TANK CLOSURE REPORT

Xtra Oil Company Service Station
1701 Park Street
Alameda, California

July 1994

Project No. 10-210

July 1994

TANK CLOSURE REPORT

Xtra Oil Company Service Station
1701 Park Street
Alameda, California

Project No. 10-210-01-005

Prepared for:

Xtra Oil Company
2307 Pacific Avenue
Alameda, California

Prepared by:

Alisto Engineering Group
1777 Oakland Boulevard, Suite 200
Walnut Creek, California

July 5, 1994

Brady Nagle
Project Manager

Al Sevilla, P.E.
Principal

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

TABLE OF CONTENTS

1.0 INTRODUCTION

Xtra Oil Company retained Alisto Engineering Group to provide engineering consulting services, including soil and groundwater sampling, related to removal and disposal of four underground fuel storage tanks, dispensers, and associated piping at the Xtra Oil Company service station at 1701 Park Street, Alameda, California, and one underground fuel oil storage tank at the neighboring property at 2329 Buena Vista Avenue, Alameda, California. This report presents the results of field activities and observations during tank removal. A site vicinity map is shown in
Figure 1, and a site plan is shown in Figure 2.

2.0 SCOPE OF WORK

The scope of work performed during tank closure included the following tasks:

- Visual inspection of tanks during removal
- Collection and analysis of soil and groundwater samples
- Laboratory analysis of soil and groundwater samples for specific constituents
- Preparation of this report presenting the results of these activities

3.0 FIELD METHODS AND PROCEDURES

The field methods and procedures used were in accordance with the requirements and guidelines of the Alameda County Health Care Services Agency (ACHCSA) and the California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB).

3.1 Underground Storage Tank Removal

On April 8, 1994, four single-walled, steel, 10,000-gallon underground fuel storage tanks were removed from the site for disposal. Tank removal was performed by All-Pro Environmental Services, Martinez, California. The former locations of the tanks are shown in Figure 2.

Tank removal was initiated by removing product, flushing the product distribution system with water, and disconnecting the electrical wiring. A total of 1,550 pounds of dry ice was placed into the tanks through the fill ports to displace vapor. Fuel tank removal was observed by Ms. Juliet Shin of the ACHCSA and Captain Steven McKinley of the City of Alameda Fire Department (AFD).

On April 27, 1994, one single-walled, steel, 110-gallon underground fuel oil tank was removed from the site for disposal. Fuel oil tank removal activities was observed by Ms. Eva Chu of the ACHCSA and Captain Steven McKinley of the AFD.

The following are the lower explosive level (LEL) and oxygen content measured in each tank immediately before removal:

Tank Size (Gallons)	Tank Construction	Tank Contents	LEL (a)	Oxygen (b)	Removal Date
10,000	Single-Walled, Steel	Diesel	0.02%	6.2%	4/8/94
10,000	Single-Walled, Steel	Gasoline	3.8%	6.0%	4/8/94
10,000	Single-Walled, Steel	Gasoline	2.1%	5.1%	4/8/94
10,000	Single-Walled, Steel	Gasoline	2.1%	4.7%	4/8/94
110	Single-Walled, Steel	Fuel oil	0.3%	8.0%	4/27/94

Notes: (a) Percentage of LEL measured in tanks before removal.
(b) Percentage of oxygen measured in tanks before removal.

The tanks were transported by H & H Environmental Services, San Francisco, California. Before loading on flat-bed trucks for disposal, the condition of each tank was noted. There were no holes, corrosion, or welding failure observed in the four 10,000-gallon fuel tanks. Holes up to 1/2-inch in diameter were observed in the 110-gallon fuel oil tank. Certificates of disposal and uniform hazardous waste manifests for each tank are presented in Appendix A.

Groundwater was observed in the fuel tank cavity at approximately 9.5 feet below grade. On April 8 and 9, 1994, approximately 1,200 gallons of groundwater was pumped from the fuel tank cavity by H & H Environmental Services, San Francisco, California. The uniform hazardous waste manifest for water disposal is presented in Appendix A.

3.2 Soil Sampling

On April 8, 1994, immediately after removal of the four 10,000-gallon tanks and backfill material, eight soil samples, SW-N-9, SW-E-N-9, SW-E-C-9, SW-E-S-9, SW-S-9, SW-W-S-9, SW-W-C-9, and SW-W-N-9, were collected from the sidewalls of the cavity in the native material. Soil samples were not collected from below the fuel tanks due to the presence of groundwater. On April 27, 1994, Soil Sample FO-1 was collected from below the fuel oil tank, and on June 6, 1994 soil samples SP-1, SP-2, and SP-3 were collected from below the dispenser island locations.

The procedures for soil sampling are presented in Appendix B. The analytical results and depths the soil samples were collected are presented in Table 1, and the soil sample locations are shown in Figure 2.

3.3 Groundwater Sampling

Groundwater was encountered in the tank cavity, at approximately 9.5 feet below grade. Groundwater Sample TP-1 was collected from the tank cavity using a clean, disposable bailer. Results of groundwater sampling and analysis are presented in Table 2.

4.0 ANALYTICAL METHODS

Chemical analysis of soil and groundwater samples was performed by McCampbell Analytical, Inc., Pacheco, California. The samples were analyzed using standard test methods of the United States Environmental Protection Agency (EPA) and the California Department of Health Services.

The soil and groundwater samples collected during tank closure activities were analyzed for the following constituents:

- Total petroleum hydrocarbons as gasoline (TPH-G) using EPA Methods 5030/8015 (modified)
- Total petroleum hydrocarbons as diesel (TPH-D) using EPA Methods 3550/8015 (modified)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) using EPA Methods 5030/8020

Soil samples SW-W-C-9, SW-W-N-9, SW-N-9, SW-E-N-9, SW-E-C-9, and SP-1 through SP-3 were additionally analyzed for total lead using EPA Methods 3050/7420. The results of laboratory analysis are presented in Tables 1 and 2, and the official laboratory reports and chain of custody records are presented in Appendix C.

5.0 SUMMARY OF RESULTS AND FINDINGS

The findings, based on the results of soil sampling and analysis, are summarized as follows:

- The four fuel storage tanks were observed to be in good condition with no visible holes or corrosion.
- Holes up to 1/2-inch in diameter were observed in the 110-gallon fuel oil tank.
- Analysis of soil samples collected from the sidewalls of the fuel tank cavity detected up to 12000 parts per million (ppm) TPH-G and 130 ppm, 640 ppm, 210 ppm, and 940 ppm BTEX in Sample SW-E-S-9. Analysis of those samples also detected TPH-D at concentrations of up to 2200 ppm in five of the eight samples, however, gasoline range compounds were significant in those samples from that analysis.
- Analysis of Soil Sample FO-1, collected from beneath the fuel oil tank, did not detect TPH-D or BTEX constituents above reported detection limits.
- Analysis of Soil Samples SP-1, SP-2, and SP-3, collected from the former fuel dispenser island locations, detected TPH-G at 380 ppm and BTEX constituents at concentrations of up to 0.17 ppm, 1.2 ppm, 3.1 ppm, 13 ppm. Analysis of those samples also detected TPH-D at 210 ppm only in Soil Sample SP-1, however, gasoline range compounds were significant in the sample from that analysis.

- Analysis of soil samples collected from the fuel tank cavity and beneath the dispenser island locations detected total lead at a concentration of 6.6 ppm only in Sample SP-1.

- Analysis of Groundwater Sample TP-1, collected from the fuel tank cavity, detected 23000 ppb TPH-G, 1400 ppb benzene, 1900 ppb toluene, 730 ppb ethylbenzene, 3000 ppb total xylenes, and 13000 ppb TPH-D.

TABLE 1 - SUMMARY OF RESULTS OF SOIL SAMPLING
XTRA OIL COMPANY SERVICE STATION
1701 PARK STREET, ALAMEDA, CALIFORNIA

PROJECT NO. 10-210

SAMPLE ID	SAMPLE DEPTH (fbg)	DATE OF SAMPLING	TPH-G (ppm)	TPH-D (ppm)	B (ppm)	T (ppm)	E (ppm)	X (ppm)	TOTAL LEAD (ppm)	LAB
SW-N-9	9	04/08/94	5.4	ND<10	0.63	0.045	0.15	0.16	ND<4.0	MA
SW-E-N-9	9	04/08/94	4600	540	59	230	79	370	ND<4.0	MA
SW-E-C-9	9	04/08/94	5300	1300	54	220	93	430	ND<4.0	MA
SW-E-S-9	9	04/08/94	12000	2200	130	640	210	940	—	MA
SW-S-9	9	04/08/94	1900	730	ND<0.5	1.7	25	41	—	MA
SW-W-S-9	9	04/08/94	2.5	ND<10	0.030	0.033	0.069	0.23	—	MA
SW-W-C-9	9	04/08/94	28	22	0.24	0.93	0.53	2.4	ND<4.0	MA
SW-W-N-9	9	04/08/94	7.1	ND<10	0.63	0.11	0.27	0.64	ND<4.0	MA
FO-1	6	04/27/94	—	ND<10	ND<0.005	ND<0.005	ND<0.005	ND<0.005	—	MA
SP-1	1	05/06/94	360	210	0.17	1.2	3.1	13	6.6	MA
SP-2	1	05/06/94	6.5	ND<10	0.082	0.059	0.12	0.50	ND<4.0	MA
SP-3	1	05/06/94	2.3	ND<10	0.025	0.034	0.018	0.16	ND<4.0	MA

ABBREVIATIONS:

TPH-G	Total petroleum hydrocarbons as gasoline
TPH-D	Total petroleum hydrocarbons as diesel
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
fbg	Feet below grade
ppm	Parts per million
ND	Not detected above reported detection limit
—	Not analyzed/available
MA	McCampbell Analytical, Inc.

E:\0\10-210\TANKSOIL.WQ1

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
XTRA OIL COMPANY SERVICE STATION
1701 PARK STREET, ALAMEDA, CALIFORNIA

PROJECT NO. 10-210

SAMPLE ID	DATE OF SAMPLING	TPH-G (ppb)	TPH-D (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	LAB
TANK PIT-1	04/08/94	23000	13000	1400	1900	730	3000	MA

ABBREVIATIONS:

TPH-G	Total petroleum hydrocarbons as gasoline
TPH-D	Total petroleum hydrocarbons as diesel
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
ppb	Parts per billion
MA	McCampbell Analytical, Inc.

E:\010-210\TANKH2O.WQ1

FIGURES

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

N

0 1000' 2000'

FIGURE 1

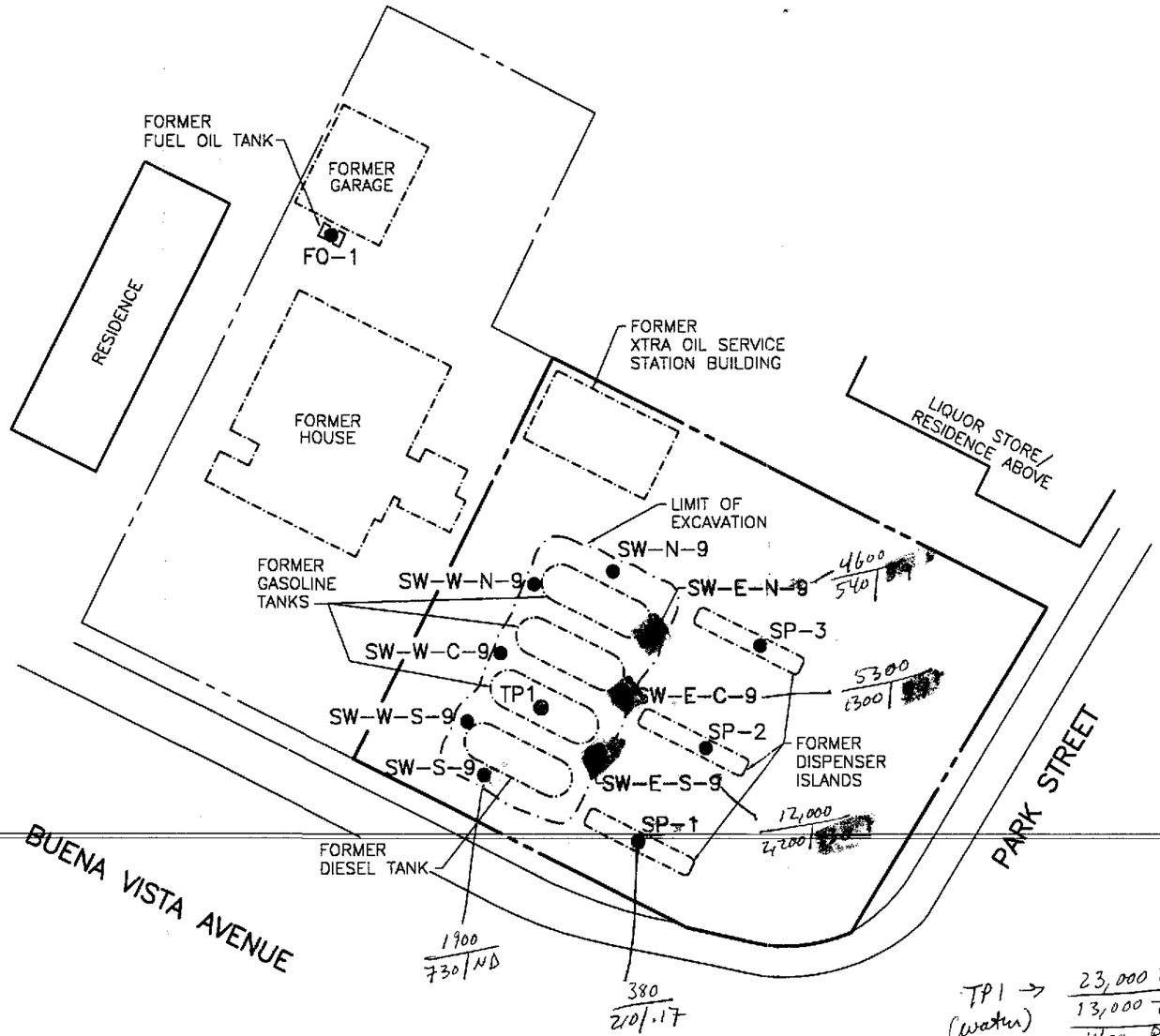
SITE VICINITY MAP

XTRA OIL COMPANY SERVICE STATION
1701 PARK STREET
ALAMEDA, CALIFORNIA

PROJECT NO. 10-210

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

10210---.DWG 8-3-94 RKW 1=1



TP1 → (water) 23,000 TPHg / 13,000 TPHd (ppb) / 1400 B

TPHg / TPHd / ● (ppm) soil (9'bgs)

N

0 30 60

SCALE IN FEET

LEGEND

● SOIL SAMPLE

○ GROUNDWATER SAMPLE

FIGURE 2

SITE PLAN

XTRA OIL COMPANY SERVICE STATION
1701 PARK STREET
ALAMEDA, CALIFORNIA

PROJECT NO. 10–210

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

10210C---.DWG 8-3-94 RKW 1-30

APPENDIX A

UNIFORM HAZARDOUS WASTE MANIFESTS

ENVIRONMENTAL SERVICES
(DIVISION OF H&H SHIP SERVICE CO., INC.)

220 CHINA BASIN, SAN FRANCISCO, CA 94107 • DAY AND NIGHT: (415) 543-4835 FAX (415) 543-8265

CERTIFICATE OF DISPOSAL

APRIL 12, 1994

H & H Ship Service Company hereby certifies to XTRA OIL CO.

1. The storage tank(s), size(s) FOUR (4) 10,000 GALS.

   removed from the XTRA OIL CO.

   facility at 1701 PARK STREET

   ALAMEDA, CALIFORNIA

   were transported to H & H Ship Service Company, 220 China Basin St., San Francisco, California 94107.

2. The following tank(s), H & H Job Number 14237

   have been steam cleaned, cut with approximately 2' x 2' holes, rendered harmless and disposed of as scrap metal.

3. Disposal site: SCHNITZER STEEL, OAKLAND, CALIFORNIA

4. The foregoing method of destruction/disposal is suitable for the materials involved, and fully complies with all applicable regulatory and permit requirements.

5. Should you require further information, please call (415) 543-4835 or (415) 905-5510.

Very truly yours,

Lourdes B. Lopez
Operations Coordinator

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.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
C A L 0 0 0 1 1 5 4 5 0	0 0 0 0 1		

3. Generator's Name and Mailing Address
XTRA OIL COMPANY
2307 Pacific Avenue, Alameda, CA. 94501

4. Generator's Phone (510) 865-9503

A. State Manifest Document Number: 92220195

B. State Generator's ID:

5. Transporter 1 Company Name: H & H SHIP SERVICE COMPANY
6. US EPA ID Number: C A D 0 0 4 7 7 1 1 6 8

C. State Transporter's ID: #428039

D. Transporter's Phone: (415) 543-4835

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
H & H SHIP SERVICE COMPANY
220 CHINA BASIN STREET
SAN FRANCISCO, CA 94107

10. US EPA ID Number: C A D 0 0 4 7 7 1 1 6 8

G. State Facility's ID: C A D 0 0 4 7 7 1 1 6 8

H. Facility's Phone: (415) 543-4835

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 Numbers
a. RESIDUE GASOLINE TANKS NON-RCRA HAZARDOUS WASTE SOLID	0 0 2	T P	1 0 0 0 0	P	State: EPA/Other:
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above
EMPTY 10,000 gal Fiberglass tank containing gasoline. Tank inerted with dry ice for safe transport.
PROFILE #14237

K. Handling Codes for Wastes Listed Above
a. 01
d.

15. Special Handling Instructions and Additional Information
JOB #14237
24 Hr. Emergency Contact: H & H #(415) 543-4835
APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR

JOB SITE: XTRA OIL
1701 Park Street
Alameda, California

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
X ED SMITH	X	0 4	0 8	9 4

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
ESTEBAN M. PENALVER		0 4	0 8	9 4

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

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
LOURDES B. LOPEZ		0 4	0 8	9 4

DO NOT WRITE BELOW THIS LINE.

Yellow: TSDF SENDS THIS COPY TO GENERATOR Within 30 DAYS.
(Generators who submit hazardous waste for transport out-of-state, produce completed copy of this copy and send to DTSC within 30 days.)

DTSC 8022A (12/91)
EPA 8700—22

GENERATOR
TRANSPORTER
FACILITY

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

92220195

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

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

92220157

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: C A L 0 0 0 1 1 5 4 5 0
Manifest Document No.: 0 0 0 0 2
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number: 9222[illegible]

B. State Generator's ID: [illegible]

GENERATOR

3. Generator's Name and Mailing Address
XTRA OIL COMPANY
2307 Pacific Avenue, Alameda, CA. 94501

4. Generator's Phone (510) 865-9503

5. Transporter 1 Company Name: H & H SHIP SERVICE COMPANY
6. US EPA ID Number: C A D 0 0 4 7 7 1 1 6 8

C. State Transporter's ID: [illegible]
D. Transporter's Phone: (415) 54[illegible]

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
H & H SHIP SERVICE COMPANY
220 CHINA BASIN STREET
SAN FRANCISCO, CA 94107

10. US EPA ID Number: C A D 0 0 4 7 7 1 1 6 8

G. State Facility's ID: C A D 0 0 4 7 7 1 1 6 8
H. Facility's Phone: (415) 543-4835

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. RESIDUE DIESEL TANK NON-RCRA HAZARDOUS WASTE SOLID	0 0 1	T P	1 0 0 0 0	P	State [illegible] EPA/Other [illegible]
b. ~~RESIDUE ASSOCIATED PIPING NON-RCRA HAZARDOUS WASTE SOLID~~	~~0 0 1~~	~~B A~~	~~0 0 1 0 0~~	~~P~~	State [illegible] EPA/Other [illegible]
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
EMPTY 10,000 gallon tank and associated piping last containing diesel. Tank inerted with dry ice for safe transport.
PROFILE #14[illegible]

K. Handling Codes for Wastes Listed Above
a. 01 b. 01
c. d.

15. Special Handling Instructions and Additional Information
JOB #14237
24 Hr. Emergency Contact: H & H #(415) 543-4835
APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR

JOB SITE: XTRA OIL
1701 Park Street
Alameda, California

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
Keith Simas	Keith Simas	0 4	0 8	9 4

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
JIMMIE H. REESE	J Reese	0 4	0 8	9 4

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
LOURDES B LOPEZ	Lourdes B Lopez	04	08	94

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (12/91)
EPA 8700—22

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS.
(Generators who submit hazardous waste for transport out-of-state, produce completed copy of this copy and send to DTSC within 30 days.)

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. | Manifest Document No. | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

C A L 0 0 0 1 1 5 4 5 0 | 0 0 0 0 3

3. Generator's Name and Mailing Address
XTRA OIL COMPANY
2307 Pacific Avenue, Alameda, CA. 94501

A. State Manifest Document Number 92220188

4. Generator's Phone 510) 865-9503

5. Transporter 1 Company Name | 6. US EPA ID Number
H & H SHIP SERVICE COMPANY | C A D 0 0 4 7 7 1 1 6 8

B. State Generator's ID

C. State Transporter's ID 42806

D. Transporter's Phone (415) 543-4835

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 | 10. US EPA ID Number
H & H SHIP SERVICE COMPANY
220 CHINA BASIN STREET
SAN FRANCISCO, CA 94107 | C A D 0 0 4 7 7 1 1 6 8

G. State Facility's ID CAD004771168

H. Facility's Phone (415) 543-4835

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. RESIDUE GASOLINE TANK NON-RCRA HAZARDOUS WASTE SOLID	0 0 1	T P	1 0 0 0 0	P	State EPA/Other
b. ~~RESIDUE ASSOCIATED PIPING~~ ~~NON-RCRA HAZARDOUS WASTE SOLID~~ ✓	0 0 1	B A	0 0 1 0 0	P	State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
EMPTY 10,000 gallon tank and associated piping
last contained gasoline. Tank inerted with dry
ice for safe transport.
PROFILE #A4225

K. Handling Codes for Wastes Listed Above
a. 01
b. 01
c.
d.

15. Special Handling Instructions and Additional Information
JOB #14237
24 Hr. Emergency Contact: H & H #(415) 543-4835
APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR
JOB SITE: XTRA OIL
1701 Park Street
Alameda, California

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
[illegible]	[signature]	0 4	0 8	9 4

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
JOSE J. MORENO	[signature]	0 4	0 8	9 4

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
LOURDES B LOPEZ	[signature]	04	08	94

DO NOT WRITE BELOW THIS LINE.

GENERATOR

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

92220188

DTSC 8022A (12/91)
EPA 8700—22

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS.
(Generators who submit hazardous waste for transport out-of-state, produce completed copy of this copy and send to DTSC within 30 days.)

ENVIRONMENTAL SERVICES
(DIVISION OF H&H SHIP SERVICE CO., INC.)

220 CHINA BASIN, SAN FRANCISCO, CA 94107 • DAY AND NIGHT: (415) 543-4835 FAX (415) 543-8265

CERTIFICATE OF DISPOSAL

APRIL 30, 1994

H & H Ship Service Company hereby certifies to XTRA OIL CO.

1. The storage tank(s), size(s) ONE (1) 150 GALS.

   removed from the XTRA OIL CO.

   facility at 2329 BUENA VISTA
   ALAMEDA, CALIFORNIA

   were transported to H & H Ship Service Company, 220 China Basin St., San Francisco, California 94107.

2. The following tank(s), H & H Job Number 14308

   have been steam cleaned, cut with approximately 2' x 2' holes, rendered harmless and disposed of as scrap metal.

3. Disposal site: SCHNITZER STEEL, OAKLAND, CALIFORNIA

4. The foregoing method of destruction/disposal is suitable for the materials involved, and fully complies with all applicable regulatory and permit requirements.

5. Should you require further information, please call (415) 543-4835 or (415) 905-5510.

Very truly yours,

Lourdes B. Lopez
Operations Coordinator

State of California—Environmental P[illegible]ction Agency
Form Approved OMB No. 2050-[illegible] (Expires 9-30-94)
Please print or type. Form d[illegible]ed 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.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
CAC000927447	000015		

GENERATOR

3. Generator's Name and Mailing Address
XTRA OIL COMPANY
2307 Pacific Avenue, Alameda, CA. 94501

4. Generator's Phone 510) 865-9503

A. State Manifest Document Number: 9222[illegible]

B. State Generator's ID:

C. State Transporter's ID: [illegible]

D. Transporter's Phone: (415) 543-[illegible]

E. State Transporter's ID:

F. Transporter's Phone:

G. State Facility's ID: CAD[illegible]

H. Facility's Phone: (415) 543-4835

5. Transporter 1 Company Name: H & H SHIP SERVICE COMPANY
6. US EPA ID Number: CAD004771168

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
H & H SHIP SERVICE COMPANY
220 CHINA BASIN STREET
SAN FRANCISCO, CA 94107

10. US EPA ID Number: CAD004771168

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
RESIDUE HEATING OIL TANK NON-RCRA HAZARDOUS WASTE SOLID	001	TP	00150	P	State: EPA/Other:
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above
ENTRY: 250 gallon tank that contained heating oil. Tank inerted with dry ice for safe transport.
PROFILE: [illegible]

K. Handling Codes for Wastes Listed Above
a. T01
b.
c.
d.

15. Special Handling Instructions and Additional Information
JOB #14308
24 Hr. Emergency Contact: H & H #(415) 543-4835
APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR

JOB SITE: 2329 Buena Vista
Alameda, California

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
Keith Sinias	[signature]	04	27	94

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
ROBERT V. PETRUCCI	[signature]	04	27	94

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
LOURDES B LOPEZ	[signature]	04	27	94

DO NOT WRITE BELOW THIS LINE.

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

9220346

DTSC 8022A (12/91)
EPA 8700—22

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS.
(Generators who submit hazardous waste for transport out-of-state, produce completed copy of this copy and send to DTSC within 30 days.)

Gibson Environmental

April 08, 1994

XTRA OIL CO

2307 PACIFIC AVE
ALAMEDA,CA 94501

EPA# CAL000115450 (021566)

This letter is to inform you that Gibson Environmental has accepted your material for recycling.

Gibson certifies that the material received on the manifests indicated below has been properly treated and recycled.

Date	Manifest	Movement	Quantity	UOM
04/08/94	92220207	00095966	1,200	GAL

If this information does not agree with your records, please notify us within ten days so we can resolve any discrepancies.

Generators, know your wastestream. Gibson Bakersfield is only permitted to accept the following wastes that are varying combinations of oil, water and solids under California Waste Codes 221, 222, 223, 241. In addition, Gibson at Bakersfield may accept waste codes D004 through D043.

For information as to approved codes for Gibson's Wilmington and Redwood City facilities, please call (800) 582-3935.

This notice is required by the Department of Toxic Substance Control.

Gibson Environmental
Customer Service
3300 Truxtun Avenue Suite 200
Bakersfield, CA 93301
(805) 327-0413

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. CAL000115450 — Manifest Document No. 92220207 — 2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
XTRA OIL COMPANY
2307 Pacific Avenue, Alameda, CA. 94501

4. Generator's Phone (510) 865-9503

5. Transporter 1 Company Name — 6. US EPA ID Number
H & H SHIP SERVICE COMPANY — CAD004771168

7. Transporter 2 Company Name — 8. US EPA ID Number

9. Designated Facility Name and Site Address — 10. US EPA ID Number
GIBSON / PILOT
475 Seaport Boulevard
Redwood City, Ca. 94063 — CAD043260702

A. State Manifest Document Number: 92220207
B. State Generator's ID:
C. State Transporter's ID: 428051
D. Transporter's Phone: (415) 543-4835
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: CAD043260702
H. Facility's Phone: (415)-368-5511

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 Numbers
a. RQ, HAZARDOUS WASTE, LIQUID, N.O.S. (BENZENE) 9, NA 3082, III (D018)	001	TT	01200	G	State 22 31 / EPA/Other D018
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: SOIL, DEBRIS AND WATER
K. Handling Codes for Wastes Listed Above: a. T1 b. c. d.

15. Special Handling Instructions and Additional Information
JOB #14241 RELEASE #17104 JOB SITE: XTRA OIL
24 Hr. Emergency Contact: H & H #(415) 543-4835 1701 Park Street
APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR Alameda, California

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
[illegible]	[signature]	04	08	94

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
ESTEBAN M. PENALVER	[signature]	04	08	94

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
JONATHON H. MCBRIDE	[signature]	04	08	94

DO NOT WRITE BELOW THIS LINE.

Yellow: TSDF SENDS THIS COPY TO GENERATOR Within 30 DAYS.
(Generators who submit hazardous waste for transport out-of-state, produce completed copy of this copy and send to DTSC within 30 days.)

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

GENERATOR

APPENDIX B

FIELD PROCEDURES FOR SOIL SAMPLING

FIELD PROCEDURES FOR SOIL SAMPLING

Soil samples were collected from the excavations in a backhoe bucket. The samples were collected in brass tubes, and both ends were immediately covered with aluminum sheeting, polyurethane caps, and adhesive tape to inhibit volatilization of petroleum hydrocarbon constituents. The samples were labeled with the following information: Alisto Engineering project number, sample number, depth, sampler's initials, and date of collection. The samples were immediately placed in plastic bags and stored in an cooler containing blue ice.

APPENDIX C

FIELD PROCEDURES FOR CHAIN OF CUSTODY DOCUMENTATION, LABORATORY REPORTS, AND CHAIN OF CUSTODY RECORDS

FIELD PROCEDURES
FOR
CHAIN OF CUSTODY DOCUMENTATION

The samples collected were handled in accordance with the California Department of Health Services guidelines. Each sample was labeled in the field and immediately stored in a cooler containing blue for transport to a state-certified laboratory for analysis.

The official chain of custody record accompanied the samples, and included the site and sample identification, date and time of sample 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.

McCAMPBELL ANALYTICAL INC. | 110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

Alisto Engineering Group 1777 Oakland Blvd., # 200 Walnut Creek, Ca 94596	Client Project ID: # 10-210; 1701 Park Alameda	Date Sampled: 04/08/94
		Date Received: 04/11/94
	Client Contact: Keith Simas ; Xtra Oil	Date Extracted: 04/11/94
	Client P.O:	Date Analyzed: 04/11-04/12/94

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g)+	Benzene	Toluene	Ethylbenzene	Xylenes	% Rec. Surrogate
35091	SW-N-9	S	5.4,a	0.63	0.045	0.15	0.16	106
35092	SW-E-N-9	S	4600,a	59	230	79	370	116#
35093	SW-E-C-9	S	5300,b,d	54	220	93	430	112#
35094	SW-E-S-9	S	12,000,a	130	640	210	940	112#
35095	SW-S-9	S	1900,b,d	ND< 0.5	1.7	25	41	94
35096	SW-W-S-9	S	2.5,b,d	0.030	0.033	0.069	0.23	102
35097	SW-W-C-9	S	28,b	0.24	0.93	0.53	2.4	101
35098	SW-W-N-9	S	7.1,a	0.63	0.11	0.27	0.64	102
35099	Tank Pit 1	W	23,000,a,h	1400	1900	730	3000	112#
Detection Limit unless otherwise stated; ND means Not Detected		W	50 ug/L	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.005	0.005	0.005	0.005	

*water samples are reported in ug/L, soil samples in mg/kg, and all TCLP extracts in mg/L

cluttered chromatogram; sample peak co-elutes with surrogate peak

+ The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds are significant; no recognizable pattern; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen is present.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC. | 110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

Alisto Engineering Group 1777 Oakland Blvd., # 200 Walnut Creek, Ca 94596	Client Project ID: # 10-210; 1701 Park Alameda	Date Sampled: 04/08/94
		Date Received: 04/11/94
	Client Contact: Keith Simas ; Xtra Oil	Date Extracted: 04/11-04/13/94
	Client P.O:	Date Analyzed: 04/11-04/13/94

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel *

EPA methods modified 8015, and 3550 or 3510; California RWQCB (SF Bay Region) method GCFID(3550) or GCFID(3510)

Lab ID	Client ID	Matrix	TPH(d)+	% Recovery Surrogate
35091	SW-N-9	S	ND	90
35092	SW-E-N-9	S	540,d	89
35093	SW-E-C-9	S	1300,d,a	86
35094	SW-E-S-9	S	2200,d,a	94
35095	SW-S-9	S	730,d	88
35096	SW-W-S-9	S	ND	91
35097	SW-W-C-9	S	22,d	102
35098	SW-W-N-9	S	ND,d	96
35099	Tank Pit 1	W	13,000,b,d,h	
Detection Limit unless otherwise stated; ND means Not Detected		W	50 ug/L	
		S	10 mg/kg	

*water samples are reported in ug/L, soil samples in mg/kg, and all TCLP extracts in mg/L

cluttered chromatogram; surrogate and sample peaks co-elute or surrogate peak is on elevated baseline

+ The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) modified diesel?; light(C_L) or heavy(C_H) diesel compounds are significant); d) gasoline range compounds are significant; e) medium boiling point pattern that does not match diesel(?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen is present.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

QC REPORT FOR HYDROCARBON ANALYSES

Date: 04/11-04/12/94 Matrix: Soil

Analyte	Concentration (mg/kg)			Amount Spiked	% Recovery		RPD
	Sample	MS	MSD		MS	MSD	
TPH (gas)	0.000	1.979	2.014	2.03	97	99	1.8
Benzene	0.000	0.200	0.200	0.2	100	100	0.0
Toluene	0.000	0.202	0.204	0.2	101	102	1.0
Ethylbenzene	0.000	0.206	0.208	0.2	103	104	1.0
Xylenes	0.000	0.624	0.630	0.6	104	105	1.0
TPH (diesel)	0	290	278	300	97	93	4.4
TRPH (oil & grease)	0.0	19.3	20.5	20.8	93	99	6.0

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

QC REPORT FOR HYDROCARBON ANALYSES

Date: 04/13/94 Matrix: Water

Analyte	Concentration (ug/L)			Amount Spiked	% Recovery		RPD
	Sample	MS	MSD		MS	MSD	
TPH (gas)	0.0	86.6	87.0	100	86.6	87.0	0.6
Benzene	0	10.2	9.7	10	102.0	97.0	5.0
Toluene	0	10.3	9.8	10	103.0	98.0	5.0
Ethyl Benzene	0	10.4	10	10	104.0	100.0	3.9
Xylenes	0	31.9	30.9	30	106.3	103.0	3.2
TPH (diesel)	0	167	170	150	112	114	1.7
TRPH (oil & grease)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

ALISTO ENGINEERING GROUP

CHAIN OF CUSTODY

2278 AAEG1

Consultant's Name: Alisto Engineering Group | Page 1 of 1

Address: 1777 Oakland Blvd., #200 Walnut Creek CA 94596

Project Contact: Brady Nagle | Consultant Project #: 10-210 | Phone #: 295-1650 Fax #: 295-1823

Sampled by (print): Ted Moise | Sampler's Signature: Ted Moise

Shipment Method: Courier | Site Location #: Xtra Oil Company | Site Location: 1701 Park, Alameda

TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ Standard

ANALYSIS REQUIRED

Sample Condition as Received
Temperature ° C: ______
Cooler #: ______
Inbound Seal Yes No
Outbound Seal Yes No

Sample Description	Collection Date/Time	Matrix Soil/Water	Prsv	# of Cont	Sample #	TPH/GAS/BTEX EPA 8015/8020	TPH/Diesel EPA 8015	Oil & Grease SM 5520	HVOC 8010									
• SW-N-9	4/8/94	SOIL	—	1		X	X											35091
• SW-E-N-9	↓	↓		↓		X	X											35092
• SW-E-C-9						X	X											35093
SW-E-S-9						X	X											35094
SW-S-9						X	X											35095
SW-W-S-9						X	X											35096
• SW-W-C-9						X	X											35097
• SW-W-N-9						X	X											35098
Tank Pit 1	4/8/94	water	VOA ONLY	4		X	X											35099

VOAS | O&G | METALS | OTHER

ICE/T° ✓ PRESERVATIVE ✓
GOOD CONDITION ✓ APPROPRIATE
HEAD SPACE ABSENT ✓ CONTAINERS ✓

Relinquished by/Affiliation	Date	Time	Accepted by/Affiliation	Date	Time
Ted Moise	4/11/94	12:40	J R Hamilton	4/11/94	12:40
J R Hamilton	4/11/94	1:10	[illegible signature]	4/11/94	1:10

Additional Comments:
cc: Keith Simas
Xtra Oil on report

McCAMPBELL ANALYTICAL INC. | 110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

Alisto Engineering Group 1777 Oakland Blvd., # 200 Walnut Creek, Ca 94596	Client Project ID: # 10-210; 1701 Park Alameda	Date Sampled: 04/08/94
		Date Received: 04/11/94
	Client Contact: Keith Simas ; Xtra Oil	Date Extracted: 04/12/94
	Client P.O:	Date Analyzed: 04/13/94

Lead*

EPA analytical method 239.2 or 7420+

Lab ID	Client ID	Matrix	Extraction°	Lead*
35097	SW-W-C-9	S	TTLC	ND
35098	SW-W-N-9	S	TTLC	ND
35091	SW-N-9	S	TTLC	ND
35092	SW-E-N-9	S	TTLC	ND
35093	SW-E-C-9	S	TTLC	ND
Detection Limit unless otherwise stated; ND means Not Detected		W	TTLC	0.005mg/L
		S	TTLC	4.0 mg/kg
		---	STLC,TCLP	0.20 mg/L

* soil samples are reported in mg/kg, and water samples and all STLC & TCLP extracts in mg/L

+ Lead is analysed using EPA method 7420 (AA Flame)for soils, STLC & TCLP extracts and method 239.2 (AA Furnace) for water samples

° EPA extraction methods 1311(TCLP), 3010/3020(water,TTLC), 3040(organic matrices,TTLC), 3050(solids,TTLC); STLC from CA Title 22

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

QC REPORT FOR AA METALS

Date: 04/13/94 Matrix: Soil

Analyte	Concentration (mg/kg,mg/L) Sample	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
Total Lead	0.0	0.9	0.9	1	88	92	4.4
Total Cadmium	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Chromium	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Nickel	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Zinc	N/A	N/A	N/A	N/A	N/A	N/A	N/A
STLC Lead	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Organic Lead	N/A	N/A	N/A	N/A	N/A	N/A	N/A

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

ALISTO ENGINEERING GROUP

CHAIN OF CUSTODY

2278 490-01

Page 1 of 1

Consultant's Name: Alisto Engineering Group

Address: 1777 Oakland Blvd., #200 Walnut Creek CA 94596

Project Contact: Brady Nagle | Consultant Project #: 10-210 | Phone #: 295-1650 Fax #: 295-1823

Sampled by (print): Ted Moyse | Sampler's Signature: Ted Moyse

Shipment Method: Courier | Site Location #: Xtra Oil Company | Site Location: 1701 Park, Alameda

TAT: ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ Standard

ANALYSIS REQUIRED

Sample Condition as Received
Temperature ° C: ____
Cooler #: ____
Inbound Seal Yes No
Outbound Seal Yes No

Sample Description	Collection Date/Time	Matrix Soil/Water	Prsv	# of Cont	Sample #	TPH/GAS/BTEX EPA 8015/8020	TPH/Diesel EPA 8015	Oil & Grease SM 5520	HVOC 8010	TOTAL LEAD							
SW-W-C-9	4/8/94	Soil	—	1	35097					X							
SW-W-N-9					35098					X							
SW-N-9										X							
SW-E-N-9										X							
SW-E-C-9					35091					X							
					35092												
					35093												

VOA's

ICE ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓

PRESERVED APPROPRIATE CONTAINERS ✓

Relinquished by/Affiliation	Date	Time	Accepted by/Affiliation	Date	Time
Ted Moyse	4/11/94	12:40	J Hamilton	4/11/94	12:40
J Hamilton	4/11/94	1700	[illegible]	4-11-94	1:10

Additional Comments:
cc: Keith Simas
Xtra Oil on report

McCAMPBELL ANALYTICAL INC. | 110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

Alisto Engineering Group 1777 Oakland Blvd., # 200 Walnut Creek, Ca 94596	Client Project ID: Xtra Oil Co.;1701 Park, Alameda	Date Sampled: 04/27/94
		Date Received: 04/27/94
	Client Contact: Brady Nagle / Keith Simas	Date Extracted: 04/27/94
	Client P.O:	Date Analyzed: 04/27/94

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g)+	Benzene	Toluene	Ethylben-zene	Xylenes	% Rec. Surrogate
35362	FO-1	S	---	ND	ND	ND	ND	101
Detection Limit unless other-wise stated; ND means Not Detected		W	50 ug/L	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.005	0.005	0.005	0.005	

*water samples are reported in ug/L, soil samples in mg/kg, and all TCLP extracts in mg/L

cluttered chromatogram; sample peak co-elutes with surrogate peak

+ The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds are significant; no recognizable pattern; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible phase is present.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC. | 110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

Alisto Engineering Group 1777 Oakland Blvd., # 200 Walnut Creek, Ca 94596	Client Project ID: Xtra Oil Co.;1701 Park, Alameda	Date Sampled: 04/27/94
		Date Received: 04/27/94
	Client Contact: Brady Nagle	Date Extracted: 04/27/94
	Client P.O:	Date Analyzed: 04/27/94

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel *

EPA methods modified 8015, and 3550 or 3510; California RWQCB (SF Bay Region) method GCFID(3550) or GCFID(3510)

Lab ID	Client ID	Matrix	TPH(d)+	% Recovery Surrogate
35362	FO-1	S	ND	89
Detection Limit unless otherwise stated; ND means Not Detected		W	50 ug/L	
		S	10 mg/kg	

*water samples are reported in ug/L, soil samples in mg/kg, and all TCLP extracts in mg/L

cluttered chromatogram; surrogate and sample peaks co-elute or surrogate peak is on elevated baseline

+ The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) modified diesel?; light(c_L) or heavy(c_H) diesel compounds are significant); d) gasoline range compounds are significant; e) medium boiling point pattern that does not match diesel(?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible phase is present.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

QC REPORT FOR HYDROCARBON ANALYSES

Date: 04/27/94 Matrix: Soil

Analyte	Concentration (mg/kg)			Amount Spiked	% Recovery		RPD
	Sample	MS	MSD		MS	MSD	
TPH (gas)	0.000	1.938	1.831	2.03	95	90	5.7
Benzene	0.000	0.178	0.182	0.2	89	91	2.2
Toluene	0.000	0.182	0.184	0.2	91	92	1.1
Ethylbenzene	0.000	0.184	0.182	0.2	92	91	1.1
Xylenes	0.000	0.566	0.546	0.6	94	91	3.6
TPH (diesel)	0	327	322	300	109	107	1.3
TRPH (oil & grease)	0.0	20.2	18.4	20	101	92	9.3

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

2336AAEG3

McCAMPBELL ANALYTICAL

110 2nd AVENUE, # D7
PACHECO, CA 94553

(510) 798-1620 FAX (510) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

REPORT TO: Alisto / XTCA BILL TO: XTCA

COMPANY: Alisto Eng. Group
1777 Oakland Blvd #200
Walnut Creek CA 94596

TELE: 295 1650 FAX #: 295 1823

PROJECT NUMBER: PROJECT NAME: XTCA Oil Co.

PROJECT LOCATION: [illegible] Park, Alameda SAMPLER SIGNATURE:

SAMPLE ID	LOCATION	SAMPLING DATE	SAMPLING TIME	# CONTAINERS	TYPE CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	METHOD PRESERVED: HCL	HNO_3	OTHER	BTEX & TPH as Gasoline (602/8020 & 8015)	THP as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/5520 B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601/8010	EPA 602/8020	EPA 608/8080	EPA 608/8080 - PCBs Only	EPA 624/8240/8260	EPA 625/8270	CAM - 17 Metals	EPA - Priority Pollutant Metals	LEAD (7240/7421/239.2/6010)	ORGANIC LEAD	RCI	OTHER: [illegible]				COMMENTS
FO-1		4/27/94		1			X								X														X				

35362

ICE/T° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
PRESERVATIVE
APPROPRIATE ✓
CONTAINERS ✓
VOAS O&G METALS OTHER

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
Barry [illegible]	4/27/94	350P	JR Hamilton
JR Hamilton	4/27/94	523P	Ed [illegible]
			RECEIVED BY LABORATORY:

REMARKS: Sample collected in vicinity of former fuel oil tank.

McCAMPBELL ANALYTICAL INC. | 110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

Xtra Oil Company	Client Project ID: # 10-210	Date Sampled: 05/06/94
2307 Pacific Avenue		Date Received: 05/09/94
Alameda, CA 94501	Client Contact: Keith Simas	Date Extracted: 05/10/94
	Client P.O:	Date Analyzed: 05/10-05/11/94

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g)+	Benzene	Toluene	Ethylbenzene	Xylenes	% Rec. Surrogate
35527	S-1	S	380,b,d	0.17	1.2	3.1	13	92
35528	S-2	S	6.5,b	0.082	0.059	0.12	0.50	97
35529	S-3	S	2.3,b	0.025	0.034	0.018	0.16	99
Detection Limit unless otherwise stated; ND means Not Detected		W	50 ug/L	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.005	0.005	0.005	0.005	

*water samples are reported in ug/L, soil samples in mg/kg, and all TCLP extracts in mg/L

cluttered chromatogram; sample peak co-elutes with surrogate peak

+ The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds are significant; no recognizable pattern; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible phase is present.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Tele: 510-798-1620 Fax: 510-798-1622

Xtra Oil Company 2307 Pacific Avenue Alameda, CA 94501	Client Project ID: # 10-210	Date Sampled: 05/06/94
		Date Received: 05/09/94
	Client Contact: Keith Simas	Date Extracted: 05/10/94
	Client P.O:	Date Analyzed: 05/10/94

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel *

EPA methods modified 8015, and 3550 or 3510; California RWQCB (SF Bay Region) method GCFID(3550) or GCFID(3510)

Lab ID	Client ID	Matrix	TPH(d)+	% Recovery Surrogate
35527	S-1	S	210,d	83
35528	S-2	S	ND	92
35529	S-3	S	ND	92
Detection Limit unless otherwise stated; ND means Not Detected		W	50 ug/L	
		S	10 mg/kg	

*water samples are reported in ug/L, soil samples in mg/kg, and all TCLP extracts in mg/L

cluttered chromatogram; surrogate and sample peaks co-elute or surrogate peak is on elevated baseline

+ The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) modified diesel?; light(c_L) or heavy(c_H) diesel compounds are significant); d) gasoline range compounds are significant; e) medium boiling point pattern that does not match diesel(?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible phase is present.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC. | 110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

Xtra Oil Company 2307 Pacific Avenue Alameda, CA 94501	Client Project ID: # 10-210	Date Sampled: 05/06/94
		Date Received: 05/10/94
	Client Contact: Keith Simas	Date Extracted: 05/10/94
	Client P.O:	Date Analyzed: 05/11/94

Lead*

EPA analytical method 239.2 or 7420+

Lab ID	Client ID	Matrix	Extraction°	Lead*
35527	S-1	S	TTLC	6.6
35528	S-2	S	TTLC	ND
35529	S-3	S	TTLC	ND
Detection Limit unless otherwise stated; ND means Not Detected		W	TTLC	0.005mg/L
		S	TTLC	4.0 mg/kg
		---	STLC,TCLP	0.20 mg/L

* soil samples are reported in mg/kg, and water samples and all STLC & TCLP extracts in mg/L

+ Lead is analysed using EPA method 7420 (AA Flame)for soils, STLC & TCLP extracts and method 239.2 (AA Furnace) for water samples

° EPA extraction methods 1311(TCLP), 3010/3020(water,TTLC), 3040(organic matrices,TTLC), 3050(solids,TTLC); STLC from CA Title 22

DHS Certification No. 1644

Edward Hamilton, Lab Director

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110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

QC REPORT FOR HYDROCARBON ANALYSES

Date: 05/10/94 Matrix: Soil

Analyte	Concentration (mg/kg)			Amount Spiked	% Recovery		RPD
	Sample	MS	MSD		MS	MSD	
TPH (gas)	0.000	1.776	1.949	2.03	87	96	9.3
Benzene	0.000	0.172	0.178	0.2	86	89	3.4
Toluene	0.000	0.180	0.184	0.2	90	92	2.2
Ethylbenzene	0.000	0.184	0.190	0.2	92	95	3.2
Xylenes	0.000	0.566	0.582	0.6	94	97	2.8
TPH (diesel)	0	337	334	300	112	111	1.0
TRPH (oil & grease)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

McCAMPBELL ANALYTICAL INC. | 110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

QC REPORT FOR HYDROCARBON ANALYSES

Date: 05/11-05/12/94 Matrix: Soil

Analyte	Concentration (mg/kg)			Amount Spiked	% Recovery		RPD
	Sample	MS	MSD		MS	MSD	
TPH (gas)	0.000	1.681	1.682	2.03	83	83	0.1
Benzene	0.000	0.162	0.166	0.2	81	83	2.4
Toluene	0.000	0.170	0.172	0.2	85	86	1.2
Ethylbenzene	0.000	0.174	0.178	0.2	87	89	2.3
Xylenes	0.000	0.538	0.546	0.6	90	91	1.5
TPH (diesel)	0	343	342	300	114	114	0.3
TRPH (oil & grease)	0.0	20.4	21.0	20	102	105	2.9

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

McCAMPBELL ANALYTICAL INC. | 110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

QC REPORT FOR AA METALS

Date: 05/11/94 Matrix: Soil

Analyte	Concentration (mg/kg,mg/L) Sample	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
Total Lead	0.0	94.0	95.0	100	94	95	1.1
Total Cadmium	0.0	101.0	101.0	100	101	101	0.0
Total Chromium	0.0	303.0	300.0	300	101	100	1.0
Total Nickel	0.0	106.0	106.0	100	106	106	0.0
Total Zinc	0.0	304.0	303.0	300	101	101	0.3
STLC Lead	0.00	9.90	9.90	10.0	99	99	0.0
TCLP Lead	7.00	16.35	15.92	10.0	94	89	2.7

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

2373AX027

McCAMPBELL ANALYTICAL

110 2nd AVENUE, # D7
PACHECO, CA 94553
(510) 798-1620 FAX (510) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☑ 5 DAY

REPORT TO: Keith Simes (Xtra Oil) BILL TO: Xtra Oil

COMPANY: Xtra Oil Co.

2307 Pacific Ave.

Alameda

TELE: 865-9503 FAX #: 865-1881

PROJECT NUMBER: 10-210 PROJECT NAME: —

PROJECT LOCATION: 701 Park Alameda SAMPLER SIGNATURE: Ted Morse

SAMPLE ID	LOCATION	SAMPLING DATE	SAMPLING TIME	# CONTAINERS	TYPE CONTAINERS	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	MATRIX: SLUDGE	MATRIX: OTHER	METHOD PRESERVED: HCL	METHOD PRESERVED: HNO_3	METHOD PRESERVED: OTHER	BTEX & TPH as Gasoline (602/8020 & 8015)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/5520 B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601/8010	EPA 602/8020	EPA 608/8080	EPA 608/8080 - PCBs Only	EPA 624/8240/8260	EPA 625/8270	CAM - 17 Metals	EPA - Priority Pollutant Metals	LEAD (7240/7421/239.2/6010)	ORGANIC LEAD	RCI	OTHER	COMMENTS
S-1	Proposed Island	5/6/94	10:44	1			✓								✓														35527	
S-2	↓	↓	10:36	1			✓								✓														35528	
S-3	↓	↓	10:41	1			✓								✓														35529	

ICE/T ✓
GOOD CONDITION ✓
HEADSPACE ABSENT ✓
PRESERVATIVE APPROPRIATE ✓
CONTAINERS ✓

RELINQUISHED BY	DATE	TIME	RECEIVED BY
Ted Morse	5/9/94	10:5[illegible]	S Hamilton
S Hamilton	5/9/94	1:25	Ted Morse
RELINQUISHED BY	DATE	TIME	RECEIVED BY LABORATORY

REMARKS:

2373 Ax027

McCAMPBELL ANALYTICAL

110 2nd AVENUE, # D7
PACHECO, CA 94553
(510) 798-1620 FAX (510) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☑ 5 DAY

REPORT TO: Keith Simas (Xtra Oil) BILL TO: XTRA OIL

COMPANY: XTRA OIL CO.,
2307 Pacific Ave.
Alameda

TELE: 865-9503 FAX #: 865-1851

PROJECT NUMBER: 10.210 PROJECT NAME: —

PROJECT LOCATION: 1701 Park, Alameda SAMPLER SIGNATURE: Ted Mass

SAMPLE ID	LOCATION	SAMPLING DATE	SAMPLING TIME	# CONTAINERS	TYPE CONTAINERS	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	MATRIX: SLUDGE	MATRIX: OTHER	METHOD PRESERVED: HCL	METHOD PRESERVED: HNO3	METHOD PRESERVED: OTHER
S-1	Dispenser Island	5/6/94	10:44	1			✓						
S-2	↓	↓	10:36	1			✓						
S-3	↓	↓	10:41	1			✓						

ANALYSIS REQUEST

BTEX & TPH as Gasoline (602/8020 & 8015)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/5520 B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601/8010	EPA 602/8020	EPA 608/8080	EPA 608/8080 - PCBs Only	EPA 624/8240/8260	EPA 625/8270	CAM - 17 Metals	EPA - Priority Pollutant Metals	LEAD (7240/7421/239.2/6010)	ORGANIC LEAD	RCI	OTHER				COMMENTS
✓															Total Lead				
✓															✓				
✓															✓				

35527
35528
35529

ICE/T ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT —
PRESERVATIVE APPROPRIATE ✓
CONTAINERS ✓

RELINQUISHED BY	DATE	TIME	RECEIVED BY
Ted Mass	5/6/94	1205	J R Hamilton
J R Hamilton	5/9/94	1:25	
RELINQUISHED BY	DATE	TIME	RECEIVED BY LABORATORY

REMARKS: