AquaGeosciences, Inc.
Groundwater Scientists • Environmental Consultants

June 1, 1993

United Parcel Service
8400 Pardee Drive
Oakland, California 94621

SUBJECT: UST Closure Report for the United Parcel Service Facility located at 8400 Pardee Drive, California

At the request of United Parcel Service (UPS), AquaGeosciences, Inc. performed soil sampling at the removal of one (1) 1,000 gallon underground bulk oil storage tank and one (1) 1,000 gallon underground waste oil storage tank from the United Parcel Service facility located at 8400 Pardee Drive, Oakland, California (Exhibit 1). The removed tanks were of single-walled fiberglass construction, each approximately 17 years old. Both the bulk oil tank and the waste oil tank were damaged during the tank excavation and removal. Although the waste oil tank was broken into several large pieces before removal, areas not damaged appeared to be in good condition. The bulk oil tank appeared intact. However, it was also damaged and contained backfill pea gravel inside it upon removal.

The tank removals were originally scheduled for April 28, 1993; however, the concrete slab overlying the tanks needed to be re-cut in order to properly expose the tanks.

On April 29, 1993, Crisp Petroleum and Environmental Services removed two (2) 1,000 gallon underground storage tanks, 1- bulk oil and 1-waste oil. Ms. Eva Chu from the Alameda County Environmental Health Department and Mr. Gilbert M. Cody from the City of Oakland Fire Prevention Bureau were present to observe the tank removal and sample collections.

Prior to the tank removal, the tanks were triple rinsed and purged using dry ice on-site. The triple rinse and dry ice vapor displacement was performed by Crisp Petroleum and Environmental Services. Evergreen Environmental Services, a Division of California Oil Recyclers was responsible for the hauling and disposal of the rinseate. The tanks were rendered non-hazardous on-site and were removed from the ground, under the direct supervision of Crisp Petroleum and Environmental Services. The tank and associated piping was transported by Trident Truckline, Inc. to Erickson, Inc. Richmond, California. Documentation of the rinseate disposal, tank removals, transportation and tank disposal are enclosed as Appendix A. Photographs of the tank removals are also enclosed as Appendix B.

On April 29, 1993, AquaGeosciences, Inc. collected nine (9) soil samples and one (1) water sample in accordance with Alameda County guidelines after a tank removal. Three (3) soil samples (WO1, WO2, WO3) were collected from the north, southeast and

southwest sidewalls of the waste oil excavation at a depth of 4 feet. Additionally, a composite sample (WO-COMP1) of the waste oil stockpiled soil was also collected. Two (2) soil samples (BO1, BO2) were collected from the north and south sidewalls of the bulk oil excavation at 5 foot and 11.5 foot depths, respectively. Three (3) composite soil samples (BO-COMP 1, 2, 3) from the bulk oil stockpiled soil were also collected. Please Note: the certified laboratory composited the three (3) bulk oil stockpile samples into one (1) for final analyses. Additionally, shallow groundwater was encountered during both tank excavations. One (1) water sample (BO-W1) was collected from the bulk oil excavation at a depth of 10 feet.

A plot plan is drawn to scale, with dimensions of excavation, location of stockpiles, relative buildings, tanks and sample collection points shown on Exhibit 2.

The soil samples were collected from the backhoe bucket immediately after the tank excavations. The samples were stored in 2" x 6" brass tubes, sealed with teflon tape and plastic end caps.

The brass tubes were labeled and promptly placed in an ice chest a 4° centigrade. A chain-of-custody record was initiated which accompanied the samples to the analytical laboratory. The soil samples were submitted to Zymax Envirotechnology, Inc., a State Certified Laboratory, for the analysis requested. In accordance with Alameda County guidelines, the samples collected after the waste oil tank excavation were analyzed for TOG Total Recoverable Petroleum Hydrocarbons (TRPH) using EPA Method 5520, Semi-Volatiles using EPA Method 8270, Chlorinated Hydrocarbons using EPA Method 8010, Total Petroleum Hydrocarbons as gasoline (TPHg) and diesel (TPHd) using EPA Method 8260 and Volatile Aromatics (BTEX) using EPA Method 8020. Additionally, the samples were also analyzed for Lead, Cadmium, Chromium, Zinc, and Nickel. The soil samples collected after the bulk oil tank excavation were analyzed for Total Recoverable Petroleum Hydrocarbons (TRPH) using EPA Method 5520, Total Petroleum Hydrocarbons as diesel (TPHd) using EPA Method 8260 and Volatile Aromatics (BTEX) using EPA Method 8020.

The water sample was collected using a disposable bailer and transferred to a one liter amber jar and VOA vials supplied by the laboratory. The jar and vials were labeled and placed into a cooler at 4° C. for transport to the laboratory under chain of custody control. The water sample was analyzed at Zymax Envirotechnology, Inc., a State of California certified laboratory for Total Recoverable Petroleum Hydrocarbons (TRPH) using EPA Method 5520 and Volatile Aromatics (BTEX) using EPA Method 8020. As an additional QA/QC procedure, a duplicate sample was also collected and a travel blank was included. Duplicates and travel blanks are held at the laboratory until the results are received, and then analyzed, if necessary.

The analytical results for the bulk oil tank removal are provided in Table 1. Copies of the laboratory reports and chain-of custody are included as Appendix C.

ANALYTICAL DATA SUMMARY FOR BULK OIL TANK
UNITED PARCEL SERVICE - OAKLAND
TABLE 1

SAMPLE NO.	TRPH	TPHd	TPHg	BENZENE	TOLUENE	ETHYL BENZENE	XYLENE
BO1 @ 5'	20	ND	NA	ND	ND	ND	ND
BO2 @ 11.5'	16	ND	NA	ND	0.055	ND	ND
BOW1 @ 10' **	NA	NA	NA	ND	ND	1.3	ND
BOCOMP	(17) Turkey mc	ND	NA	ND	ND	ND	ND
PQL (mg/kg)	10	0.5	0.5	0.005	0.005	0.005	0.005
** (µg/L)	-	-	-	0.5	0.5	0.5	0.5

ND = Non Detect NA = Not Analyzed

mg/kg - parts per million (ppm)
µg/L - parts per billion (ppb)

The analytical results for the bulk oil tank excavation indicated that minimal concentrations of Total Recoverable Petroleum Hydrocarbons (TRPH) were detected in the three (3) soil samples submitted for analyses. The analytical results of the water sample (BOW1) indicated non-detect concentrations of TRPH, benzene, toluene, and xylene. Ethylbenzene was detected at a minimal concentration of 1.3 µg/L.

The analytical results of the waste oil tank are provided in Table 2. Copies of the laboratory reports and chain-of-custody are included as Appendix D. Please Note: the analytical results of the semi-volatiles using EPA Method 8270 are not included in Table 2. The analytical results for the semi-volatiles indicated that chrysene, flouranthene, phenanthene and pyrene were detected in WO1 @ 4' and WO2 @ 4'. Additionally, WO1 @ 4' also had reported concentrations of anthracene, benzo (a) anthracene, benzo (a) pyrene, and benzo (b) flouranthene. WO3 @ 4' had one report of 2-methylnaphthalene. The laboratory reports and chain-of-custody are included as Appendix E.

ANALYTICAL DATA SUMMARY FOR WASTE OIL TANK
UNITED PARCEL SERVICE - OAKLAND
TABLE 2

SAMPLE NO.	TRPH	TPHd	TPHg	BENZENE	TOLUENE	ETHYL BENZENE	XYLENE	PURGEABLE HALOCARBONS
WO1 @ 4'	46	ND	ND	ND	ND	ND	ND	ND
WO2 @ 4'	20	ND	ND	ND	ND	ND	ND	ND
WO3 @ 4' *	1900	310	ND	ND	0.4	0.2	1.3	ND
WO COMP *	2000	360	ND	ND	ND	ND	0.6	ND
PQL (mg/kg)	10	0.5	0.5	0.005	0.005	0.005	0.005	0.005
*	75							

SAMPLE NO.	CADMIUM	CHROMIUM	LEAD	NICKEL	ZINC
WO1 @ 4'	0.37	15	6.1	17	26
WO2 @ 4'	0.45	16	6.1	19	27
WO3 @ 4'	0.53	27	20	27	43
WO COMP	0.45	16	9.7	19	37
PQL (mg/kg)	0.03	0.1	0.1	0.1	0.05
TTLC (mg/kg)	100	2500	1000	2000	5000
STLC (mg/L)	1.0	560	5.0	20	250

mg/kg - parts per million (ppm)
ND = Non Detect at indicated PQL

The analytical results for the waste oil tank excavation indicate that moderate to high concentrations of TRPH were detected in all samples submitted. Additionally, moderate concentrations of TPHd was detected in WO3 @ 4' and WO COMP. BTEX was non-detect in all samples except WO3 @ 4', which had minimal concentrations of toluene, ethylbenzene and xylenes. The low concentrations of metals detected are indicative of background levels found in native soil.

Based on the analytical results, AquaGeosciences, Inc. concludes that the bulk oil tank excavation has not been adversely impacted by refined oil range hydrocarbons. The waste oil excavation, however, has evidently been impacted by waste oil and several priority pollutant compounds. The bulk of the impacted soil is subjacent to the remote fill line. The line accessed the waste oil tank from a traffic cover fill port located approximately five feet inside the service bays between bays 530 and 531.

Based upon the above conclusions, AquaGeosciences recommends the following actions at the United Parcel Service site in Oakland:

- Backfill and compact the bulk oil excavation with the existing material previously excavated from that location and sufficient borrow import to bring the fill to within a few inches of surface grade in preparation for paving;

- Sawcut the service bay floor approximately two feet either side of the remote fill centerline and fill port;
- Excavate the remote fill line and trench to groundwater to remove the bulk of the remaining impacted soil;
- Collect confirmatory soil samples in the trench walls and analyze for waste oil constituents per Alameda County requirements; and,
- Backfill and compact the trench with clean fill to within a few inches of grade and replace concrete flooring per UPS specifications;
- Collect one (1) composite soil sample from the excavated spoils and analyze for Total Oil and Grease, TPHd, TPHg/BTEX, and TCLP concentrations of EPA 8270, EPA 8010, and priority metals Pb, Cr, Cd, Zn, and Ni constituents in preparation for appropriate disposal of the impacted soil;
- Review existing site documents regarding groundwater monitoring well locations and install one appropriately placed well to monitor groundwater in the vicinity of the former waste oil UST emplacement;
- Conduct quarterly monitoring of the groundwater well to evaluate potential impact to groundwater in the site vicinity.

We recommend that a copy of this report be submitted to the Alameda County Environmental Health Department. If you have any questions, please do not hesitate to contact the undersigned at (805) 328-0962.

Respectfully Submitted,

AQUAGEOSCIENCES, INC.

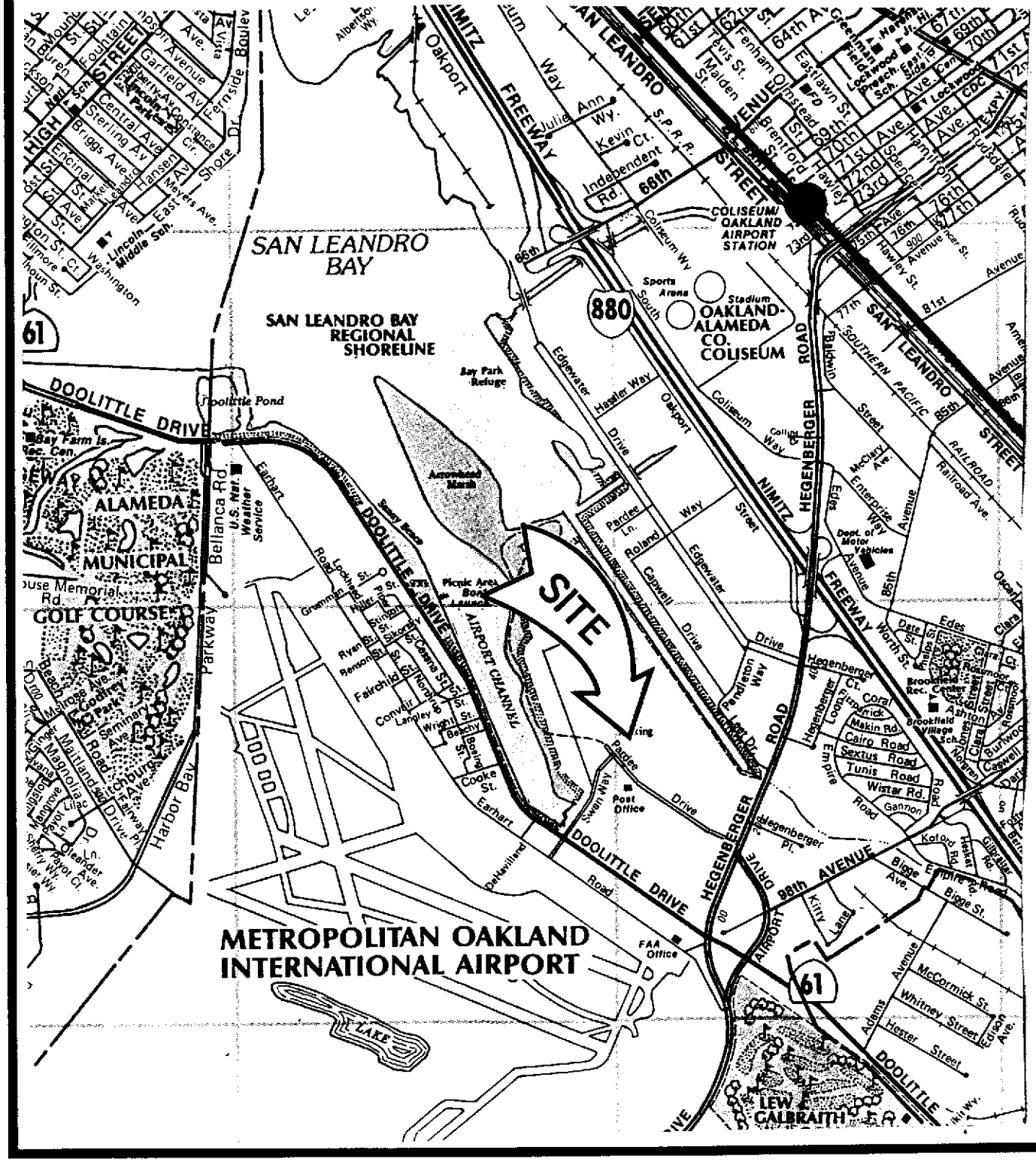
Joel S. Pomerene

Joel Pomerene, R.G. # 4724
Operations Manager

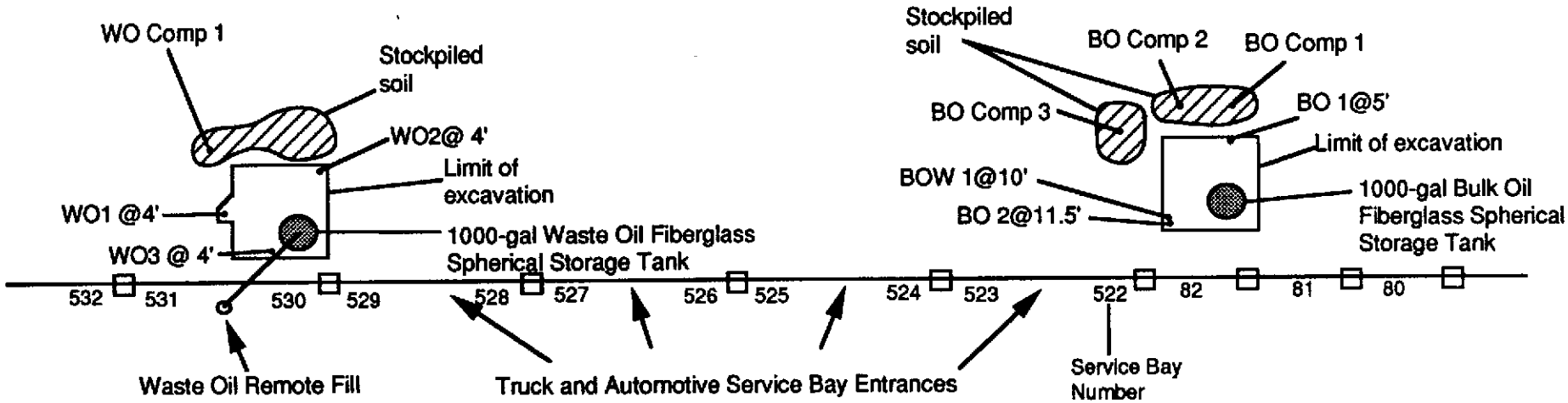
Philip Goalwin

REGISTERED GEOLOGIST
PHILIP GOALWIN
No. 4779
STATE OF CALIFORNIA

Philip Goalwin, R.G. #4779
Principal Hydrogeologist
Registration Expires 6/30/94



AQUAGEOSCIENCES, INC. 1701 WESTWIND DRIVE, SUITE 101 BAKERSFIELD, CALIFORNIA 93301 PHONE: (805) 328-0962 FAX: (805) 328-1129	TITLE UPS REPAIR FACILITY OAKLAND, CALIFORNIA VICINITY MAP	EXHIBIT 1



GARAGE AND SERVICE BUILDING

N

SCALE; 1" = 20'

0' 5' 10' 20' 40'

AquaGeosciences, Inc.
1701 Westwind Drive, Suite 103
Bakersfield, California 93301
Telephone: (805) 328-0962
Fax: (805) 32801129

Title

UPS REPAIR FACILITY
Oakland , California

Exhibit

2

APPENDIX A

DOCUMENTATION

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD097079709 | Manifest Document No. 81262 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
UPS 8490 PARDEE
OAKLAND CA
4. Generator's Phone (209) 734 6381

A. State Manifest Document Number 92289026

B. State Generator's ID

5. Transporter 1 Company Name: Trident Truck Line, Inc.
6. US EPA ID Number: CAD982484370
C. State Transporter's ID 309484
D. Transporter's Phone (510) 783-2881

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
ERICKSON, INC.
255 PARR BLVD.
RICHMOND, CA 94801
10. US EPA ID Number: CAD009466392
G. State Facility's ID CAD009466392
H. Facility's Phone (510) 235-1397

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. EMPTY TANK NON-RCRA HAZARDOUS WASTE SOLID	002	TP	02000	P	State [illegible] EPA/Other [illegible]
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
QUANTITY 2 EMPTY STORAGE TANK(S) 10990
10991
HAVE BEEN INERTED WITH 15 LBS. DRY ICE PER 1000 GAL. CAPACITY

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
KEEP AWAY FROM SOURCES OF IGNITION. ALWAYS WEAR HARDHATS AND GLASSES WHEN WORKING AROUND UNDERGROUND STORAGE TANKS. 24 HR. CONTACT NAME: John Moore AND PHONE: 1-800-359-2777

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
John Moore	[signature]	04	15	93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
BOB SENNA	[signature]	04	28	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS
To: P.O. Box 400, Sacramento, CA 95812-0400

DTSC 8022A (12/91)
EPA 8700—22

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

92289026

GENERATOR

MAY 20 '93 09:25 P.1
RCV BY:XEROX TELECOPIER 7011 ; 5-20-93 9:08AM ; 8052261129:# 1

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 510/271-4320

Bert Johnson

Subject to conditions on back of this page

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

(Barney Chan (510) 271-4320) 8:30 AM

1. Business Name U.P.S.

   Business Owner U.P.S.

2. Site Address 8400 PARDEE DR

   City OAKLAND CA Zip 94621 Phone (510) 633-4036

3. Mailing Address 8400 PARDEE DR

   City OAKLAND Zip 94621 Phone (510) 633-4036

4. Land Owner U.P.S.

   Address 8400 PARDEE DR OAKLAND City, State CA Zip 94621

5. Generator name under which tank will be manifested U.P.S.

   EPA I.D. No. under which tank will be manifested CAD097075709

Pull 1 PM 4-28-93

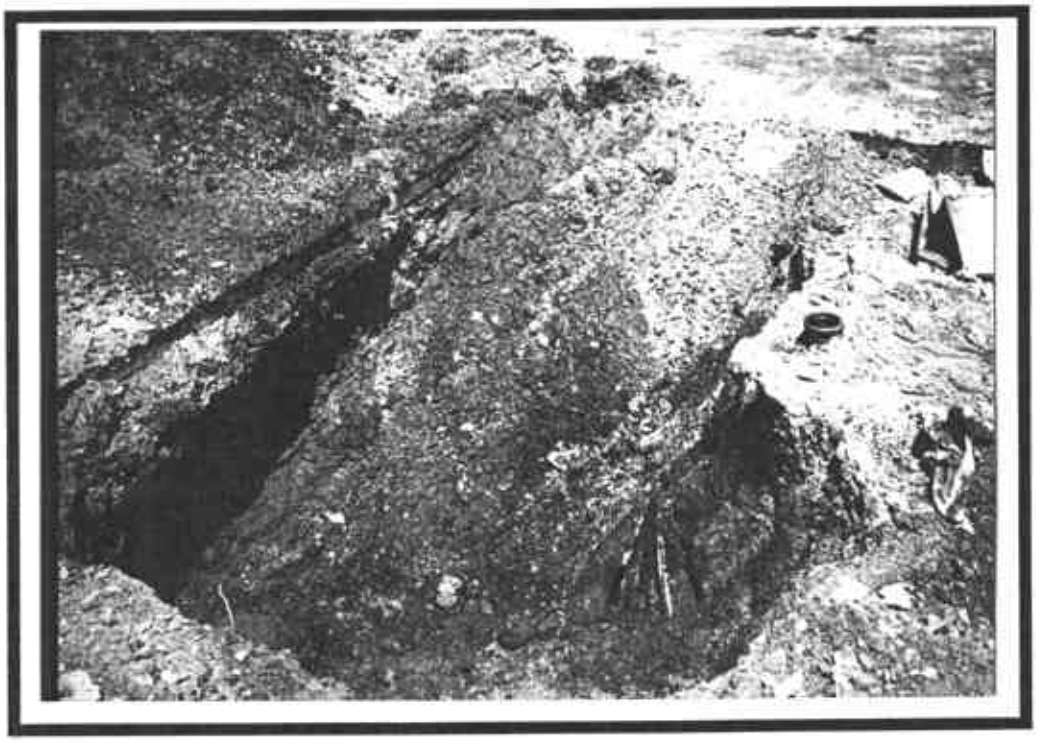
Need Current Cert. of Ins.

FAX 510 569 4757

rev 3/92

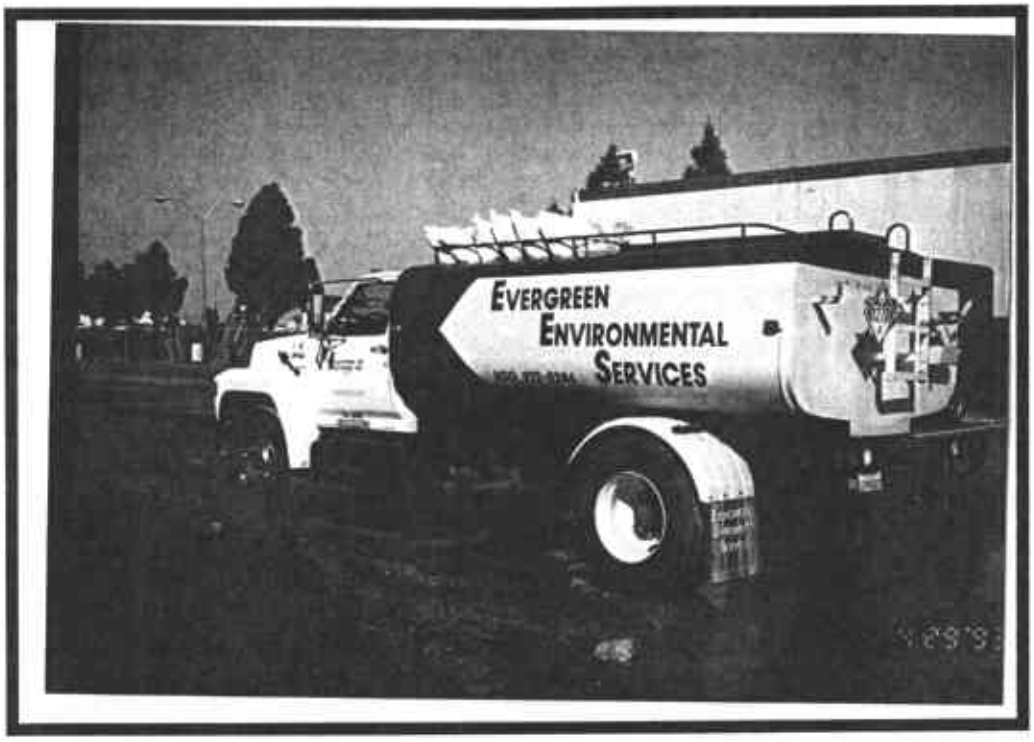
APPENDIX B

PHOTOGRAPHS



1,000 gallon waste oil tank - tank cut by backhoe during exposure 4/28/93

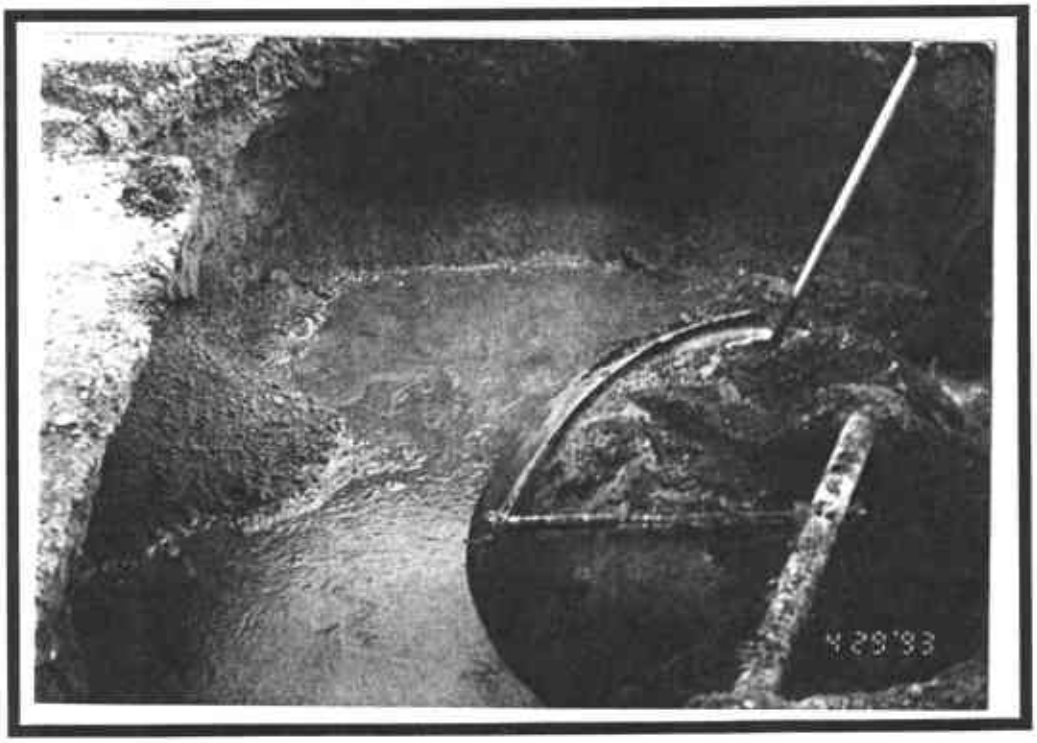
1,000 gallon bulk oil tank - punctured during excavation 4/28/93



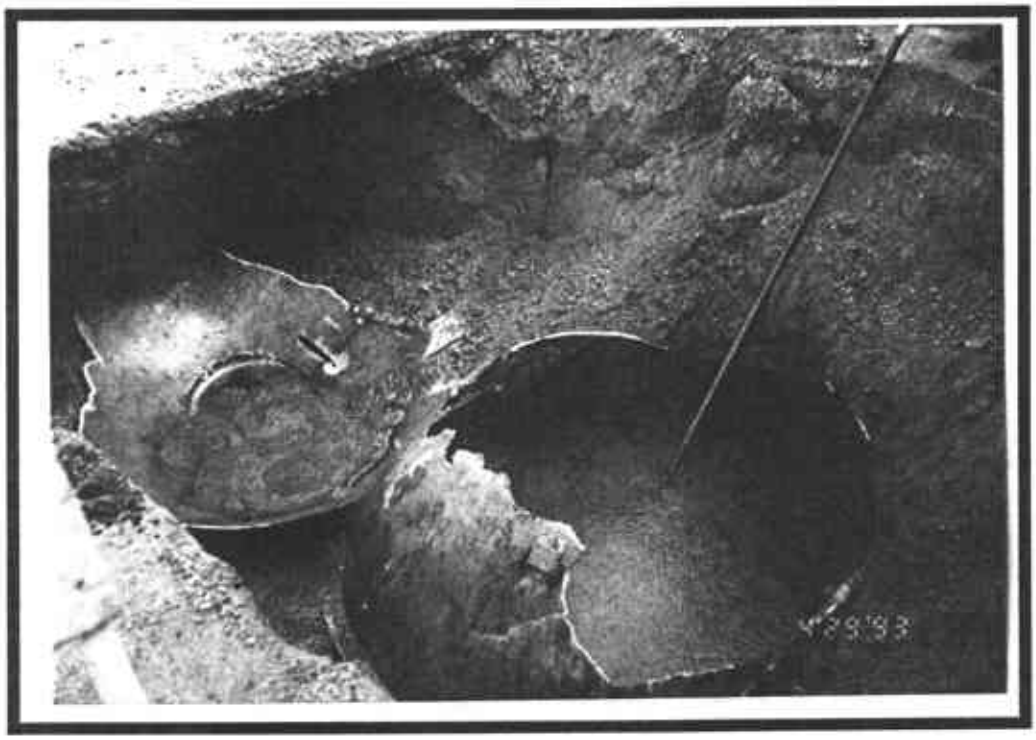
Vacuum Truck Service used to clean out both tanks

Flatbed truck used to transport tanks

waste oil tank clean-out process



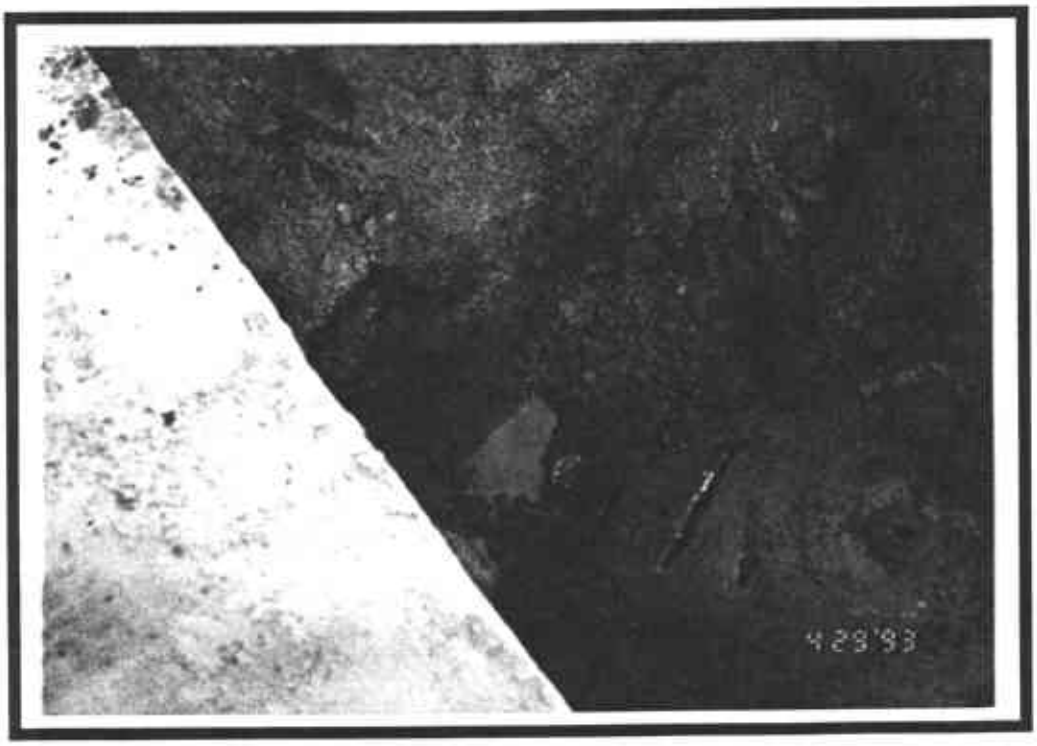
waste oil tank & excavation showing shallow groundwater,
waste oil sludge, and remote fill line in lower right



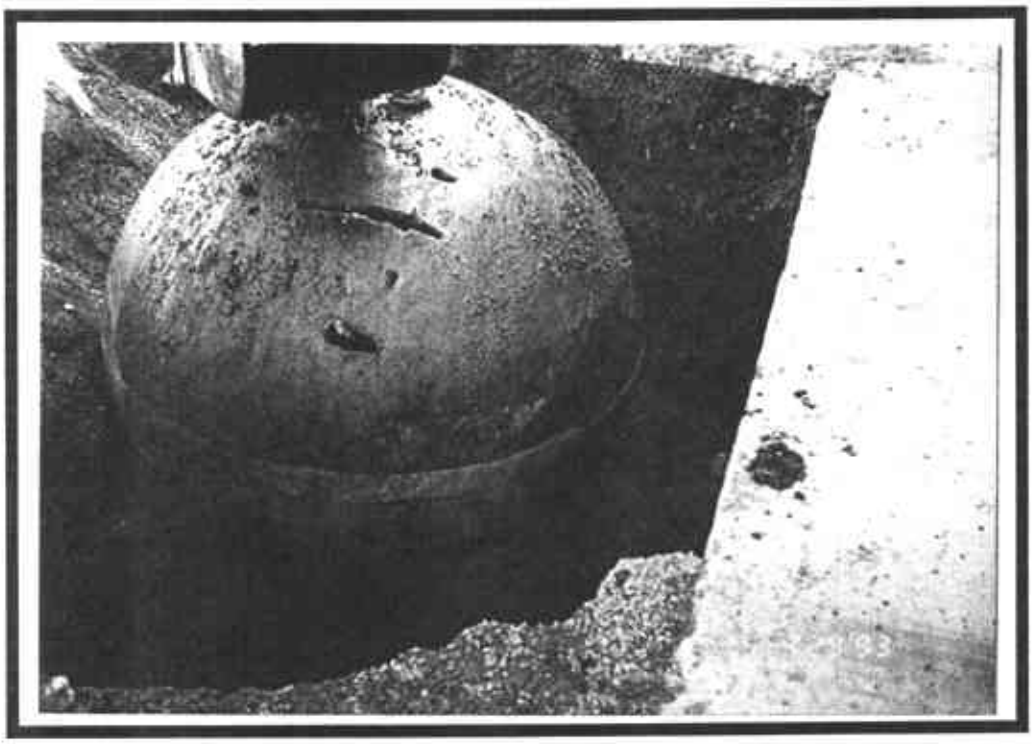
waste oil tank clean-out - tank is filled with groundwater with a thin floating sludge layer

waste oil tank removal process - tank was broken into several pieces as a result of removal efforts

Bulk oil tank exposure with backhoe punctures in tank



Bulk Oil tank excavation showing deeper grooundwater (~11 ft.) and backhoe punctures



Bulk oil tank removal process. Tank was removed basically intact

Bulk oil tank being lift out of excavation

APPENDIX C

LABORATORY REPORTS

AND

CHAIN-OF-CUSTODY

FOR

BULK OIL TANK REMOVAL

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client: Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301	Lab Number: 2129-1 Collected: 04/29/93 Received: 04/30/93 Matrix: Soil
Project: Port of Oakland - UPS Project Number: Collected by: Joel Pomerene	Sample Description: BO1 @ 5' Analyzed: 05/05/93 Method: EPA 8260

CONSTITUENT	PQL* mg/kg	RESULT** mg/kg
Benzene	0.005	ND
Toluene	0.005	ND
Ethylbenzene	0.005	ND
Xylenes	0.005	ND
Percent Surrogate Recovery		86
TOTAL PETROLEUM HYDROCARBONS		
Diesel #2	0.5	ND
BTX as a Percent of Fuel		N/A

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Submitted by,
ZymaX envirotechnology, inc.

John MacMurphey
Laboratory Director

MSD #1
2129-1.xls
JMM/lam/jmm/rr

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client: Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301	Lab Number: 2129-2 Collected: 04/29/93 Received: 04/30/93 Matrix: Soil
Project: Port of Oakland - UPS Project Number: Collected by: Joel Pomerene	Sample Description: BO2 @ 11.5' Analyzed: 05/05/93 Method: EPA 8260

CONSTITUENT	PQL* mg/kg	RESULT** mg/kg
Benzene	0.005	ND
Toluene	0.005	0.055
Ethylbenzene	0.005	ND
Xylenes	0.005	ND
Percent Surrogate Recovery		85
TOTAL PETROLEUM HYDROCARBONS		
Diesel #2	0.5	ND
BTX as a Percent of Fuel		N/A

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Submitted by,
ZymaX envirotechnology, inc.

John MacMurphey
Laboratory Director

MSD #1
2129-2.xls
JMM/lam/jmm/mas

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client: Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301	Lab Number: 2129-3 Collected: 04/29/93 Received: 04/30/93 Matrix: Aqueous
Project: Port of Oakland - UPS Project Number: Collected by: Joel Pomerene	Sample Description: BO-W1 @ 10' Analyzed: 05/05/93 Method: EPA 8260

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	ND
Toluene	0.5	ND
Ethylbenzene	0.5	1.3
Xylenes	0.5	ND
Percent Surrogate Recovery		84

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Submitted by,
ZymaX envirotechnology, inc.

John MacMurphey
Laboratory Director

MSD #1
2129-3.xls
JMM/lam/jmm/mas

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client:	Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301

Lab Number:	2129-4
Collected:	04/29/93
Received:	04/30/93
Matrix:	Soil

Project:	Port of Oakland - UPS
Project Number:	
Collected by:	Joel Pomerene

Sample Description:	BO-COMP
Analyzed:	05/05/93
Method:	EPA 8260

CONSTITUENT	PQL* mg/kg	RESULT** mg/kg
Benzene	0.005	ND
Toluene	0.005	ND
Ethylbenzene	0.005	ND
Xylenes	0.005	ND
Percent Surrogate Recovery		87
TOTAL PETROLEUM HYDROCARBONS		
Diesel #2	0.5	ND
BTX as a Percent of Fuel		N/A

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717
*PQL - Practical Quantitation Limit
**Results listed as ND would have been reported if present at or above the listed PQL.

Submitted by,
ZymaX envirotechnology, inc.

John MacMurphey
John MacMurphey
Laboratory Director

MSD #1
2129-4.xls
JMM/lam/jmm/mas

Accounting/Sales: 319 La Paloma
Shell Beach, California 93449

Lab Services: 71 Zaca Lane, Suite I
San Luis Obispo, California 934
fax 805/544-8226 tel 805/544-46

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULT

Client: Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301	Lab Number: see below Collected: 04/29/93 Received: 04/30/93 Matrix: Soil
Project: Port of Oakland - UPS Project Number: Collected by: Joel Pomerene	Sample Description: see below Analyzed: 05/05/93 Method: EPA 418.1

Total Recoverable Petroleum Hydrocarbons

Lab Number	Sample Description	PQL* mg/kg	RESULT** mg/kg
2129-1	BO1 @ 5'	10.	20.
2129-2	BO2 @ 11.5'	10.	16.
2129-4	BO-COMP	10.	17.
2129-5	WO1 @ 4'	10.	46.
2129-6	WO2 @ 4'	10.	20.
2129-7	WO3 @ 4'	75.	1900.
2129-8	WO-COMP 1	75.	2000.

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Submitted by,
ZymaX envirotechnology, inc.

John MacMurphey
Laboratory Director

IR#1
2129.xls
JMM/lam/jmm/rr

ZymaX environmental technology

71 zaca lane, suite 110 - san luis obispo, ca 93401 - fax 805/544 8226 - tel 805/544 4696

chain of custo

Project Manager JOEL S. POMERENE	Phone (805) 328-0962	Fax 328-1129
Company AQUAGEOSCIENCES	Project Number	
Address 1701 WESTWIND DR., STE. 101 BAKERSFIELD, CA 93301	Project Name PORT OF OAKLAND UNITED PARCEL SERVICE	
	Sampler JOEL POMERENE	

Lab Number	Sample Description	Date Sampled	Time Sampled	Matrix	Preserve	Analysis Requested: TOTAL OIL & GREASE	EPA 8270	EPA 8010	TPH-gasoline	TPH-d	Pb, Cr, Cd, Zn, Ni	BTEX		Remarks
9129-1	BO1 @ 5'	4-29-93	11:00	SOIL	—	✓				✓		✓		BULK OIL (NEW)
-2	BO2 @ 11.5'	"	11:10	"	—	✓				✓		✓		"
-3	BO-W1 @ 10'	"	11:30	WATER	—	✓				✓ JSP		✓		"
-4	BO-COMP 1 *	"	11:40	SOIL	—	✓ JSP				✓ JSP		✓ JSP	→	LAB TO COMPO-SITE
-X	BO-COMP 2 *	"	11:45	"	—	✓				✓		✓		"
-X	BO-COMP 3 *	"	11:50	"	—	✓ JSP				✓ JSP		✓ JSP		"
-5	WO1 @ 4'	"	12:30	"	—	✓	✓	✓	✓	✓	✓	✓		WASTE OIL (OLD)
-6	WO2 @ 4'	"	12:45	"	—	✓	✓	✓	✓	✓	✓	✓		"
-7	WO3 @ 4'	"	12:55	"	—	✓	✓	✓	✓	✓	✓	✓		"
-8	WO-COMP 1	"	13:10	"	—	✓	✓	✓	✓	✓	✓	✓		"

Special Billing/Comments:
LAB TO COMPOSITE SAMPLES: BO-COMP1, BO-COMP2, & BO-COMP3 INTO ONE SAMPLE FOR ANALYSIS: TOTAL OIL & GREASE, TPH-DIESEL, & BTEX

Relinquished by:
Signature JOEL S. POMERENE
Print JOEL S. POMERENE
Company AQUAGEOSCIENCES
Date 4-30-93 Time 15:00

Received by:
Signature Dan Carson
Print DAN CARSON
Company ZYMAX
Date 4-30-93 Time 15:00

Relinquished by:
Signature
Print
Company
Date Time

Received by:
Signature
Print
Company
Date Time

Sample Receipt:

Samples received intact	✓
Samples received cold	✓
Custody seals	—
Correct container types	✓

Page 1 of 1

ZymaX

RC: E:\XEROX TELECOPIER 7011 ; 5-12-93 12:00PM ; 05-12-1993 01:17PM FROM ZymaX TO CCITT G3- 13281129 P.02 8053281129;# 2

APPENDIX D

LABORATORY REPORTS

AND

CHAIN-OF-CUSTODY

FOR

WASTE OIL TANK REMOVAL

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client: Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301	Lab Number: 2129-5 Collected: 04/29/93 Received: 04/30/93 Matrix: Soil
Project: Port of Oakland - UPS Project Number: Collected by: Joel Pomerene	Sample Description: WO1 @ 4' Analyzed: 05/05/93 Method: EPA 8260

CONSTITUENT	PQL* mg/kg	RESULT** mg/kg
Benzene	0.005	ND
Toluene	0.005	ND
Ethylbenzene	0.005	ND
Xylenes	0.005	ND
Percent Surrogate Recovery		82
TOTAL PETROLEUM HYDROCARBONS		
Gasoline	0.5	ND
Diesel #2	0.5	ND
BTX as a Percent of Fuel		N/A

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Submitted by,
ZymaX envirotechnology, inc.

John MacMurphey
Laboratory Director

MSD #1
2129-5a.xls
JMM/lam/jmm/rr

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client:	Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301
Project:	Port of Oakland - UPS
Project Number:	
Collected by:	Joel Pomerene

Lab Number:	2129-5
Collected:	04/29/93
Received:	04/30/93
Matrix:	Soil
Sample Description:	WO1 @ 4'
Analyzed:	05/05/93
Method:	EPA 8260

CONSTITUENT	PQL* mg/kg	RESULT** mg/kg
PURGEABLE HALOCARBONS		
Bromodichloromethane	0.005	ND
Bromoform	0.005	ND
Bromomethane (Methyl Bromide)	0.005	ND
Carbon Tetrachloride	0.005	ND
Chlorobenzene	0.005	ND
Chloroethane (Ethyl Chloride)	0.005	ND
2-Chloroethyl Vinyl Ether	0.010	ND
Chloroform	0.005	ND
Chloromethane (Methyl Chloride)	0.005	ND
Dibromochloromethane	0.005	ND
1,2-Dichlorobenzene	0.005	ND
1,3-Dichlorobenzene	0.005	ND
1,4-Dichlorobenzene	0.005	ND
1,1-Dichloroethane	0.005	ND
1,2-Dichloroethane (EDC)	0.005	ND
1,1-Dichloroethene	0.005	ND
trans-1,2-Dichloroethene	0.005	ND
1,2-Dichloropropane	0.005	ND
cis-1,3-Dichloropropene	0.005	ND
trans-1,3-Dichloropropene	0.005	ND
Methylene Chloride	0.005	ND
1,1,2,2-Tetrachloroethane	0.005	ND
Tetrachloroethene (PCE)	0.005	ND
1,1,1-Trichloroethane (TCA)	0.005	ND
1,1,2-Trichloroethane	0.005	ND
Trichloroethene (TCE)	0.005	ND
Trichlorofluoromethane (freon 11)	0.005	ND
Vinyl Chloride	0.005	ND
Percent Surrogate Recovery		82

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL

Submitted by,
ZymaX envirotechnology, inc.

John MacMurphey
Laboratory Director

MSD #1
2129-5.xls
JMM/lam/jmm/rr

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client:	Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301	Lab Number: Collected: Received: Matrix:	2129-6 04/29/93 04/30/93 Soil
Project: Project Number: Collected by:	Port of Oakland - UPS Joel Pomerene	Sample Description: Analyzed: Method:	WO2 @ 4' 05/05/93 EPA 8260

CONSTITUENT	PQL* mg/kg	RESULT** mg/kg
Benzene	0.005	ND
Toluene	0.005	ND
Ethylbenzene	0.005	ND
Xylenes	0.005	ND
Percent Surrogate Recovery		83
TOTAL PETROLEUM HYDROCARBONS		
Gasoline	0.5	ND
Diesel #2	0.5	ND
BTX as a Percent of Fuel		N/A

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717
*PQL - Practical Quantitation Limit
**Results listed as ND would have been reported if present at or above the listed PQL.

Submitted by,
ZymaX envirotechnology, inc.

John MacMurphey
Laboratory Director

MSD #1
2129-6a.xls
JMM/lam/jmm/rr

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client: Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301	Lab Number: 2129-6 Collected: 04/29/93 Received: 04/30/93 Matrix: Soil
Project: Port of Oakland - UPS Project Number: Collected by: Joel Pomerene	Sample Description: WO2 @ 4' Analyzed: 05/05/93 Method: EPA 8260

CONSTITUENT	PQL* mg/kg	RESULT** mg/kg
PURGEABLE HALOCARBONS		
Bromodichloromethane	0.005	ND
Bromoform	0.005	ND
Bromomethane (Methyl Bromide)	0.005	ND
Carbon Tetrachloride	0.005	ND
Chlorobenzene	0.005	ND
Chloroethane (Ethyl Chloride)	0.005	ND
2-Chloroethyl Vinyl Ether	0.010	ND
Chloroform	0.005	ND
Chloromethane (Methyl Chloride)	0.005	ND
Dibromochloromethane	0.005	ND
1,2-Dichlorobenzene	0.005	ND
1,3-Dichlorobenzene	0.005	ND
1,4-Dichlorobenzene	0.005	ND
1,1-Dichloroethane	0.005	ND
1,2-Dichloroethane (EDC)	0.005	ND
1,1-Dichloroethene	0.005	ND
trans-1,2-Dichloroethene	0.005	ND
1,2-Dichloropropane	0.005	ND
cis-1,3-Dichloropropene	0.005	ND
trans-1,3-Dichloropropene	0.005	ND
Methylene Chloride	0.005	ND
1,1,2,2-Tetrachloroethane	0.005	ND
Tetrachloroethene (PCE)	0.005	ND
1,1,1-Trichloroethane (TCA)	0.005	ND
1,1,2-Trichloroethane	0.005	ND
Trichloroethene (TCE)	0.005	ND
Trichlorofluoromethane (freon 11)	0.005	ND
Vinyl Chloride	0.005	ND
Percent Surrogate Recovery		83

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL

Submitted by,
ZymaX envirotechnology, inc.

John MacMurphey
Laboratory Director

MSD #1
2129-6.xls
JMM/lam/jmm/rr

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client: Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301	Lab Number: 2129-7 Collected: 04/29/93 Received: 04/30/93 Matrix: Soil
Project: Port of Oakland - UPS Project Number: Collected by: Joel Pomerene	Sample Description: WO3 @ 4' Analyzed: 05/05/93 Method: EPA 8260

CONSTITUENT	PQL* mg/kg	RESULT** mg/kg
Benzene	0.1	ND
Toluene	0.1	0.4
Ethylbenzene	0.1	0.2
Xylenes	0.1	1.3
Percent Surrogate Recovery		84
TOTAL PETROLEUM HYDROCARBONS		
Gasoline	10.	ND
Diesel #2	10.	310.
BTX as a Percent of Fuel		<1

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Submitted by,
ZymaX envirotechnology, inc.

John MacMurphey
Laboratory Director

MSD #1
2129-7a.xls
JMM/lam/jmm/mas

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client: Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301	Lab Number: 2129-7 Collected: 04/29/93 Received: 04/30/93 Matrix: Soil
Project: Port of Oakland - UPS Project Number: Collected by: Joel Pomerene	Sample Description: WO3 @ 4' Analyzed: 05/05/93 Method: EPA 8260

CONSTITUENT	PQL* mg/kg	RESULT** mg/kg
PURGEABLE HALOCARBONS		
Bromodichloromethane	0.005	ND
Bromoform	0.005	ND
Bromomethane (Methyl Bromide)	0.005	ND
Carbon Tetrachloride	0.005	ND
Chlorobenzene	0.005	ND
Chloroethane (Ethyl Chloride)	0.005	ND
2-Chloroethyl Vinyl Ether	0.010	ND
Chloroform	0.005	ND
Chloromethane (Methyl Chloride)	0.005	ND
Dibromochloromethane	0.005	ND
1,2-Dichlorobenzene	0.005	ND
1,3-Dichlorobenzene	0.005	ND
1,4-Dichlorobenzene	0.005	ND
1,1-Dichloroethane	0.005	ND
1,2-Dichloroethane (EDC)	0.005	ND
1,1-Dichloroethene	0.005	ND
trans-1,2-Dichloroethene	0.005	ND
1,2-Dichloropropane	0.005	ND
cis-1,3-Dichloropropene	0.005	ND
trans-1,3-Dichloropropene	0.005	ND
Methylene Chloride	0.005	ND
1,1,2,2-Tetrachloroethane	0.005	ND
Tetrachloroethene (PCE)	0.005	ND
1,1,1-Trichloroethane (TCA)	0.005	ND
1,1,2-Trichloroethane	0.005	ND
Trichloroethene (TCE)	0.005	ND
Trichlorofluoromethane (freon 11)	0.005	ND
Vinyl Chloride	0.005	ND
Percent Surrogate Recovery		84

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL

Submitted by,
ZymaX envirotechnology, inc.

John MacMurphey
Laboratory Director

MSD #1
2129-7.xls
JMM/lam/jmm/mas

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client:	Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301	Lab Number: Collected: Received: Matrix:	2129-8 04/29/93 04/30/93 Soil
Project: Project Number: Collected by:	Port of Oakland - UPS Joel Pomerene	Sample Description: Analyzed: Method:	WO-COMP 1 05/05/93 EPA 8260

CONSTITUENT	PQL* mg/kg	RESULT** mg/kg
Benzene	0.1	ND
Toluene	0.1	ND
Ethylbenzene	0.1	ND
Xylenes	0.1	0.6
Percent Surrogate Recovery		83
TOTAL PETROLEUM HYDROCARBONS		
Gasoline	10.	ND
Diesel #2	10.	360.
BTX as a Percent of Fuel		<1

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717
*PQL - Practical Quantitation Limit
**Results listed as ND would have been reported if present at or above the listed PQL.

Submitted by,
ZymaX envirotechnology, inc.

John MacMurphey
Laboratory Director

MSD #1
2129-8a.xls
JMM/lam/jmm/mas

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client: Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301	Lab Number: 2129-8 Collected: 04/29/93 Received: 04/30/93 Matrix: Soil
Project: Port of Oakland - UPS Project Number: Collected by: Joel Pomerene	Sample Description: WO-COMP 1 Analyzed: 05/05/93 Method: EPA 8260

CONSTITUENT	PQL* mg/kg	RESULT** mg/kg
PURGEABLE HALOCARBONS		
Bromodichloromethane	0.005	ND
Bromoform	0.005	ND
Bromomethane (Methyl Bromide)	0.005	ND
Carbon Tetrachloride	0.005	ND
Chlorobenzene	0.005	ND
Chloroethane (Ethyl Chloride)	0.005	ND
2-Chloroethyl Vinyl Ether	0.010	ND
Chloroform	0.005	ND
Chloromethane (Methyl Chloride)	0.005	ND
Dibromochloromethane	0.005	ND
1,2-Dichlorobenzene	0.005	ND
1,3-Dichlorobenzene	0.005	ND
1,4-Dichlorobenzene	0.005	ND
1,1-Dichloroethane	0.005	ND
1,2-Dichloroethane (EDC)	0.005	ND
1,1-Dichloroethene	0.005	ND
trans-1,2-Dichloroethene	0.005	ND
1,2-Dichloropropane	0.005	ND
cis-1,3-Dichloropropene	0.005	ND
trans-1,3-Dichloropropene	0.005	ND
Methylene Chloride	0.005	ND
1,1,2,2-Tetrachloroethane	0.005	ND
Tetrachloroethene (PCE)	0.005	ND
1,1,1-Trichloroethane (TCA)	0.005	ND
1,1,2-Trichloroethane	0.005	ND
Trichloroethene (TCE)	0.005	ND
Trichlorofluoromethane (freon 11)	0.005	ND
Vinyl Chloride	0.005	ND
Percent Surrogate Recovery		83

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL

Submitted by,
ZymaX envirotechnology, inc.

John MacMurphey
Laboratory Director

MSD #1
2129-8.xls
JMM/lam/jmm/mas

Accounting/Sales: 319 La Paloma
Shell Beach, California 93449
fax 805/773-0795 tel 805/773-5402

Lab Services: 71 Zaca Lane, Suite 110
San Luis Obispo, California 93401
fax 805/544-8226 tel 805/544-4696

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULT

Client: Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301	Lab Number: see below Collected: 04/29/93 Received: 04/30/93 Matrix: Soil
Project: Port of Oakland - UPS Project Number: Collected by: Joel Pomerene	Sample Description: see below Analyzed: 05/05/93 Method: EPA 418.1

Total Recoverable Petroleum Hydrocarbons

Lab Number	Sample Description	PQL* mg/kg	RESULT** mg/kg
2129-1	BO1 @ 5'	10.	20.
2129-2	BO2 @ 11.5'	10.	16.
2129-4	BO-COMP	10.	17.
2129-5	WO1 @ 4'	10.	46.
2129-6	WO2 @ 4'	10.	20.
2129-7	WO3 @ 4'	75.	1900.
2129-8	WO-COMP 1	75.	2000.

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Submitted by,
ZymaX envirotechnology, inc.

John MacMurphey
Laboratory Director

IR#1
2129.xls
JMM/lam/jmm/rr

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client:	Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301

Lab Number:	2129-8
Collected:	04/29/93
Received:	04/30/93
Matrix:	Soil

Project:	Port of Oakland - UPS
Project Number:	
Collected by:	Joel Pomerene

Sample Description:	WO-COMP 1
Analyzed:	05/07/93 - 05/10/93
Method:	See below

EPA METHOD	METAL	PQL* mg/kg	RESULT** mg/kg
7130	Cadmium	0.03	0.45
7190	Chromium	0.1	16.
7420	Lead	0.1	9.7
7520	Nickel	0.1	19.
7950	Zinc	0.05	37.

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Note: Analysis performed by CA Department of Health Services certified laboratory #1169

Submitted by,
ZymaX envirotechnology, inc.

John MacMurphey
Laboratory Director

2129-8M.xls
JMM/lam/js

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client:	Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301

Lab Number:	2129-5
Collected:	04/29/93
Received:	04/30/93
Matrix:	Soil

Project:	Port of Oakland - UPS
Project Number:	
Collected by:	Joel Pomerene

Sample Description:	WO1 @ 4'
Analyzed:	05/07/93 - 05/10/93
Method:	See below

EPA METHOD	METAL	PQL* mg/kg	RESULT** mg/kg
7130	Cadmium	0.03	0.37
7190	Chromium	0.1	15.
7420	Lead	0.1	6.1
7520	Nickel	0.1	17.
7950	Zinc	0.05	26.

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Note: Analysis performed by CA Department of Health Services certified laboratory #1169

Submitted by,
ZymaX envirotechnology, inc.

John MacMurphey
Laboratory Director

2129-5M.xls
JMM/lam/js

Accounting/Sales: 319 La Paloma
Shell Beach, California 93449
fax 805/773-0795 tel 805/773-5402

Lab Services: 71 Zaca Lane, Suite 1
San Luis Obispo, California 9340
fax 805/544-8226 tel 805/544-469

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client: Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301	Lab Number: 2129-6 Collected: 04/29/93 Received: 04/30/93 Matrix: Soil
Project: Port of Oakland - UPS Project Number: Collected by: Joel Pomerene	Sample Description: WO2 @ 4' Analyzed: 05/07/93 - 05/10/93 Method: See below

EPA METHOD	METAL	PQL* mg/kg	RESULT** mg/kg
7130	Cadmium	0.03	0.45
7190	Chromium	0.1	16.
7420	Lead	0.1	6.1
7520	Nickel	0.1	19.
7950	Zinc	0.05	27.

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717
*PQL - Practical Quantitation Limit
**Results listed as ND would have been reported if present at or above the listed PQL.

Note: Analysis performed by CA Department of Health Services certified laboratory #1169

Submitted by,
ZymaX envirotechnology, inc.

John MacMurphey
Laboratory Director

2129-6M.xls
JMM/lam/js

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client:	Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301
Project:	Port of Oakland - UPS
Project Number:	
Collected by:	Joel Pomerene

Lab Number:	2129-7
Collected:	04/29/93
Received:	04/30/93
Matrix:	Soil
Sample Description:	WO3 @ 4'
Analyzed:	05/07/93 - 05/10/93
Method:	See below

EPA METHOD	METAL	PQL* mg/kg	RESULT** mg/kg
7130	Cadmium	0.03	0.53
7190	Chromium	0.1	27.
7420	Lead	0.1	20.
7520	Nickel	0.1	27.
7950	Zinc	0.05	43.

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Note: Analysis performed by CA Department of Health Services certified laboratory #1169

Submitted by,
ZymaX envirotechnology, inc.

John MacMurphey
Laboratory Director

2129-7M.xls
JMM/lam/js

ZymaX environmental technology

chain of custody

71 zaca lane, suite 110 · san luis obispo, ca 93401 · fax 805/544 8226 · tel 805/544 4696

Project Manager: JOEL S. POMERENE	Phone: (805) 328-0962	Fax: 328-1129
Company: AQUAGEOSCIENCES	Project Number:	
Address: 1701 WESTWIND DR., STE. 101, BAKERS FIELD, CA 93301	Project Name: PORT OF OAKLAND UNITED PARCEL SERVICE	
	Sampler: JOEL POMERENE	

Lab Number	Sample Description	Date Sampled	Time Sampled	Matrix	Preserve	Analysis Requested: TOTAL OIL & GREASE	EPA 8270	EPA 8010	TPH-gasoline	TPH-d	Pb, Cr, Cd, Zn, Ni	BTEX		Remarks
2129-1	BO1 @ 5'	4-29-93	11:00	SOIL	—	✓				✓		✓		BULK OIL (NEW)
-2	BO2 @ 11.5'	"	11:10	"	—	✓				✓		✓		"
-3	BO-W1 @ 10'	"	11:30	WATER	—	✓				✓ ISP		✓		"
-4	BO-COMP 1 *	"	11:40	SOIL	—	✓ ISP				✓ ISP		✓ ISP	→	LAB TO COMPO-SITE
-5	BO-COMP 2 *	"	11:45	"	—	✓				✓		✓		"
-6	BO-COMP 3 *	"	11:50	"	—	✓ ISP				✓ ISP		✓ ISP		"
-5	WO1 @ 4'	"	12:30	"	—	✓	✓	✓	✓	✓	✓	✓		WASTE OIL (OLD)
-6	WO2 @ 4'	"	12:45	"	—	✓	✓	✓	✓	✓	✓	✓		"
-7	WO3 @ 4'	"	12:55	"	—	✓	✓	✓	✓	✓	✓	✓		"
-8	WO-COMP 1	"	13:10	"	—	✓	✓	✓	✓	✓	✓	✓		"

Special Billing/Comments:
LAB TO COMPOSITE SAMPLES: BO-COMP1, BO-COMP2, & BO-COMP3 INTO ONE SAMPLE FOR ANALYSIS: TOTAL OIL & GREASE, TPH-DIESEL, & BTEX

Sample Receipt:

Samples received intact	✓
Samples received cold	✓
Custody seals	–
Correct container types	✓

Relinquished by:
Signature: JOEL S. POMERENE
Print: JOEL S. POMERENE
Company: AQUAGEOSCIENCES
Date: 4-30-93 Time: 15:00

Received by:
Signature: Dan Carson
Print: DAN CARSON
Company: ZYMAX
Date: 4-30-93 Time: 15:00

Relinquished by:
Signature:
Print:
Company:
Date: Time:

Received by:
Signature:
Print:
Company:
Date: Time:

Page 1 of 1

ZymaX

05-12-1993 01:17PM FROM ZymaX TO 13281129 P.02

APPENDIX E

LABORATORY REPORTS

AND

CHAIN-OF-CUSTODY

FOR

SEMI-VOLATILES - EPA METHOD 8270

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client: Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301	Lab Number: 2129-8 Collected: 04/29/93 Received: 04/30/93 Matrix: Soil
Project: Port of Oakland - UPS Project Number: Collected by: Joel Pomerene	Sample Description: WO-COMP 1 Analyzed: 05/11/93 Method: EPA 8270

CONSTITUENT	PQL* ug/kg	RESULT** ug/kg
HAZARDOUS SUBSTANCES COMPOUNDS		
Aniline	100.	ND
Benzoic Acid	500.	ND
Benzyl alcohol	100.	ND
4-Chloroaniline	100.	ND
Dibenzofuran	100.	ND
2-Methylnaphthalene	100.	ND
2-Methylphenol	100.	ND
4-Methylphenol	100.	ND
2-Nitroaniline	500.	ND
3-Nitroaniline	500.	ND
4-Nitroaniline	500.	ND
2,4,5-Trichlorophenol	500.	ND

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717
*PQL - Practical Quantitation Limit
**Results listed as ND would have been reported if present at or above the listed PQL.

Note: Analysis performed by CA Department of Health Services certified laboratory #365/1544.

Submitted by,
ZymaX envirotechnology, inc.

2129-8b.xls
JMM/lam/js

John MacMurphey
Laboratory Director

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS
Page 1 of 3

Client: Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301	Lab Number: 2129-8 Collected: 04/29/93 Received: 04/30/93 Matrix: Soil
Project: Port of Oakland - UPS Project Number: Collected by: Joel Pomerene	Sample Description: WO-COMP 1 Analyzed: 05/11/93 Method: EPA 8270

CONSTITUENT	PQL* ug/kg	RESULT** ug/kg
BASE/NEUTRAL EXTRACTABLE PRIORITY POLLUTANTS		
Acenaphthene	100.	ND
Acenaphthylene	100.	ND
Anthracene	100.	ND
Azobenzene	200.	ND
Benzidine	250.	ND
Benzo (a) anthracene	100.	ND
Benzo (a) pyrene	100.	ND
Benzo (g, h, i) perylene	100.	ND
Benzo (b) flouranthene	100.	ND
Benzo (k) flouranthene	100.	ND
bis (2-Chloroethoxy) methane	100.	ND
bis (2-Chloroethyl) ether	100.	ND
bis (2-Chloroisopropyl) ether	100.	ND
bis (2-Ethylhexyl) phthalate	500.	ND
4-Bromophenylphenylether	100.	ND
Butyl benzyl phthalate	100.	ND
2-Chloronaphthalene	100.	ND
4-Chlorophenyl phenyl ether	100.	ND
Chrysene	100.	ND
Dibenzo (a,h) anthracene	100.	ND
1,2-Dichlorobenzene	100.	ND
1,3-Dichlorobenzene	100.	ND
1,4-Dichlorobenzene	100.	ND
3,3-Dichlorobenzidine	500.	ND
Diethyl phthalate	100.	ND
Dimethyl phthalate	500.	ND
Di-n-butyl phthalate	500.	ND
2,4-Dinitrotoluene	100.	ND
2,6-Dinitrotoluene	100.	ND
Di-n-octyl phthalate	100.	ND

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717
*PQL - Practical Quantitation Limit
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ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client:	Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301	Lab Number: Collected: Received: Matrix:	2129-8 04/29/93 04/30/93 Soil
Project:	Port of Oakland - UPS	Sample Description:	WO-COMP 1
Project Number:		Analyzed:	05/11/93
Collected by:	Joel Pomerene	Method:	EPA 8270

CONSTITUENT	PQL* ug/kg	RESULT** ug/kg
BASE/NEUTRAL EXTRACTABLE PRIORITY POLLUTANTS		
Flouranthene	100.	ND
Flourene	100.	ND
Hexachlorobenzene	100.	ND
Hexachlorobutadiene	100.	ND
Hexachlorocyclopentadiene	100.	ND
Hexachloroethane	100.	ND
Indeno (1,2,3-c,d) pyrene	100.	ND
Isophorone	100.	ND
Naphthalene	100.	ND
Nitrobenzene	100.	ND
N-Nitroso-di-N-propylamine	100.	ND
N-Nitrosodiphenylamine	100.	ND
Phenanthrene	100.	ND
Pyrene	100.	ND
1,2,4-Trichlorobenzene	100.	ND
ACID EXTRACTABLE PRIORITY POLLUTANTS		
2-Chlorophenol	100.	ND
2,4-Dichlorophenol	100.	ND
2,4-Dimethylphenol	100.	ND
4,6-Dinitro-2-methylphenol	500.	ND
2-Nitrophenol	100.	ND
4-Nitrophenol	500.	ND
4-Chloro-3-methylphenol	100.	ND
Pentachlorophenol	500.	ND
Phenol	100.	ND
2,4,6-Trichlorophenol	100.	ND

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*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

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ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client: Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301	Lab Number: 2129-5 Collected: 04/29/93 Received: 04/30/93 Matrix: Soil
Project: Port of Oakland - UPS Project Number: Collected by: Joel Pomerene	Sample Description: WO1 @ 4' Analyzed: 05/11/93 Method: EPA 8270

CONSTITUENT	PQL* ug/kg	RESULT** ug/kg
HAZARDOUS SUBSTANCES COMPOUNDS		
Aniline	100.	ND
Benzoic Acid	500.	ND
Benzyl alcohol	100.	ND
4-Chloroaniline	100.	ND
Dibenzofuran	100.	ND
2-Methylnaphthalene	100.	ND
2-Methylphenol	100.	ND
4-Methylphenol	100.	ND
2-Nitroaniline	500.	ND
3-Nitroaniline	500.	ND
4-Nitroaniline	500.	ND
2,4,5-Trichlorophenol	500.	ND

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717
*PQL - Practical Quantitation Limit
**Results listed as ND would have been reported if present at or above the listed PQL.

Note: Analysis performed by CA Department of Health Services certified laboratory #365/1544.

Submitted by,
ZymaX envirotechnology, inc.

2129-5b.xls
JMM/lam/js

John MacMurphey
Laboratory Director

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client: Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301	Lab Number: 2129-5 Collected: 04/29/93 Received: 04/30/93 Matrix: Soil
Project: Port of Oakland - UPS Project Number: Collected by: Joel Pomerene	Sample Description: WO1 @ 4' Analyzed: 05/11/93 Method: EPA 8270

CONSTITUENT	PQL* ug/kg	RESULT** ug/kg
BASE/NEUTRAL EXTRACTABLE PRIORITY POLLUTANTS		
Acenaphthene	100.	ND
Acenaphthylene	100.	ND
Anthracene	100.	150.
Azobenzene	200.	ND
Benzidine	250.	ND
Benzo (a) anthracene	100.	150.
Benzo (a) pyrene	100.	120.
Benzo (g, h, i) perylene	100.	ND
Benzo (b) flouranthene	100.	120.
Benzo (k) flouranthene	100.	ND
bis (2-Chloroethoxy) methane	100.	ND
bis (2-Chloroethyl) ether	100.	ND
bis (2-Chloroisopropyl) ether	100.	ND
bis (2-Ethylhexyl) phthalate	500.	ND
4-Bromophenylphenylether	100.	ND
Butyl benzyl phthalate	100.	ND
2-Chloronaphthalene	100.	ND
4-Chlorophenyl phenyl ether	100.	ND
Chrysene	100.	160.
Dibenzo (a,h) anthracene	100.	ND
1,2-Dichlorobenzene	100.	ND
1,3-Dichlorobenzene	100.	ND
1,4-Dichlorobenzene	100.	ND
3,3-Dichlorobenzidine	500.	ND
Diethyl phthalate	100.	ND
Dimethyl phthalate	500.	ND
Di-n-butyl phthalate	500.	ND
2,4-Dinitrotoluene	100.	ND
2,6-Dinitrotoluene	100.	ND
Di-n-octyl phthalate	100.	ND

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717
*PQL - Practical Quantitation Limit
**Results listed as ND would have been reported if present at or above the listed PQL.

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ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client: Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301	Lab Number: 2129-5 Collected: 04/29/93 Received: 04/30/93 Matrix: Soil
Project: Port of Oakland - UPS Project Number: Collected by: Joel Pomerene	Sample Description: WO1 @ 4' Analyzed: 05/11/93 Method: EPA 8270

CONSTITUENT	PQL* ug/kg	RESULT** ug/kg
BASE/NEUTRAL EXTRACTABLE PRIORITY POLLUTANTS		
Flouranthene	100.	310000.
Flourene	100.	ND
Hexachlorobenzene	100.	ND
Hexachlorobutadiene	100.	ND
Hexachlorocyclopentadiene	100.	ND
Hexachloroethane	100.	ND
Indeno (1,2,3-c,d) pyrene	100.	ND
Isophorone	100.	ND
Naphthalene	100.	ND
Nitrobenzene	100.	ND
N-Nitroso-di-N-propylamine	100.	ND
N-Nitrosodiphenylamine	100.	ND
Phenanthrene	100.	440.
Pyrene	100.	340.
1,2,4-Trichlorobenzene	100.	ND
ACID EXTRACTABLE PRIORITY POLLUTANTS		
2-Chlorophenol	100.	ND
2,4-Dichlorophenol	100.	ND
2,4-Dimethylphenol	100.	ND
4,6-Dinitro-2-methylphenol	500.	ND
2-Nitrophenol	100.	ND
4-Nitrophenol	500.	ND
4-Chloro-3-methylphenol	100.	ND
Pentachlorophenol	500.	ND
Phenol	100.	ND
2,4,6-Trichlorophenol	100.	ND

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

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**Results listed as ND would have been reported if present at or above the listed PQL.

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ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client:	Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301	Lab Number: Collected: Received: Matrix:	2129-6 04/29/93 04/30/93 Soil
Project: Project Number: Collected by:	Port of Oakland - UPS Joel Pomerene	Sample Description: Analyzed: Method:	WO2.@ 4' 05/11/93 EPA 8270

CONSTITUENT	PQL* ug/kg	RESULT** ug/kg
HAZARDOUS SUBSTANCES COMPOUNDS		
Aniline	100.	ND
Benzoic Acid	500.	ND
Benzyl alcohol	100.	ND
4-Chloroaniline	100.	ND
Dibenzofuran	100.	ND
2-Methylnaphthalene	100.	ND
2-Methylphenol	100.	ND
4-Methylphenol	100.	ND
2-Nitroaniline	500.	ND
3-Nitroaniline	500.	ND
4-Nitroaniline	500.	ND
2,4,5-Trichlorophenol	500.	ND

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*PQL - Practical Quantitation Limit
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Note: Analysis performed by CA Department of Health Services certified laboratory #365/1544.

Submitted by,
ZymaX envirotechnology, inc.

2129-6b.xls
JMM/lam/js

John MacMurphey
Laboratory Director

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client:	Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301
Project:	Port of Oakland - UPS
Project Number:	
Collected by:	Joel Pomerene

Lab Number:	2129-6
Collected:	04/29/93
Received:	04/30/93
Matrix:	Soil
Sample Description:	WO2 @ 4'
Analyzed:	05/11/93
Method:	EPA 8270

CONSTITUENT	PQL* ug/kg	RESULT** ug/kg
BASE/NEUTRAL EXTRACTABLE PRIORITY POLLUTANTS		
Acenaphthene	100.	ND
Acenaphthylene	100.	ND
Anthracene	100.	ND
Azobenzene	200.	ND
Benzidine	250.	ND
Benzo (a) anthracene	100.	ND
Benzo (a) pyrene	100.	ND
Benzo (g, h, i) perylene	100.	ND
Benzo (b) flouranthene	100.	ND
Benzo (k) flouranthene	100.	ND
bis (2-Chloroethoxy) methane	100.	ND
bis (2-Chloroethyl) ether	100.	ND
bis (2-Chloroisopropyl) ether	100.	ND
bis (2-Ethylhexyl) phthalate	500.	ND
4-Bromophenylphenylether	100.	ND
Butyl benzyl phthalate	100.	ND
2-Chloronaphthalene	100.	ND
4-Chlorophenyl phenyl ether	100.	ND
Chrysene	100.	110.
Dibenzo (a,h) anthracene	100.	ND
1,2-Dichlorobenzene	100.	ND
1,3-Dichlorobenzene	100.	ND
1,4-Dichlorobenzene	100.	ND
3,3-Dichlorobenzidine	500.	ND
Diethyl phthalate	100.	ND
Dimethyl phthalate	500.	ND
Di-n-butyl phthalate	500.	ND
2,4-Dinitrotoluene	100.	ND
2,6-Dinitrotoluene	100.	ND
Di-n-octyl phthalate	100.	ND

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ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client:	Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301
Project:	Port of Oakland - UPS
Project Number:	
Collected by:	Joel Pomerene

Lab Number:	2129-6
Collected:	04/29/93
Received:	04/30/93
Matrix:	Soil
Sample Description:	WO2 @ 4'
Analyzed:	05/11/93
Method:	EPA 8270

CONSTITUENT	PQL* ug/kg	RESULT** ug/kg
BASE/NEUTRAL EXTRACTABLE PRIORITY POLLUTANTS		
Flouranthene	100.	190.
Flourene	100.	ND
Hexachlorobenzene	100.	ND
Hexachlorobutadiene	100.	ND
Hexachlorocyclopentadiene	100.	ND
Hexachloroethane	100.	ND
Indeno (1,2,3-c,d) pyrene	100.	ND
Isophorone	100.	ND
Naphthalene	100.	ND
Nitrobenzene	100.	ND
N-Nitroso-di-N-propylamine	100.	ND
N-Nitrosodiphenylamine	100.	ND
Phenanthrene	100.	180.
Pyrene	100.	220.
1,2,4-Trichlorobenzene	100.	ND
ACID EXTRACTABLE PRIORITY POLLUTANTS		
2-Chlorophenol	100.	ND
2,4-Dichlorophenol	100.	ND
2,4-Dimethylphenol	100.	ND
4,6-Dinitro-2-methylphenol	500.	ND
2-Nitrophenol	100.	ND
4-Nitrophenol	500.	ND
4-Chloro-3-methylphenol	100.	ND
Pentachlorophenol	500.	ND
Phenol	100.	ND
2,4,6-Trichlorophenol	100.	ND

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ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client: Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301	Lab Number: 2129-7 Collected: 04/29/93 Received: 04/30/93 Matrix: Soil
Project: Port of Oakland - UPS Project Number: Collected by: Joel Pomerene	Sample Description: WO3 @ 4' Analyzed: 05/11/93 Method: EPA 8270

CONSTITUENT	PQL* ug/kg	RESULT** ug/kg
HAZARDOUS SUBSTANCES COMPOUNDS		
Aniline	100.	ND
Benzoic Acid	500.	ND
Benzyl alcohol	100.	ND
4-Chloroaniline	100.	ND
Dibenzofuran	100.	ND
2-Methylnaphthalene	100.	1100.
2-Methylphenol	100.	ND
4-Methylphenol	100.	ND
2-Nitroaniline	500.	ND
3-Nitroaniline	500.	ND
4-Nitroaniline	500.	ND
2,4,5-Trichlorophenol	500.	ND

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Note: Analysis performed by CA Department of Health Services certified laboratory #365/1544.

Submitted by,
ZymaX envirotechnology, inc.

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John MacMurphey
Laboratory Director

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS
Page 1 of 3

Client: Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301	Lab Number: 2129-7 Collected: 04/29/93 Received: 04/30/93 Matrix: Soil
Project: Port of Oakland - UPS Project Number: Collected by: Joel Pomerene	Sample Description: WO3 @ 4' Analyzed: 05/11/93 Method: EPA 8270

CONSTITUENT	PQL* ug/kg	RESULT** ug/kg
BASE/NEUTRAL EXTRACTABLE PRIORITY POLLUTANTS		
Acenaphthene	100.	ND
Acenaphthylene	100.	ND
Anthracene	100.	ND
Azobenzene	200.	ND
Benzidine	250.	ND
Benzo (a) anthracene	100.	ND
Benzo (a) pyrene	100.	ND
Benzo (g, h, i) perylene	100.	ND
Benzo (b) flouranthene	100.	ND
Benzo (k) flouranthene	100.	ND
bis (2-Chloroethoxy) methane	100.	ND
bis (2-Chloroethyl) ether	100.	ND
bis (2-Chloroisopropyl) ether	100.	ND
bis (2-Ethylhexyl) phthalate	500.	ND
4-Bromophenylphenylether	100.	ND
Butyl benzyl phthalate	100.	ND
2-Chloronaphthalene	100.	ND
4-Chlorophenyl phenyl ether	100.	ND
Chrysene	100.	ND
Dibenzo (a,h) anthracene	100.	ND
1,2-Dichlorobenzene	100.	ND
1,3-Dichlorobenzene	100.	ND
1,4-Dichlorobenzene	100.	ND
3,3-Dichlorobenzidine	500.	ND
Diethyl phthalate	100.	ND
Dimethyl phthalate	500.	ND
Di-n-butyl phthalate	500.	ND
2,4-Dinitrotoluene	100.	ND
2,6-Dinitrotoluene	100.	ND
Di-n-octyl phthalate	100.	ND

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717
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ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS
Page 2 of 3

Client: Joel S. Pomerene Aqua Geosciences, Inc. 1701 Westwind Dr., Suite 101 Bakersfield, CA 93301	Lab Number: 2129-7 Collected: 04/29/93 Received: 04/30/93 Matrix: Soil
Project: Port of Oakland - UPS Project Number: Collected by: Joel Pomerene	Sample Description: W03 @ 4' Analyzed: 05/11/93 Method: EPA 8270

CONSTITUENT	PQL* ug/kg	RESULT** ug/kg
BASE/NEUTRAL EXTRACTABLE PRIORITY POLLUTANTS		
Flouranthene	100.	ND
Flourene	100.	ND
Hexachlorobenzene	100.	ND
Hexachlorobutadiene	100.	ND
Hexachlorocyclopentadiene	100.	ND
Hexachloroethane	100.	ND
Indeno (1,2,3-c,d) pyrene	100.	ND
Isophorone	100.	ND
Naphthalene	100.	ND
Nitrobenzene	100.	ND
N-Nitroso-di-N-propylamine	100.	ND
N-Nitrosodiphenylamine	100.	ND
Phenanthrene	100.	ND
Pyrene	100.	ND
1,2,4-Trichlorobenzene	100.	ND
ACID EXTRACTABLE PRIORITY POLLUTANTS		
2-Chlorophenol	100.	ND
2,4-Dichlorophenol	100.	ND
2,4-Dimethylphenol	100.	ND
4,6-Dinitro-2-methylphenol	500.	ND
2-Nitrophenol	100.	ND
4-Nitrophenol	500.	ND
4-Chloro-3-methylphenol	100.	ND
Pentachlorophenol	500.	ND
Phenol	100.	ND
2,4,6-Trichlorophenol	100.	ND

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717
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**Results listed as ND would have been reported if present at or above the listed PQL.

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Zymax envirotechnology

71 zaca lane, suite 110 - san luis obispo, ca 9340[illegible] fax 805/544 8226 - tel 805/544 4696

chain of custody

Project Manager: JOEL S. POMEREENE	Phone: (805) 328-0962	Fax: 328-1129
Company: AQUAGEOSCIENCES	Project Number:	
Address: 1701 WESTWIND DR., STE. 101, BAKERSFIELD, CA 93301	Project Name: PORT OF OAKLAND, UNITED PARCEL SERVICE	
	Sampler: JOEL POMEREENE	

Lab Number	Sample Description	Date Sampled	Time Sampled	Matrix	Preserve	Analysis Requested: Total Oil & Grease 5520	EPA 8270	EPA 8010	TPH-Gasoline	TPH-D	Pb, Cr, Cd, Zn, Ni	BTEX		Remarks
2129-1	BO1 @ 5'	4-29-93	11:00	SOIL	—	✓				✓		✓		BULK OIL (NEW)
-2	BO2 @ 11.5'	"	11:10	"	—	✓				✓		✓		"
-3	BO-W1 @ 10'	"	11:30	WATER	—	✓				✗ SSP		✓		"
-4	BO-COMP 1 *	"	11:40	SOIL	—	✗ SSP				✗ SSP		✗ SSP	→	LAB TO COMPOSITE
-X	BO-COMP 2 *	"	11:45	"	—	✓				✓		✓	A	"
-X	BO-COMP 3 *	"	11:50	"	—	✗ SSP				✗ SSP		✗ SSP		"
-5	WO1 @ 4'	"	12:30	"	—	✓	✓	✓	✓	✓	✓	✓		WASTE OIL (OLD)
-6	WO2 @ 4'	"	12:45	"	—	✓	✓	✓	✓	✓	✓	✓		"
-7	WO3 @ 4'	"	12:55	"	—	✓	✓	✓	✓	✓	✓	✓		"
-8	WO-COMP 1	"	13:10	"	—	✓	✓	✓	✓	✓	✓	✓		"

Special Billing/Comments:

* LAB TO COMPOSITE SAMPLES: BO-COMP 1, BO-COMP 2, & BO-COMP 3 INTO ONE SAMPLE FOR ANALYSIS: TOTAL OIL & GREASE, TPH-DIESEL, & BTEX

Sample Receipt:

Samples received intact	✓
Samples received cold	✓
Custody seals	–
Correct container types	✓

Relinquished by:

Signature: JOEL S. Pomereene

Print: JOEL S. POMEREENE

Company: AQUAGEOSCIENCES

Date: 4-30-93 Time: 15:00

Received by:

Signature: Dan Carson

Print: DAN CARSON

Company: ZYMAX

Date: 4-30-93 Time: 15:00

Relinquished by:

Signature:

Print:

Company:

Date: Time:

Received by:

Signature:

Print:

Company:

Date: Time:

15:00

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ZymaX

05-17-1993 12:33AM FROM ZymaX TO 13281129 P.01