agitation and/or transfer from bailer to sample container. To document and trace samples from time of collection to final analysis, a signed chain-of-custody record was completed by the sampler and accompanied the samples to the laboratory. The completed chain-of-custody is included with the analytical report from the laboratory (attached).

#### **4.0 ANALYTICAL RESULTS**

The groundwater sample from MW-7 was analyzed using the following United States Environmental Protection Agency (USEPA) Methods:

- Method 8015 (modified) for TPH-D
- Method 8015 (modified) for TPH-G
- Method 8020 for BTEX

The analytical results for the groundwater samples collected in April, July and November 1995 are summarized in attached Table. The analytical reports for the groundwater samples collected in July and November 1995 are included in Appendix B.

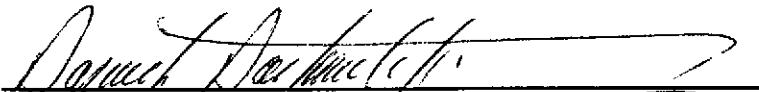
## 5.0 FINDINGS

Based on the analytical reports and our field observations our findings follow:

- TPH-D concentration ranged from 260  $\mu\text{g/L}$  in the groundwater sample collected in July 1995 to 270  $\mu\text{g/L}$  in groundwater sample collected in November, 1995.
- TPH-G or BTEX were not detected in the groundwater samples collected from monitoring well MW-7.

The next quarterly sampling event is scheduled for February 1996.

This report prepared by:

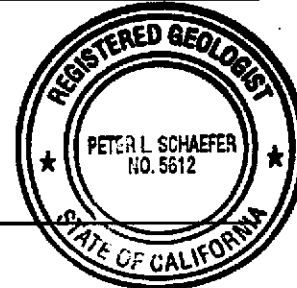


Dariush Dastmalchi, REA  
Project Geologist

This report reviewed by:



Peter L. Schaefer, RG, CEG, CHG  
Senior Project Geologist  
Environmental Management and Remediation  
San Francisco Regional Office



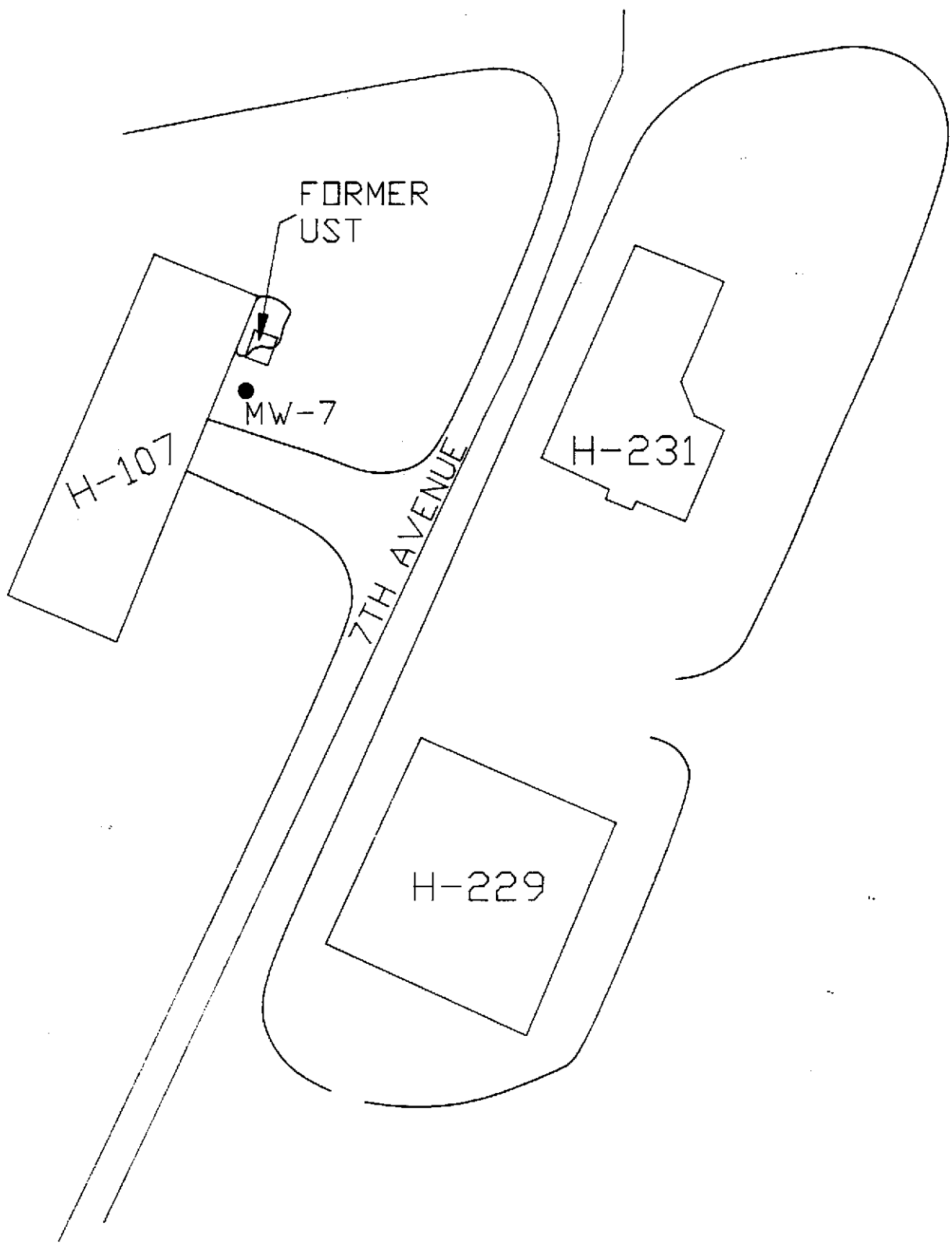
February 8, 1996



Site Location and Topographic Map  
 KEEP ON TRUCKING FACILITY  
 370 8th Street  
 Oakland, California  
 Clayton Project No. 58560.15

Figure  
 1  
 58560-15-16

**Clayton**  
 ENVIRONMENTAL  
 CONSULTANTS



LEGEND	FORMER UNDERGROUND STORAGE TANK FACILITY KEEP ON TRUCKING FACILITY 370 8TH AVENUE OAKLAND, CALIFORNIA Clayton Project No. 66258.02	Figure	Clayton ENVIRONMENTAL CONSULTANTS
● MONITORING WELL		2 02/08/96 66258007	



**TABLE**  
**Summary of Groundwater Analytical Results (ug/L)**  
**April through November 1995**

Monitoring Well	Sample Date	TPH-D	BTEX	TPH-G	Depth to Water	Casing Elevation	Groundwater Elevation
MW-7	10-Apr-95	370	ND	ND	4.41	10.67	6.26
	24-Jul-95	260	ND	ND	3.72	10.67	6.95
	10-Nov-95	270	ND	ND	4.78	10.67	5.89

TPH-D - Total Petroleum Hydrocarbons as Diesel  
 BTEX - Benzene, Toluene, Ethylbenzene, and Xylenes  
 TPH-G - Total Petroleum Hydrocarbons as Gasoline  
 TDS - Total Dissolved Solids

**APPENDIX A**

**WATER SAMPLING FIELD SURVEY FORMS**

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

WATER SAMPLING FIELD SURVEY FORM

Project #: W6258.02

Site: P.O.C. - KEEP ON TRUCKING

Date: Nov 10, 1995

Well #: MW-7

Sampling Team: R. SILVER

Sampling Method: DISPOSABLE BAILER

Field Conditions: CLEAR SKIES, COOL, WINDY

Describe Equipment D-Con Before Sampling This Well:

Total Depth of Well: 20.16 feet

Time: 1010

Depth to Water Before Pumping: 4.78 feet

Height of Water Column: 15.38 feet

Diameter  
2-inch     4-inch  
.16         .65

= 2.46 gal

Purge Factor  
4

= 9.84 gal

Depth Purging From: 19 feet

Time Purging Begins: 1016

Notes on Initial Discharge: GRAYISH, SILTY, SULFUR ODOR

Time	Volume Purged	pH	Conductivity	T	Notes
<u>1018</u>	<u>2-GAL</u>	<u>6.9</u>	<u>2000+</u>	<u>19.4</u>	<u>CLEAR, ODOOR</u>
<u>1020</u>	<u>4-GAL</u>	<u>6.9</u>	<u>2000+</u>	<u>20.1</u>	<u>CLEAR, ODOOR</u>
<u>1022</u>	<u>6-GAL</u>	<u>7.0</u>	<u>2000+</u>	<u>19.1</u>	<u>CLEAR, ODOOR</u>
<u>1030</u>	<u>8-GAL</u>	<u>7.2</u>	<u>2000+</u>	<u>19.0</u>	<u>CLEAR, ODOOR</u>
<u>1032</u>	<u>10-GAL</u>	<u>7.1</u>	<u>2000+</u>	<u>19.1</u>	<u>CLEAR, ODOOR</u>

PURGED DRY AFTER 7 GALLONS WERE REMOVED

**CLAYTON ENVIRONMENTAL CONSULTANTS, INC.**  
**WATER SAMPLING FIELD SURVEY FORM**

Project #: SB560.15 Site: P.O.D. - KEEP ON TRUCKING Date: JULY 24 1995

Well #: MW-7 Sampling Team: R. SILVA

Sampling Method: DISPOSABLE FILTER

Field Conditions: CLOUDY, COOL, SLIGHT BREEZE

Describe Equipment D-Con Before Sampling This Well: \_\_\_\_\_

Total Depth of Well: 20.59 feet Time: 1111 Depth to Water Before Pumping: 3.72 feet

Height of Water Column: <u>16.37</u> feet	<u>Diameter</u>		=	<u>Volume</u>	•	<u>Purge Factor</u>	=	<u>Volume To Purge</u>
	<u>2-inch</u> <u>.16</u>	<u>4-inch</u> <u>.65</u>		<u>2.62</u> gal		<u>4</u>		<u>10.48</u> gal

Depth Purging From: 19 1/2 feet Time Purging Begins: 1122

Notes on Initial Discharge: GRAYISH, SILTY

<u>Time</u>	<u>Volume Purged</u>	<u>pH</u>	<u>Conductivity</u>	<u>T</u>	<u>Notes</u>
<u>1124</u>	<u>3-GAL</u>	<u>6.9</u>	<u>2000+</u>	<u>20.5</u>	<u>CLEAR</u>
<u>1125</u>	<u>6-GAL</u>	<u>6.8</u>	<u>2000+</u>	<u>18.9</u>	<u>CLEAR</u>
<u>1126</u>	<u>9-GAL</u>	<u>6.8</u>	<u>2000+</u>	<u>18.1</u>	<u>CLEAR, PURGED, DRY</u>
<u>1140</u>	<u>12-GAL</u>	<u>6.9</u>	<u>2000+</u>	<u>19.0</u>	<u>CLEAR</u>

**APPENDIX B**

**GROUNDWATER SAMPLING ANALYTICAL REPORTS FOR  
SAMPLES COLLECTED IN JULY AND NOVEMBER 1995**

1252 Quarry Lane  
P.O. Box 9019  
Pleasanton, CA 94566  
(510) 426-2600  
Fax (510) 426-0106

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

November 28, 1995

Mr. George Mead  
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.  
1252 Quarry Lane  
Pleasanton, CA 94566

Client Ref.: 66258.02  
Clayton Project No.: 95111.62

Dear Mr. Mead:

Attached is our analytical laboratory report for the samples received on November 10, 1995. Following the cover letter is the Quality Control Narrative detailing sample information/problems and a summary of the quality control issues. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

Please note that any unused portion of the samples will be discarded after December 28, 1995, unless you have requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Suzanne Haus, Client Services Supervisor, at (510) 426-2657.

Sincerely,

*Michael Lynch for*

Harriotte A. Hurley, CIH  
Director, Laboratory Services  
San Francisco Regional Office

HAH/tjb

Attachments

QUALITY CONTROL NARRATIVE  
for  
Port of Oakland  
Client Reference: 66258.02  
Clayton Project No. 95111.62

**Sample Information/Problems:**

There were no problems with sample receipt.

**Analytical Problems:**

No problems were encountered with the sample analyses.

**Quality Control:**

The quality control data is summarized in the Quality Assurance Data Package, which follows the analytical report.

- MS/MSD: A matrix spike and matrix spike duplicate were analyzed where applicable, and all results were acceptable.
- LCS/LCSD: A laboratory control spike and duplicate were analyzed where applicable, and all results were acceptable.
- ICV/CCV: Response for all analytes met Clayton acceptance criteria.
- Surrogate Recoveries: All surrogate recoveries were acceptable. The surrogate recoveries, where applicable, are listed on the sample result pages.

Analytical Results  
for  
Port of Oakland  
Client Reference: 66258.02  
Clayton Project No. 95111.62

Sample Identification:	MW-7	Date Sampled:	11/10/95
Lab Number:	9511162-01A	Date Received:	11/10/95
Sample Matrix/Media:	WATER	Date Prepared:	11/21/95
Preparation Method:	EPA 5030	Date Analyzed:	11/21/95
Method Reference:	EPA 8015/8020	Analyst:	DTL

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	98	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable



Analytical Results  
for  
Port of Oakland  
Client Reference: 66258.02  
Clayton Project No. 95111.62

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9511162-02A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	11/21/95
Preparation Method:	EPA 5030	Date Analyzed:	11/21/95
Method Reference:	EPA 8015/8020	Analyst:	DTL

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	95	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Analytical Results  
for  
Port of Oakland  
Client Reference: 66258.02  
Clayton Project No. 95111.62

Sample Identification: See Below                      Date Received: 11/10/95  
 Lab Number: 9511162                                      Date Extracted: 11/10/95  
 Sample Matrix/Media: WATER                              Date Analyzed: 11/15/95  
 Extraction Method: EPA 3510  
 Method Reference: EPA 8015 (Modified)

Lab Number	Sample Identification	Date Sampled	TPH-D (ug/L)	Method Detection Limit (ug/L)
-01	MW-7	11/10/95	270 a	50
-02	METHOD BLANK	--	ND	50

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable

TPH-D = Extractable petroleum hydrocarbons from C10 to C42 quantitated as diesel.  
 a = Unidentified hydrocarbons present in diesel and oil range; quantitation based on diesel.

**Quality Assurance Results Summary**  
**Matrix Spike/Matrix Spike Duplicate Results**  
**for**  
**Clayton Project No. 95111.62**

Quality Assurance Results Summary - Matrix Spike/Matrix Spike Duplicate  
for  
Clayton Project No. 95111.62

Clayton Lab Number: 9511098-LCS  
Ext./Prep. Method: EPA 3510  
Date: 11/10/95  
Analyst: MBN  
Std. Source: E951025-01W  
Sample Matrix/Media: WATER

Analytical Method: EPA 8015  
Instrument ID: 02893  
Date: 11/14/95  
Time: 15:41  
Analyst: GUD  
Units: UG/L  
QC Batch No: 95111068

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
DIESEL	ND	1,000	1,030	103	931	93	98	65	128	10	25

ND = Not detected at or above limit of detection  
SOR = Spike out of range due to high sample concentration.

LCL = Lower Control Limit

UCL = Upper Control Limit

Quality Assurance Results Summary - Matrix Spike/Matrix Spike Duplicate  
for  
Clayton Project No. 95111.62

Clayton Lab Number: 9511196-01A  
Ext./Prep. Method: EPA 5030  
Date: / /  
Analyst:  
Std. Source: V951109-02W  
Sample Matrix/Media: WATER

Analytical Method: EPA 8015/8020  
Instrument ID: 05587  
Date: 11/21/95  
Time: 20:17  
Analyst: DTL  
Units: ug/L  
QC Batch No: 95112122

Analyte		Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
BENZENE	(PID)	ND	4.60	4.59	100	4.59	100	100	79	125	0.1	20
ETHYLBENZENE	(PID)	ND	5.47	5.37	98	5.42	99	99	91	123	1.0	20
GASOLINE	(FID)	ND	500	522	104	508	102	103	80	120	2.7	25
TOLUENE	(PID)	ND	24.2	24.0	99	24.0	99	99	84	118	0.2	20
TOTAL XYLENE	(PID)	ND	33.7	32.9	98	33.2	98	98	85	115	0.6	20

ND = Not detected at or above limit of detection  
SOR = Spike out of range due to high sample concentration.

LCL = Lower Control Limit

UCL = Upper Control Limit

# Clayton

ENVIRONMENTAL  
CONSULTANTS

## REQUEST FOR LABORATORY ANALYTICAL SERVICES

For Clayton Use Only Page 1 of 2

Project No. **9511160** (mw-m25)

Batch No. **9511162** (mw7)

Ind. Code \_\_\_\_\_ W.P. \_\_\_\_\_

Date Logged In 11/13 By Ch

REPORT RESULTS TO	Name <u>GEORGE WEADE</u>	Title _____	PURCHASE ORDER NO.	CLIENT JOB NO.
	Company <u>CLAYTON</u>	Dept. _____		
	Mailing Address _____			
	City, State, Zip _____			
Telephone No. _____	Telefax No. _____		SEND INVOICE TO	Name _____
		Company <u>PORT OF OAKLAND</u>		Dept. _____
		Address <u>KEEP ON PROCKING</u>		
		City, State, Zip _____		

Date Results Req. STANDARD Rush Charges Authorized?  Yes  No Phone / Fax Results

Special Instructions: (method, limit of detection, etc.)

Explanation of Preservative: P=HCL

Samples are: (check if applicable)  
 Drinking Water  
 Collected in the State of New York

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added.)										FOR LAB USE ONLY			
					1	2	3	4	5	6	7	8	9	10		11	12	
MW-1	11-10-95	H <sub>2</sub> O	40mLs	2	XP		X											
MW-1			LITER	2		XP												
MW-2			40mLs	2	XP		X											
MW-2			LITER	2		XP												
MW-3			40mLs	2	XP		X											
MW-3			LITER	2		XP												
MW-5			40mLs	2	XP		X											
MW-5			LITER	2		XP												
MW-7			40mLs	2	XP		X											
MW-7			LITER	2		XP												OIA, B ↓ C, D

Collected by: RICHARD SILVA (print) Collector's Signature: [Signature]

Relinquished by: [Signature] Date/Time: 11-13-95 10:10pm Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received at Lab by: [Signature] Date/Time: 5/10/96

Method of Shipment: \_\_\_\_\_ Sample Condition Upon Receipt:  Acceptable  Other (explain)

Authorized by: \_\_\_\_\_ Date \_\_\_\_\_  
(Client Signature Must Accompany Request)

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

22345 Roethel Drive Novi, MI 48375 (810) 344-1770	Raritan Center 160 Fieldcrest Ave. Edison, NJ 08837 (908) 225-6040	400 Chastain Center Blvd., N.W. Suite 490 Kennesaw, GA 30144 (404) 499-7500	1252 Quarry Lane Pleasanton, CA 94566 (510) 426-2657
---	---	--	--

DISTRIBUTION:  
 WHITE - Clayton Laboratory  
 YELLOW - Clayton Accounting  
 PINK - Client Retains

Western Operations

1252 Quarry Lane  
P.O. Box 9019  
Pleasanton, CA 94566  
(510) 426-2600  
Fax (510) 426-0106

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

August 7, 1995

Mr. Dariush Dastmalchi  
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.  
1252 Quarry Lane  
Pleasanton, CA 94566

Client Ref.: 58560.15  
Clayton Project No.: 95072.00B

Dear Mr. Dastmalchi:

Attached is our analytical laboratory report for the samples received on July 25, 1995. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

Please note that any unused portion of the samples will be discarded after September 6, 1995, unless you have requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Suzanne Haus, Client Services Supervisor, at (510) 426-2657.

Sincerely,



Harriotte A. Hurley, CIH  
Director, Laboratory Services  
San Francisco Regional Office

HAH/caa

Attachments

Analytical Results  
for  
Port of Oakland  
Client Reference: 58560.15  
Clayton Project No. 95072.00

Sample Identification: MW-7	Date Sampled: 07/24/95
Lab Number: 9507200-06A	Date Received: 07/24/95
Sample Matrix/Media: WATER	Date Prepared: 07/26/95
Preparation Method: EPA 5030	Date Analyzed: 07/26/95
Method Reference: EPA 8015/8020	Analyst: WAS

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
---------	-------	-------------------------	--

BTEX/Gasoline

Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50

Surrogates

		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	91	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable



Analytical Results  
for  
Port of Oakland  
Client Reference: 58560.15  
Clayton Project No. 95072.00

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9507200-08A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	07/26/95
Preparation Method:	EPA 5030	Date Analyzed:	07/26/95
Method Reference:	EPA 8015/8020	Analyst:	WAS

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
---------	-------	-------------------------	--

BTEX/Gasoline

Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50

Surrogates

		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	90	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable

Analytical Results  
for  
Port of Oakland  
Client Reference: 58560.15  
Clayton Project No. 95072.00

Sample Identification: See Below  
 Lab Number: 9507200  
 Sample Matrix/Media: WATER  
 Extraction Method: EPA 3510  
 Method Reference: EPA 8015 (Modified)

Date Received: 07/24/95  
 Date Extracted: 07/26/95  
 Date Analyzed: 08/01/95

Lab Number	Sample Identification	Date Sampled	TPH-D (ug/L)	Method Detection Limit (ug/L)
-06	MW-7	07/24/95	260 a	50
-08	METHOD BLANK	--	ND	50

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable

TPH-D = Extractable petroleum hydrocarbons from C10 to C42 quantitated as diesel.  
 a Unidentified hydrocarbons present in diesel range; quantitation based on diesel.