GeoPlexus, Inc.

Health & Safety Training • Geo/Environmental Personnel • Engineering Geology Consultants • Environmental Management Consultants

March 2, 1995

Mr. Karl Mayo
East Bay Municipal Utility District
375 Eleventh Street
Oakland, California 94607

Subject: Preliminary Site Assessment Report for Adeline Maintenance Facility

Dear Mr. Mayo:

As requested and authorized, the attached Preliminary Site Assessment Report has been prepared to summarize the limited investigation activities performed at the project site to evaluate the subsurface conditions in support of the pending site demolition and reconstruction project.

The report presents the subsurface boring logs and describes the findings of the investigation, presents the results of the analytical testing performed on the selected soil samples obtained during the investigation, and presents conclusions based on these findings.

It has been a pleasure to be of service to you on this project. Questions or comments regarding the attached report should be addressed to the undersigned.

Respectfully submitted,

Geo Plexus, Incorporated

David C. Glick, CEG 1338
Director, Geological and
Environmental Services

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PRELIMINARY SITE ASSESSMENT REPORT

EAST BAY MUNICIPAL UTILITY DISTRICT

ADELINE MAINTENANCE FACILITY

1200 21st STREET

OAKLAND, CALIFORNIA

Prepared for:

East Bay Municipal Utility District
375 Eleventh Street
Oakland, California 94607

March 2, 1995

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PRELIMINARY SITE ASSESSMENT REPORT
EAST BAY MUNICIPAL UTILITY DISTRICT
ADELINE MAINTENANCE FACILITY
1200 21st STREET
OAKLAND, CALIFORNIA

INTRODUCTION

The project site is the West Adeline Maintenance Facility for East Bay Municipal Utility District and is located at 1200 21st Street in the City of Oakland, Alameda County, California as indicated on Figure 1. The property occupies several square blocks of property (see Figure 2) and includes office and administration facilities, equipment and maintenance facilities, and equipment and vehicle storage.

The project site has been used for vehicle and equipment maintenance and fuel storage/distribution for EBMUD vehicles and equipment since at least the 1930's. The site has reportedly maintained several underground storage tanks for fuel dispensing and waste oil retention and has maintained several hydraulic lifts in vehicle work bays.

SCOPE OF WORK

The scope of work for this assessment included:

(1) Obtaining historic aerial photographs of the project site for review;

(2) Preparation of a Health & Safety Plan describing the proposed investigative activities and addressing the personal safety issues implemented during the investigation;

(3) Performing three (3) days of exploration including advancing eighteen (18) borings around the property and retention of selected soil sample for testing;

(4) Performing analytical testing on the soil samples; and

(5) Preparation of this report documenting the findings of the investigation and presenting the results of the analytical testing.

SITE ASSESSMENT ACTIVITIES

Aerial Photography Study

A study of aerial photographs was performed to identify the historic use of the project site and to review the development history of the surrounding area. Individual vertical aerial photographs ranging from 1930 to 1994 (covering a 64-year time span) were obtained from Pacific Aerial Surveys in Oakland, California to assist in review of historic site use. The recent photographs were compared with the historic photographs to determine the location of the project site and to compare the existing conditions with the previous conditions.

The available photographs indicated that the portions of the current project site were occupied by the Utility District as early as 1930 (see Figure 3) with the surrounding property being partially developed as residential and commercial properties.

The later photographs document continued site demolition and development along with residential and commercial development of the surrounding properties. One particular change noted between 1950 and 1960 is the closure of portions of West Grand Avenue adjacent to the subject site and use of this area for parking. The roadway was apparently re-aligned back to original conditions by the late 1960's. The 1969 photograph indicates surficial staining of the pavement at the fuel station and adjacent to the machine shop underground tank (see Figure 4). The 1969 photograph also reflects the conditions prior to demolition/construction of various structures on the project site.

Subsurface Investigation

Eighteen subsurface exploration borings were advanced across the property at the locations indicated on Figure 5. The borings were drilled by Precision Drilling, a State of California Licensed Drilling Contractor, and were logged under the supervision of a State of California Certified Engineering Geologist. The boring logs are included in Appendix A.

The soil borings were advanced to a depth of 10- to 15-feet below ground surface using a portable pneumatic drive assembly which advances a double casing system with a split barrel sampler (standard penetration sampler) as the inside casing. The casings are driven into the soil in three-foot intervals. The inner casing (standard penetration sampler) is removed following each drive and replaced with a new sampler prior to advancing the boring. This drilling method achieves a "continuous core" sample of the soil materials which allows discrete sampling of any sample interval and is not restricted to the typical 5-foot sample intervals.

Soil samples were retained in pre-cleaned stainless steel liners. The individual liners were observed upon removal from the sampler and screened in the field with a photo-ionization detector for evidence of volatile hydrocarbon compounds and sample liners which were identified as representative of the subsurface conditions were retained for analytical testing. The samples were immediately sealed in the tubes and properly labeled including: the date, time, sample location, and project number. The samples were placed immediately into a chilled cooler and maintained at 4^{o} C for transport to the laboratory under chain-of-custody documentation.

The drilling and sampling equipment used was thoroughly steam cleaned before drilling began to prevent the introduction of off-site contamination and steam cleaned again between the borings to prevent cross contamination.

The borings were backfilled to the ground surface with a cement/bentonite slurry upon completion of the investigation.

Subsurface Soil Profile

The soil borings revealed near uniform conditions consisting of 1- to 3-feet of aggregate base and/or fill material underlain by brown to greenish-gray, fine-grained to silty sand to a gray-brown silty clay to depths of 8-feet. An organic rich zone, locally classified as peat, was encountered between 8- to 10-feet below the ground surface. The borings terminated in a blue-green silty sand.

Perched ground water was encountered in several of the exploration borings at a depths ranging from 5- to 8-feet below the ground surface at the time of drilling (see boring logs in Appendix A).

ANALYTICAL TESTING

The soil samples were submitted to and tested by McCampbell Analytical, Inc., a State of California, Department of Health Services certified testing laboratory. Analytical testing was scheduled and performed in accordance with the State of California, Regional Water Quality Control Board Recommendations for Initial Evaluation and Investigation of Underground Tanks (RWQCB, 1988) and Alameda County Department of Environmental Health guidelines.

The soil samples were tested for various properties for characterization as indicated on the Chain-of-Custody Forms. The analytical testing included:

Total Petroleum Hydrocarbons as gasoline by Method GCFID 5030/8015
Total Petroleum Hydrocarbons as diesel by Method GCFID 3550/8015
Oil & Grease by EPA Method 5520
Volatile Aromatic Compounds (BTXE) by EPA Method 8020
Volatile Halocarbon Compounds by EPA Method 8010
Semivolatile Compounds by EPA Method 8270
CAM 17 Metals by EPA Methods 6000/7000

The analytical test data for the soil samples, along with the Chain-of-Custody Forms are presented in Appendix B and are summarized on Tables 1 through 5.

TABLE 1

SUMMARY OF ANALYTICAL TEST DATA
GASOLINE AND VOLATILE AROMATIC COMPOUNDS

ppm

Sample	TPHgas	Benzene	Toluene	Ethyl-Benzene	Total Xylenes
EB1-1-S1, 9-10'	N.D.	0.011	0.026	0.014	0.041
EB1-1-S2, 12-12.5'	N.D.	N.D.	N.D.	N.D.	N.D.
EB1-2-S1, 11-12'	N.D.	N.D.	N.D.	N.D.	N.D.
EB1-2-S2, 13-13.5'	N.D.	N.D.	N.D.	N.D.	N.D.
EB2-1-S1, 11-12'	N.D.	N.D.	N.D.	N.D.	N.D.
EB2-1-S2, 14.5-15'	N.D.	N.D.	N.D.	N.D.	N.D.
EB2-3-S2, 5-5.5'	N.D.	N.D.	N.D.	N.D.	N.D.
EB2-7-S1, 6-7'	130	0.43	2.4	2.7	6.5
EB2-7-S2, 9.5-10'	N.D.	0.008	0.014	0.005	0.029
EB3-2-S1, 7-8'	N.D.	N.D.	N.D.	N.D.	N.D.
EB3-3-S1, 4-5'	29	0.012	0.019	0.021	0.17
EB3-3-S2, 8-8.5'	63	0.011	0.010	N.D.	0.42
EB3-4-S1, 5-5.5'	N.D.	N.D.	N.D.	N.D.	N.D.
EB6-1-S1, 3-4'	N.D.	N.D.	N.D.	N.D.	0.009
EB6-1-S2, 5.5-6'	N.D.	N.D.	N.D.	N.D.	N.D.
EB6-2-S2, 6.5-7'	140	0.84	0.38	3.4	7.6
EB6-2-S3, 9-9.5'	23	0.98	0.12	0.97	4.5
EB6-3-S1, 6.5-7'	N.D.	N.D.	N.D.	N.D.	N.D.
EB6-4-S1, 5-6'	N.D.	N.D.	N.D.	N.D.	N.D.
EB7-1-S1, 3-4'	N.D.	N.D.	N.D.	N.D.	N.D.
EB-M1-S1, 5-6'	78	N.D.	N.D.	0.063	0.32
EB-M1-S2, 9-10'	120	N.D.	0.014	N.D.	0.53
EB-M2-S1, 10-11'	460	N.D.	0.35	0.66	2.0
Regulatory Threshold	100	0.30	----	----	----

Notes: Concentrations reported as Parts Per Million (mg/kg).
N.D. indicates that concentrations below detection limit.
---- indicates Regulatory Standard/Threshold Value not established.

TABLE 2

SUMMARY OF ANALYTICAL TEST DATA
DIESEL FUEL AND OIL & GREASE COMPOUNDS

Sample	TPHd	O&G
EB1-1-S1, 9-10'	13	---
EB1-1-S2, 12-12.5'	ND	---
EB1-2-S1, 9-10'	1.5	---
EB1-2-S2, 13-13.5'	1.5	---
EB2-1-S2, 11-12'	ND	ND
EB2-3-S2, 2.5-3.5'	ND	---
EB2-4-S1, 9-10'	ND	---
EB2-7-S1, 6-7'	6,400	24,000
EB2-7-S2, 9.5-10'	ND	ND
EB2-8-S2, 11.5-12'	1.9	ND
EB3-2-S1, 7-8'	ND	ND
EB3-3-S1, 4-5'	2,200	18,000
EB3-3-S2, 8-8.5'	2,300	13,000
EB3-4-S1, 5-5.5'	2.8	ND
EB6-1-S1, 3-4'	26	450
EB6-1-S2, 5.5-6'	ND	---
EB6-2-S1, 1.5-2.5'	---	ND
EB6-2-S2, 6.5-7'	ND	---
EB6-2-S3, 9-9.5'	2.5	---
EB6-3-S1, 6.5-7'	ND	ND
EB6-4-S1, 5-6'	ND	ND
EB7-1-S1, 3-4'	ND	ND
Regulatory Threshold	1,000	1,000

Notes: Concentrations reported as Parts Per Million (mg/kg).
N.D. indicates that concentrations below detection limit.

8010 ?

TABLE 3

SUMMARY OF ANALYTICAL TEST DATA
VOLATILE HALOCARBON COMPOUNDS

Sample	Volatile Halocarbon Compounds Detected	
EB2-1-S1, 11-12'	ND	
EB2-1-S2, 14.5-15'	ND	
EB2-3-S1, 2.5-3.5'	ND	
EB2-4-S1, 9-10'	ND	
EB2-4-S2, 14-15'	ND	
EB2-5-S1, 3.5-4'	ND	
EB2-5-S2, 7-8'	ND	
waste oil UST EB2-7-S1, 6-7'	1,2-Dichlorobenzene	98 ppm
	1,4-Dichlorobenzene	30 ppm
	1,1-Dichloroethane	210 ppm
	Tetrachloroethene	1,900 ppm
	1,1,1-Trichloroethane	540 ppm
	Trichloroethene	870 ppm
EB2-8-S2, 11.5-12'	ND	
EB3-3-S1, 4-5'	Tetrachloroethene	68 ppm
EB3-3-S2, 8-8.5'	ND	
EB3-4-S1, 5-5.5'	ND	
EB6-1-S1, 3-4'	ND	
EB6-2-S2, 6.5-7'	ND	
EB6-3-S1, 6.5-7'	ND	
EB6-4-S1, 5-6'	ND	
EB7-1-S2, 10-11'	ND	
EB-M1-S1, 5-6'	ND	
EB-M1-S2, 9-10'	ND	
EB-M2-S1, 10-11'	ND	

Notes: Concentrations reported as Parts Per Million (mg/kg).
N.D. indicates that concentrations below detection limit.

8270 ?

TABLE 4

SUMMARY OF ANALYTICAL TEST DATA
SEMIVOLATILE COMPOUNDS

Sample	Semivolatile Compounds Detected	
EB2-4-S2, 14-15'	ND	
EB6-1-S1, 3-4'	Phenanthrene	3.9
	Fluoranthene	2.9
	Pyrene	3.3
EB6-2-S1, 1.5-2.5'	ND	

Notes: Concentrations reported as Parts Per Million (mg/kg).
N.D. indicates that concentrations below detection limit.

metals

TABLE 5

SUMMARY OF ANALYTICAL TEST DATA
CAM 17 METALS

Sample	Sb	As	Ba	Be	Cd	Co	Cr	Cu	Pb	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
2-1-S1	ND	5.6	450	ND	ND	3.8	30	22	7.2	ND	ND	41	ND	ND	ND	28	35
2-3-S1	ND	5.5	140	ND	ND	8.3	28	20	73	ND	ND	37	ND	ND	ND	26	66
2-4-S2	ND	3.0	32	ND	ND	6.3	29	12	6.7	ND	ND	37	ND	ND	ND	21	42
2-5-S1	ND	9.5	51	ND	ND	4.4	39	17	10	ND	ND	25	ND	ND	ND	35	44
2-8-S1	ND	7.9	42	ND	ND	5.2	35	32	44	ND	ND	24	ND	ND	ND	27	72
W. oil ? 2-7-S1	ND	3.9	27	ND	ND	3.7	24	9.4	27	ND	ND	19	ND	ND	ND	16	31
6-1-S1	2.6	3.6	240	ND	2.1	6.0	33	190	2,600	ND	ND	27	ND	ND	ND	21	730
6-2-S1	ND	4.3	160	ND	ND	6.6	24	17	75	ND	ND	19	ND	ND	ND	20	44
TTLC	500	500	10000	75	100	8000	2500	2500	1000	20	3500	2000	100	500	700	2400	5000
STLC	15	5.0	100	0.75	1.0	80	560	25	5	0.2	350	20	1.0	5.0	7.0	24	250

Note: TTLC - Total Threshold Limit Concentration.
STLC - Soluble Threshold Limit Concentration.
Concentrations reported as Parts Per Million (mg/kg).

SUMMARY OF FINDINGS

The findings of the investigation are summarized and described in reference to existing facilities:

Central Service Center

Soil borings EB1-1 and EB1-2 were advance adjacent to the existing underground gasoline and diesel fuel storage tanks. Low concentrations of Volatile Aromatic Compounds (BTEX) were detected in the sample obtained from Boring EB1-1 at the 9- to 10-foot interval; however Total Petroleum Hydrocarbons as gasoline was not detected. The analytical testing did not contain detectable concentrations of Total Petroleum Hydrocarbons as gasoline or Volatile Aromatic Compounds (BTEX) in the remaining soil samples from these borings. Low concentrations of Total Petroleum Hydrocarbons as diesel (1.5 to 13 ppm) were detected in Borings EB1-1 and EB1-2.

There is a high potential that limited quantities of diesel contaminated soil (estimated 50-200 cu.yds.) and some gasoline contaminated soil (estimated 20-50 cu.yds.) will be encountered during excavation.

Maintenance/Administration Building

Soil boring EB7-1 was advanced within the former maintenance/administration building. The analytical testing did not detect quantities of Total Petroleum Hydrocarbons as gasoline or diesel, Volatile Aromatic Compounds (BTEX), or Oil & Grease Compounds in the soil samples.

There is a low potential for contaminated soils to exist in this area during demolition and redevelopment.

Machine Shop/Foundry Area

Boring EB2-8 was advanced interior of the existing machine shop adjacent to the reported location of the former foundry. Low concentrations of Total Petroleum Hydrocarbons as diesel (1.9 ppm) were encountered in the soil samples from this boring. Oil & Grease Compounds or Volatile Aromatic Compounds were not detected in the soil samples from this boring.

There is a moderate potential for contaminated soils (estimated 25-75 cu.yds.) to be encountered in this area during demolition and redevelopment.

Machine Shop Underground Storage Tank

Concentrations of Oil and Grease Compounds and Diesel Fuel were detected at concentrations of 24,000 ppm and 6,400 ppm, respectively in the soil samples obtained from Boring EB2-7 located adjacent to the existing underground waste oil storage tank. High concentrations of Volatile Organic Compounds and Volatile Aromatic Compounds were also detected in the soil samples; however, Total Petroleum Hydrocarbons as gasoline was not detected.

There is a high potential for contaminated soils and hazardous materials (estimated 50-350 cu.yds.) to be encountered in this area during excavation.

Electric/Paint Shop

The analytical testing did not detect quantities of Total Petroleum Hydrocarbons as gasoline or diesel, Volatile Aromatic Compounds (BTEX), Oil & Grease Compounds, or Volatile Organic Compounds in the soil samples from the soil borings advanced within the paint shop (Boring EB2-5) and along the outside of the electrical shop building (Boring 2-4).

Based on the presence of existing dip-tanks located within the building, there is a moderate potential for localized contaminated soils to be encountered in this area during demolition.

Central Warehouse and Vehicle/Equipment Wash Rack

The analytical testing did not detect quantities of Total Petroleum Hydrocarbons as gasoline or diesel, Volatile Aromatic Compounds (BTEX), Oil & Grease Compounds, or Volatile Organic Compounds in the soil samples from Boring EB2-1 advanced adjacent to the existing Wash Rack.

There is a low potential for extensive contaminated soils to exist in this area during demolition.

The analytical testing did not detect quantities of Total Petroleum Hydrocarbons as gasoline or diesel, Volatile Aromatic Compounds (BTEX), Oil & Grease Compounds, or Volatile Organic Compounds in the soil samples from Boring EB2-3 advanced adjacent to the Central Warehouse Building.

There is a low potential for extensive contaminated soils to exist in this area during demolition.

Auto Shop Building

Oil and Grease Compounds were detected at concentrations of 13,000 ppm to 18,000 ppm and Total Petroleum Hydrocarbons as diesel was detected at concentrations of 2,200 ppm in the soil samples obtained from Boring EB3-3 located adjacent to a hydraulic lift immediately inside the building. Low concentrations of Total Petroleum Hydrocarbons as gasoline and Volatile Organic Compounds were also detected.

There is a high potential for contaminated soils and hazardous materials (estimated 250-650 cu.yds.) to be encountered in this area during demolition.

Soil samples from the second boring advanced interior to the building (Boring EB3-4) contained low concentrations of Volatile Organic Compounds (Tetrachloroethene); however, the analytical testing did not detect Total Petroleum Hydrocarbons as gasoline or diesel or Volatile Aromatic Compounds.

There is a high potential for contaminated soils and hazardous materials (estimated 50-250 cu.yds.) to be encountered in this area during demolition.

Other service bay areas and hydraulic lifts exist within the existing building. Based on the two soil borings advanced in this building, it is anticipated that an estimated 150-700 cu.yds of contaminated soils could exist beneath this structure which could be encountered during demolition.

Administration Building

The analytical testing did not detect quantities of Total Petroleum Hydrocarbons as gasoline, Volatile Aromatic Compounds (BTEX), Oil & Grease Compounds, or Volatile Organic Compounds in the soil samples from Boring EB3-2 advanced adjacent to the Administration Building. Low concentrations of Total Petroleum Hydrocarbons as diesel were detected in the sample obtained from the 5- to 5.5-foot interval.

There is a low to moderate potential for contaminated soils to exist in this area during demolition.

Anderson Building

The analytical testing detect quantities of Total Petroleum Hydrocarbons as gasoline at concentrations of 120 ppm to 460 ppm and Volatile Aromatic Compounds in the soil samples from Borings M-1 and M-2 advanced within the interior of the Anderson Building.

There is a high potential for contaminated soils and hazardous materials (estimated 350-1,700 cu.yds.) to be encountered in this area during demolition.

Santa Fe Buildings

The findings of the investigation indicate that Total Petroleum Hydrocarbons as gasoline were encountered at a concentration of 140 ppm in Boring EB6-2 advanced west of the existing welding shop. Volatile Aromatic Compounds were also detected in these samples. Oil & Grease Compounds and Total Petroleum Hydrocarbons as diesel were also detected at a concentration of 450 ppm in the soil samples obtained from Boring EB6-1 located within the welding building. Total Petroleum Hydrocarbons as gasoline or Volatile Aromatic Compounds were not detected in these samples.

There is a high potential for contaminated soils and hazardous materials (estimated 150-1,500 cu.yds.) to be encountered in this area during demolition and redevelopment.

Santa Fe Building Parking Lot Area

The analytical testing did not detect reportable quantities of Oil & Grease Compounds, Total Petroleum Hydrocarbons as gasoline or diesel or Volatile Aromatic Compounds (BTEX) in the soil samples from Borings EB6-3 or EB6-4.

There is a low to moderate potential for contaminated soils to exist in this area during demolition and redevelopment.

Areas Not Investigated

Six underground storage tanks were recently excavated and removed adjacent to the former service station which is located close to the Auto Shop Building. Extensive soil removal activities were performed at this location and it is estimated that an additional 350-800 cu.yds. of contaminated soil could be encountered during demolition of the former service station building and adjacent structures.

Construction Cost Considerations

Based on the findings of the soil borings and analytical testing several areas of soil contamination exist within the property boundaries. With the limited extent of investigation borings and analytical testing performed to date, estimated quantities of contaminated soil have been provided for each location investigated. Based on these areas identified there is an estimated volume of contaminated soil which could be encountered during construction as indicated below:

Central Service Center	50-200 cu.yds.
Machine Shop	25-75 cu.yds.
Machine Shop UST	50-350 cu.yds.
Auto Repair Shop	350-1,600 cu.yds.
Anderson Building	350-1,700 cu.yds.
Santa Fe Building	150-1,500 cu.yds.
Former Service Station	350-800 cu.yds.
Estimated Minimum Volume of Contaminated Soil*	1,325-6,225 cu.yds. (2,250-10,580 tons)

* Estimated volume of soil is preliminary and is based on limited exploration and analytical test data. Actual volumes of soil could be less or greater than estimated based on this study. Should actual volumes be required, additional investigations would be required.

LIMITATIONS

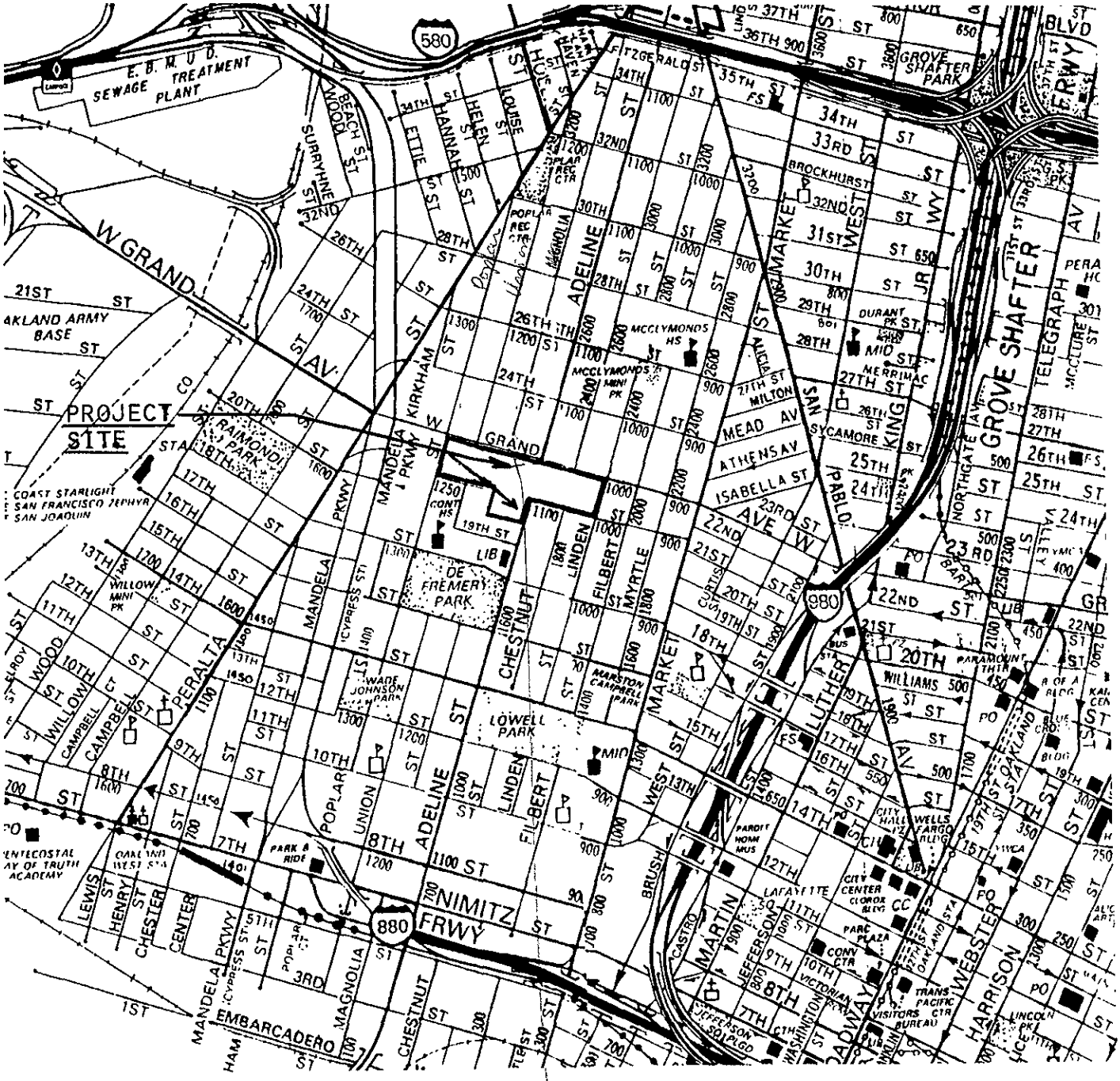
We have only observed a small portion of the pertinent subsurface and ground water conditions present at the site. The conclusions and recommendations made herein are based on the assumption that subsurface conditions do not deviate appreciably from those described in the reports and observed during the field investigation.

Geo Plexus, Incorporated provides consulting services in the fields of Geology and Engineering Geology performed in accordance with presently accepted professional practices. Professional judgments presented herein are based partly on information obtained from review of published documents, partly on evaluations of the technical information gathered, and partly on general experience in the fields of geology and engineering geology.

No attempt was made to verify the accuracy of the published information prepared by others used in preparation of this assessment report or to verify the volumetric measurements and/or cost data presented in this report.

If you have questions regarding the findings, conclusions, or recommendations contained in this report, please contact us. We appreciate the opportunity to serve you.

Geo Plexus, Incorporated

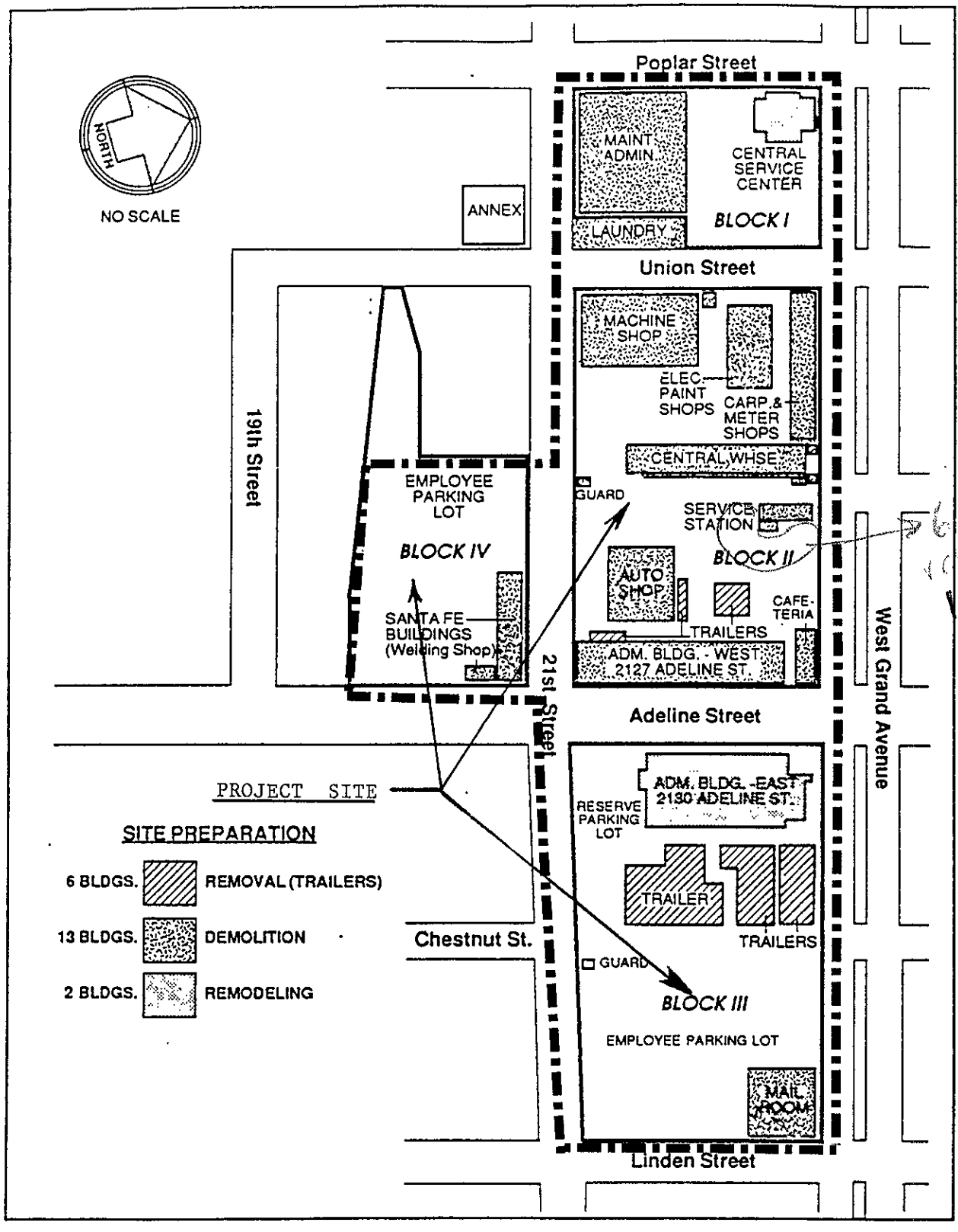


6 USTs removed 11-94

Source: Thomas Brothers Maps

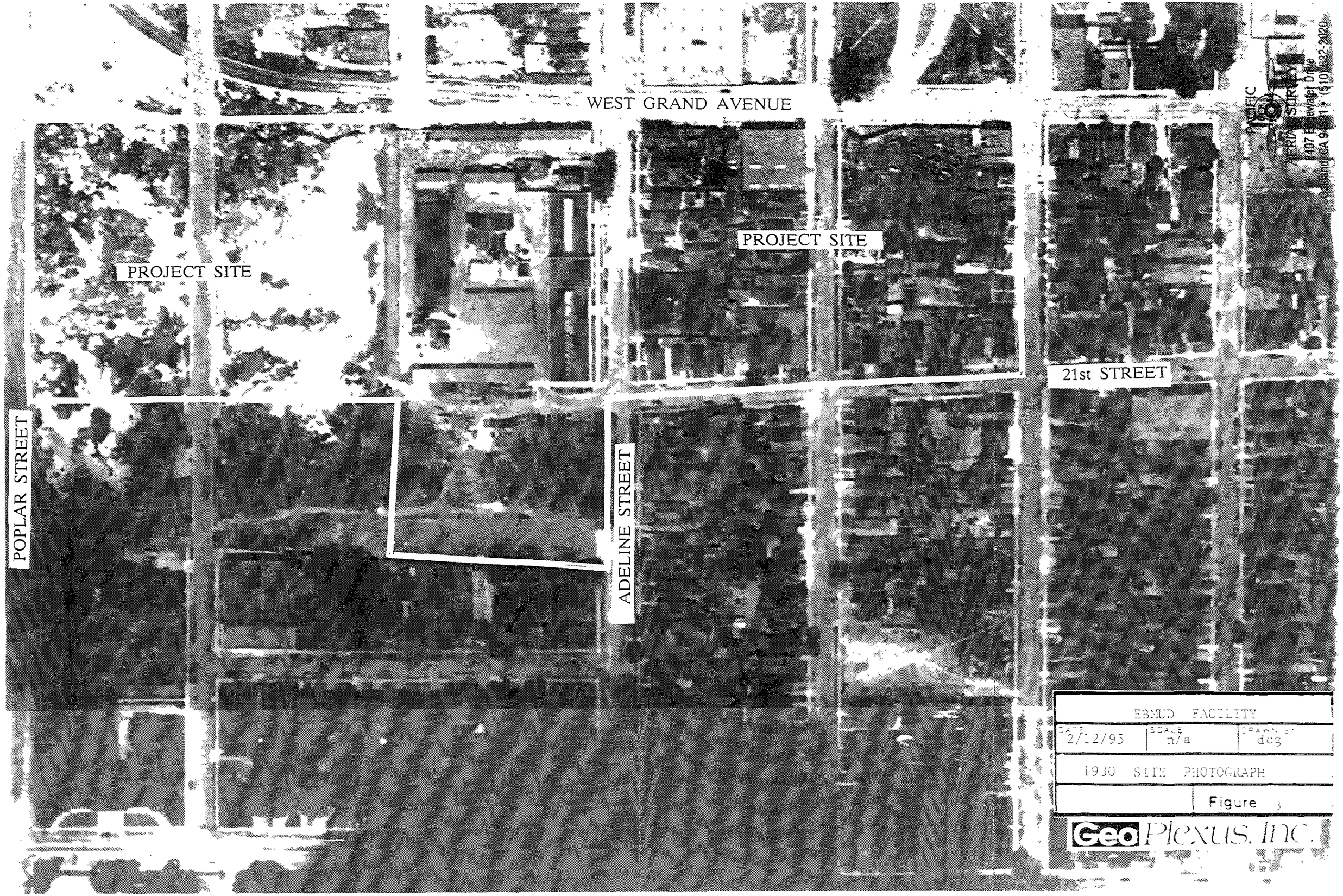
EAST BAY MUD FACILITY		
DATE 11/19/94	SCALE n/a	DRAWN BY dcg
LOCATION PLAN		
	Figure 1	

GeoPlexus, Inc.



EBMUD FACILITY		
DATE 2/12/95	SCALE n/a	DRAWN BY dcg
SITE PLAN		
	Figure 2	

GeoPlexus, Inc.



EBMUD FACILITY

DATE	SCALE	DRAWN BY
2/12/93	n/a	dcg

1930 SITE PHOTOGRAPH

Figure 3

GeoPlexus, Inc.

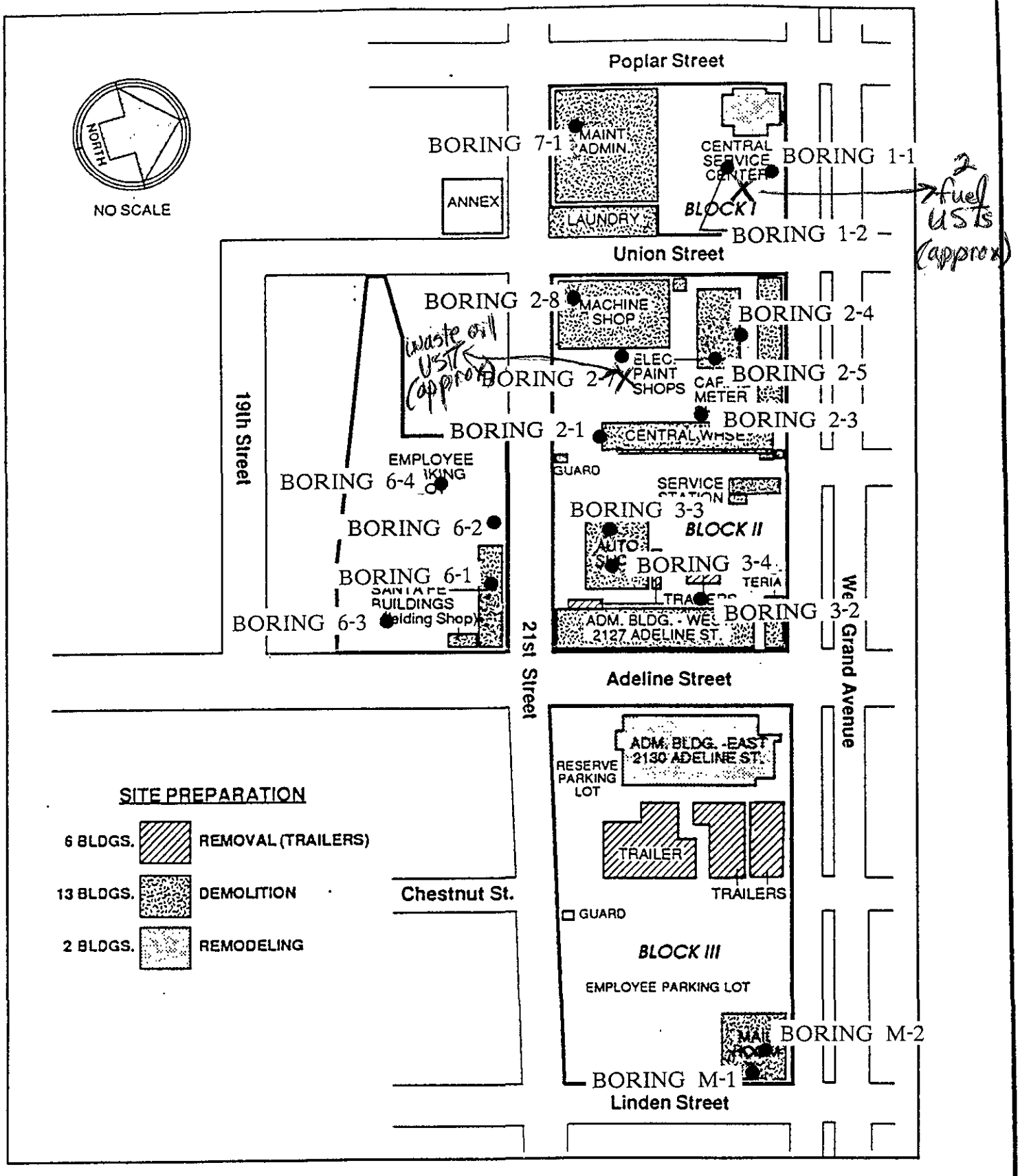
EBMUD FACILITY

DATE	SCALE	DRAWN BY
2/12/95	n/a	dcg

1969 SITE PHOTOGRAPH

Figure 4

GeoPlexus, Inc.



EBMUD FACILITY		
DATE 2/12/95	SCALE n/a	DRAWN BY dcg
BORING LOCATION PLAN		
	Figure 5	

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APPENDIX A

BORING LOGS

BORING LOG

LOCATION EBMUD Adeline Facility DATE 1/19/95

DRILLER Precision Drilling BORING No. EB 1-1

DEPTH (ft.)	DESCRIPTION	U.S.C.	OVM/PID	WELL DESIGN	SAMPLE	BLOW COUNT	COMMENTS
	CLAYEY GRAVEL, mottled orange-brown, moist, dense	GC					
	SAND, orange-brown, moist, loose	SP					
	SAND, orange-brown, moist, dense	SM					
5							
	SILTY CLAY, blue-gray, moist, stiff	CL					
					S1		
10					S1A		
	SILTY CLAY, black, moist, stiff with significant organic matter	CL					
	ORGANIC SILTY CLAY, blue-gray, moist, stiff	OH			S2		
	ORGANIC SILTY CLAY, blue-green, moist, stiff	OH					
15							

GeoPlexus, Inc.

FIGURE

BORING LOG

LOCATION EBMUD Adeline Facility

DATE 1/19/95

DRILLER Precision Drilling

BORING No. EB 1-2

DEPTH (ft.)	DESCRIPTION	U.S.C.	OVM/PID	WELL DESIGN	SAMPLE	BLOW COUNT	COMMENTS
	SANDY GRAVEL, gray, dry, dense	GM					
	CLAYEY, GRAVELLY SAND, mottled orange-brown moist, dense	GC					
	SAND, olive-gray, moist, dense	SM					
5	SAND, blue-gray, moist, dense	SP					
	ORGANIC SILTY CLAY, gray-black, wet, stiff	OH					
	SILTY CLAY, blue-gray, moist, stiff	CL			S1 S1A		
10	CLAYEY SILT, blue-green, moist, firm	OL					strong H_2S odors
	SAND, blue-green, moist, dense	SM					
15	SILTY CLAY, blue-gray, moist, firm	CL					

GeoPlexus, Inc.

FIGURE

BORING LOG

LOCATION EBMUD Adeline Facility DATE 1/18/95

DRILLER Precision Drilling BORING No. EB 2-1

DEPTH (ft.)	DESCRIPTION	U.S.C.	OVM/PID	WELL DESIGN	SAMPLE	BLOW COUNT	COMMENTS
	GRAVELLY SAND, red-brown, moist loose	SW					
	SILTY CLAY, gray, moist, stiff	CL					
5	SILTY SAND, gray, moist, dense	SM					
	SANDY CLAY, gray, moist, stiff	CL					
	SILTY CLAY, gray-green, moist, stiff	CL					
10	FIBROUS SILTY CLAY, dark gray, moist, stiff	OH					
	SILTY SAND, gray-green moist, dense	SM			S1		
	ORGANIC SILTY CLAY, dark gray, moist, stiff	OH			S1A		
15					S2		

GeoPlexus, Inc.

FIGURE

BORING LOG

LOCATION EBMUD Adeline Facility DATE 1/19/95

DRILLER Precision Drilling BORING No. EB 2-3

DEPTH (ft.)	DESCRIPTION	U.S.C.	OVM/PID	WELL DESIGN	SAMPLE	BLOW COUNT	COMMENTS
	2" A/C						
	GRAVELLY SAND, mottled orange-brown, moist, dense	SW			S1		
	SILTY CLAY, olive-gray, moist, stiff	CL			S1A		
5	SANDY CLAY, olive-gray, moist, stiff	CL					
	SILTY CLAY, olive-green, wet, stiff	CL			S2		
	SAND, olive-green, wet, dense	SW					
10	ORGANIC SILTY CLAY, gray-green, moist, firm	OH			S3		
15							

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FIGURE

BORING LOG

LOCATION EBMUD Adeline Facility DATE 1/19/95

DRILLER Precision Drilling BORING No. EB 2-4

DEPTH (ft.)	DESCRIPTION	U.S.C.	OVM/PID	WELL DESIGN	SAMPLE	BLOW COUNT	COMMENTS
	4" A/C						
	GRAVELLY SAND, gray-brown, damp, dense	SW					
	CLAYEY SAND, yellow-brown, moist, dnese	SC					
5							
	SILTY CLAY, olive-grey, moist, stiff	CL					
	SILTY CLAY, olive-green, wet, firm	CL			S1 S1A		
10	ORGANIC SILTY CLAY, dark gray, moist, firm	OH					
	SILTY CLAY, blue-gray, moist, firm	CL					
	CLAYEY SAND, blue-green, moist, dense	SC			S2		
15							
	Boring advanced at a 20° angle from vertical						

GeoPlexus, Inc.

FIGURE

BORING LOG

LOCATION EBMUD Adeline Facility DATE 1/19/95

DRILLER Precision Drilling BORING No. EB 2-5

DEPTH (ft.)	DESCRIPTION	U.S.C.	OVM/PID	WELL DESIGN	SAMPLE	BLOW COUNT	COMMENTS
	6" PCC						
	SAND, brown, wet, loose	SP					
	SANDY GRAVEL, black, moist, dense with asphalt fragments and tar residue	GC			S1		
5	SAND, olive-brown, moist, dense	SM					
	SAND, orange-brown, moist, dense	SP					
					S2		
	SILTY CLAY, olive-gray, wet, firm	CL			S2A		
10							
15							

GeoPlexus, Inc.

FIGURE

BORING LOG

LOCATION EBMUD Adeline Facility DATE 1/19/95

DRILLER Precision Drilling BORING No. EB 2-7

DEPTH (ft.)	DESCRIPTION	U.S.C.	OVM/PID	WELL DESIGN	SAMPLE	BLOW COUNT	COMMENTS
	SANDY GRAVEL, gray, moist, dense	GM					
	GRAVELLY SAND, orange-brown, moist, dense	SW					
	SANDY CLAY, gray-brown, moist, firm	CL					
	SAND, orange-gray-green, moist, dense	SM					
5							
	CLAYEY SAND, blue-gray, moist, dense	SC					
	SAND, black, wet, dense	SP			S1		strong oil odor
	CLAYEY SAND, blue-green, moist, dense	SC			S1A		
	SILTY CLAY, blue-green, moist, stiff	CL					
10	SAND, gray-brown,, moist, dense	SP			S2		
	ORGANIC SILTY CLAY, gray-black, moist, stiff	OH					
	ORGANIC SILTY CLAY, blue-green, moist, firm	OH					
15							

GeoPlexus, Inc.

FIGURE

BORING LOG

LOCATION EBMUD Adeline Facility

DATE 1/19/95

DRILLER Precision Drilling

BORING No. EB 2-8

DEPTH (ft.)	DESCRIPTION	U.S.C.	OVM/PID	WELL DESIGN	SAMPLE	BLOW COUNT	COMMENTS
	8" PCC						
	CLAYEY SAND, red-orange-brown, moist, dense	SC			S1		
5	SANDY GRAVEL, gray, saturated, dense	GP					no sample recovery
	SILTY SAND, blue-gray, saturated, dense	SM					
10	ORGANIC SILTY CLAY, blue-gray, wet, stiff	OH			S2		
	SILTY CLAY, olive-green, moist, firm	CH			S3 S3A		
15							

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FIGURE

BORING LOG

LOCATION EBMUD Adeline Facility DATE 1/18/95

DRILLER Precision Drilling BORING No. EB 3-2

DEPTH (ft.)	DESCRIPTION	U.S.C.	OVM/PID	WELL DESIGN	SAMPLE	BLOW COUNT	COMMENTS
	GRAVELLY SAND, gray-brown, dry, dense	SW					
5	SAND, orange-brown-red, wet, dense	SP					
	SAND, gray-brown, wet, dense	SP					
10	ORGANIC SILTY SAND, dark gray, moist, dense	OH					
15							

GeoPlexus, Inc.

FIGURE

BORING LOG

LOCATION EBMUD Adeline Facility DATE 1/18/95

DRILLER Precision Drilling BORING No. EB 3-3

DEPTH (ft.)	DESCRIPTION	U.S.C.	OVM/PID	WELL DESIGN	SAMPLE	BLOW COUNT	COMMENTS
	3" PCC						
	CLAYEY SAND, dark gray, moist, dense	SC					
	SANDY CLAY, dark gray, moist, stiff	CL					
5	SAND, green, moist, loose	SM			S1 S1A		strong solvent odor
	SILTY CLAY, green-gray, moist, stiff	CL					
	SAND, gray-brown, moist, loose	SM			S2		
	SANDY CLAY, dark gray, moist stiff	CL					
10	ORGANIC SANDY CLAY, gray-green, moist, stiff	OH					
15	ORGANIC SANDY CLAY, blue-green, moist, stiff	OH					

GeoPlexus, Inc.

FIGURE

BORING LOG

LOCATION EBMUD Adeline Facility DATE 1/18/95

DRILLER Precision Drilling BORING No. EB 3-4

DEPTH (ft.)	DESCRIPTION	U.S.C.	OVM/PID	WELL DESIGN	SAMPLE	BLOW COUNT	COMMENTS
	18" PCC						
	GRAVELLY SAND, yellow-gray, moist dense	SP					
	SILTY SAND, dark gray, moist, dense	SM			S1		
5	SILTY CLAY, olive-gray, moist, stiff	CL					
	SAND, gray, wet, dense	SM			S2		
	ORGANIC CLAYEY SAND, dark gray, wet, dense	OH			S2A		
10							
	ORGANIC CLAYEY SAND, blue-green, moist, dense	OH					
15							

GeoPlexus, Inc.

FIGURE

BORING LOG

LOCATION EBMUD Adeline Facility DATE 1/18/95

DRILLER Precision Drilling BORING No. EB 6-1

DEPTH (ft.)	DESCRIPTION	U.S.C.	OVM/PID	WELL DESIGN	SAMPLE	BLOW COUNT	COMMENTS
	4" PCC						
	GRAVELLY SAND, yellow-orange-brown, moist, dense	SP					
	SAND, medium brown, moist, dense	SW			S1		
5	SILTY SAND, gray, wet, loose	SM			S2		
	FINE SAND, gray, saturated, loose	SP					
10	ORGANIC SILTY CLAY, dark gray, moist, firm	OH					
	ORGANIC SANDY CLAY, blue-green, moist, stiff	OH					
15							

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FIGURE

BORING LOG

LOCATION EBMUD Adeline Facility DATE 1/18/95

DRILLER Precision Drilling BORING No. EB 6-2

DEPTH (ft.)	DESCRIPTION	U.S.C.	OVM/PID	WELL DESIGN	SAMPLE	BLOW COUNT	COMMENTS
	GRAVELLY SAND, orange-brown, moist. dense	SW					
	SILTY/SANDY CLAY, mottled gray-red-brown, moist, stiff with brick and gravel	SC			S1		
5	GRAVEL, medium brown, wet, dense, with thin sand lenses	GP					
	SAND, dark gray, wet, loose	SM			S2		strong gas odor oil odor
	SILTY CLAY, dark gray, moist, stiff with some organic fibers	CL/OH					
10	ORGANIC SANDY CLAY, blue-green, wet, stiff	OH			S3		
	ORGANIC CLAYEY SAND, blue-green, moist, dense	SC					
15							

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FIGURE

BORING LOG

LOCATION EBMUD Adeline Facility DATE 1/18/95

DRILLER Precision Drilling BORING No. EB6-3

DEPTH (ft.)	DESCRIPTION	U.S.C.	OVM/PID	WELL DESIGN	SAMPLE	BLOW COUNT	COMMENTS
	2" A/C						
	GRAVELLY, SILTY CLAY, red-brown, damp, firm	CL					
5	SAND, red-brown, wet, dense	SM			S1		
	ORGANIC SILTY CLAY, black, wet, stiff	OH					
10	ORGANIC SILTY CLAY, blue-green, moist, stiff	OH					
15							

GeoPlexus, Inc.

FIGURE

BORING LOG

LOCATION EBMUD Adeline Facility DATE 1/18/95

DRILLER Precision Drilling BORING No. EB 6-4

DEPTH (ft.)	DESCRIPTION	U.S.C.	OVM/PID	WELL DESIGN	SAMPLE	BLOW COUNT	COMMENTS
	3" A/C						
	GRAVELLY SAND, yellow-brown, moist, loose	SW					
	GRAVELLY SAND, brown-orange, moist, loose	SW					
5	SANDY GRAVEL, gray-brown, wet, loose	GP			S1		
	SAND, red-brown, wet, dense	SM					
	SILTY CLAY, dark gray, moist, stiff	CL					
10	SILTY CLAY, blue-green, moist, stiff	CL					
15							

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FIGURE

BORING LOG

LOCATION EBMUD Adeline Facility DATE 1/20/95

DRILLER Precision Drilling BORING No. ER 7-1

DEPTH (ft.)	DESCRIPTION	U.S.C.	OVM/PID	WELL DESIGN	SAMPLE	BLOW COUNT	COMMENTS
	4" PCC						
	SAND, brown-gray, damp, loose	SM					
	SANDY CLAY, gray-brown, moist, soft	CL			S1		
	SANDY CLAY, gray-brown moist, firm	CL			S1A		
5	contains oyster? shells						
10	SILTY CLAY, dark gray, moist, firm moderate organics	CL			S2		
					S2A		strong H_2S odors
					S3		
	ORGANIC SILTY CLAY, dark gray, moist, firm	OH					strong H_2S odors
15	SILTY CLAY, blue-green moist, stiff	CL					

GeoPlexus, Inc.

FIGURE

BORING LOG

LOCATION EBMUD Adeline Facility DATE 1/20/95

DRILLER Precision Drilling BORING No. M-1

DEPTH (ft.)	DESCRIPTION	U.S.C.	OVM/PID	WELL DESIGN	SAMPLE	BLOW COUNT	COMMENTS
	3" A/C over gravelly sand base						
	SILTY CLAY, dark gray, moist, stiff	CL					
	SILTY CLAY, blue-grey, moist, stiff	CL					
5	SILTY CLAY, mottled orange-blue-green, moist, stiff	CL			S1 S1A		strong gas odor
	SILTY CLAY, blue-green, moist, stiff	CL					solvent? odor
10					S2 S2A		
15							

GeoPlexus, Inc.

FIGURE

BORING LOG

LOCATION EBMUD Adeline Facility DATE 1/20/95

DRILLER Precision Drilling BORING No. M-2

DEPTH (ft.)	DESCRIPTION	U.S.C.	OVM/PID	WELL DESIGN	SAMPLE	BLOW COUNT	COMMENTS
	3" A/C GRAVELLY SAND, orange-brown, moist, dense	SW					no gas odors
	SILTY CLAY, dark gray, moist, stiff	CL					
5	SILTY CLAY, olive-gray, moist, stiff	CL					
	SILTY CLAY, mottled orange-grey-olive, moist stiff, stage II carbonate development	CL					no gas odors
10	SILTY CLAY, gray-brown, moist, stiff	CL			S1		
	SILTY CLAY, blue-green, moist, stiff	CL			S1A		moderate gas odor
	CLAYEY SAND, blue-green, moist, dense	SC					
	CLAYEY, GRAVELLY SAND, green-brown, moist, dense	SC					
15							

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FIGURE

APPENDIX B

CHAIN-OF-CUSTODY FORMS

AND

ANALYTICAL TEST DATA

GeoPlexus, Inc.
1900 Wyatt Drive, Suite 1, Santa Clara, California 95054
Phone 408/987-0210 Fax 408/988-0815

CHAIN-OF-CUSTODY

3562 AGP157-157A

PROJECT NUMBER	PROJECT NAME		
C95002	EBMUD ADELINE FACILITY		
Send Report Attention of: DAVID GLICK	Report Due / /	Verbal Due / /	

Sample Number	Date	Time	Comp	Grab	Station Location	Number of Cntnrs	Type of Containers	TPHg/BTEX	TPHd	EPA 8010	OIL & GREASE 5520	CAM 17 METALS	EPA 8270					Condition of Samples	Initial
6-1 S1	1/18/95	1255		/	BORING 6-1 3-4'	1 EA	6" STAINLESS STEEL TUBE	✓	✓	✓	✓	✓	✓					43802	
6-1 S2		1301		/	BORING 6-1 5.5-6'			✓	✓									43803	
6-2 S1		1110		/	BORING 6-2 1.5-2.5'						✓	✓	✓					43804	
6-2 S2		1125		/	BORING 6-2 6.5-7'			✓	✓	✓	DLG							43805	
6-2 S3		1135		/	BORING 6-2 9-9.5'			✓	✓									43806	
6-3 S1		1020		/	BORING 6-3 6.5-7'			✓	✓	✓	✓							43807	
6-4 S1		1305		/	BORING 6-4 5-6'			✓	✓	✓	✓							43808	
3-2 S1		1450		/	BORING 3-2 7-8'			✓	✓		✓							43809	
3-3 S1		1510		/	BORING 3-3 4-5'			✓	✓	✓	✓							43810	
3-3 S2		1520		/	BORING 3-3 8-8.5'			✓	1-31 ✓	✓	1-31 ✓							43811	
3-4 S1		1535		/	BORING 3-4 5-5.5			✓	✓	✓	✓							43812	
3-4 S2	↓	1540		/	BORING 3-4 8-9'	↓	↓			DLG		HOLD						43813	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/23/95 1035	[signature]	1/23/95 1038
[signature]	1/23/95 1215	Heidi Ricca	1-23-95 12:15

Remarks: STANDARD TURNAROUND 1 of 4
1 PPM TPHd DETECTION LIMITS

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

GeoPlexus, Inc.
1900 Wyatt Drive, Suite 1, Santa Clara, California 95054
Phone 408/987-0210 Fax 408/988-0815

CHAIN-OF-CUSTODY

3562 AGP157-157A

PROJECT NUMBER: C95002

PROJECT NAME: EBMUD ADELINE FACILITY

Send Report Attention of: DAVID GLICK

Report Due: / /

Verbal Due: / /

Sample Number	Date	Time	Comp	Grab	Station Location	Number of Cntnrs	Type of Containers	TPHg/BTEX	TPHd	EPA 8010	OIL & GREASE 5520	CAM 17 METALS	EPA 8270				Condition of Samples	Initial
2-1 S1	1/18/95	1425		/	BORING 2-1 11-12'	1 ea	6" Stainless Steel Tube	✓		✓		✓	D(1.6)				43814	
2-1 S2	↓	1449		/	BORING 2-1 14.5-15	↓	↓	✓ 1.31	✓	✓ 1.31	✓						43815	
2-3 S1	1/19/95	920		/	BORING 2-3 2.5-3.5					✓		✓					43816	
2-3 S2		935		/	BORING 2-3 5-5.5'			✓	✓								43817	
2-3 S3		940		/	BORING 2-3 10-11'					HOLD							43818	
2-4 S1		1048		/	BORING 2-4 9-10'				✓	✓							43819	
2-4 S2		1110		/	BORING 2-4 14-15'					✓		✓	✓				43820	
2-5 S1		1000		/	BORING 2-5 3.5-4'					✓		✓					43821	
2-5 S2		1010		/	BORING 2-5 7-8'					✓		D(1.6)	D(1.6)				43822	
2-7 S1		1305		/	BORING 2-7 6-7'			✓	✓	✓	✓	✓ 1.31					43823	
2-7 S2	↓	1310		/	BORING 2-7 9.5-10	↓	↓	✓ 1.31	✓		✓	D(G)					43824	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/23/95 1035	[signature]	1/23/95 1040
[signature]	1/23/95 1215	[signature]	1-23-95 12:15

Remarks: STANDARD TURNAROUND 2 of 4

1 ppm TPHd DETECTION LIMIT

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

GeoPlexus, Inc.
1900 Wyatt Drive, Suite 1, Santa Clara, California 95054
Phone 408/987-0210 Fax 408/988-0815

CHAIN-OF-CUSTODY

3562 AGP157-157A

PROJECT NUMBER: C95002
PROJECT NAME: EBMUD ADELINE FACILITY
Send Report Attention of: DAVID GLICK
Report Due: / /
Verbal Due: / /

Sample Number	Date	Time	Comp	Grab	Station Location	Number of Cntnrs	Type of Containers	Type of Analysis: TPHg / BTEX	TPHd EPA 8010	oil & grease 5520	CAM 17 METALS EPA 6270	Condition of Samples	Initial
2-8 S1	1/19/95	1148		/	BORING 2-8 2-2.5'	1 EA	6" STAINLESS STEEL TUBE				✓	43825	
2-8 S2		1157		/	BORING 2-8 11.5-12'				✓	✓		43826	
2-8 S3		1207		/	BORING 2-8 14-15'						HOLD	43827	
1-1 S1		1430		/	BORING 1-1 9-10'			✓	✓			43828	
1-1 S2		1440		/	BORING 1-1 12-12.5			✓	✓			43829	
1-2 S1		1515		/	BORING 1-2 9-10'			✓	✓			43830	
1-2 S2		1525		/	BORING 1-2 13-13.5'			✓	✓			43831	
7-1 S1	1/20/95	901		/	BORING 7-1 3-4'			✓	✓	✓		43832	
7-1 S2		905		/	BORING 7-1 10-11'				✓			43833	
7-1 S3		908		/	BORING 7-1 13-13.5'				D/A		HOLD	43834	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	1/23/95 1035		1/23/95 1040
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	1/23/95 1516		1-23-95 12:15
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

Remarks: STANDARD TURNAROUND 3 of 4

1 ppm TPHd DETECTION LIMITS

ICE/T ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓

PRESERVATIVE APPROPRIATE ✓
VOAS | O&G | METALS | OTHER

GeoPlexus, Inc.

1900 Wyatt Drive, Suite 1, Santa Clara, California 95054
Phone 408/987-0210 Fax 408/988-0815

CHAIN-OF-CUSTODY

3562A68157

PROJECT NUMBER	PROJECT NAME
C95002	EBMUD ADS LINE FACILITY

Send Report Attention of:	Report Due	Verbal Due
DAVID GLICK	1 1	1 1

Sample Number	Date	Time	Comp	Grab	Station Location	Number of Cntnrs	Type of Containers	TPHg/BTEX	TPHd	EPA 601D	Oil & Grease 5520	Condition of Samples	Initial
M-1 S1	1/20/95	1005		1	Boring M-1 5-6'	1EA	6" Stainless Steel Tube	✓		✓		43835	
M-1 S2	↓	1010		1	Boring M-1 9-10'	↓	↓	✓		✓		43836	
M-2 S1	↓	1055		1	Boring M-2 10-11'	↓	↓	✓		✓		43837	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/23/95 1035	[signature]	1/23/95 1037
[signature]	1/23/95 1216	[signature]	1-23-95 12:16
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

Remarks: STANDARD TURNAROUND 4 of 4

1ppm TPHd DETECTION LIMITS

VOAS | O&G | METALS | OTHER

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

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

GEO Plexus, Inc. 1900 Wyatt Drive, # 1 Santa Clara, CA 95054	Client Project ID: # C95002; EBMUD, Adeline Facility	Date Sampled: 01/18-01/20/95
		Date Received: 01/23/95
	Client Contact: David Glick	Date Extracted: 01/23/95
	Client P.O:	Date Analyzed: 01/23-01/24/95

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
43802	6-1 S1	S	ND,b,f	ND	ND	ND	0.009	97
43803	6-1 S2	S	ND	ND	ND	ND	ND	103
43805	6-2 S2	S	140,a	0.84	0.38	3.4	7.6	109
43806	6-2 S3	S	23,a	0.98	0.12	0.97	4.5	110
43807	6-3 S1	S	ND	ND	ND	ND	ND	95
43808	6-4 S1	S	ND	ND	ND	ND	ND	105
43809	3-2 S1	S	ND	ND	ND	ND	ND	104
43810	3-3 S1	S	29,e	0.012	0.019	0.021	0.17	107
43811	3-3 S2	S	63,e	0.011	0.010	ND	0.42	109
43812	3-4 S1	S	ND	ND	ND	ND	ND	102
43814	2-1 S1	S	ND	ND	ND	ND	ND	103
43817	2-3 S2	S	ND	ND	ND	ND	ND	104
43823	2-7 S1	S	130,e/b	0.43	2.4	2.7	6.5	96
43828	1-1 S1	S	ND,a	0.011	0.026	0.014	0.041	100
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 (Stoddards solvent?); 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

GEO Plexus. Inc. 1900 Wyatt Drive, # 1 Santa Clara, CA 95054	Client Project ID: # C95002; EBMUD, Adeline Facility	Date Sampled: 01/18-01/20/95
		Date Received: 01/23/95
	Client Contact: David Glick	Date Extracted: 01/23-01/31/95
	Client P.O:	Date Analyzed: 01/23-01/31/95

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
43829	1-1 S2	S	ND	ND	ND	ND	ND	103
43830	1-2 S1	S	ND	ND	ND	ND	ND	104
43831	1-2 S2	S	ND	ND	ND	ND	ND	107
43832	7-1 S1	S	ND	ND	ND	ND	ND	107
43835	M-1 S1	S	78,e	ND< 0.05	ND< 0.05	0.063	0.32	95
43836	M-1 S2	S	120,e	ND	0.014	ND	0.53	109
43837	M-2 S1	S	460,e	ND< 0.2	0.35	0.66	2.0	107
43815	2-1 S2	S	ND	ND	ND	ND	ND	100
43824	2-7 S2	S	ND,a	0.008	0.014	0.005	0.029	103
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 (Stoddards solvent?); 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

GEO Plexus, Inc. 1900 Wyatt Drive, # 1 Santa Clara, CA 95054	Client Project ID: # C95002; EBMUD, Adeline Facility	Date Sampled: 01/18-01/20/95
		Date Received: 01/23/95
	Client Contact: David Glick	Date Extracted: 01/23/95
	Client P.O:	Date Analyzed: 01/24-01/27/95

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
43802	6-1 S1	S	26,g/b	105
43803	6-1 S2	S	ND	104
43805	6-2 S2	S	56,d	108
43806	6-2 S3	S	2.5,d	101
43807	6-3 S1	S	ND	103
43808	6-4 S1	S	ND	102
43809	3-2 S1	S	ND	103
43810	3-3 S1	S	2200,g,e	105
43812	3-4 S1	S	2.8,g	104
43815	2-1 S2	S	ND	103
43817	2-3 S2	S	ND	106
43819	2-4 S1	S	ND	110
43823	2-7 S1	S	6400,g,e/d	110
43824	2-7 S2	S	ND	105
Detection Limit unless otherwise stated; ND means Not Detected		W	50 ug/L	
		S	1.0 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(Stoddards solvent?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible phase is present.

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		Date Received: 01/23/95
	Client Contact: David Glick	Date Extracted: 01/31/95
	Client P.O:	Date Analyzed: 01/24-01/31/95

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
43826	2-8 S2	S	1.9,b	109
43828	1-1 S1	S	13,b,g	108
43829	1-1 S2	S	ND	105
43830	1-2 S1	S	1.5,g	107
43831	1-2 S2	S	1.5,b	111
43832	7-1 S1	S	ND	107
43811	3-3 S2	S	2300,g	106
Detection Limit unless otherwise stated; ND means Not Detected		W	50 ug/L	
		S	1.0 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(Stoddards solvent?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible phase is present.

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	Client P.O:	Date Analyzed: 01/24-01/31/95

Petroleum Oil & Grease (with Silica Gel Clean-up) *

EPA methods 413.1, 9070 or 9071; Standard Methods 5520 B/E&F or 503 D&E for solids and 5520 B&F or 503 A&E for liquids

Lab ID	Client ID	Matrix	Oil & Grease
43802	6-1 S1	S	450
43804	6-2 S1	S	ND
43807	6-3 S1	S	ND
43808	6-4 S1	S	ND
43809	3-2 S1	S	ND
43810	3-3 S1	S	18,000
43812	3-4 S1	S	ND
43815	2-1 S2	S	ND
43823	2-7 S1	S	24,000
43824	2-7 S2	S	ND
43826	2-8 S2	S	ND
43832	7-1 S1	S	ND
43811	3-3 S2	S	13,000
Detection Limit unless otherwise stated; ND means Not Detected		W	5 mg/L
		S	50 mg/kg

*water samples are reported in mg/L and soils in mg/kg

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		Date Received: 01/23/95
	Client Contact: David Glick	Date Extracted: 01/23-01/25/95
	Client P.O:	Date Analyzed: 01/23-01/25/95

Volatile Halocarbons

EPA method 601 or 8010

Lab ID	43802	43805	43807	43808
Client ID	6-1 S1	6-2 S2	6-3 S1	6-4 S1
Matrix	S	S	S	S
Compound[1]	Concentration*	Concentration*	Concentration*	Concentration*
Bromodichloromethane	ND	ND	ND	ND
Bromoform[2]	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND
Carbon Tetrachloride[3]	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether[4]	ND	ND	ND	ND
Chloroform[5]	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND
cis 1,2-Dichloroethene	ND	ND	ND	ND
trans 1,2-Dichloroethene	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND
cis 1,3-Dichloropropene	ND	ND	ND	ND
trans 1,3-Dichloropropene	ND	ND	ND	ND
Methylene Chloride[6]	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND
Tetrachloroethene[7]	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND
Vinyl Chloride[8]	ND	ND	ND	ND
% Recovery Surrogate	79	92	79	84
Comments				

Detection limit unless otherwise stated: water, ND< 0.5ug/L; soil, ND< 10ug/kg.

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

(1) IUPAC allows "ylene" or "ene"; ex. ethylene or ethene; (2) tribromomethane; (3) tetrachloromethane; (4) (2-chloroethoxy) ethene; (5) trichlormethane; (6) dichloromethane; (7) perchlorethylene, PCE or perclor; (8) chloroethene; (9) unidentified peak(s) present.

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		Date Received: 01/23/95
	Client Contact: David Glick	Date Extracted: 01/23-01/25/95
	Client P.O:	Date Analyzed: 01/23-01/25/95

Volatile Halocarbons

EPA method 601 or 8010

Lab ID	43810	43811	43812	43814
Client ID	3-3 S1	3-3 S2	3-4 S1	2-1 S1
Matrix	S	S	S	S
Compound(1)	Concentration*	Concentration*	Concentration*	Concentration*
Bromodichloromethane	ND	ND	ND	ND
Bromoform(2)	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND
Carbon Tetrachloride(3)	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether(4)	ND	ND	ND	ND
Chloroform (5)	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND
cis 1,2-Dichloroethene	ND	ND	ND	ND
trans 1,2-Dichloroethene	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND
cis 1,3-Dichloropropene	ND	ND	ND	ND
trans 1,3-Dichloropropene	ND	ND	ND	ND
Methylene Chloride(6)	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND
Tetrachloroethene (7)	68	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND
Vinyl Chloride(8)	ND	ND	ND	ND
% Recovery Surrogate	83	85	83	79
Comments	9	9		

Detection limit unless otherwise stated: water, ND< 0.5ug/L, soil, ND< 10ug/kg.

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

(1) IUPAC allows "ylene" or "ene"; ex. ethylene or ethene; (2) tribromomethane; (3) tetrachloromethane; (4) (2-chloroethoxy) ethene; (5) trichlormethane, (6) dichloromethane; (7) perchlorethylene, PCE or perclor; (8) chloroethene; (9) unidentified peak(s) present.

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	Client P.O:	Date Analyzed: 01/23-01/25/95

Volatile Halocarbons

EPA method 601 or 8010

Lab ID	43816	43819	43820	43821
Client ID	2-3 S1	2-4 S1	2-4 S2	2-5 S1
Matrix	S	S	S	S
Compound(1)	Concentration*	Concentration*	Concentration*	Concentration*
Bromodichloromethane	ND	ND	ND	ND
Bromoform(2)	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND
Carbon Tetrachloride(3)	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether(4)	ND	ND	ND	ND
Chloroform (5)	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND
cis 1,2-Dichloroethene	ND	ND	ND	ND
trans 1,2-Dichloroethene	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND
cis 1,3-Dichloropropene	ND	ND	ND	ND
trans 1,3-Dichloropropene	ND	ND	ND	ND
Methylene Chloride(6)	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND
Tetrachloroethene (7)	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND
Vinyl Chloride(8)	ND	ND	ND	ND
% Recovery Surrogate	84	84	86	88
Comments				

Detection limit unless otherwise stated: water, ND< 0.5ug/L; soil, ND< 10ug/kg.

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

(1) IUPAC allows "ylene" or "ene", ex. ethylene or ethene; (2) tribromomethane; (3) tetrachloromethane; (4) (2-chloroethoxy) ethene, (5) trichlormethane; (6) dichloromethane; (7) perchlorethylene, PCE or perclor; (8) chloroethene; (9) unidentified peak(s) present

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		Date Received: 01/23/95
	Client Contact: David Glick	Date Extracted: 01/23-01/25/95
	Client P.O:	Date Analyzed: 01/23-01/25/95

Volatile Halocarbons

EPA method 601 or 8010

Lab ID	43822	43823	43826	43833
Client ID	2-5 S2	2-7 S1	2-8 S2	7-1 S2
Matrix	S	S	S	S
Compound[1]	Concentration*	Concentration*	Concentration*	Concentration*
Bromodichloromethane	ND	ND	ND	ND
Bromoform[2]	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND
Carbon Tetrachloride[3]	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether[4]	ND	ND	ND	ND
Chloroform[5]	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	98	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	30	ND	ND
1,1-Dichloroethane	ND	210	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND
cis 1,2-Dichloroethene	ND	ND	ND	ND
trans 1,2-Dichloroethene	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND
cis 1,3-Dichloropropene	ND	ND	ND	ND
trans 1,3-Dichloropropene	ND	ND	ND	ND
Methylene Chloride[6]	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND
Tetrachloroethene[7]	ND	1900	ND	ND
1,1,1-Trichloroethane	ND	540	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND
Trichloroethene	ND	870	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND
Vinyl Chloride[8]	ND	ND	ND	ND
% Recovery Surrogate	86	102	86	84
Comments		9		

Detection limit unless otherwise stated: water, ND< 0.5ug/L; soil, ND< 10ug/kg.

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

(1) IUPAC allows "ylene" or "ene"; ex. ethylene or ethene; (2) tribromomethane; (3) tetrachloromethane; (4) (2-chloroethoxy) ethene; (5) trichlormethane; (6) dichloromethane, (7) perchlorethylene, PCE or perclor, (8) chloroethene, (9) unidentified peak(s) present

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	Client Contact: David Glick	Date Extracted: 01/23-01/31/95
	Client P.O:	Date Analyzed: 01/23-01/31/95

Volatile Halocarbons

EPA method 601 or 8010

Lab ID	43835	43836	43837	43815
Client ID	M-1 S1	M-1 S2	M-2 S1	2-1 S2
Matrix	S	S	S	S
Compound[1]	Concentration*	Concentration*	Concentration*	Concentration*
Bromodichloromethane	ND	ND	ND	ND
Bromoform[2]	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND
Carbon Tetrachloride[3]	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether[4]	ND	ND	ND	ND
Chloroform[5]	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND
cis 1,2-Dichloroethene	ND	ND	ND	ND
trans 1,2-Dichloroethene	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND
cis 1,3-Dichloropropene	ND	ND	ND	ND
trans 1,3-Dichloropropene	ND	ND	ND	ND
Methylene Chloride[6]	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND
Tetrachloroethene[7]	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND
Vinyl Chloride[8]	ND	ND	ND	ND
% Recovery Surrogate	90	89	92	88
Comments				

Detection limit unless otherwise stated: water, ND< 0.5ug/L; soil, ND< 10ug/kg.

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

(1) IUPAC allows "ylene" or "ene", ex. ethylene or ethene; (2) tribromomethane; (3) tetrachloromethane; (4) (2-chloroethoxy) ethene, (5) trichlormethane; (6) dichloromethane, (7) perchlorethylene, PCE or perclor; (8) chloroethene; (9) unidentified peak(s) present

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		Date Received: 01/23/95
	Client Contact: David Glick	Date Extracted: 01/26/95
	Client P.O:	Date Analyzed: 01/26-01/27/95

CAM 17 METALS

EPA methods 6010/200.7; 7470/245.1 (Hg); 7060/206.2 (As); 7740/270.2 (Se); 7841/279.2 (Tl); 239.2 (Pb, water matrix)

Lab ID	43802	43804	43814	43816	Detection Limit		
Client ID	6-1 S1	6-2 S1	2-1 S1	2-3 S1			
Matrix	S	S	S	S	S	W	STLC /
Extraction°	TTLC	TTLC	TTLC	TTLC	TTLC	TTLC	TCLP
Compound	Concentration*	Concentration*	Concentration*	Concentration*	mg/kg	mg/L	mg/L
Antimony (Sb)	2.6	ND	ND	ND	2.5	0.05	0.05
Arsenic (As)	3.6	4.3	5.6	5.5	2.5	0.005	0.25
Barium (Ba)	240	160	450	140	1.0	0.05	0.05
Beryllium (Be)	ND	ND	ND	ND	0.5	0.01	0.01
Cadmium (Cd)	2.1	ND	ND	ND	0.5	0.01	0.01
Cobalt (Co)	6.0	6.6	3.8	8.3	2.0	0.02	0.05
Chromium (Cr)	33	24	30	28	0.5	0.005	0.05
Copper (Cu)	190	17	22	20	2.0	0.02	0.05
Lead (Pb)	2600	75	7.2	73	3.0	0.005	0.2
Mercury (Hg)	ND	ND	ND	ND	0.06	0.0008	0.0008
Molybdenum (Mo)	ND	ND	ND	ND	2.0	0.05	0.05
Nickel (Ni)	27	19	41	37	2.0	0.02	0.05
Selenium (Se)	ND	ND	ND	ND	2.5	0.005	0.25
Silver (Ag)	ND	ND	ND	ND	1.0	0.01	0.05
Thallium (Tl)	ND	ND	ND	ND	0.5	0.001	0.05
Vanadium (V)	21	20	28	26	2.0	0.05	0.05
Zinc (Zn)	730	44	35	66	1.0	0.05	0.05
% Recovery Surrogate	103	101	102	104			
Comments							

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

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

surrogate diluted out of range

a) aqueous sample that contains greater than ~ 2 vol. % sediments, these sediments are extracted with the liquid, in accordance with EPA methodologies, and can significantly increase reported metal concentrations.

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

GEO Plexus, Inc. 1900 Wyatt Drive, # 1 Santa Clara, CA 95054	Client Project ID: # C95002; EBMUD, Adeline Facility	Date Sampled: 01/18-01/20/95
		Date Received: 01/23/95
	Client Contact: David Glick	Date Extracted: 01/26-01/27/95
	Client P.O:	Date Analyzed: 01/26-02/02/95

CAM 17 METALS

EPA methods 6010/200.7; 7470/245.1 (Hg); 7060/206.2 (As); 7740/270 2 (Se); 7841/279.2 (Tl); 239.2 (Pb, water matrix)

Lab ID	43820	43821	43825	43823	Detection Limit		
Client ID	2-4 S2	2-5 S1	2-8 S1	2-7 S1			
Matrix	S	S	S	S	S	W	STLC /
Extraction°	TTLC	TTLC	TTLC	TTLC	TTLC	TTLC	TCLP
Compound	Concentration*	Concentration*	Concentration*	Concentration*	mg/kg	mg/L	mg/L
Antimony (Sb)	ND	ND	ND	ND	2.5	0.05	0.05
Arsenic (As)	3.0	9.5	7.9	3.9	2.5	0.005	0.25
Barium (Ba)	32	51	42	27	1.0	0.05	0.05
Beryllium (Be)	ND	ND	ND	ND	0.5	0.01	0.01
Cadmium (Cd)	ND	ND	ND	ND	0.5	0.01	0.01
Cobalt (Co)	6.3	4.4	5.2	3.7	2.0	0.02	0 05
Chromium (Cr)	29	39	35	24	0.5	0.005	0.05
Copper (Cu)	12	17	32	9.4	2.0	0.02	0.05
Lead (Pb)	6.7	10	44	27	3.0	0.005	0 2
Mercury (Hg)	ND	ND	ND	ND	0.06	0.0008	0.0008
Molybdenum (Mo)	ND	ND	ND	ND	2.0	0.05	0.05
Nickel (Ni)	37	25	24	19	2.0	0.02	0.05
Selenium (Se)	ND	ND	ND	ND	2.5	0 005	0.25
Silver (Ag)	ND	ND	ND	ND	1.0	0.01	0.05
Thallium (Tl)	ND	ND	ND	ND	0 5	0.001	0.05
Vanadium (V)	21	35	27	16	2.0	0.05	0.05
Zinc (Zn)	42	44	72	31	1.0	0.05	0 05
% Recovery Surrogate	107	102	107	107			
Comments							

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

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

surrogate diluted out of range

a) aqueous sample that contains greater than ~ 2 vol. % sediments; these sediments are extracted with the liquid, in accordance with EPA methodologies, and can significantly increase reported metal concentrations.

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: 01/23-01/24/95 Matrix: Soil

Analyte	Concentration (mg/kg)			Amount Spiked	% Recovery		RPD
	Sample	MS	MSD		MS	MSD	
TPH (gas)	0.000	1.790	1.715	2.03	88	84	4.3
Benzene	0.000	0.162	0.164	0.2	81	82	1.2
Toluene	0.000	0.168	0.168	0.2	84	84	0.0
Ethylbenzene	0.000	0.168	0.168	0.2	84	84	0.0
Xylenes	0.000	0.524	0.522	0.6	87	87	0.4
TPH (diesel)	0	292	292	300	97	97	0.1
TRPH (oil & grease)	0.0	23.3	23.4	20.8	112	112	0.4

% 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: 01/31-02/01/95 Matrix: Soil

Analyte	Concentration (mg/kg)			Amount Spiked	% Recovery		RPD
	Sample	MS	MSD		MS	MSD	
TPH (gas)	0.000	1.761	1.718	2.03	87	85	2.5
Benzene	0.000	0.174	0.180	0.2	87	90	3.4
Toluene	0.000	0.194	0.190	0.2	97	95	2.1
Ethylbenzene	0.000	0.182	0.188	0.2	91	94	3.2
Xylenes	0.000	0.588	0.582	0.6	98	97	1.0
TPH (diesel)	0	281	282	300	94	94	0.4
TRPH (oil & grease)	0.0	18.9	19.2	20.8	91	92	1.6

% 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
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QC REPORT FOR EPA 8010/8020/EDB

Date: 01/24-01/25/95 Matrix: Soil

Analyte	Concentration (ug/kg)				% Recovery		
	Sample	MS	MSD	Amount Spiked	MS	MSD	RPD
1,1-DCE	0	103	104	100	103	104	1.0
Trichloroethene	0	93	93	100	93	93	0.0
EDB	0	86	89	100	86	89	3.4
Chlorobenzene	0	102	101	100	102	101	1.0
Benzene	0	109	109	100	109	109	0.0
Toluene	0	103	103	100	103	103	0.0
Chlorobz (PID)	0	103	101	100	103	101	2.0

% 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 EPA 8010/8020/EDB

Date: 01/30-01/31/95 Matrix: Soil

Analyte	Concentration (ug/kg)				% Recovery		RPD
	Sample	MS	MSD	Amount Spiked	MS	MSD	
1,1-DCE	0	104	105	100	104	105	1.0
Trichloroethene	0	85	89	100	85	89	4.6
EDB	0	85	89	100	85	89	4.6
Chlorobenzene	0	94	99	100	94	99	5.2
Benzene	0	104	104	100	104	104	0.0
Toluene	0	97	97	100	97	97	0.0
Chlorobz (PID)	0	94	97	100	94	97	3.1

% 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 METALS

Date: 01/26/95 Matrix: Soil

Extraction: TTLC

Analyte	Concentration (mg/kg,mg/L) Sample	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
Arsenic	0.0	222.0	213.0	250.0	89	85	4.1
Selenium	0.0	5.0	5.2	5.0	101	103	2.6
Molybdenum	0.0	5.2	5.3	5.0	104	105	0.8
Silver	0.0	0.5	0.5	0.5	108	108	0.0
Thallium	0.0	4.9	5.0	5.0	99	101	2.0
Barium	0.0	5.1	5.2	5.0	102	103	1.0
Nickel	0.0	5.3	5.3	5.0	106	106	0.6
Chromium	0.0	5.3	5.3	5.0	105	105	0.2
Vanadium	0.0	5.0	5.1	5.0	100	102	1.6
Beryllium	0.0	5.1	5.1	5.0	102	102	0.0
Zinc	0.0	5.4	5.4	5.0	107	108	0.6
Copper	0.0	5.1	5.1	5.0	102	102	0.4
Antimony	0.0	5.5	5.5	5.0	109	110	0.9
Lead	0.0	5.3	5.3	5.0	105	106	0.8
Cadmium	0.0	5.4	5.4	5.0	108	108	0.6
Cobalt	0.0	5.4	5.3	5.0	107	107	0.6
Mercury	0.000	0.273	0.254	0.25	109	102	7.2

% 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 METALS

Date: 02/02/95 Matrix: Soil

Extraction: TTLC

Analyte	Concentration (mg/kg,mg/L) Sample	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
Arsenic	0.0	5.2	5.2	5.0	104	103	1.2
Selenium	0.0	240.0	240.0	250.0	96	96	0.0
Molybdenum	0.0	4.8	4.7	5.0	96	94	1.5
Silver	0.0	0.5	0.5	0.5	102	100	2.0
Thallium	0.0	4.9	4.9	5.0	99	99	0.0
Barium	0.0	4.9	4.8	5.0	98	96	2.7
Nickel	0.0	4.8	4.7	5.0	95	93	1.9
Chromium	0.0	4.8	4.7	5.0	95	93	1.9
Vanadium	0.0	4.7	4.6	5.0	93	92	1.3
Beryllium	0.0	4.8	4.8	5.0	95	95	0.2
Zinc	0.0	4.7	4.7	5.0	94	93	0.9
Copper	0.0	4.7	4.7	5.0	95	93	1.9
Antimony	0.0	4.8	4.7	5.0	96	94	2.1
Lead	0.0	4.8	4.7	5.0	96	94	2.5
Cadmium	0.0	4.8	4.7	5.0	96	94	2.7
Cobalt	0.0	4.8	4.7	5.0	96	93	2.7
Mercury	0.000	0.229	0.229	0.25	92	92	0.0

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

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

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: Ed Hamilton BILL TO: McCampbell

COMPANY: McCampbell Analytical

TELE: FAX #:

PROJECT NUMBER: 3562 PROJECT NAME: GP/ADELINE

PROJECT LOCATION: SAMPLER SIGNATURE:

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	COMMENTS
G-1 S1		1-18-95	1255	1			X							43802
G-2 S1		1-18-95	1110	1			X							43804
2-4 S2		1-19-95	1110	1			X							43820

ANALYSIS REQUEST

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	TIME			
									X									
									X									
									X									

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
Linda Mecca	1-24-95	10:35 AM	
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
RELINQUISHED BY:	DATE	TIME	RECEIVED BY LABORATORY:

REMARKS:

Rush will be put on

CHROMALAB, INC.

Environmental Services (SDB)

January 31, 1995 — *Submission #:* 9501205

MCCAMPBELL ANALYTICAL, INC.
Atten: Ed Hamilton

Sampled: January 18, 1995
Extracted: January 25, 1995

Submitted: January 24, 1995
Analyzed: January 26, 1995

Project: GP/ADELINE
Project #: 3562
Client Sample ID: 6-1 S1

Method: EPA 3550/8270
Matrix: SOIL
Dilution Factor: 1:50

COMPOUND NAME	Sample mg/kg	Reporting Limit mg/kg	Blank Spike Recovery
PHENOL	N.D.	2.5	-----
BIS(2-CHLOROETHYL) ETHER	N.D.	2.5	-----
2-CHLOROPHENOL	N.D.	2.5	68%
1,3-DICHLOROBENZENE	N.D.	2.5	-----
1,4-DICHLOROBENZENE	N.D.	2.5	-----
BENZYL ALCOHOL	N.D.	5.0	-----
1,2-DICHLOROBENZENE	N.D.	2.5	-----
2-METHYLPHENOL	N.D.	2.5	-----
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	2.5	-----
4-METHYLPHENOL	N.D.	2.5	-----
N-NITROSO-DI-N-PROPYLAMINE	N.D.	2.5	62%
HEXACHLOROETHANE	N.D.	2.5	-----
NITROBENZENE	N.D.	2.5	-----
ISOPHORONE	N.D.	2.5	-----
2-NITROPHENOL	N.D.	2.5	-----
2,4-DIMETHYLPHENOL	N.D.	2.5	-----
BENZOIC ACID	N.D.	12	-----
BIS(2-CHLOROETHOXY)METHANE	N.D.	2.5	-----
2,4-DICHLOROPHENOL	N.D.	2.5	-----
1,2,4-TRICHLOROBENZENE	N.D.	2.5	-----
NAPHTHALENE	N.D.	2.5	-----
4-CHLOROANILINE	N.D.	5.0	-----
HEXACHLOROBUTADIENE	N.D.	2.5	-----
4-CHLORO-3-METHYLPHENOL	N.D.	5.0	80%
2-METHYLNAPHTHALENE	N.D.	2.5	-----
HEXACHLOROCYCLOPENTADIENE	N.D.	2.5	-----
2,4,6-TRICHLOROPHENOL	N.D.	2.5	-----
2,4,5-TRICHLOROPHENOL	N.D.	2.5	-----
2-CHLORONAPHTHALENE	N.D.	2.5	-----
2-NITROANILINE	N.D.	12	-----
DIMETHYL PHTHALATE	N.D.	2.5	-----
ACENAPHTHYLENE	N.D.	2.5	-----
3-NITROANILINE	N.D.	12	-----
ACENAPHTHENE	N.D.	2.5	73%
2,4-DINITROPHENOL	N.D.	12	-----
4-NITROPHENOL	N.D.	12	-----
DIBENZOFURAN	N.D.	2.5	-----

(continued on next page)

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.
Environmental Services (SDB)

Submission #: 9501205

Project: GP/ADELINE
Project #: 3562
Client Sample ID: 6-1 S1
Method: EPA 3550/8270

Matrix: SOIL

COMPOUND NAME	Sample mg/kg	Reporting Limit mg/kg	Blank Spike Recovery
2,4-DINITROTOLUENE	N.D.	2.5	73%
2,6-DINITROTOLUENE	N.D.	2.5	-----
DIETHYL PHTHALATE	N.D.	2.5	-----
4-CHLORO-PHENYL PHENYL ETHER	N.D.	2.5	-----
FLUORENE	N.D.	2.5	-----
4-NITROANILINE	N.D.	12	-----
4,6-DINITRO-2-METHYL PHENOL	N.D.	12	-----
N-NITROSODIPHENYLAMINE	N.D.	2.5	-----
4-BROMOPHENYL PHENYL ETHER	N.D.	2.5	-----
HEXACHLOROBENZENE	N.D.	2.5	-----
PENTACHLOROPHENOL	N.D.	12	59%
PHENANTHRENE	3.9	2.5	-----
ANTHRACENE	N.D.	2.5	-----
DI-N-BUTYL PHTHALATE	N.D.	2.5	-----
FLUORANTHENE	2.9	2.5	-----
PYRENE	3.3	2.5	66%
BUTYLBENZYLPHTHALATE	N.D.	2.5	-----
3,3'-DICHLOROBENZIDINE	N.D.	5.0	-----
BENZO(A)ANTHRACENE	N.D.	2.5	-----
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	2.5	-----
CHRYSENE	N.D.	2.5	-----
DI-N-OCTYLPHTHALATE	N.D.	2.5	-----
BENZO(B)FLUORANTHENE	N.D.	2.5	-----
BENZO(K)FLUORANTHENE	N.D.	2.5	-----
BENZO(A)PYRENE	N.D.	2.5	-----
INDENO(1,2,3 C,D)PYRENE	N.D.	2.5	-----
DIBENZO(A,H)ANTHRACENE	N.D.	2.5	-----
BENZO(G,H,I)PERYLENE	N.D.	2.5	-----

ChromaLab, Inc.

Alex Tam
Analytical Chemist

Ali Kharrazi
Organic Manager

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

January 31, 1995 *Submission #:* 9501205

MCCAMPBELL ANALYTICAL, INC.
Atten: Ed Hamilton

Sampled: January 18, 1995 *Submitted:* January 24, 1995
Extracted: January 25, 1995 *Analyzed:* January 26, 1995

Project: GP/ADELINE *Method:* EPA 3550/8270
Project #: 3562 *Matrix:* SOIL
Client Sample ID: 6-2 S1 *Dilution Factor:* 1:50

COMPOUND NAME	Sample mg/kg	Reporting Limit mg/kg	Blank Spike Recovery
PHENOL	N.D.	2.5	-----
BIS(2-CHLOROETHYL) ETHER	N.D.	2.5	-----
2-CHLOROPHENOL	N.D.	2.5	68%
1,3-DICHLOROBENZENE	N.D.	2.5	-----
1,4-DICHLOROBENZENE	N.D.	2.5	-----
BENZYL ALCOHOL	N.D.	5.0	-----
1,2-DICHLOROBENZENE	N.D.	2.5	-----
2-METHYLPHENOL	N.D.	2.5	-----
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	2.5	-----
4-METHYLPHENOL	N.D.	2.5	-----
N-NITROSO-DI-N-PROPYLAMINE	N.D.	2.5	62%
HEXACHLOROETHANE	N.D.	2.5	-----
NITROBENZENE	N.D.	2.5	-----
ISOPHORONE	N.D.	2.5	-----
2-NITROPHENOL	N.D.	2.5	-----
2,4-DIMETHYLPHENOL	N.D.	2.5	-----
BENZOIC ACID	N.D.	12	-----
BIS(2-CHLOROETHOXY)METHANE	N.D.	2.5	-----
2,4-DICHLOROPHENOL	N.D.	2.5	-----
1,2,4-TRICHLOROBENZENE	N.D.	2.5	-----
NAPHTHALENE	N.D.	2.5	-----
4-CHLOROANILINE	N.D.	5.0	-----
HEXACHLOROBUTADIENE	N.D.	2.5	-----
4-CHLORO-3-METHYLPHENOL	N.D.	5.0	80%
2-METHYLNAPHTHALENE	N.D.	2.5	-----
HEXACHLOROCYCLOPENTADIENE	N.D.	2.5	-----
2,4,6-TRICHLOROPHENOL	N.D.	2.5	-----
2,4,5-TRICHLOROPHENOL	N.D.	2.5	-----
2-CHLORONAPHTHALENE	N.D.	2.5	-----
2-NITROANILINE	N.D.	12	-----
DIMETHYL PHTHALATE	N.D.	2.5	-----
ACENAPHTHYLENE	N.D.	2.5	-----
3-NITROANILINE	N.D.	12	-----
ACENAPHTHENE	N.D.	2.5	73%
2,4-DINITROPHENOL	N.D.	12	-----
4-NITROPHENOL	N.D.	12	-----
DIBENZOFURAN	N.D.	2.5	-----

(continued on next page)

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.
Environmental Services (SDB)

Submission #: 9501205

Project: GP/ADELINE
Project #: 3562
Client Sample ID: 6-2 S1
Method: EPA 3550/8270

Matrix: SOIL

COMPOUND NAME	Sample mg/kg	Reporting Limit mg/kg	Blank Spike Recovery
2,4-DINITROTOLUENE	N.D.	2.5	73%
2,6-DINITROTOLUENE	N.D.	2.5	-----
DIETHYL PHTHALATE	N.D.	2.5	-----
4-CHLORO-PHENYL PHENYL ETHER	N.D.	2.5	-----
FLUORENE	N.D.	2.5	-----
4-NITROANILINE	N.D.	12	-----
4,6-DINITRO-2-METHYL PHENOL	N.D.	12	-----
N-NITROSODIPHENYLAMINE	N.D.	2.5	-----
4-BROMOPHENYL PHENYL ETHER	N.D.	2.5	-----
HEXACHLOROBENZENE	N.D.	2.5	-----
PENTACHLOROPHENOL	N.D.	12	59%
PHENANTHRENE	N.D.	2.5	-----
ANTHRACENE	N.D.	2.5	-----
DI-N-BUTYL PHTHALATE	N.D.	2.5	-----
FLUORANTHENE	N.D.	2.5	-----
PYRENE	N.D.	2.5	66%
BUTYLBENZYLPHTHALATE	N.D.	2.5	-----
3,3'-DICHLOROBENZIDINE	N.D.	5.0	-----
BENZO(A)ANTHRACENE	N.D.	2.5	-----
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	2.5	-----
CHRYSENE	N.D.	2.5	-----
DI-N-OCTYLPHTHALATE	N.D.	2.5	-----
BENZO(B)FLUORANTHENE	N.D.	2.5	-----
BENZO(K)FLUORANTHENE	N.D.	2.5	-----
BENZO(A)PYRENE	N.D.	2.5	-----
INDENO(1,2,3 C,D)PYRENE	N.D.	2.5	-----
DIBENZO(A,H)ANTHRACENE	N.D.	2.5	-----
BENZO(G,H,I)PERYLENE	N.D.	2.5	-----

ChromaLab, Inc.

Alex Tam
Analytical Chemist

Ali Kharrazi
Organic Manager

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

January 31, 1995 — *Submission #:* 9501205

MCCAMPBELL ANALYTICAL, INC.
Atten: Ed Hamilton

Sampled: January 19, 1995
Extracted: January 25, 1995

Submitted: January 24, 1995
Analyzed: January 26, 1995

Project: GP/ADELINE
Project #: 3562
Client Sample ID: 2-4 S2

Method: EPA 3550/8270
Matrix: SOIL
Dilution Factor: None

COMPOUND NAME	Sample mg/kg	Reporting Limit mg/kg	Blank Spike Recovery
PHENOL	N.D.	0.05	-----
BIS(2-CHLOROETHYL) ETHER	N.D.	0.05	-----
2-CHLOROPHENOL	N.D.	0.05	68%
1,3-DICHLOROBENZENE	N.D.	0.05	-----
1,4-DICHLOROBENZENE	N.D.	0.05	-----
BENZYL ALCOHOL	N.D.	0.10	-----
1,2-DICHLOROBENZENE	N.D.	0.05	-----
2-METHYLPHENOL	N.D.	0.05	-----
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	-----
4-METHYLPHENOL	N.D.	0.05	-----
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	62%
HEXACHLOROETHANE	N.D.	0.05	-----
NITROBENZENE	N.D.	0.05	-----
ISOPHORONE	N.D.	0.05	-----
2-NITROPHENOL	N.D.	0.05	-----
2,4-DIMETHYLPHENOL	N.D.	0.05	-----
BENZOIC ACID	N.D.	0.25	-----
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	-----
2,4-DICHLOROPHENOL	N.D.	0.05	-----
1,2,4-TRICHLOROBENZENE	N.D.	0.05	-----
NAPHTHALENE	N.D.	0.05	-----
4-CHLOROANILINE	N.D.	0.10	-----
HEXACHLOROBUTADIENE	N.D.	0.05	-----
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	80%
2-METHYLNAPHTHALENE	N.D.	0.05	-----
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	-----
2,4,6-TRICHLOROPHENOL	N.D.	0.05	-----
2,4,5-TRICHLOROPHENOL	N.D.	0.05	-----
2-CHLORONAPHTHALENE	N.D.	0.05	-----
2-NITROANILINE	N.D.	0.25	-----
DIMETHYL PHTHALATE	N.D.	0.05	-----
ACENAPHTHYLENE	N.D.	0.05	-----
3-NITROANILINE	N.D.	0.25	-----
ACENAPHTHENE	N.D.	0.05	73%
2,4-DINITROPHENOL	N.D.	0.25	-----
4-NITROPHENOL	N.D.	0.25	-----
DIBENZOFURAN	N.D.	0.05	-----

(continued on next page)

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CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 9501205

Project: GP/ADELINE
Project #: 3562
Client Sample ID: 2-4 S2
Method: EPA 3550/8270

Matrix: SOIL

COMPOUND NAME	Sample mg/kg	Reporting Limit mg/kg	Blank Spike Recovery
2,4-DINITROTOLUENE	N.D.	0.05	73%
2,6-DINITROTOLUENE	N.D.	0.05	-----
DIETHYL PHTHALATE	N.D.	0.05	-----
4-CHLORO-PHENYL PHENYL ETHER	N.D.	0.05	-----
FLUORENE	N.D.	0.05	-----
4-NITROANILINE	N.D.	0.25	-----
4,6-DINITRO-2-METHYL PHENOL	N.D.	0.25	-----
N-NITROSODIPHENYLAMINE	N.D.	0.05	-----
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	-----
HEXACHLOROBENZENE	N.D.	0.05	-----
PENTACHLOROPHENOL	N.D.	0.25	59%
PHENANTHRENE	N.D.	0.05	-----
ANTHRACENE	N.D.	0.05	-----
DI-N-BUTYL PHTHALATE	N.D.	0.50	-----
FLUORANTHENE	N.D.	0.05	-----
PYRENE	N.D.	0.05	66%
BUTYLBENZYLPHTHALATE	N.D.	0.05	-----
3,3'-DICHLOROBENZIDINE	N.D.	0.10	-----
BENZO(A)ANTHRACENE	N.D.	0.05	-----
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	-----
CHRYSENE	N.D.	0.05	-----
DI-N-OCTYLPHTHALATE	N.D.	0.05	-----
BENZO(B)FLUORANTHENE	N.D.	0.05	-----
BENZO(K)FLUORANTHENE	N.D.	0.05	-----
BENZO(A)PYRENE	N.D.	0.05	-----
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	-----
DIBENZO(A,H)ANTHRACENE	N.D.	0.05	-----
BENZO(G,H,I)PERYLENE	N.D.	0.05	-----

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