GEOMATRIX

SOIL INVESTIGATION AND REMEDIATION
Park Street Landing
2307-2337 Blanding Avenue
Alameda, California

3-04-08

Jerry -

Here is the report done in 1995 on Park Street Landing

Let me know if you need anything else

Theresa Canizzaro
415 - 561-0955

for Julie Beck Ball

APRIL 1995
Project No. 2436.01

Geomatrix Consultants

GEOMATRIX

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SOIL INVESTIGATION AND REMEDIATION
Park Street Landing
Alameda, California

1.0 INTRODUCTION

This report describes the method and results of the investigation, removal and disposal of soil containing petroleum hydrocarbons and polynuclear aromatic compounds (PNAs) in an area directly south of Park Street Landing located at 2307-2337 Blanding Avenue in Alameda, California (the Site). The objective of this work was to characterize the extent of petroleum hydrocarbons and PNAs associated with a former underground drum, and to the extent possible, excavate soil affected by contents of the former underground drum. This work was conducted in accordance with the "Revised Work Plan for Environmental Investigation" prepared by Geomatrix Consultants, Inc. (Geomatrix), dated October 1993. The October 1993 Revised Work Plan was prepared in response to a 21 January 1992 (sic; [1993]) letter from the Alameda County Health Care Services Agency (ACHCSA) requesting a corrective action plan for the Site. The October 1993 Work Plan was approved by ACHSCA in a meeting with Geomatrix on 3 December 1993.

This report describes the Site setting and previous work performed at the Site, and presents methods and results of the investigation and excavation activities.

2.0 BACKGROUND

2.1 SITE SETTING

Park Street Landing is located northeast of the Park Street and Blanding Avenue intersection in Alameda, California (Figure 1). The area of investigation is directly south of the Park Street Landing site (Figure 2). Park Street Landing is used as a commercial business park. The area of investigation is believed to have been previously owned and used by the City of Alameda. Land use in the vicinity is primarily industrial and commercial. The Alameda

canal (to the northeast) is used extensively for boating purposes, marine terminals, ocean-going shipping, and boat repair at dry docks along the canal. Because the Site is located adjacent to the Alameda canal, the groundwater beneath the Site may be tidally influenced.

2.2 PREVIOUS WORK

Aqua Terra Technologies Consulting Engineers & Scientists (ATT) of Walnut Creek, California, supervised the removal of a 15- to 20-gallon capacity underground drum on 25 June 1990 from the southeast portion of the Site (formerly City of Alameda property) (ATT, 3 May 1993). Reportedly, five approximately 1½-inch diameter holes were observed by ATT in the bottom of the drum. ATT also observed approximately 6 inches of gravel fill beneath the drum.

According to the 3 May 1993 Work Plan, ATT removed the gravel fill and collected a sample of the soil beneath the fill. ATT submitted the soil sample to an analytical laboratory for chemical analysis for total petroleum hydrocarbons as gasoline (TPHg), and diesel (TPHd), total oil and grease (TOG), volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs). The analytical results indicated the presence of acetone (0.001 mg/kg), xylenes (0.28 mg/kg), chlorobenzene (0.096 mg/kg), polynuclear aromatic compounds (PNAs; up to 2.3 mg/kg), TPHg (360 mg/kg), TPHd (620 mg/kg), and TOG (3,000 mg/kg) (ATT, 3 May 1993).

3.0 FIELD PROCEDURES

3.1 PRE-FIELD ACTIVITIES

A health and safety plan was prepared by Geomatrix to address health and safety issues during field activities. Geomatrix and subcontractor personnel read and signed the health and safety plan prior to working on site.

Prior to excavation activities, Underground Service Alert (USA), a regional utility notification center, was notified; USA in turn notified member utility companies to

delineate utilities near the proposed excavation. Underground utilities were marked in colored paint by the utility companies on the ground surface. A high voltage electrical line was noted to be located directly to the north and west of the proposed excavation boundaries, and a Pacific Bell (Pac-Bell) telephone line was noted within the southern portion of the proposed excavation boundary. A sprinkler system was visible in the vicinity of the excavation and a sprinkler head was noted directly west of the proposed excavation boundary.

In association with the marked subsurface utilities, several utility access boxes were apparent in the immediate vicinity of the excavation, including a Pac-Bell and three Pacific Gas & Electric (PG&E) Christy boxes, and a transformer and power switch box operated by PG&E.

3.2 SOIL EXCAVATION

The excavation activities were conducted in accordance with the approved Work Plan (Geomatrix, October 1993).

Initial excavation boundaries were based on the location of the former underground drum and surface and subsurface utilities. Prior to initiating the excavation, a portion of the sidewalk on the south side of the initial excavation boundary was removed using a jack-hammer, and a thin aluminum pole was used to probe the ground surface to locate the Pac-Bell telephone line reportedly located within the excavation boundaries. The telephone line was not located; therefore, a backhoe, with a spotter on the ground, was used to slowly remove the first several feet of soil and locate the reported underground utility. The telephone line was not found and appears to have been mis-marked.

Since the bottom of the drum was at least 3 feet below ground surface, the top 3 feet of soil was stockpiled separately. The photoionization detector (PID), a field screening instrument that measures volatile organics, did not detect any volatile organics in the top 3 feet of soil. This soil was assumed to be unaffected and stockpiled (Stockpile C) in the northeast portion of the property on, and covered with, plastic (Figure 2).

PID measurements collected on soil in the excavation from a depth of approximately 4 feet below ground surface (bgs) to the excavation bottom indicated an average reading of approximately 250 parts per million (ppm). This soil was stockpiled (Stockpiles A and B) in the northeast portion of the property on, and covered with, plastic (Figure 2).

The excavation was advanced to approximately 10 feet below grade. Groundwater was not encountered in the excavation, however the soil at the bottom of the excavation appeared wet and the bottom depth of the excavation was about 4 to 5 feet lower than the water level in the adjacent Alameda canal. The excavation was bounded on the northwest by the presence of underground high-voltage lines, on the southeast by the presence of a large storm drain line, and on the southwest by the Pac-Bell Christy box. The excavation was thus limited to a width of 8 feet and was advanced to the northeast (toward the Alameda canal) 12 feet.

Once the excavation was completed and samples were collected, two hydraulic jacks were placed in the excavation to support the storm drain line on the southeast and the soil holding the underground high-voltage lines on the northwest.

3.3 EXCAVATION SOIL SAMPLING AND CHEMICAL ANALYSIS

A total of five samples were collected from within the excavation (Figure 3). One sample was collected from each of the four excavation sidewalls (EX-1, EX-2, EX-4, and EX-5) at depths between 6.7 to 9.5 feet below ground surface. One sample (EX-3) was collected from the bottom of the excavation (approximately 10.2 feet below ground surface).

All samples were collected directly from the backhoe bucket. Thin-walled brass sample tubes were cleaned with Alconox (a laboratory-grade detergent) and water prior to use. The backhoe bucket was used to obtain soil from the desired sample location, and the brass sample tubes were pushed into the soil in the bucket. The soil samples were sealed at each end with aluminum foil, plastic end caps, and duct tape. The samples were labeled and stored in an ice-cooled container for transport under Geomatrix chain-of-custody procedures

to American Environmental Network (AEN) of Pleasant Hill, California, a state-certified laboratory. Copies of the chain-of-custody records is included in Appendix A.

Excavation soil samples were analyzed for TPHg by EPA Method 5030/GCFID, benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8020, TPHd by EPA Method 3550/GCFID, VOCs by EPA Method 8240, and PNAs with the addition of 2-Methylnapthalene by EPA Method 8270. The sample from the bottom of the excavation (EX-3) was also analyzed for the CAM 17 metals.

3.4 STOCKPILE SOIL SAMPLING AND CHEMICAL ANALYSIS

Approximately five cubic yards of soil removed from the top 3 feet of the excavation was stockpiled separately from the deeper excavation soil. This soil was stockpiled in "Stockpile C" located as illustrated on Figure 2. Four samples were collected from Stockpile C by scraping aside the top six inches of soil and pushing thin-walled brass tubes into the soil. The thin-walled brass sample tubes were cleaned with Alconox and water prior to use. The soil samples were sealed at each end with aluminum foil, plastic end caps, and duct tape. The soil samples were labeled and stored in an ice-cooled container for transport under Geomatrix chain-of-custody procedures to AEN. The laboratory then composited these four samples into one prior to analysis.

Soil excavated from below a depth of approximately 3 feet was placed in Stockpile A or Stockpile B, located as illustrated on Figure 2. Stockpile A and Stockpile B contained approximately 20 cy of soil each. Two samples were collected from each of the two stockpiles by scraping aside the top six inches of soil and pushing thin-walled brass tubes into the soil. The thin-walled brass sample tubes were cleaned with Alconox and water prior to use. The soil samples were sealed at each end with aluminum foil, plastic end caps, and duct tape. The soil samples were labeled and stored in an ice-cooled container for transport under Geomatrix chain-of-custody procedures to AEN.

The composite soil sample from Stockpile C was analyzed for TPHg by EPA Method 5030/GCFID, BTEX by EPA Method 8020, TPHd by EPA Method 3550/GCFID, VOCs by EPA Method 8240, and PNAs with the addition of 2-Methylnapthalene by EPA Method 8270. The samples from Stockpiles A and B were placed on hold at the laboratory until it was determined if they were needed for soil disposal purposes. They were not needed since the analytical results obtained from the excavation were sufficient for landfill disposal.

Results of the analytical testing are discussed in Section 4.0.

3.5 BACKFILLING

Backfill material was obtained from two sources, Mission Valley Rock and Gravel of Pleasanton, California, and Dumbarton Quarry of Fremont, California. Prior to backfilling the excavation, chemical analyses were performed on samples of the backfill material. The backfill material from both sources did not contain petroleum hydrocarbons above laboratory detection limits of 1 mg/kg for TPHd and TPHg, and priority pollutant metals were not detected above background levels (USGS, 1984). Laboratory analytical reports for both the backfill material samples are included as Appendix B. Approximately 20 tons of Class II aggregate base from Mission Valley Rock and Gravel and approximately 35 tons of Class II aggregate base from Dumbarton Quarry were used to backfill the excavation.

The imported material was placed in approximately 8-inch lifts, sprayed with water from the City of Alameda maintenance building, and compacted with a hand tamper. Special care was taken when compacting around the underground utilities.

Stockpiled soil from the excavation was trucked by Trumpp Brothers to Forward Landfill in Stockton, California, under non-hazardous waste manifest procedures on 24 March 1995. Copies of the non-hazardous waste manifests are included in Appendix C.

4.0 RESULTS

4.1 SEDIMENTS ENCOUNTERED

The top three feet of soil in the excavation consisted of sandy clay. This sandy clay contained debris, including clay pots, asphalt, and concrete. The color of the sandy clay was a light to medium brown. Silty clay was encountered at approximately four feet bgs. This silty clay was blue gray in color and appeared to be native Bay Mud clay. A two-foot thick lens of black clay was encountered at approximately seven feet bgs at the south end of the excavation and sloped deeper toward the north. Sediment at the bottom of the excavation (10 feet bgs) appeared wet; however, groundwater did not enter the excavation. Based on the water level in the adjacent Alameda canal, it appeared that the groundwater level was several feet higher than the bottom of the excavation. This suggests that the Bay Mud clays surrounding the excavation have a very low hydraulic conductivity.

4.2 CHEMICAL ANALYSIS RESULTS

The analytical results indicated that TPHg, TPHd, and chlorobenzene were present in all the excavation soil samples up to 280 mg/kg, 470 mg/kg, and 0.98 mg/kg , respectively (Table 1). The highest concentrations were found in the bottom sample (EX-3). In addition, BTEX was present in the bottom sample at concentrations of 0.110 mg/kg, 1.1 mg/kg, 0.530 mg/kg, and 3.0 mg/kg, respectively. Xylenes were present in the north sidewall at 0.012 mg/kg. Xylenes and ethylbenzene were present in the west sidewall at 0.30 mg/kg, and 0.007 mg/kg, respectively. PNAs and acetone were not detected in the excavation samples. The detected metals were within background concentrations (USGS, 1984). A copy of the laboratory data sheets can be found in Appendix A.

The analytical results for the composited soil sample, collected from Stockpile C, indicate that the sample contained TPHd at a concentration of 50 mg/kg. Results indicated that the sample did not contain TPHg, BTEX, VOCs or PNAs above the laboratory detection limits; the laboratory detection limits can be found on the laboratory data sheets contained in Appendix A.

5.0 DISCUSSIONS

Based on the field investigation and chemical results, the following points can be made:

- Approximately 50 cy of soil was removed from the former underground drum area within a 8'x12'x10' excavation
- Sediments encountered consisted of approximately three feet of sandy clay, underlain by Bay Mud to the bottom of the excavation.
- Groundwater did not enter the excavation, although the soil at the bottom of the excavation appeared wet and the water level in the adjacent canal appeared to be approximately four feet higher than the excavation bottom. This suggests very low permeability soil in the area surrounding the excavation.
- Comparing the analytical results from this investigation with the results described in ATT's Work Plan (ATT, 1993), acetone and PNAs were not detected in the excavation bottom and sidewall samples and chlorobenzene, BTEX, TPHg, and TPHd concentrations were reduced, indicating the majority of the source area has been successfully removed.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Excavation in the former 15-gallon drum area removed soil containing petroleum hydrocarbons and associated compounds. The final extent of the excavation was bounded on three sides by active underground utilities.

Due to the apparent low-permeability soil and the expected high-salinity groundwater, it is not likely that groundwater beneath the Site would be considered for domestic or other such beneficial uses. Therefore, the main concern is the potential for groundwater containing chemicals to migrate to and enter the canal.

Based on this conclusion, we recommend a shallow groundwater survey at the Site to evaluate whether groundwater has been adversely affected by chemicals apparently

associated with the former drum. We propose up to six points for the shallow groundwater survey. Two points would be located upgradient of the excavation to evaluate upgradient groundwater quality; one point would be located below the bottom of the former excavation (greater than 10 feet bgs) to evaluate groundwater quality below the former drum area; and three points would be located downgradient of the excavation (between the canal and the excavation) to evaluate groundwater quality flowing into the canal.

7.0 REFERENCES

Aqua Terra Technologies Consulting Engineers & Scientists, 1993, Workplan for a Soil and Groundwater Investigation and Monitoring Well Installation for the Property at 2301 Blanding Avenue, Alameda, California, 3 May.

Geomatrix Consultants, Inc., 1993, Revised Work Plan for Environmental Investigation Park Street Landing, Alameda, California: October.

U.S. Geological Survey, 1984, Element Concentration in Soils and Other Surficial Materials of the Conterminous United States, Professional Paper 1270.

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TABLE 1

ANALYTICAL RESULTS OF EXCAVATION SOIL SAMPLING

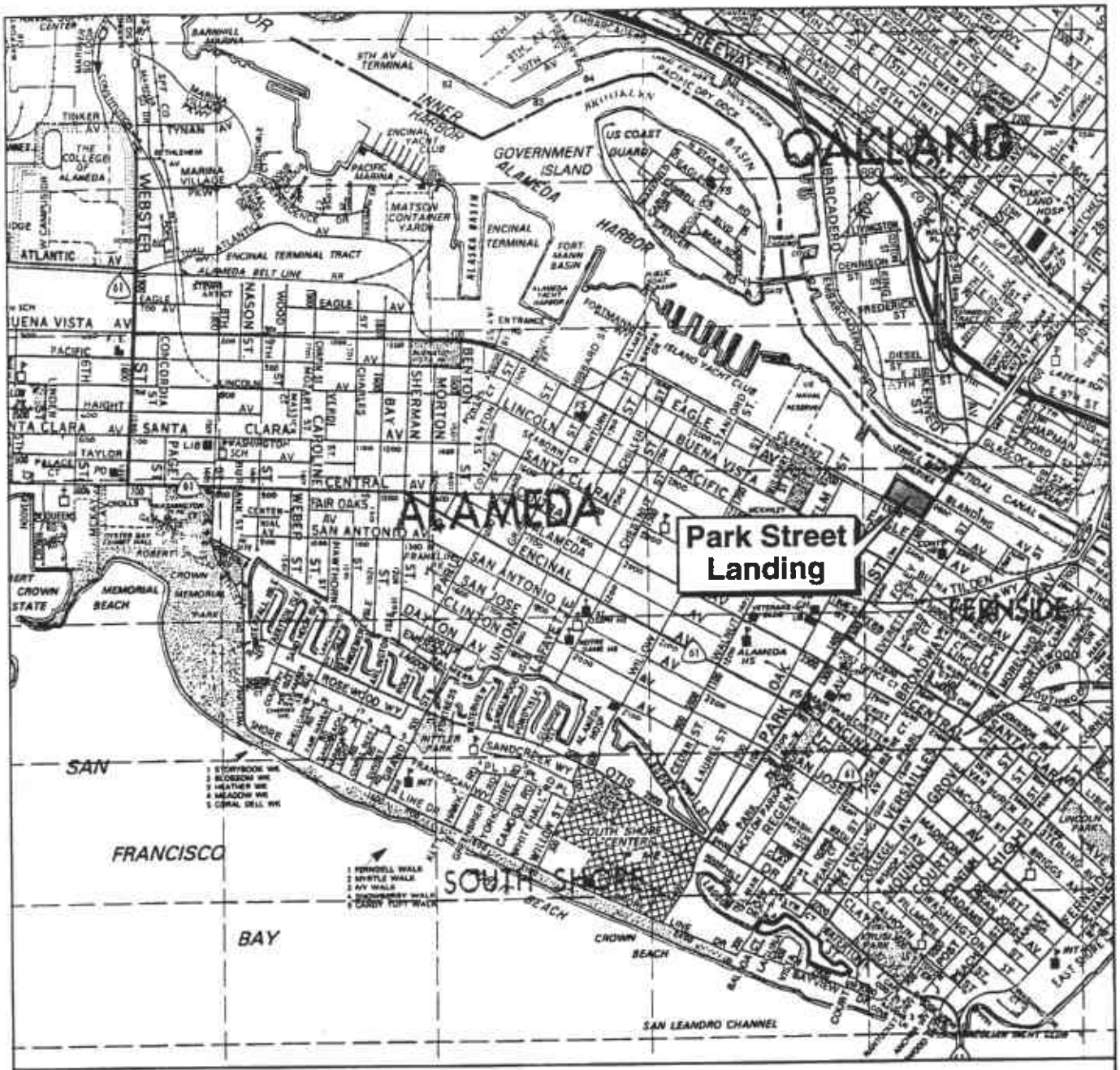
Park Street Landing Site
Alameda, California

(Concentrations in mg/kg)[1]

Sample Name	TPHg[2]	TPHd[3]	Benzene[4]	Tolune[5]	Ethyl-benzene[6]	Xylenes[7]	Chloro-benzene
EX-1	44	80	ND[8]/ND	ND/ND	ND/ND	ND/ND	0.039
EX-2	140	200	ND/ND	ND/ND	ND/ND	ND/ND	0.083
EX-3	280	470	0.110/ND	1.10/0.018	0.530/0.230	3.00/0.340	0.980
EX-4	210	130	ND/ND	ND/ND	ND/0.007	0.300/ND	0.150
EX-5	71	110	ND/ND	ND/ND	ND/ND	ND/0.012	0.045

Notes:

1 mg/kg - milligrams per kilogram.
2 TPHg - Total petroleum hydrocarbons as gasoline analyzed by EPA Method 5030/GCFID.
3 TPHd - Total petroleum hydrocarbons as diesel analyzed by EPA Method 3550.
4 Analyzed by EPA Method 8020/Analyzed by EPA Method 8240
5 Analyzed by EPA Method 8020/Analyzed by EPA Method 8240
6 Analyzed by EPA Method 8020/Analyzed by EPA Method 8240
7 Analyzed by EPA Method 8020/Analyzed by EPA Method 8240
8 ND - Concentration of constituent was not detected above the reporting limit.



Map taken from "The Thomas Guide: San Francisco, Alameda, and Contra Costa Counties." 1990 edition.

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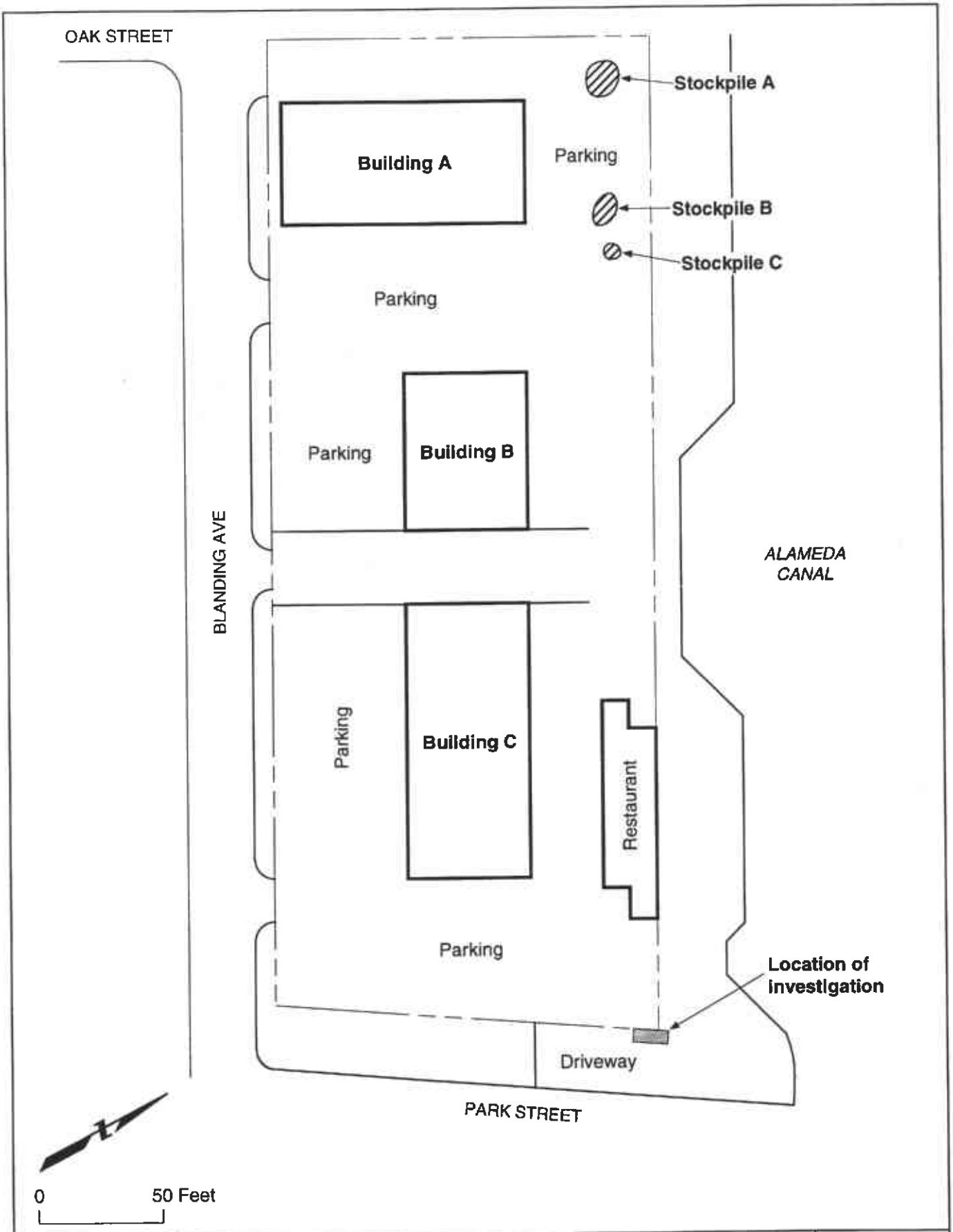
SITE LOCATION MAP
Park Street Landing Site
Alameda, California

Figure
1

Project No.
2436



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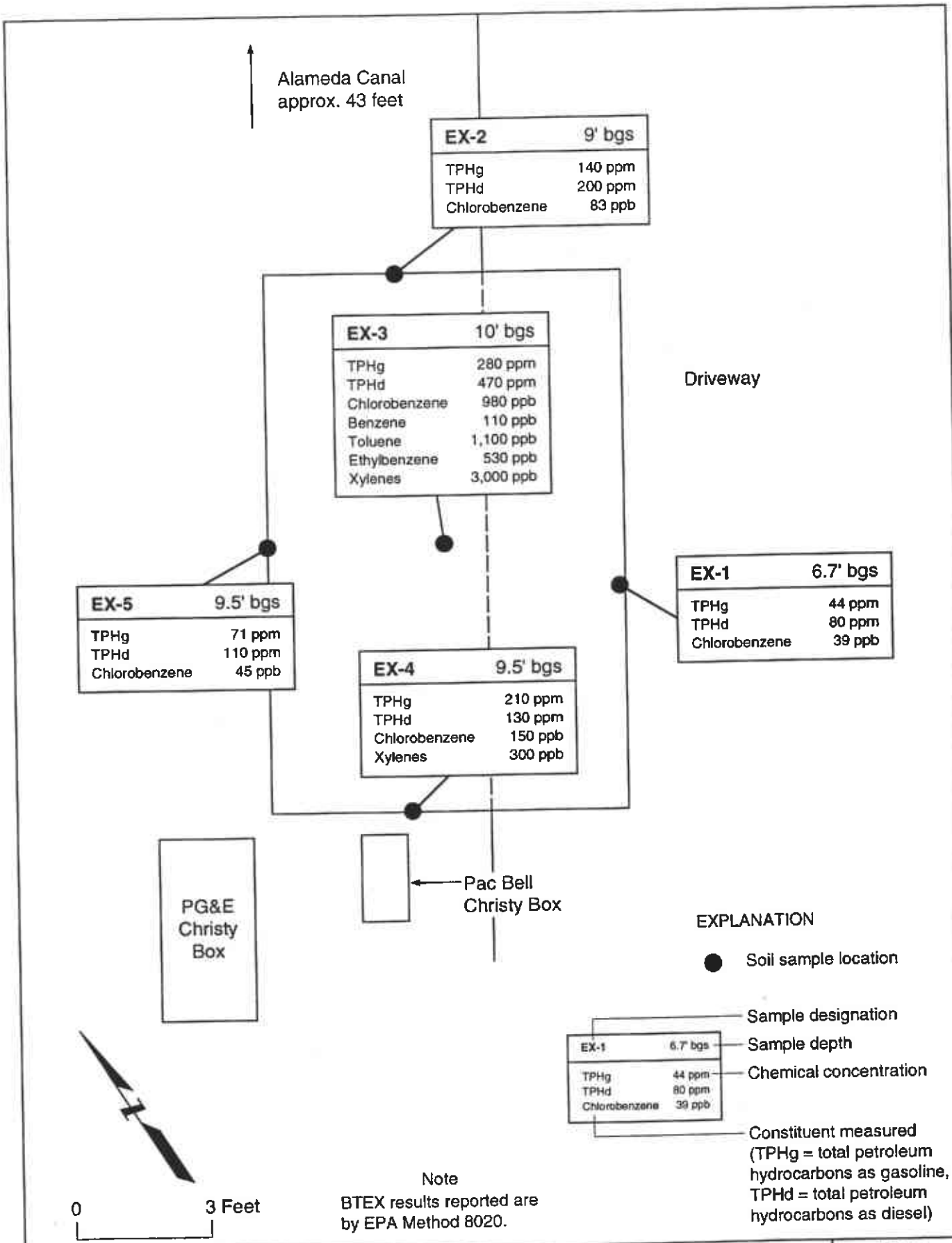
LOCATION OF INVESTIGATION AND STOCKPILES
Park Street Landing Site
Alameda, California

Figure 2

Project No. 2436



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FINAL EXCAVATION LIMITS AND SOIL SAMPLING LOCATIONS
Park Street Landing
Alameda, California

Figure 3

Project No. 2436

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APPENDIX A

CHAIN-OF-CUSTODY RECORDS AND LABORATORY ANALYTICAL RESULTS

American Environmental Network

Certificate of Analysis

DOHS Certification: 1172 AIHA Accreditation: 11134

GEOMATRIX CONSULTANTS
100 PINE ST., SUITE 1000
SAN FRANCISCO, CA 94111

ATTN: STACY ANICH
CLIENT PROJ. ID: 2436

C.O.C. NUMBER: 0650

REPORT DATE: 11/29/94

DATE(S) SAMPLED: 11/03/94

DATE RECEIVED: 11/03/94

AEN WORK ORDER: 9411038

PROJECT SUMMARY:

On November 3, 1994, this laboratory received 13 soil sample(s).

Client requested eight samples be composited into two samples. One composite and five discrete samples were analyzed for inorganic and organic parameters; one composite was placed on hold. Results of analysis are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

If you have any questions, please contact Client Services at (510) 930-9090.

Larry Klein
Laboratory Director

GEOMATRIX CONSULTANTS

SAMPLE ID: EX-1
AEN LAB NO: 9411038-01
AEN WORK ORDER: 9411038
CLIENT PROJ. ID: 2436

DATE SAMPLED: 11/03/94
DATE RECEIVED: 11/03/94
REPORT DATE: 11/29/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	**EPA 8020**				
Benzene	71-43-2	ND	10	ug/kg	11/10/94
Toluene	108-88-3	ND	10	ug/kg	11/10/94
Ethylbenzene	100-41-4	ND	10	ug/kg	11/10/94
Xylenes, Total	1330-20-7	ND	10	ug/kg	11/10/94
Purgeable HCs as Gasoline	5030/GCFID	44 *	2	mg/kg	11/10/94
#Extraction for TPH	**EPA 3550**	-		Extrn Date	11/07/94
TPH as Diesel	**GC-FID**	80 *	1	mg/kg	11/12/94
VOCs in Soil by 8240	**EPA 8240**				
Acetone	67-64-1	ND	100	ug/kg	11/08/94
Benzene	71-43-2	ND	5	ug/kg	11/08/94
Bromodichloromethane	75-27-4	ND	5	ug/kg	11/08/94
Bromoform	75-25-2	ND	5	ug/kg	11/08/94
Bromomethane	74-83-9	ND	10	ug/kg	11/08/94
2-Butanone	78-93-3	ND	100	ug/kg	11/08/94
Carbon Disulfide	75-15-0	ND	10	ug/kg	11/08/94
Carbon Tetrachloride	56-23-5	ND	5	ug/kg	11/08/94
Chlorobenzene	108-90-7	39 *	5	ug/kg	11/08/94
Chloroethane	75-00-3	ND	10	ug/kg	11/08/94
2-Chloroethyl Vinyl Ether	110-75-8	ND	10	ug/kg	11/08/94
Chloroform	67-66-3	ND	5	ug/kg	11/08/94
Chloromethane	74-87-3	ND	10	ug/kg	11/08/94
Dibromochloromethane	124-48-1	ND	5	ug/kg	11/08/94
1,1-Dichloroethane	75-43-3	ND	5	ug/kg	11/08/94
1,2-Dichloroethane	107-06-2	ND	5	ug/kg	11/08/94
1,1-Dichloroethene	75-35-4	ND	5	ug/kg	11/08/94
cis-1,2-Dichloroethene	156-59-2	ND	5	ug/kg	11/08/94
trans-1,2-Dichloroethene	156-60-5	ND	5	ug/kg	11/08/94
1,2-Dichloropropane	78-87-5	ND	5	ug/kg	11/08/94
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/kg	11/08/94
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/kg	11/08/94
Ethylbenzene	100-41-4	ND	5	ug/kg	11/08/94
2-Hexanone	591-78-6	ND	50	ug/kg	11/08/94
Methylene Chloride	75-09-2	ND	5	ug/kg	11/08/94
4-Methyl-2-pentanone	108-10-1	ND	50	ug/kg	11/08/94
Styrene	100-42-5	ND	5	ug/kg	11/08/94
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/kg	11/08/94
Tetrachloroethene	127-18-4	ND	5	ug/kg	11/08/94
Toluene	108-88-3	ND	5	ug/kg	11/08/94

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SAMPLE ID: EX-2
AEN LAB NO: 9411038-02
AEN WORK ORDER: 9411038
CLIENT PROJ. ID: 2436

DATE SAMPLED: 11/03/94
DATE RECEIVED: 11/03/94
REPORT DATE: 11/29/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
1,1,1-Trichloroethane	71-55-6	ND	5	ug/kg	11/08/94
1,1,2-Trichloroethane	79-00-5	ND	5	ug/kg	11/08/94
Trichloroethene	79-01-6	ND	5	ug/kg	11/08/94
Vinyl Acetate	108-05-4	ND	50	ug/kg	11/08/94
Vinyl Chloride	75-01-4	ND	10	ug/kg	11/08/94
Xylenes Total	1330-20-7	ND	10	ug/kg	11/08/94
#Extraction for PNAs	EPA 3550	-		Extrn Date	11/07/94
PNAs by EPA 8270	EPA 8270				
Acenaphthene	83-32-9	ND	200	ug/kg	11/08/94
Acenaphthylene	208-96-8	ND	200	ug/kg	11/08/94
Anthracene	120-12-7	ND	200	ug/kg	11/08/94
Benzo(a)anthracene	56-55-3	ND	200	ug/kg	11/08/94
Benzo(b)fluoranthene	205-99-2	ND	200	ug/kg	11/08/94
Benzo(k)fluoranthene	207-08-9	ND	200	ug/kg	11/08/94
Benzo(g,h,i)perylene	191-24-2	ND	200	ug/kg	11/08/94
Benzo(a)pyrene	50-32-8	ND	200	ug/kg	11/08/94
Chrysene	218-01-9	ND	200	ug/kg	11/08/94
Dibenzo(a,h)anthracene	53-70-3	ND	200	ug/kg	11/08/94
Fluoranthene	206-44-0	ND	200	ug/kg	11/08/94
Fluorene	86-73-7	ND	200	ug/kg	11/08/94
Indeno(1,2,3-cd)pyrene	193-39-5	ND	200	ug/kg	11/08/94
Naphthalene	91-20-3	ND	200	ug/kg	11/08/94
Phenanthrene	85-01-8	ND	200	ug/kg	11/08/94
Pyrene	129-00-0	ND	200	ug/kg	11/08/94
2-Methylnaphthalene	91-57-6	ND	200	ug/kg	11/08/94

Reporting limits elevated for gasoline/BTEX due to high levels of target compounds; sample run at dilution.

ND = Not detected at or above the reporting limit
* = Value above reporting limit

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SAMPLE ID: EX-3
AEN LAB NO: 9411038-03
AEN WORK ORDER: 9411038
CLIENT PROJ. ID: 2436

DATE SAMPLED: 11/03/94
DATE RECEIVED: 11/03/94
REPORT DATE: 11/29/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	110 *	100	ug/kg	11/09/94
Toluene	108-88-3	1,100 *	100	ug/kg	11/09/94
Ethylbenzene	100-41-4	530 *	100	ug/kg	11/09/94
Xylenes, Total	1330-20-7	3,000 *	100	ug/kg	11/09/94
Purgeable HCs as Gasoline	5030/GCFID	280 *	20	mg/kg	11/09/94
#Extraction for TPH	EPA 3550	-		Extrn Date	11/07/94
TPH as Diesel	GC-FID	470 *	1	mg/kg	11/13/94
#Digestion, Metals by GFAA	EPA 3050	-		Prep Date	11/07/94
#Digestion, Metals AA/ICP	EPA 3050	-		Prep Date	11/07/94
VOCs in Soil by 8240	EPA 8240				
Acetone	67-64-1	ND	100	ug/kg	11/08/94
Benzene	71-43-2	ND	5	ug/kg	11/08/94
Bromodichloromethane	75-27-4	ND	5	ug/kg	11/08/94
Bromoform	75-25-2	ND	5	ug/kg	11/08/94
Bromomethane	74-83-9	ND	10	ug/kg	11/08/94
2-Butanone	78-93-3	ND	100	ug/kg	11/08/94
Carbon Disulfide	75-15-0	ND	10	ug/kg	11/08/94
Carbon Tetrachloride	56-23-5	ND	5	ug/kg	11/08/94
Chlorobenzene	108-90-7	980 *	5	ug/kg	11/09/94
Chloroethane	75-00-3	ND	10	ug/kg	11/08/94
2-Chloroethyl Vinyl Ether	110-75-8	ND	10	ug/kg	11/08/94
Chloroform	67-66-3	ND	5	ug/kg	11/08/94
Chloromethane	74-87-3	ND	10	ug/kg	11/08/94
Dibromochloromethane	124-48-1	ND	5	ug/kg	11/08/94
1,1-Dichloroethane	75-43-3	ND	5	ug/kg	11/08/94
1,2-Dichloroethane	107-06-2	ND	5	ug/kg	11/08/94
1,1-Dichloroethene	75-35-4	ND	5	ug/kg	11/08/94
cis-1,2-Dichloroethene	156-59-2	ND	5	ug/kg	11/08/94
trans-1,2-Dichloroethene	156-60-5	ND	5	ug/kg	11/08/94
1,2-Dichloropropane	78-87-5	ND	5	ug/kg	11/08/94
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/kg	11/08/94
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/kg	11/08/94
Ethylbenzene	100-41-4	230 *	5	ug/kg	11/09/94
2-Hexanone	591-78-6	ND	50	ug/kg	11/08/94
Methylene Chloride	75-09-2	ND	5	ug/kg	11/08/94
4-Methyl-2-pentanone	108-10-1	ND	50	ug/kg	11/08/94

GEOMATRIX CONSULTANTS

SAMPLE ID: EX-3
AEN LAB NO: 9411038-03
AEN WORK ORDER: 9411038
CLIENT PROJ. ID: 2436

DATE SAMPLED: 11/03/94
DATE RECEIVED: 11/03/94
REPORT DATE: 11/29/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Styrene	100-42-5	ND	5	ug/kg	11/08/94
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/kg	11/08/94
Tetrachloroethene	127-18-4	ND	5	ug/kg	11/08/94
Toluene	108-88-3	18 *	5	ug/kg	11/08/94
1,1,1-Trichloroethane	71-55-6	ND	5	ug/kg	11/08/94
1,1,2-Trichloroethane	79-00-5	ND	5	ug/kg	11/08/94
Trichloroethene	79-01-6	ND	5	ug/kg	11/08/94
Vinyl Acetate	108-05-4	ND	50	ug/kg	11/08/94
Vinyl Chloride	75-01-4	ND	10	ug/kg	11/08/94
Xylenes Total	1330-20-7	340 *	10	ug/kg	11/09/94
CCR 17 Metals					
Ag Silver	EPA 6010	ND	0.1	mg/kg	11/08/94
As Arsenic	EPA 7060	2 *	1	mg/kg	11/08/94
Ba Barium	EPA 6010	120 *	3	mg/kg	11/08/94
Be Beryllium	EPA 6010	0.3 *	0.1	mg/kg	11/08/94
Cd Cadmium	EPA 6010	ND	0.1	mg/kg	11/08/94
Co Cobalt	EPA 6010	7.7 *	0.3	mg/kg	11/08/94
Cr Chromium	EPA 6010	39 *	1	mg/kg	11/08/94
Cu Copper	EPA 6010	16 *	0.5	mg/kg	11/08/94
Hg Mercury	EPA 7471	ND	0.06	mg/kg	11/06/94
Mo Molybdenum	EPA 6010	ND	0.3	mg/kg	11/08/94
Ni Nickel	EPA 6010	29 *	1	mg/kg	11/08/94
Pb Lead	EPA 6010	8 *	1	mg/kg	11/08/94
Sb Antimony	EPA 6010	ND	1	mg/kg	11/08/94
Se Selenium	EPA 7740	ND	2	mg/kg	11/08/94
Tl Thallium	EPA 6010	2 *	1	mg/kg	11/08/94
V Vanadium	EPA 6010	29 *	1	mg/kg	11/08/94
Zn Zinc	EPA 6010	31 *	1	mg/kg	11/08/94
#Extraction for PNAs	EPA 3550	-		Extrn Date	11/07/94
PNAs by EPA 8270	EPA 8270				
Acenaphthene	83-32-9	ND	200	ug/kg	11/08/94
Acenaphthylene	208-96-8	ND	200	ug/kg	11/08/94
Anthracene	120-12-7	ND	200	ug/kg	11/08/94
Benzo(a)anthracene	56-55-3	ND	200	ug/kg	11/08/94
Benzo(b)fluoranthene	205-99-2	ND	200	ug/kg	11/08/94
Benzo(k)fluoranthene	207-08-9	ND	200	ug/kg	11/08/94
Benzo(g,h,i)perylene	191-24-2	ND	200	ug/kg	11/08/94
Benzo(a)pyrene	50-32-8	ND	200	ug/kg	11/08/94
Chrysene	218-01-9	ND	200	ug/kg	11/08/94
Dibenzo(a,h)anthracene	53-70-3	ND	200	ug/kg	11/08/94

GEOMATRIX CONSULTANTS

SAMPLE ID: EX-3
AEN LAB NO: 9411038-03
AEN WORK ORDER: 9411038
CLIENT PROJ. ID: 2436

DATE SAMPLED: 11/03/94
DATE RECEIVED: 11/03/94
REPORT DATE: 11/29/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Fluoranthene	206-44-0	ND	200	ug/kg	11/08/94
Fluorene	86-73-7	ND	200	ug/kg	11/08/94
Indeno(1,2,3-cd)pyrene	193-39-5	ND	200	ug/kg	11/08/94
Naphthalene	91-20-3	ND	200	ug/kg	11/08/94
Phenanthrene	85-01-8	ND	200	ug/kg	11/08/94
Pyrene	129-00-0	ND	200	ug/kg	11/08/94
2-Methylnaphthalene	91-57-6	ND	200	ug/kg	11/08/94

Reporting limits elevated for gasoline/BTEX due to high levels of target compounds; sample run at dilution.

ND = Not detected at or above the reporting limit
* = Value above reporting limit

GEOMATRIX CONSULTANTS

SAMPLE ID: EX-4
AEN LAB NO: 9411038-04
AEN WORK ORDER: 9411038
CLIENT PROJ. ID: 2436

DATE SAMPLED: 11/03/94
DATE RECEIVED: 11/03/94
REPORT DATE: 11/29/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
1,1,1-Trichloroethane	71-55-6	ND	5	ug/kg	11/08/94
1,1,2-Trichloroethane	79-00-5	ND	5	ug/kg	11/08/94
Trichloroethene	79-01-6	ND	5	ug/kg	11/08/94
Vinyl Acetate	108-05-4	ND	50	ug/kg	11/08/94
Vinyl Chloride	75-01-4	ND	10	ug/kg	11/08/94
Xylenes Total	1330-20-7	ND	10	ug/kg	11/08/94
#Extraction for PNAs	EPA 3550	-		Extrn Date	11/07/94
PNAs by EPA 8270	EPA 8270				
Acenaphthene	83-32-9	ND	200	ug/kg	11/08/94
Acenaphthylene	208-96-8	ND	200	ug/kg	11/08/94
Anthracene	120-12-7	ND	200	ug/kg	11/08/94
Benzo(a)anthracene	56-55-3	ND	200	ug/kg	11/08/94
Benzo(b)fluoranthene	205-99-2	ND	200	ug/kg	11/08/94
Benzo(k)fluoranthene	207-08-9	ND	200	ug/kg	11/08/94
Benzo(g,h,i)perylene	191-24-2	ND	200	ug/kg	11/08/94
Benzo(a)pyrene	50-32-8	ND	200	ug/kg	11/08/94
Chrysene	218-01-9	ND	200	ug/kg	11/08/94
Dibenzo(a,h)anthracene	53-70-3	ND	200	ug/kg	11/08/94
Fluoranthene	206-44-0	ND	200	ug/kg	11/08/94
Fluorene	86-73-7	ND	200	ug/kg	11/08/94
Indeno(1,2,3-cd)pyrene	193-39-5	ND	200	ug/kg	11/08/94
Naphthalene	91-20-3	ND	200	ug/kg	11/08/94
Phenanthrene	85-01-8	ND	200	ug/kg	11/08/94
Pyrene	129-00-0	ND	200	ug/kg	11/08/94
2-Methylnaphthalene	91-57-6	ND	200	ug/kg	11/08/94

Reporting limits elevated for gasoline/BTEX due to high levels of target compounds; sample run at dilution.

ND = Not detected at or above the reporting limit
* = Value above reporting limit

GEOMATRIX CONSULTANTS

SAMPLE ID: EX-5
AEN LAB NO: 9411038-05
AEN WORK ORDER: 9411038
CLIENT PROJ. ID: 2436

DATE SAMPLED: 11/03/94
DATE RECEIVED: 11/03/94
REPORT DATE: 11/29/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	**EPA 8020**				
Benzene	71-43-2	ND	10	ug/kg	11/10/94
Toluene	108-88-3	ND	10	ug/kg	11/10/94
Ethylbenzene	100-41-4	ND	10	ug/kg	11/10/94
Xylenes, Total	1330-20-7	ND	10	ug/kg	11/10/94
Purgeable HCs as Gasoline	5030/GCFID	71 *	2	mg/kg	11/10/94
#Extraction for TPH	**EPA 3550**	-		Extrn Date	11/07/94
TPH as Diesel	**GC-FID**	110 *	1	mg/kg	11/12/94
VOCs in Soil by 8240	**EPA 8240**				
Acetone	67-64-1	ND	100	ug/kg	11/08/94
Benzene	71-43-2	ND	5	ug/kg	11/08/94
Bromodichloromethane	75-27-4	ND	5	ug/kg	11/08/94
Bromoform	75-25-2	ND	5	ug/kg	11/08/94
Bromomethane	74-83-9	ND	10	ug/kg	11/08/94
2-Butanone	78-93-3	ND	100	ug/kg	11/08/94
Carbon Disulfide	75-15-0	ND	10	ug/kg	11/08/94
Carbon Tetrachloride	56-23-5	ND	5	ug/kg	11/08/94
Chlorobenzene	108-90-7	45 *	5	ug/kg	11/08/94
Chloroethane	75-00-3	ND	10	ug/kg	11/08/94
2-Chloroethyl Vinyl Ether	110-75-8	ND	10	ug/kg	11/08/94
Chloroform	67-66-3	ND	5	ug/kg	11/08/94
Chloromethane	74-87-3	ND	10	ug/kg	11/08/94
Dibromochloromethane	124-48-1	ND	5	ug/kg	11/08/94
1,1-Dichloroethane	75-43-3	ND	5	ug/kg	11/08/94
1,2-Dichloroethane	107-06-2	ND	5	ug/kg	11/08/94
1,1-Dichloroethene	75-35-4	ND	5	ug/kg	11/08/94
cis-1,2-Dichloroethene	156-59-2	ND	5	ug/kg	11/08/94
trans-1,2-Dichloroethene	156-60-5	ND	5	ug/kg	11/08/94
1,2-Dichloropropane	78-87-5	ND	5	ug/kg	11/08/94
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/kg	11/08/94
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/kg	11/08/94
Ethylbenzene	100-41-4	ND	5	ug/kg	11/08/94
2-Hexanone	591-78-6	ND	50	ug/kg	11/08/94
Methylene Chloride	75-09-2	ND	5	ug/kg	11/08/94
4-Methyl-2-pentanone	108-10-1	ND	50	ug/kg	11/08/94
Styrene	100-42-5	ND	5	ug/kg	11/08/94
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/kg	11/08/94
Tetrachloroethene	127-18-4	ND	5	ug/kg	11/08/94
Toluene	108-88-3	ND	5	ug/kg	11/08/94

GEOMATRIX CONSULTANTS

SAMPLE ID: EX-5
AEN LAB NO: 9411038-05
AEN WORK ORDER: 9411038
CLIENT PROJ. ID: 2436

DATE SAMPLED: 11/03/94
DATE RECEIVED: 11/03/94
REPORT DATE: 11/29/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
1,1,1-Trichloroethane	71-55-6	ND	5	ug/kg	11/08/94
1,1,2-Trichloroethane	79-00-5	ND	5	ug/kg	11/08/94
Trichloroethene	79-01-6	ND	5	ug/kg	11/08/94
Vinyl Acetate	108-05-4	ND	50	ug/kg	11/08/94
Vinyl Chloride	75-01-4	ND	10	ug/kg	11/08/94
Xylenes Total	1330-20-7	12 *	10	ug/kg	11/08/94
#Extraction for PNAs	EPA 3550	-		Extrn Date	11/07/94
PNAs by EPA 8270	EPA 8270				
Acenaphthene	83-32-9	ND	200	ug/kg	11/18/94
Acenaphthylene	208-96-8	ND	200	ug/kg	11/18/94
Anthracene	120-12-7	ND	200	ug/kg	11/18/94
Benzo(a)anthracene	56-55-3	ND	200	ug/kg	11/18/94
Benzo(b)fluoranthene	205-99-2	ND	200	ug/kg	11/18/94
Benzo(k)fluoranthene	207-08-9	ND	200	ug/kg	11/18/94
Benzo(g,h,i)perylene	191-24-2	ND	200	ug/kg	11/18/94
Benzo(a)pyrene	50-32-8	ND	200	ug/kg	11/18/94
Chrysene	218-01-9	ND	200	ug/kg	11/18/94
Dibenzo(a,h)anthracene	53-70-3	ND	200	ug/kg	11/18/94
Fluoranthene	206-44-0	ND	200	ug/kg	11/18/94
Fluorene	86-73-7	ND	200	ug/kg	11/18/94
Indeno(1,2,3-cd)pyrene	193-39-5	ND	200	ug/kg	11/18/94
Naphthalene	91-20-3	ND	200	ug/kg	11/18/94
Phenanthrene	85-01-8	ND	200	ug/kg	11/18/94
Pyrene	129-00-0	ND	200	ug/kg	11/18/94
2-Methylnaphthalene	91-57-6	ND	200	ug/kg	11/18/94

Reporting limits elevated for gasoline/BTEX due to high levels of target compounds. Sample run at dilution.

ND = Not detected at or above the reporting limit
* = Value above reporting limit

GEOMATRIX CONSULTANTS

SAMPLE ID: SPC1-4
AEN LAB NO: 9411038-07
AEN WORK ORDER: 9411038
CLIENT PROJ. ID: 2436

DATE SAMPLED: 11/03/94
DATE RECEIVED: 11/03/94
REPORT DATE: 11/29/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	**EPA 8020**				
Benzene	71-43-2	ND	5	ug/kg	11/09/94
Toluene	108-88-3	ND	5	ug/kg	11/09/94
Ethylbenzene	100-41-4	ND	5	ug/kg	11/09/94
Xylenes, Total	1330-20-7	ND	5	ug/kg	11/09/94
Purgeable HCs as Gasoline	5030/GCFID	ND	0.2	mg/kg	11/09/94
#Extraction for TPH	**EPA 3550**	-		Extrn Date	11/07/94
TPH as Diesel	**GC-FID**	50 *	10	mg/kg	11/14/94
VOCs in Soil by 8240	**EPA 8240**				
Acetone	67-64-1	ND	100	ug/kg	11/08/94
Benzene	71-43-2	ND	5	ug/kg	11/08/94
Bromodichloromethane	75-27-4	ND	5	ug/kg	11/08/94
Bromoform	75-25-2	ND	5	ug/kg	11/08/94
Bromomethane	74-83-9	ND	10	ug/kg	11/08/94
2-Butanone	78-93-3	ND	100	ug/kg	11/08/94
Carbon Disulfide	75-15-0	ND	10	ug/kg	11/08/94
Carbon Tetrachloride	56-23-5	ND	5	ug/kg	11/08/94
Chlorobenzene	108-90-7	ND	5	ug/kg	11/08/94
Chloroethane	75-00-3	ND	10	ug/kg	11/08/94
2-Chloroethyl Vinyl Ether	110-75-8	ND	10	ug/kg	11/08/94
Chloroform	67-66-3	ND	5	ug/kg	11/08/94
Chloromethane	74-87-3	ND	10	ug/kg	11/08/94
Dibromochloromethane	124-48-1	ND	5	ug/kg	11/08/94
1,1-Dichloroethane	75-43-3	ND	5	ug/kg	11/08/94
1,2-Dichloroethane	107-06-2	ND	5	ug/kg	11/08/94
1,1-Dichloroethene	75-35-4	ND	5	ug/kg	11/08/94
cis-1,2-Dichloroethene	156-59-2	ND	5	ug/kg	11/08/94
trans-1,2-Dichloroethene	156-60-5	ND	5	ug/kg	11/08/94
1,2-Dichloropropane	78-87-5	ND	5	ug/kg	11/08/94
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/kg	11/08/94
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/kg	11/08/94
Ethylbenzene	100-41-4	ND	5	ug/kg	11/08/94
2-Hexanone	591-78-6	ND	50	ug/kg	11/08/94
Methylene Chloride	75-09-2	ND	5	ug/kg	11/08/94
4-Methyl-2-pentanone	108-10-1	ND	50	ug/kg	11/08/94
Styrene	100-42-5	ND	5	ug/kg	11/08/94
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/kg	11/08/94
Tetrachloroethene	127-18-4	ND	5	ug/kg	11/08/94
Toluene	108-88-3	ND	5	ug/kg	11/08/94

GEOMATRIX CONSULTANTS

SAMPLE ID: SPC1-4
AEN LAB NO: 9411038-07
AEN WORK ORDER: 9411038
CLIENT PROJ. ID: 2436

DATE SAMPLED: 11/03/94
DATE RECEIVED: 11/03/94
REPORT DATE: 11/29/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
1,1,1-Trichloroethane	71-55-6	ND	5	ug/kg	11/08/94
1,1,2-Trichloroethane	79-00-5	ND	5	ug/kg	11/08/94
Trichloroethene	79-01-6	ND	5	ug/kg	11/08/94
Vinyl Acetate	108-05-4	ND	50	ug/kg	11/08/94
Vinyl Chloride	75-01-4	ND	10	ug/kg	11/08/94
Xylenes Total	1330-20-7	ND	10	ug/kg	11/08/94
#Extraction for PNAs	EPA 3550	-		Extrn Date	11/07/94
PNAs by EPA 8270	EPA 8270				
Acenaphthene	83-32-9	ND	4000	ug/kg	11/19/94
Acenaphthylene	208-96-8	ND	4000	ug/kg	11/19/94
Anthracene	120-12-7	ND	4000	ug/kg	11/19/94
Benzo(a)anthracene	56-55-3	ND	4000	ug/kg	11/19/94
Benzo(b)fluoranthene	205-99-2	ND	4000	ug/kg	11/19/94
Benzo(k)fluoranthene	207-08-9	ND	4000	ug/kg	11/19/94
Benzo(g,h,i)perylene	191-24-2	ND	4000	ug/kg	11/19/94
Benzo(a)pyrene	50-32-8	ND	4000	ug/kg	11/19/94
Chrysene	218-01-9	ND	4000	ug/kg	11/19/94
Dibenzo(a,h)anthracene	53-70-3	ND	4000	ug/kg	11/19/94
Fluoranthene	206-44-0	ND	4000	ug/kg	11/19/94
Fluorene	86-73-7	ND	4000	ug/kg	11/19/94
Indeno(1,2,3-cd)pyrene	193-39-5	ND	4000	ug/kg	11/19/94
Naphthalene	91-20-3	ND	4000	ug/kg	11/19/94
Phenanthrene	85-01-8	ND	4000	ug/kg	11/19/94
Pyrene	129-00-0	ND	4000	ug/kg	11/19/94
2-Methylnaphthalene	91-57-6	ND	4000	ug/kg	11/19/94

Reporting limits elevated for diesel and EPA 8270 due to high levels of non-target compounds; sample run at dilution.

ND = Not detected at or above the reporting limit
* = Value above reporting limit

AEN (CALIFORNIA)
QUALITY CONTROL REPORT

AEN JOB NUMBER: 9411038

CLIENT PROJECT ID: 2436

Quality Control and Project Summary

All laboratory quality control parameters were found to be within established limits.

Definitions

Laboratory Control Sample (LCS)/Method Spike(s): Control samples of known composition. LCS and Method Spike data are used to validate batch analytical results.

Matrix Spike(s): Aliquot of a sample (aqueous or solid) with added quantities of specific compounds and subjected to the entire analytical procedure. Matrix spike and matrix spike duplicate QC data are advisory.

Method Blank: An analytical control consisting of all reagents, internal standards, and surrogate standards carried through the entire analytical process. Used to monitor laboratory background and reagent contamination.

Not Detected (ND): Not detected at or above the reporting limit.

Relative Percent Difference (RPD): An indication of method precision based on duplicate analysis.

Reporting Limit (RL): The lowest concentration routinely determined during laboratory operations. The RL is generally 1 to 10 times the Method Detection Limit (MDL). Reporting limits are matrix, method, and analyte dependent and take into account any dilutions performed as part of the analysis.

Surrogates: Organic compounds which are similar to analytes of interest in chemical behavior, but are not found in environmental samples. Surrogates are added to all blanks, calibration and check standards, samples, and spiked samples. Surrogate recovery is monitored as an indication of acceptable sample preparation and instrumental performance.

D: Surrogates diluted out.

#: Indicates result outside of established laboratory QC limits.

QUALITY CONTROL DATA

METHOD: EPA 3550 GCFID

AEN JOB NO: 9411038
DATE EXTRACTED: 11/07/94
INSTRUMENT: C
MATRIX: SOIL

Surrogate Standard Recovery Summary

Date Analyzed	Client Id.	Lab Id.	Percent Recovery n-Pentacosane
11/12/94	EX-1	01	79
11/12/94	EX-2	02	91
11/13/94	EX-3	03	D
11/12/94	EX-4	04	89
11/12/94	EX-5	05	87
11/14/94	SPC1-4	07	75
QC Limits:			45-120

D: Surrogate diluted out

DATE EXTRACTED: 11/07/94
DATE ANALYZED: 11/10/94
SAMPLE SPIKED: 9411028-18
INSTRUMENT: C

Matrix Spike Recovery Summary

Analyte	Spike Added (mg/kg)	Average Percent Recovery	RPD	QC Limits Percent Recovery	QC Limits RPD
Diesel	34	91	10	44-108	13

Daily method blanks for all associated analytical runs showed no contamination over the reporting limit.

QUALITY CONTROL DATA

METHOD: EPA 8020, 5030 GCFID

AEN JOB NO: 9411038
INSTRUMENT: E
MATRIX: SOIL

Surrogate Standard Recovery Summary

Date Analyzed	Client Id.	Lab Id.	Percent Recovery Fluorobenzene
11/10/94	EX-1	01	98
11/11/94	EX-2	02	99
11/09/94	EX-3	03	99
11/09/94	EX-4	04	99
11/10/94	EX-5	05	96
11/09/94	SPC1-4	07	101
QC Limits:			84-117

DATE ANALYZED: 11/09/94
SAMPLE SPIKED: 9411028-07
INSTRUMENT: E

Matrix Spike Recovery Summary

Analyte	Spike Added (ug/kg)	Average Percent Recovery	RPD	QC Limits Percent Recovery	QC Limits RPD
Benzene	35.5	89	6	80-130	26
Toluene	95.7	93	4	75-129	27
Hydrocarbons as Gasoline	1000	90	5	66-128	34

Daily method blanks for all associated analytical runs showed no contamination over the reporting limit.

QUALITY CONTROL DATA

AEN JOB NO: 9411038
AEN LAB NO: 1108-BLANK
DATE ANALYZED: 11/08/94
INSTRUMENT: 13
MATRIX: SOIL

Volatile Organic Compounds
Method: EPA 8240

Analyte	CAS #	Result (ug/kg)	Reporting Limit (ug/kg)
Acetone	67-64-1	ND	100
Benzene	71-43-2	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	10
2-Butanone	78-93-3	ND	100
Carbon Disulfide	75-15-0	ND	10
Carbon Tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	10
2-Chloroethyl Vinyl Ether	110-75-8	ND	10
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	10
Dibromochloromethane	124-48-1	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5
1,2-Dichloropropane	78-87-5	ND	5
cis-1,3-Dichloropropene	10061-01-5	ND	5
trans-1,3-Dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
2-Hexanone	591-78-6	ND	50
Methylene Chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	50
Styrene	100-42-5	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Vinyl Acetate	108-05-4	ND	50
Vinyl Chloride	75-01-4	ND	10
Xylenes, total	1330-20-7	ND	10

QUALITY CONTROL DATA

METHOD: EPA 8240

AEN JOB NO: 9411038
INSTRUMENT: 13
MATRIX: SOIL

Surrogate Standard Recovery Summary

Date Analyzed	Client Id.	Lab Id.	Percent Recovery 1,2-Dichloroethane-d_4	Toluene-d_8	p-Bromofluorobenzene
11/08/94	EX-1	01	106	98	105
11/08/94	EX-2	02	103	108	106
11/08/94	EX-3	03	102	119	70
11/08/94	EX-4	04	97	108	104
11/08/94	EX-5	05	97	102	102
11/08/94	SPC1-4	07	103	101	107
QC Limits:			46-138	81-124	70-111

DATE ANALYZED: 11/06/94
SAMPLE SPIKED: 9411051-06
INSTRUMENT: 13

Matrix Spike Recovery Summary

Analyte	Spike Added (ug/kg)	Average Percent Recovery	RPD	QC Limits Percent Recovery	QC Limits RPD
1,1-Dichloroethene	50	128	14	76-161	15
Trichloroethene	50	113	1	71-130	11
Benzene	50	111	<1	90-128	11
Toluene	50	101	1	64-129	13
Chlorobenzene	50	107	2	89-115	13

QUALITY CONTROL DATA

METHOD: EPA 8270

AEN JOB NO: 9411038
DATE EXTRACTED: 11/07/94
INSTRUMENT: 11
MATRIX: SOIL

Surrogate Standard Recovery Summary

Date Analyzed	Client Id.	Lab Id.	Percent Recovery: Nitro-benzene-d_5	2-Fluoro-biphenyl	Terphenyl-d_{14}	Phenol-d_5	2-Fluoro-phenol	2,4,6-Tribromo-phenol
11/08/94	EX-1	01	71	73	77	72	59	85
11/08/94	EX-2	02	78	89	92	77	69	94
11/08/94	EX-3	03	70	91	82	77	76	111
11/08/94	EX-4	04	78	83	91	79	64	95
11/18/94	EX-5	05	64	80	70	68	53	69
11/19/94	SPC1-4	07	D	D	D	D	D	D
QC Limits:			23-120	30-115	18-137	24-113	25-121	19-122

D: Surrogate diluted out

DATE EXTRACTED: 11/03/94
DATE ANALYZED: 11/04/94
SAMPLE SPIKED: 9411036-05
INSTRUMENT: 11

Matrix Spike Recovery Summary

Analyte	Spike Added (ug/kg)	Average Percent Recovery	RPD	QC Limits: Percent Recovery	QC Limits: RPD
1,4-Dichlorobenzene	3400	64	7	28- 81	9
N-Nitroso-di-n-propylamine	3320	79	13	27- 83	20
1,2,4-Trichlorobenzene	3330	68	16	30- 82	22
Acenaphthene	3330	77	5	30-101	17
2,4-Dinitrotoluene	3330	74	3	26- 86	24
Pyrene	3320	74	9	23-128	23

Daily method blanks for all associated analytical runs showed no contamination over the reporting limit.

QUALITY CONTROL DATA

AEN JOB NO: 9411038
SAMPLE SPIKED: SAND
DATE(S) ANALYZED: 11/06-08/94
MATRIX: SOIL

Method Spike Recovery Summary

Analyte	Inst./ Method	Spike Added (mg/kg)	Average Percent Recovery	RPD	QC Limits Percent Recovery	QC Limits RPD
Ag, Silver	ICP/6010	10	56	<1	40-100	7
As, Arsenic	4000/7060	20	104	2	76-128	15
Ba, Barium	ICP/6010	200	99	1	85-108	6
Cd, Cadmium	ICP/6010	10	96	2	79-102	7
Cr, Chromium	ICP/6010	50	95	1	85-107	7
Cu, Copper	ICP/6010	50	96	3	89-107	6
Hg, Mercury	Hg/7471	0.4	104	1	75-125	15
Ni, Nickel	ICP/6010	50	96	2	85-107	6
Pb, Lead	ICP/6010	50	97	2	84-111	7
Se, Selenium	4000/7740	40	93	2	70-125	14
Zn, Zinc	ICP/6010	50	92	2	82-107	8

Daily method blanks for all associated runs showed no contamination over the reporting limit.

*** END OF REPORT ***

K ... 9411038

Chain-of-Custody Record

9850 | Date: 11-3-94 | Page 1 of 1

Project No.: 2436

Samplers (Signatures): Stacy Anich

Date	Time	Sample Number	EPA Method 8010	EPA Method 8020	EPA Method 8240	EPA Method 8270	TPH as gasoline	TPH as diesel	TPH as BTEX	CDHS ... 8270	including	2-Methyl...	CAM 17 metals	HOLD	Cooled	Soil (S) or water (W)	Acidified	Number of containers	Additional comments
11/3	1155	EX-1 01A			X		X	X	X	X	X	X				S		1	Diesel by 3550/8015, gasoline by 5030/8015
	1245	EX-2 02A			X		X	X	X	X	X	X						1	
	1225	EX-3 03A			X		X	X	X	X	X	X	X					1	
	1250	EX-4 04A			X		X	X	X	X	X	X						1	
	1300	EX-5 05A			X		X	X	X	X	X	X						1	
	1130	SPA 1-2 06A												X				2	composite + homogenize
	1330	SPB 3-4 07A?												X				2	
	1330	SP C 1-4 07A			X		X	X	X	X	X	X						4	composite + homogenize

Turnaround time: STANDARD

Results to: STACY ANICH

Total No. of containers: 13

Relinquished by:	Date:	Relinquished by:	Date:	Relinquished by:	Date:	Method of shipment:
Signature: Stacy Anich	11/3 1994	Signature: Michael E. McMullin	11/3 94	Signature:		Pickup
Printed name: STACY ANICH		Printed name:		Printed name:		Laboratory comments and Log No.:
Company: GMX		Company:		Company:		
Received by:	**Time:**	**Received by:**	**Time:**	**Received by:**	**Time:**	
Signature: Michael E. McMullin	1610	Signature: Anna C. Gillespie	1705	Signature:		
Printed name: Michael McMullin		Printed name: Gaile? Gillespie		Printed name:		
Company: AEN		Company: AEN 11-3-94 1705		Company:		

Geomatrix Consultants
100 Pine St. 10th Floor
San Francisco, CA. 94111
(415) 434-9400

GEOMATRIX

APPENDIX B

ANALYTICAL RESULTS OF BACKFILL MATERIAL

Geochem ENVIRONMENTAL LABORATORIES

Mobile & In-House Laboratories Certified by State of California
Phone: (408) 955-9988 / FAX: (408) 955-9538

QUALITY CONTROL RESULTS

Client: Trumpp Brothers
1540 Industrial Ave.
San Jose, CA 95112
Attn: Gary Trumpp

Analysis: 8015M/TPH

Date of Analysis: 10/18/94

Laboratory Sample #:B101894.1

Project Name: 950 Lakeville

	Sample Conc. (ppm)	Spike Conc. (ppm)	MS (ppm)	Rec. #1 (%)	MSD (ppm)	Rec. #2 (%)	Rel. Diff (%)
8015M/TPH	0	800	863	108	824	103	5

Reviewed and approved by George Tsai 10/21/94
George Tsai, Laboratory Director

Geochem ENVIRONMENTAL LABORATORIES

Mobile & In-House Laboratories Certified by State of California

Phone: (408) 955-9988 / FAX: (408) 955-9538

ANALYTICAL REPORT

****

Client: Trumpp Brothers
1540 Industrial Ave.
San Jose, CA 95112
Attn: Gary Trumpp

Date Sampled: 10/12/94
Date Received: 10/12/94
Date Analyzed: 10/18/94
Batch:SD-480 Matrix: Soil
Conc. Unit mg/kg (ppm)

Project: 950 Lakeville

****

"**ND**" means "not detected" at indicated detection limit.
B:benzene, **T**:toluene, **E**:ethylbenzene & **X**:total xylenes.
Samples recieved chilled with a chain of custody record.

SAMPLE I.D.	8015M/TPH Diesel	8015M/TPH Gasoline
DETECTION LIMIT	1 ppm	1 ppm
MVR-2	ND	ND

* Samples were received with evidence tape intact.

Reviewed and approved by George Tsai 10/21/94
George Tsai, Laboratory Director

Geochem ENVIRONMENTAL LABORATORIES

Mobile & In-House Laboratories Certified by State of California
Phone: (714) 222-1020 / FAX: (714) 222-0709

Matrix Spike Recovery For TTLC Analysis by EPA 6010 (ICP)

Client: Trumpp Bros. Inc.
Date Analyzed: 10/19/94
Project Name: 950 Lakeville

Element	Spiked Conc.	Matrix Spike	% Rec.	Matrix Spike Dup.	% Rec.	% RPD
Zinc	10	7.7	77	6.9	69	8
Nickel	10	7.3	73	6.8	66	5
Lead	10	7.9	79	7.8	78	1
Beryllium	10	9.6	96	8.9	89	7
Barium	10	11.3	113	10.8	108	5

Reviewed and Approved by _____ Date: 10-20-94

1350 Reynolds Ave., Suite 116, Irvine, CA 92714

Geochem ENVIRONMENTAL LABORATORIES

Mobile & In-House Laboratories Certified by State of California
Phone: (714) 222-1020 / FAX: (714) 222-0709

TTLC METAL ANALYSIS

Client: Trumpp Bros. Inc.
Project Name: 950 Lakeville
Matrix: Soil
Sample I.D.: MVR-2

Date sampled: 10/12/94
Date Received: 10/14/94
Date Analyzed: 10/19/94

Metal Analysis by I.C.P.

Element	Type	Results	Units	M.D.L.	Method
Molybdenum	G	ND	mg/kg	0.5	EPA 6010
Zinc	G	11	mg/kg	1	EPA 6010
Chromium	G	5	mg/kg	1	EPA 6010
Antimony	G	ND	mg/kg	2	EPA 6010
Cadmium	G	ND	mg/kg	1	EPA 6010
Nickel	G	9.7	mg/kg	0.5	EPA 6010
Lead	G	2	mg/kg	1	EPA 6010
Copper	G	7	mg/kg	1	EPA 6010
Beryllium	G	ND	mg/kg	1	EPA 6010
Cobalt	G	ND	mg/kg	0.5	EPA 6010
Vanadium	G	ND	mg/kg	1	EPA 6010
Thallium	G	ND	mg/kg	2	EPA 6010
Silver	G	ND	mg/kg	2	EPA 6010
Barium	G	29	mg/kg	1	EPA 6010
Arsenic	G	ND	mg/kg	5	EPA 6010
Selenium	G	ND	mg/kg	5	EPA 6010

TTLC= Total Threshold Limit Concentration.

Reviewed and Approved by: George Tsai Date: 10-20-94
George Tsai, Laboratory Director

780 Montague Expressway, Suite 404
San Jose, CA 95131
(408) 955-9988 • FAX (408) 955-9538

Date 10-12-94 Page 1 of 1

CLIENT	PROJECT NAME
Trumpy Bros Inc	950 Lakeville
ADDRESS 1540 Industrial Ave San Jose, CA. 95112	PROJECT MANAGER Gary Trumpy
	PHONE NUMBER 292-0820

SAMPLE I.D.	LOCATION DESCRIPTION	DATE	TIME	MATRIX AIR	MATRIX WATER	MATRIX SOIL	NO. OF CTNR	TESTS REQUIRED 418.1/TRPH	8010 (601)	8015 E/TPH-diesel	8015 M/TPH-gasoline	8020 (602) BTEX	7420/Total Lead	Organic Lead	CCR 17 metal		Archive
MW-2	Stock pile	10-12-94	12:00			X	Bag			X	X				X		

Sampled/Relinquished by:	Received by: Amelia Garza	Date 10-12-94	Time 4:14
Relinquished by:	Received by:	Date	Time
Relinquished by:	Received by:	Date	Time

Turnaround time: 24 hr. 48 hr. Normal (3-5 days)

Special Instructions:

Geochem Environmental Laboratories
Please Remit Payment to:
1350 Reynolds Ave., Ste.116
Irvine, CA 92714

Phone:(714)222-1020
Fax:(714)222-0709

I N V O I C E

#: SD-480

TO: Trumpp Brothers
1540 Industrial Ave.
San Jose, CA 95112

Date: 10/12/94
P. O. #:
Proj. Mgr.: Gary Trumpp

ATTN: Accounts Payable

Project: 950 Lakeville

TERMS: NET 30

QTY	DESCRIPTION	PRICE	AMOUNT
1	8015M/TPH-Gasoline	100.00	100.00
1	8015M/TPH-Diesel	100.00	100.00
1	CCR 17-Metals	195.00	195.00
		TOTAL DUE	395.00

Geochem ENVIRONMENTAL LABORATORIES
Mobile & In-House Laboratories Certified by State of California
Phone: (714) 222-1020 / FAX: (714) 222-0709

Matrix Spike Recovery For TTLC Analysis by EPA 6010 (ICP)

Client:TRUMPP BROS
Date Analyzed: 11/15/94
Project Name: Park S.T. Landing

Element	Spiked Conc.	Matrix Spike	% Rec.	Matrix Spike Dup.	% Rec.	% RPD
Copper	10	10.6	106	10.0	100	6
Selenium	10	11.8	118	10.8	108	10
Lead	10	12.3	123	12.5	125	2
Beryllium	10	11.4	114	10.6	106	6
Barium	10	10.2	102	10.3	103	1

Reviewed and Approved by: _____ Date: 11-15-94

Geochem ENVIRONMENTAL LABORATORIES
Mobile & In-House Laboratories Certified by State of California
Phone: (714) 222-1020 / FAX: (714) 222-0709

TTLC METAL ANALYSIS

Client: TRUMPP BROS
Proj.: Park S.T. Landing
Batch:D-2323 MATRIX SOIL
Sample I.D.: DBQ-1

Date Sampled: 11/4/94
Date Received: 11/14/94
Date Analyzed: 11/15/94

Metal Analysis by I.C.P.

Element	Type	Results	Units	M.D.L.	Method
Molybdenum	G	ND	mg/l	0.5	EPA 6010
Zinc	G	4	mg/l	1	EPA 6010
Chromium	G	3	mg/l	1	EPA 6010
Antimony	G	1	mg/l	2	EPA 6010
Cadmium	G	ND	mg/l	1	EPA 6010
Nickel	G	2.4	mg/l	0.5	EPA 6010
Lead	G	ND	mg/l	1	EPA 6010
Copper	G	12	mg/l	1	EPA 6010
Beryllium	G	ND	mg/l	1	EPA 6010
Cobalt	G	8.4	mg/l	0.5	EPA 6010
Vanadium	G	ND	mg/l	1	EPA 6010
Thallium	G	ND	mg/l	2	EPA 6010
Silver	G	ND	mg/l	2	EPA 6010
Barium	G	7	mg/l	1	EPA 6010
Arsenic	G	ND	mg/l	5	EPA 6010
Selenium	G	ND	mg/l	5	EPA 6010

TTLC= Total Threshold Limit Concentration.

Reviewed and Approved by: _____ Date: 11-15-94
George Toal, Laboratory Director

GEOCHEM

ENVIRONMENTAL LABORATORIES

SUMMARY OF ANALYSIS

(Soil)

Client: Trumpp Brothers

Attn: Gary Trumpp

Batch #: SP-414

Date: 11/10/94

GC#: R

Chemist: S.D.

DOHS Certification #: 1833

Project Name: Pack St. Landing

ANALYTICAL METHOD	8015M/TPH DIESEL	8015M/TPH GASOLINE	8020					
			B	T	E	X		
Detection Limit	1 ppm	1 ppm	0.005 ppm	0.005 ppm	0.005 ppm	0.005 ppm	1 ppm	1 ppm
SAMPLE I.D.								
DBQ-1	ND	ND	ND	ND	ND	ND		

1350 Reynolds Ave., Ste. 116
Irvine, CA 92714
(714) 222-1020 Fax (714) 222-0709

780 Montague Expwy., Ste. 404
San Jose, CA 95131
(408) 956-9988 Fax (408) 955-9538

4001 E. Broadway Rd., Ste. 12A
Phoenix, AZ 85040
(602) 437-0095 Fax (602) 437-9444

780 Montague Expressway, Suite 404
San Jose, CA 95131
(408) 955-9988 • FAX (408) 955-9538

CHAIN OF CUSTODY RECORD

Date 11/10/94 Page 1 of 1

CLIENT	PROJECT NAME
Trumpp Brothers	Park St. Landing
ADDRESS	PROJECT MANAGER
1540 Industrial Ave San Jose, CA.	CAM
	PHONE NUMBER 292-0820

SAMPLE I.D.	LOCATION DESCRIPTION	DATE	TIME	MATRIX AIR	MATRIX WATER	MATRIX SOIL	NO. OF CTNR	TESTS REQUIRED 418.1/TRPH	8010 (601)	8015 E/TPH-diesel	8015 M/TPH-gasoline	8020 (602) BTEX	7420/Total Lead	Organic Lead	CAM Metals 22		Archive
DBQ 1	Stockpile	11/4/94	4:15			X	Bag			X	X	X			X		

Sampled/Relinquished by: 11-10-94 4:15 pm
Relinquished by:
Relinquished by:
Turnaround time: 24 hr. 48 hr. Normal (3-5 days)

Received by:
Received by:
Received by:
Special Instructions:

Date 11/10/94 Time 4:15 pm
Date Time
Date Time

APPENDIX C

NON-HAZARDOUS WASTE MANIFESTS

WALKER BUSINESS FORMS (209) 474-1518

9806869

FORWARD INC.

NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. MSH - 1376

TO BE COMPLETED BY THE GENERATOR

GENERATOR
THE WINGATE Co.
MAILING ADDRESS
5980 STONERIDGE DR #119
CITY, STATE, ZIP
PLEASANTON CA
PHONE #
510 734-0640
CONTACT PERSON
MONROE WINGATE
SIGNATURE OF AUTHORIZED AGENT / TITLE
* David Wingate
DATE
3/24/95

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:
None

WASTE MATERIAL

☐ TREATMENT SOIL
☒ DISPOSAL SOIL
☐ CONSTRUCTION SOIL

☐ SLUDGE
☐ NON-FRIABLE ASBESTOS
☐ WOOD
☐ ASH
☐ OTHER

GENERATING FACILITY
Park Street Landing - a commercial property

RECEIVING FACILITY

FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

TRANSPORTER TO BE COMPLETED

NAME
ANDRADE
ADDRESS
1150 MABURY RD #3
CITY, STATE, ZIP
SAN JOSE CA 95133
PHONE #
408 279-0900
SIGNATURE OF AUTHORIZED AGENT OR DRIVER
* [signature]
DATE
3/24/95

NOTES:

TRUCK NUMBER
T-23

☐ END DUMP ☐ BOTTOM DUMP ☒ TRANSFER
☐ ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT
* [signature]
DATE
3-24-95

CUBIC YARDS
15

DISPOSAL METHOD: (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
☒ SOIL					
☐ SLUDGE					
☐ NON-FRIABLE ASBESTOS					
☐ WOOD					
☐ ASH					
☐ OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE
TO SCHEDULE CALL (209) 982-4298

2806393

FORWARD INC.

NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. MSH - 1376

TO BE COMPLETED BY THE GENERATOR

GENERATOR
THE WINGATE CO.
MAILING ADDRESS
5980 STONERIDGE DR #119
CITY/STATE/ZIP
PLEASANTON CA
PHONE
510 734-0640
CONTACT PERSON
MONROE WINGATE
SIGNATURE OF AUTHORIZED AGENT / TITLE
* Monroe Wingate
DATE
3/24/95

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:
None

WASTE TYPE
☐ TREATMENT SOIL
☒ DISPOSAL SOIL
☐ CONSTRUCTION SOIL
☐ SLUDGE
☐ NON-FRIABLE ASBESTOS
☐ WOOD
☐ ASH
☐ OTHER

GENERATING FACILITY
Park Street Landing - a commercial property

RECEIVING FACILITY
FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 9533(
(209) 982-4298 PHONE
(209) 982-1009 FAX

TRANSPORTER

NAME
ANDRADE
ADDRESS
1156 MABURY RD #3
CITY/STATE/ZIP
SAN JOSE CA 95133
PHONE
408 279-0900
SIGNATURE OF AUTHORIZED AGENT OR DRIVER
* Robert Andrade
DATE
3/24/95

NOTES:

TRUCK NUMBER
T-23

END DUMP ☐ BOTTOM DUMP ☐ TRANSFE ☒
ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS ☐

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT
* Monroe Wingate

DATE
3-24-95

CUBIC YARDS
15

DISPOSAL METHOD:	(TO BE COMPLETED BY FORW				
	DISPOSE	BIO	AERATE	STOCKPILE	OTI
☒ SOIL					
☐ SLUDGE					
☐ NON-FRIABLE ASBESTOS					
☐ WOOD					
☐ ASH					
☐ OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOAD SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BE
TO SCHEDULE CALL (209) 982-4298

MANIFEST # 3789

WALKER BUSINESS FORMS (209) 474-1615

2606593

FORWARD INC.

NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. MS# - 1376

TO BE COMPLETED BY THE GENERATOR

GENERATOR: THE WINGATE CO.
MAILING ADDRESS: 5980 STONERIDGE DR #119
CITY/STATE/ZIP: PLEASANTON CA
PHONE: 510 734-0640
CONTACT PERSON: MONROE WINGATE
SIGNATURE OF AUTHORIZED AGENT / TITLE: [signature]
DATE: 3/24/95

REQUIRED PERSONAL PROTECTIVE EQUIPMENT:
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD H
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:
None

WASTE TYPE:
☐ TREATMENT SOIL
☒ DISPOSAL SOIL
☐ CONSTRUCTION SOIL
☐ SLUDGE
☐ NON-FRIABLE ASBESTOS
☐ WOOD
☐ ASH
☐ OTHER

GENERATING FACILITY: Park Street Landing - a commercial property

RECEIVING FACILITY:
FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

TRANSPORTER (TO BE COMPLETED BY TRANSPORTER)

NAME: ANDRADE
ADDRESS: 1150 MABURY RD #3
CITY/STATE/ZIP: SAN JOSE CA 95133
PHONE: 408 279-0900
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature]
DATE: 3/24/95

NOTES:

TRUCK NUMBER: T-15

☐ END DUMP ☐ BOTTOM DUMP ☒ TRANSFE
☐ ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: * [signature]
DATE: 3/24/95

CUBIC YARDS: 14

DISPOSAL METHOD: (TO BE COMPLETED BY FORW

	DISPOSE	BIO	AERATE	STOCKPILE	OTH
☐ SOIL					
☐ SLUDGE					
☐ NON-FRIABLE ASBESTOS					
☐ WOOD					
☐ ASH					
☐ OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOAD SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BE
TO SCHEDULE CALL (209) 982-4298

MANIFEST # 3789

FORWARD INC. COPY

END

2606563

FORWARD INC.

NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. MSH - 1376

TO BE COMPLETED BY THE GENERATOR

GENERATOR
THE WINGATE CO.
MAILING ADDRESS
5980 STONERIDGE DR #119
CITY, STATE, ZIP
PLEASANTON CA
PHONE
510 734-0640
CONTACT PERSON
MONROE WINGATE
SIGNATURE OF AUTHORIZED AGENT / TITLE
* David Wingate
DATE
3/24/95

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:
None

WASTE TYPE
☐ TREATMENT SOIL
☒ DISPOSAL SOIL
☐ CONSTRUCTION SOIL
☐ SLUDGE
☐ NON-FRIABLE ASBESTOS
☐ WOOD
☐ ASH
☐ OTHER

GENERATING FACILITY
Park Street Landing - a commercial property

RECEIVING FACILITY
FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

TRANSPORTER (HAULER MUST COMPLETE)

NAME
ANDRADE
ADDRESS
1150 MABURY RD #3
CITY, STATE, ZIP
SAN JOSE CA 95133
PHONE
408 279-0900
SIGNATURE OF AUTHORIZED AGENT OR DRIVER
* Joseph DaRosa
DATE
3/24/95

NOTES:

TRUCK NUMBER
T-15

☐ END DUMP ☐ BOTTOM DUMP ☒ TRANSFER
☐ ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

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REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT
* Ruben Ramos
DATE
3-24-95

CUBIC YARDS
12

DISPOSAL METHOD:	(TO BE COMPLETED BY FORWARD) DISPOSE	BIO	AERATE	WOOD CHIP	OTHER
☒ SOIL					
☐ SLUDGE					
☐ NON-FRIABLE ASBESTOS					
☐ WOOD					
☐ ASH					
☐ OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFO
TO SCHEDULE CALL (209) 982-4298

FORWARD INC. COPY

MANIFEST # 37892

END