PORT OF OAKLAND

February 20, 1996

3982

Ms. Jennifer Eberle
Hazardous Materails Specialist
Hazardous Materails Division
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, CA 94502

SUBJECT: GROUNDWATER MONITORING AND SAMPLING REPORT, TRANSBAY CONTAINER TERMINAL (TBCT), 707 FERRY STREET, OAKLAND, CALIFORNIA, STID # 3982

Dear Jennifer:

Enclosed you will find a copy of the Groundwater Monitoring and Sampling Report for a UST site located at TransBay Container Terminal (TBCT), 707 Ferry Street, Oakland, California. The Third Quarter 1995 Report was prepared on the behalf of the Port of Oakland by Alisto Engineering Group. The report address groundwater monitoring and sampling in the vicinity of Port tank site CF-04.

If you have any questions or comments, please call me at 272-1373.

Sincerely,

John Prall

John Prall, R.G.
Associate Environmental Scientist

Enclosed

cc: Neil Werner
Dave Adams

96 FEB 22 PM 1:32

530 Water Street ■ Jack London's Waterfront ■ P.O. Box 2064 ■ Oakland, California 94604-2064
Telephone (510) 272-1100 ■ Fax (510) 272-1172 ■ TDD (510) 763-5703 ■ Cable address, PORTOFOAK, Oakland

PORT OF OAKLAND
ENVIRONMENTAL DIVISION
FEB 20 REC'D
RECEIVED
ENVIRONMENTAL DIVISION

GROUNDWATER MONITORING AND SAMPLING REPORT

Port of Oakland
Berth 25
707 Ferry Street
Oakland, California

Project No. 10-255-01-002

Prepared for:

Port of Oakland
530 Water Street
Oakland, California

Prepared by:

Alisto Engineering Group
1575 Treat Boulevard, Suite 201
Walnut Creek, California

February 13, 1996

Dale Swain
Project Manager

Al Sevilla, P.E.
Principal

REGISTERED PROFESSIONAL ENGINEER
ALBERTO SANCHEZ SEVILLA
26392
Exp. Date 3/31/96
CIVIL
STATE OF CALIFORNIA

GROUNDWATER MONITORING AND SAMPLING REPORT

Port of Oakland
Berth 25
707 Ferry Street
Oakland, California

Project No. 10-255-01-003

February 13, 1996

INTRODUCTION

This report presents the results and findings of the August 24, 1995 groundwater monitoring and sampling conducted by Alisto Engineering Group at the Port of Oakland, Berth 25, 707 Ferry Street, Oakland, California. A site vicinity map is shown in Figure 1.

FIELD PROCEDURES

Field activities were performed in accordance with the procedures and guidelines of the Alameda County Health Care Services Agency and the California Regional Water Quality Control Board, San Francisco Bay Region.

Before purging and sampling, the groundwater level in Well MW-1 was measured from a permanent mark on top of the casing to the nearest 0.01 foot using an electronic sounder. The survey data and groundwater elevation measurements collected to date are presented in Table 1.

Before sample collection, Well MW-1 was purged of 3 casing volumes while recording field readings of pH, temperature, and electrical conductivity. The groundwater sample was collected for laboratory analysis by lowering a bottom-fill, disposable bailer to just below the water level in the well. The sample was transferred from the bailer into laboratory-supplied containers. The field procedures for groundwater monitoring well sampling and the water sampling field survey forms are presented in Appendix A.

SAMPLING AND ANALYTICAL RESULTS

The groundwater sample was analyzed by Clayton Environmental Consultants, a state-certified laboratory, for the following:

- Total petroleum hydrocarbons as diesel (TPH-D) using EPA Method 8015 (modified)
- Total petroleum hydrocarbons as motor oil (TPH-MO) using EPA Method 8015 (modified)

- Benzene, toluene, ethylbenzene, and total xylenes using EPA Method 8020

- Total dissolved solids using EPA Method 160.1

The results of monitoring and laboratory analysis of the groundwater samples for this and previous events are summarized in Table 1. The potentiometric groundwater elevations interpreted from MW-1 and from monitoring wells at the neighboring former Mobil Oil Bulk Terminal site at 909 Ferry Street are shown in Figure 2. The field procedures for chain of custody documentation and the laboratory report and chain of custody record are presented in Appendix B.

SUMMARY OF FINDINGS

The findings of the August 24, 1995 groundwater monitoring and sampling event are summarized as follows:

- Free product or sheen was not observed in Monitoring Well MW-1.

- Groundwater elevation data from the one well onsite and the wells at the neighboring former Mobil Oil Bulk Terminal site indicate a westerly gradient direction at the site.

- Analysis of the groundwater sample collected from MW-1 did not detect TPH-D above the reported detection limit, however, TPH-MO was detected at a concentration of 400 micrograms per liter. Benzene, toluene, ethylbenzene, and total xylenes were not detected above the reported detection limits.

- Total dissolved solids was detected at a concentration of 1300 milligrams per liter in the sample collected from MW-1.

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING AND SAMPLING
PORT OF OAKLAND, BERTH 25
707 FERRY STREET, OAKLAND, CALIFORNIA

ALISTO PROJECT NO. 10-255

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (feet)	DEPTH TO WATER (feet)	GROUNDWATER ELEVATION (b) (feet)	TPH-D (ug/l)	TPH-MO (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	TDS (mg/l)	LAB
MW-1	06/09/94	14.65	9.88	4.77	410	---	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1900	D&M
MW-1	02/22/95	14.65	9.66	4.99	990	120	ND<0.4	ND<0.3	ND<0.3	ND<0.4	1100	CEC
QC-1 (c)	02/22/95	14.65	---	---	---	---	ND<0.4	ND<0.3	ND<0.3	ND<0.4	---	CEC
MW-1	05/24/95	14.65	9.71	4.94	180	600	ND<0.4	ND<0.3	ND<0.3	ND<0.4	1200	CEC
QC-1 (c)	05/24/95	14.65	---	---	---	---	ND<0.4	ND<0.3	ND<0.3	ND<0.4	---	CEC
MW-1	08/24/95	14.65	9.85	4.80	ND<80	400	ND<0.4	ND<0.3	ND<0.3	ND<0.4	1300	CEC
QC-1 (c)	08/24/95	---	---	---	---	---	ND<0.4	ND<0.3	ND<0.3	ND<0.4	---	CEC
QC-2 (d)	02/22/95	---	---	---	---	---	ND<0.4	ND<0.3	ND<0.3	ND<0.4	---	CEC
QC-2 (d)	05/24/95	---	---	---	---	---	ND<0.4	ND<0.3	ND<0.3	ND<0.4	---	CEC
QC-2 (d)	08/24/95	---	---	---	---	---	ND<0.4	ND<0.3	ND<0.3	ND<0.4	---	CEC

ABBREVIATIONS:

TPH-D	Total petroleum hydrocarbons as diesel
TPH-MO	Total petroleum hydrocarbons as motor oil
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
TDS	Total dissolved solids
ug/l	Micrograms per liter
mg/l	Milligrams per liter
---	Not analyzed/applicable
ND	Not detected above reported detection limit
D&M	D&M Laboratories
CEC	Clayton Environmental Consultants

NOTES:

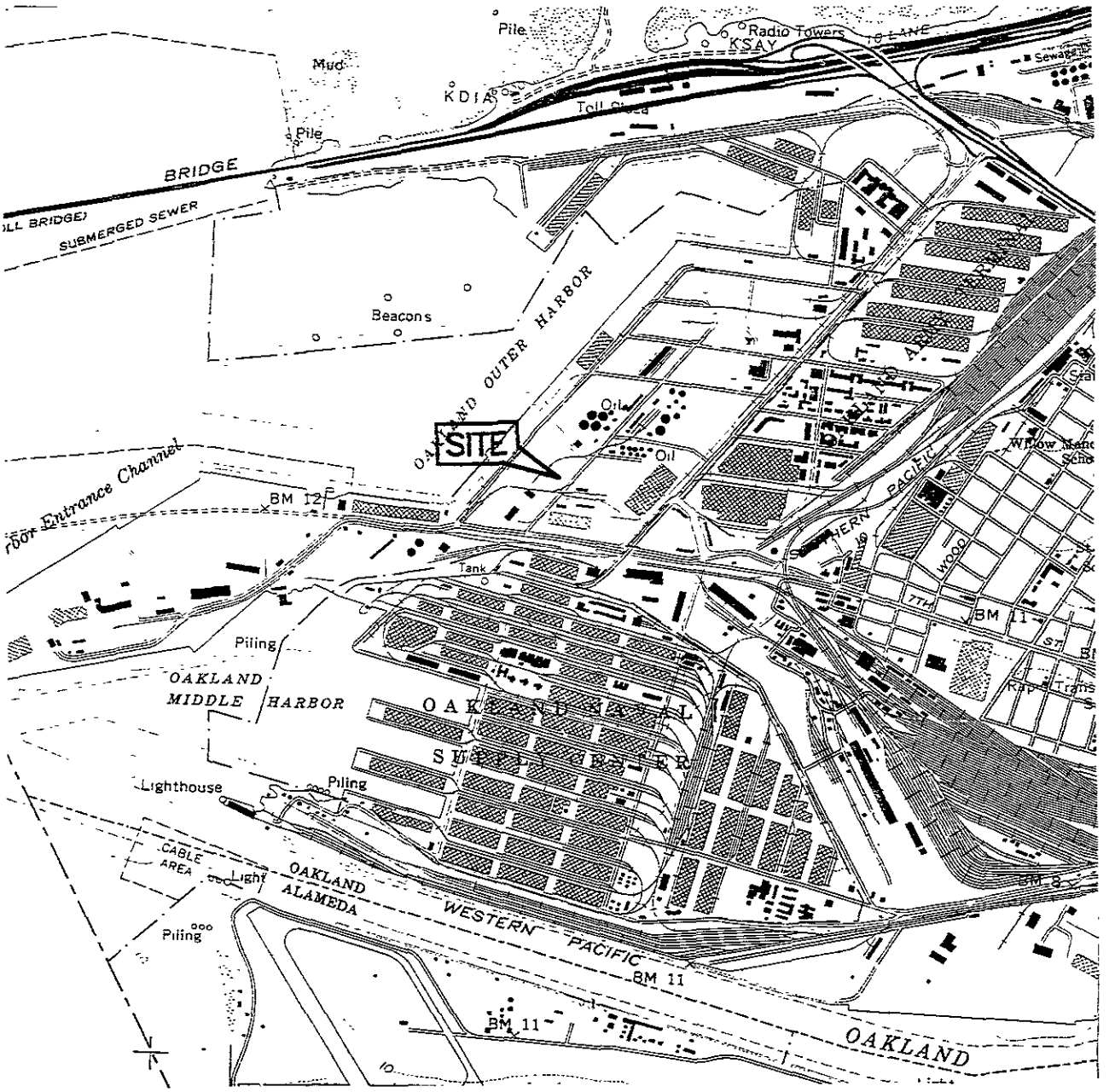
(a) Top of casing elevations surveyed to the nearest 0.01 foot relative to mean lower low water (3.2 feet below mean sea level) Port of Oakland datum.

(b) Groundwater elevations expressed in feet above mean lower low water.

(c) Blind duplicate.

(d) Travel blank.

E:\0\10-255\255-1-3.WQ2



SOURCE:
USGS MAP, OAKLAND WEST QUADRANGLE,
7.5 MINUTE SERIES. 1959.
PHOTOREVISED 1980.

N

0 1000' 2000'

FIGURE 1

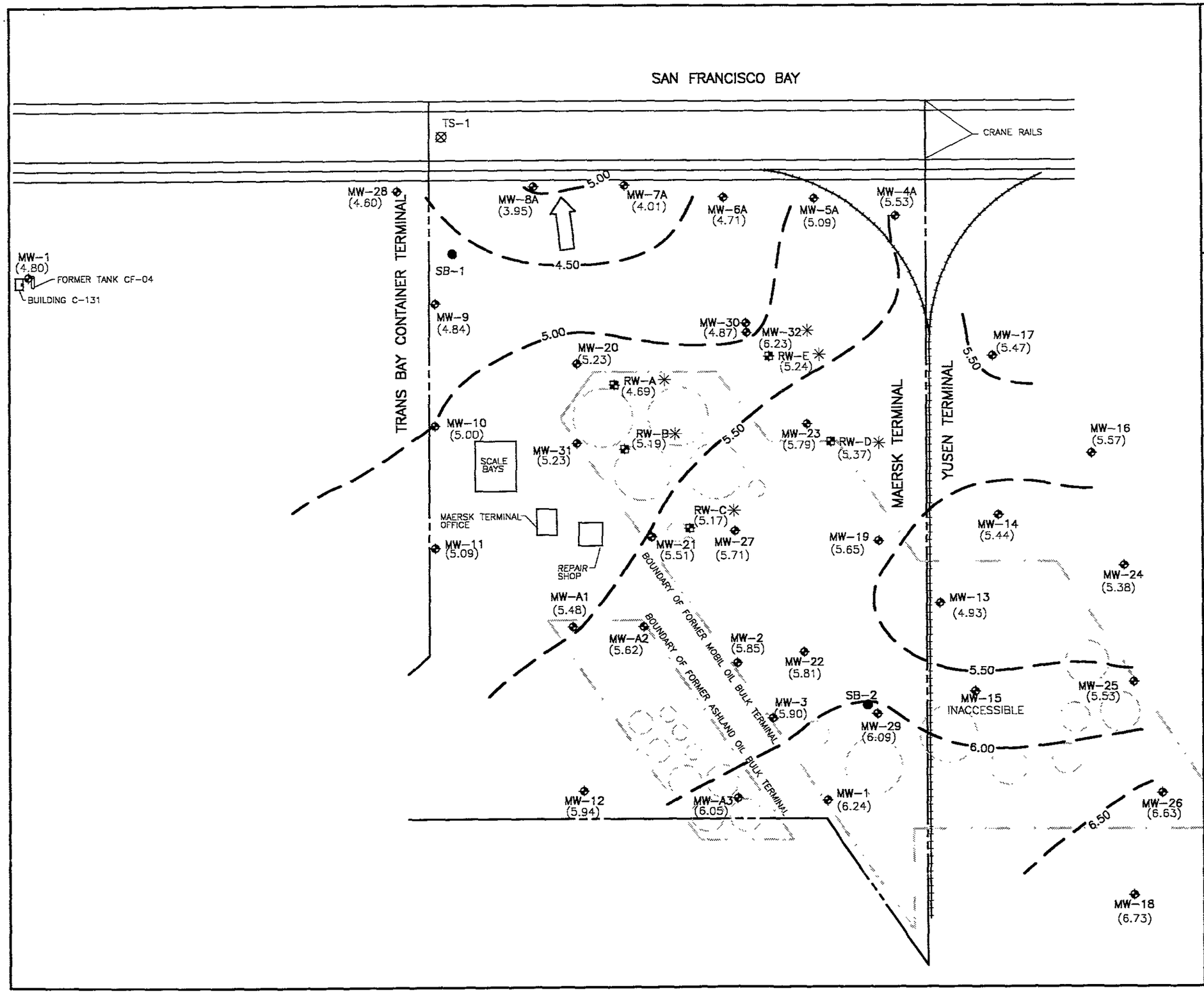
SITE VICINITY MAP

PORT OF OAKLAND
BERTH 25
707 FERRY STREET
OAKLAND, CALIFORNIA

PROJECT NO. 10-255

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

10255B--DWG 3-21-95 RKW 1=1



LEGEND

- GROUNDWATER MONITORING WELL
- GROUNDWATER RECOVERY WELL
- SOIL BORING LOCATION
- TIDAL STUDY MONITORING POINT
- FORMER ABOVEGROUND PRODUCT STORAGE TANK
- (6.63) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- 6.50 GROUNDWATER ELEVATION CONTOUR IN FEET ABOVE MEAN SEA LEVEL (CONTOUR INTERVAL–0.50 FOOT)
- INTERPRETED GROUNDWATER GRADIENT DIRECTION
- * GROUNDWATER ELEVATION NOT USED IN PREPARING CONTOURS

FIGURE 2

POTENTIOMETRIC GROUNDWATER ELEVATION CONTOUR MAP

AUGUST 24, 1995

PORT OF OAKLAND
BERTH 25
707 FERRY STREET
OAKLAND, CALIFORNIA

PROJECT NO. 10–255

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

10255D40.DWG 10-27-95 MAP 1=200

APPENDIX A

FIELD PROCEDURES FOR GROUNDWATER MONITORING WELL SAMPLING AND WATER SAMPLING FIELD SURVEY FORMS

FIELD PROCEDURES
FOR
GROUNDWATER MONITORING WELL SAMPLING

Groundwater Level Measurement

Before commencing groundwater sampling, the groundwater level in each well was measured from a marked survey reference point at the top of the well casing. Groundwater in each well was monitored for free-floating product or sheen. The depth to groundwater was measured to an accuracy of 0.01 foot from the top of the PVC well casing using an electronic sounder.

Groundwater Monitoring Well Sampling

To ensure that the groundwater samples were representative of the aquifer, the wells were purged of 3 well casing volumes before sample collection. This purging was accomplished using a clean bailer or pump.

The groundwater samples were collected using a disposable bailer, and then transferred into laboratory-supplied containers. Care was taken to avoid turbulence when transferring the water samples, and all volatile analysis vials were filled so that no air bubbles were trapped. The sampling technician wore nitrile gloves at all times during purging and well sampling. The samples were labeled with the well number, site identification, date and time of sample collection, and sampler's initials, and transported in an iced cooler maintained at 4 degrees Centigrade to Clayton Environmental Consultants, a state-certified laboratory, following preservation and chain of custody protocol.

ALISTO

Field Report / Sampling Data Sheet

ENGINEERING
GROUP
1575 TREAT BOULEVARD, SUITE 201
WALNUT CREEK CA 94598 (510) 295-1650 FAX 295-1823

Project No. 10-255-01-003 Date: 8/24/95
Address 707 Ferry Street Day: M T W (TH) F
Contract No. 201597 City: Oakland
Station No. Port Of Oakland Sampler: DX

WELL ID	SAMPLE ID	WELL DIAM	TOTAL DEPTH	DEPTH TO WATER	PRODUCT THICKNESS	TIME ~~SAMPLED~~	COMMENTS:
MW-1	—	2"	14.85	9.85'	ϕ	1045	

FIELD INSTRUMENT CALIBRATION DATA

Ph METER Hydac 4.00 ____ 7.00 ✓ 10.00 ✓ TEMPERATURE COMPENSATED (Y) N TIME 1054 WEATHER OVERCAST

D.O. METER ____ ZERO d.O. SOLUTION ____ BAROMETRIC PRESSURE ____ TEMP 70°F

CONDUCTIVITY METER Hydac 10,000 ✓ TURBIDITY METER ____ 5.0 NTU ____ OTHER ____

Well ID	Depth to Water	Diam	Cap/Lock	Product Dept	Iridescence	Gal.	Time	Temp °F	pH	E.C.	D.O.
MW-1	9.85'	2"	OK	0	Y (N)	1	1103	75.0	7.18	2.17	
						2	1106	73.9	7.12	2.31	
						2.5	1107	73.8	7.09	2.33	

Total Depth - Water Level= x Well Vol. Factor= x#vol. to Purge PurgeVol.
14.85 - 9.85 = 5 x .16 = 0.8 x 3 = 2.4

Purge Method: OSurface Pump ODisp.Tube OWinch ~~X~~ Disp. Baller(s) 1 OSys Port

Comments: QA-1 from this well

~~X~~ TDS ✓
~~X~~ TPH-Gas ✓ 8020
~~X~~ TPH Diesel-Motor Oil ✓

TIME/SAMPLE ID
1110

APPENDIX B

FIELD PROCEDURES FOR CHAIN OF CUSTODY DOCUMENTATION, LABORATORY REPORT, AND CHAIN OF CUSTODY RECORD

FIELD PROCEDURES
FOR
CHAIN OF CUSTODY DOCUMENTATION

All samples were handled in accordance with the California Department of Health Services guidelines. Samples were labeled in the field and immediately stored in coolers and preserved with blue ice for transport to a state-certified laboratory for analysis.

A chain of custody record accompanied the samples, and included the site and sample identification, date and time of collection, analysis requested, and the name and signature of the sampling technician. When transferring possession of the samples, the transferee signed and dated the chain of custody record.

Western Operations

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

Clayton
ENVIRONMENTAL
CONSULTANTS

September 13, 1995

Mr. Brady Nagle
ALISTO ENGINEERING GROUP
1575 Treat Blvd., Suite 201
Walnut Creek, CA 94598

Client Ref.: 10-255-01-003
Clayton Project No.: 95083.51

Dear Mr. Nagle:

Attached is our analytical laboratory report for the samples received on August 29, 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 October 13, 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.

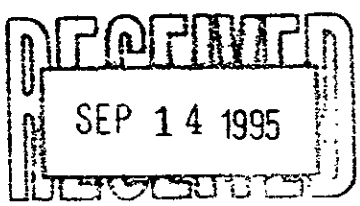
Sincerely,

Michael Lynch for

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

HAH/tjb

Attachments



Analytical Results
for
Alisto Engineering Group
Client Reference: 10-255-01-003
Clayton Project No. 95083.51

Sample Identification:	MW-1	Date Sampled:	08/24/95
Lab Number:	9508351-01A	Date Received:	08/29/95
Sample Matrix/Media:	WATER	Date Prepared:	08/30/95
Preparation Method:	EPA 5030	Date Analyzed:	08/30/95
Method Reference:	EPA 8020	Analyst:	WGK

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX			
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	11-57-4	ND	0.4
Surrogates		Recovery (%)	QC Limits (%)
1,4-Difluorobenzene	540-36-3	92	50 - 150

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

Analytical Results
for
Alisto Engineering Group
Client Reference: 10-255-01-003
Clayton Project No. 95083.51

Sample Identification:	QC-1	Date Sampled:	08/24/95
Lab Number:	9508351-02A	Date Received:	08/29/95
Sample Matrix/Media:	WATER	Date Prepared:	08/30/95
Preparation Method:	EPA 5030	Date Analyzed:	08/30/95
Method Reference:	EPA 8020	Analyst:	WGK

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX			
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	11-57-4	ND	0.4
Surrogates		Recovery (%)	QC Limits (%)
1,4-Difluorobenzene	540-36-3	93	50 - 150

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

Analytical Results
for
Alisto Engineering Group
Client Reference: 10-255-01-003
Clayton Project No. 95083.51

Sample Identification:	QC-2	Date Sampled:	08/24/95
Lab Number:	9508351-03A	Date Received:	08/29/95
Sample Matrix/Media:	WATER	Date Prepared:	08/30/95
Preparation Method:	EPA 5030	Date Analyzed:	08/30/95
Method Reference:	EPA 8020	Analyst:	WGK

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX			
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	11-57-4	ND	0.4
Surrogates		Recovery (%)	QC Limits (%)
1,4-Difluorobenzene	540-36-3	90	50 - 150

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

Analytical Results
for
Alisto Engineering Group
Client Reference: 10-255-01-003
Clayton Project No. 95083.51

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9508351-04A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	08/30/95
Preparation Method:	EPA 5030	Date Analyzed:	08/30/95
Method Reference:	EPA 8020	Analyst:	WGK

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX			
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	11-57-4	ND	0.4
Surrogates		Recovery (%)	QC Limits (%)
1,4-Difluorobenzene	540-36-3	85	50 - 150

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

Analytical Results
for
Alisto Engineering Group
Client Reference: 10-255-01-003
Clayton Project No. 95083.51

Sample Identification:	See Below	Date Received:	08/29/95
Lab Number:	9508351	Date Extracted:	08/31/95
Sample Matrix/Media:	WATER	Date Analyzed:	09/06/95
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-1	08/24/95	ND	80	a
-04	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 C20 quantitated as diesel.
a Detection limit increased due to presence of heavier hydrocarbons.

Analytical Results
for
Alisto Engineering Group
Client Reference: 10-255-01-003
Clayton Project No. 95083.51

Sample Identification: See Below
Lab Number: 9508351
Sample Matrix/Media: WATER
Preparation Method: EPA 3510
Method Reference: EPA 8015 (Modified)

Date Received: 08/29/95
Date Extracted: 08/31/95
Date Analyzed: 09/06/95

Lab Number	Sample Identification	Date Sampled	TPH-O (ug/L)	Method Detection Limit (ug/L)
-01	MW-1	08/24/95	400	200
-04	METHOD BLANK	--	ND	200

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

TPH-O = Extractable petroleum hydrocarbons from C20 to C42 quantitated as motor oil.

Analytical Results
for
Alisto Engineering Group
Client Reference: 10-255-01-003
Clayton Project No. 95083.51

Sample Identification: See Below
Lab Number: 9508351
Sample Matrix/Media: WATER
Method Reference: EPA 160.1

Date Received: 08/29/95
Date Analyzed: 08/30/95

Lab Number	Sample Identification	Date Sampled	Total Dissolved Solids (mg/L)	Method Detection Limit (mg/L)
-01	MW-1	08/24/95	1300	10
-04	METHOD BLANK	--	<10	10

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

Clayton
ENVIRONMENTAL
CONSULTANTS

Quality Assurance Results Summary

Matrix Spike/Matrix Spike Duplicate Results

for

Clayton Project No. 95083.51

Quality Assurance Results Summary - Matrix Spike/Matrix Spike Duplicate
for
Clayton Project No. 95083.51

Clayton Lab Number:	9508351-LCS	Analytical Method:	EPA 8015
Ext./Prep. Method:	EPA 3510	Instrument ID:	02893
Date:	08/31/95	Date:	09/06/95
Analyst:	HYT	Time:	01:51
Std. Source:	E950706-01W	Analyst:	GUD
Sample Matrix/Media:	WATER	Units:	MG/L
		QC Batch No:	95083178

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	968	97	1,010	101	99	56	137	3.8	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. 95083.51

Clayton Lab Number:	9508351-LCS	Analytical Method:	EPA 8015
Ext./Prep. Method:	EPA 3510	Instrument ID:	02893
Date:	09/11/95	Date:	09/12/95
Analyst:	HYT	Time:	01:59
Std. Source:	G950425-01W	Analyst:	GUD
Sample Matrix/Media:	WATER	Units:	UG/L
		QC Batch No:	95091105

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)
OIL	ND	1,000	896	90	896	90	90	30	130	0.0	40

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. 95083.51

Clayton Lab Number:	9508351-01A	Analytical Method:	EPA8015_8020
Ext./Prep. Method:	EPA-5030	Instrument ID:	05587
Date:	08/30/95	Date:	08/30/95
Analyst:	WGK	Time:	13:53
Std. Source:	V950829-01W	Analyst:	WGK
Sample Matrix/Media:	WATER	Units:	ug/L
		QC Batch No:	950830Z1

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	6.37	6.67	105	6.64	104	104	81	118	0.5	20
ETHYLBENZENE	(PID)	ND	6.89	7.24	105	7.36	107	106	81	114	1.6	20
GASOLINE	(FID)	ND	500	503	101	508	102	101	80	150	1.0	25
TOLUENE	(PID)	ND	43.6	42.7	98	43.4	100	99	84	118	1.6	20
TOTAL XYLENE	(PID)	ND	40.5	41.7	103	41.6	103	103	85	115	0.2	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 1
Project No.	10-255-01-003
Batch No.	9508351
Ind. Code	W.P.
Date Logged In 8/29	By Denise

REPORT RESULTS TO

Name	Andy Nagle
Title	Project manager
Company	Alisto Engineering
Dept.	
Mailing Address	1575 Tice Blvd
City, State, Zip	Walnut Creek Ca 94598
Telephone No.	(510) 295 1650
Telefax No.	(510) 295 1820

Purchase Order No. 201597 | Client Job No.

SEND INVOICE TO

Name	Russ Gates
Company	Port of Oakland
Dept.	
Address	530 Water St
City, State, Zip	Oakland Ca

Date Results Req.: | Rush Charges Authorized? ☐ Yes ☒ No | Phone / Fax Results ☐ ☒

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

* Explanation of Preservative:

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

ANALYSIS REQUESTED
(Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added. *)

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	MATRIX/ MEDIA	AIR VOLUME (specify units)	Number of Containers	BTEX 8020	TDS	TPH gas (modified 8015)	FOR LAB USE ONLY
MW-1 1110	8/24/95	H2O	40ml	6	XP	X	X	01 A-F
QC-1 —	↓	↓	40ml	2	↓			02 A B
QC-2 —	↓	↓	40ml	2	↓			03 A B

CHAIN OF CUSTODY

Collected by: David Cusack (print)	Collector's Signature:	
Relinquished by:	Received by:	Date/Time 8/29/95 8:00
Relinquished by:	Received at Lab by: Denise Shaw	Date/Time 8/29/95 10:3
Method of Shipment: CEC Courier	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

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