AEI CONSULTANTS
2500 Camino Diablo, Suite 100, Walnut Creek, CA 94597
Phone: (925) 944-2899 Fax: (925) 944-2895

September 23, 2005

Mr. Jerry Wickham
Alameda Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Subject: **October 2003 Investigation Report**
807 75th Street
Oakland, CA 94621
AEI Project No. 3190

Dear Jerry:

Enclosed is copy of the October 2003 investigation report for the above referenced site.

Please call me at (925) 944-2899 ext. 122 if you have any questions.

Sincerely,

Robert F. Flory, P.G.
Senior Geologist

RO 508

November 13, 2003

SOIL & GROUNDWATER INVESTIGATION REPORT

807 - 75th Avenue
Oakland, California

Project No. 6861

Prepared For

Omega Termite Control, Inc
807 - 75th Avenue
Oakland, CA 94621

Prepared By

AEI Consultants
2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597
(925) 283-6000

AEI

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November 13, 2003

Omega Termite Control, Inc
807 - 75th Avenue
Oakland, CA 94621

Subject: **Soil & Groundwater Investigation**
807 - 75th Avenue
Oakland, California
Project No. 6861

Dear Mr. Kanady:

The following letter report describes the activities and results of the subsurface investigation performed by AEI Consultants at the above referenced property (Figure 1: Site Location Map). This investigation was carried out in response to a request by the Alameda County Health Care Services Agency (ACHCSA) for further site investigation in preparation for development of a formal Remedial Action Plan.

I Background

The site is located in an industrial area of the City of Oakland, on the northern corner of the intersection of 75th Avenue and Snell Street, just east of San Leandro Street. The property is approximately 10,000 square feet in size and currently developed with two buildings, occupied by Omega (Site Plan, Figure 2).

On September 15, 1996, AEI removed three gasoline underground storage tanks (USTs) from the subject property. The tanks consisted of one 8,000-gallon UST, one 1,000-gallon UST, and one 500-gallon UST. The former locations of the tanks are shown in Figure 2. Five soil samples and one groundwater sample collected during the tank removal activities revealed that a release had occurred from the tank system. Total petroleum hydrocarbons as gasoline (TPHg), benzene, and MTBE were detected up to 4,300 mg/kg, 13 mg/kg, and 25 mg/kg, respectively in soil samples. The excavation was not backfilled. Soil removed from the excavation was stockpiled on the northern portion of the property. In 1999 soil samples collected from the stockpiled soil contained non-detectable to minor concentrations of TPH as gasoline. Mr. Barney Chan of the ACHCSA approved the stockpiled soil for reuse in the excavation.

In October 1997, soil and groundwater samples were collected from six soil borings (BH-1 through BH-6). In June 1999, four groundwater monitoring wells (MW-1 through MW-4) were also installed by AEI. The locations of the borings and wells are shown on Figure 3. The well construction is summarized on Table 1 (Appendix A).

Under the direction of ACHCSA, additional soil was removed from the excavation in March 2000. The excavation was extended to 29 by 48 feet in size and 8 feet deep at the east end of the

excavation and 11.5 feet at the west end. During the excavation activities, an additional 500-gallon UST was discovered at the eastern end of the excavation. This tank was removed under the direction of Oakland Fire Services Agency (OFSA). Six (6) additional soil samples were collected from the sidewalls and bottom of the excavation. During backfilling of the excavation, a 4" PVC casing was installed within the backfill as well TW-5.

The resulting excavation was then backfilled with pea gravel to bridge the water table, with the remainder of the excavation being filled with the previously aerated soil and later with imported fill. The newly excavated soil was stockpiled on the northern portion of the property. A total of 7,400 gallons of hydrocarbon-impacted groundwater was pumped from the excavation, treated on-site, and discharged under EBMUD permit to the sanitary sewer system.

Historical soil and groundwater sample analytical data are presented in Table 2 and Table 3, respectively (Appendix A). Historical water table elevation data are presented in Table 3 (Appendix A).

Environmental setting

The site is located at approximately 5 feet above mean sea level (MSL). The site is flat and the regional topography slopes very gently to southwest (Figure 1). According to logs of soil borings advanced by AEI, the near surface sediments beneath the site consist generally of clayey soils. In the continuously logged borings, silty and gravelly sands were noted in the 3 to 6 feet below ground surface (bgs) range, below which stiff clays exist. Silty, sandy, and gravelly clays were noted below approximately 8 feet bgs to boring termination.

During the past 15 groundwater monitoring events, water table has been at a depth of approximately five feet bgs; however, during the February 2000 episode, the water table rose to approximately 2.5 feet bgs. Generally, water levels measurements reveal a flow direction ranging from southwest to east-southeast, with the predominant flow direction being to the southwest, which is consistent with the apparent orientation of the groundwater plume. The hydraulic gradient has generally been 10^{-3} ft/ft.

Problem Assessment

Soil and groundwater sample analytical data have revealed that a release of petroleum hydrocarbons occurred from the former USTs. Generally, the contaminants of concern are consistent with gasoline range hydrocarbons, including BTEX compounds. Locally, oil range hydrocarbons have been detected at the eastern corner of the former tank hold.

Although significant source material was removed during the excavation process, soil samples collected from the March 2000 excavation revealed that some source material might remain at the western and eastern ends of the former tank hold. Soil sample collection depths, in conjunction with water table elevations indicate that remaining source material exists below the water table. Groundwater sample analytical data since monitoring began has indicated fairly

stable concentrations of TPHg and BTEX over time; however, moderate seasonal fluctuations are evident. A significant spike in heavy range hydrocarbon concentrations was noted in well TW-5 in September 2001, with concentrations decreasing since that time. This spike corresponds approximately with final backfilling and compaction of the excavation, which may have liberated residual source material entrained in the soil matrix.

II Investigative Efforts

AEI performed a subsurface investigation at the property on October 9 and 10, 2003. Eight (8) soil borings (SB-7 through SB-14) were advanced. The locations of the borings were chosen to further assess the lateral and vertical extent of soil and groundwater contamination at the subject site. The locations of the soil borings are shown on Figure 2.

The investigation consisted advancing eight (8) temporary soil borings (labeled SB-7 through SB-14), as shown on Figure 2. The locations of borings SB-7 through SB-12 were selected to further defined extent of the dissolved phase plume. Boring SB-13 assessed the magnitude of residual source material remaining at the western end of the former tank hold and boring SB-14 assessed remaining source material at the eastern end of the former tank hold, adjacent to backfill well TW-5. In addition, SB-14 assessed the vertical extent of the release. A summary of the rationale for the boring locations is presented below.

Boring IDs	*Rationale*	*Target Depth*	*Analyses*
SB-7	Assess the up-gradient extent of the dissolved phase plume	10 –15 ft	TPHg, BTEX & MTBE
SB-8, SB-9, SB-10, & SB-11	Assess the down-gradient extent of the plume	10 –15 ft	TPHg, BTEX & MTBE
SB-12	Assess the northeasterly extent of the plume	10 –15 ft	TPHg /d/mo, BTEX & MTBE,
SB-13	Assess source area at western end of tank hold	15 ft	TPHg, BTEX & MTBE
SB-14	Assess source area at eastern end of tank hold, vertical migration investigation	40 ft	TPHg/d/mo, POG, BTEX & MTBE

Sample Collection

The borings SB-7 through SB-11 were advanced using a Geoprobe® 5400 direct-push drilling rig and boring SB-12 through SB-14 were drilled using a Geoprobe® 6600 direct-push drilling rig. Soil borings SB-7 through SB-13 were drilled to depths of approximately 15 to 20 feet bgs, as needed to collect groundwater samples from the first groundwater aquifer. Borings SB-7 through SB-13 were advanced using a single tube (Macro-Core®) sampler that collects a 1.5-inch diameter soil core in an acetate liner. Soil boring SB-14 was drilled to a depth of 30 feet bgs to allow collection of water samples from the deeper aquifer. Boring SB-14 was advanced to a refusal depth of 23-feet bgs using DT32® dual-tube sampling equipment, which collects a 2-inch diameter core inside an acetate liner. Refusal was due to the presence of stiff sticky clay with

minimal water present. Boring SB-14 was advanced from 23-feet bgs to 30-feet bgs using single tube (Macro-Core®) sampler.

Soil cores were continuously collected in 2" diameter acrylic liners, from which a six-inch sample was cut at approximately 5' intervals and just above the water table. The soil samples were sealed with Teflon tape and plastic caps. The samples were entered on the chain-of-custody form and placed in a cooler with wet ice pending transportation to the laboratory.

The cores were described by an AEI geologist using the United Soil Classification System (USCS) and standard geologic practices. Copies of the borehole logs are attached as Appendix B.

Groundwater Sample Collection

Following completion of each boring ¾-inch PVC casing was inserted into the boring. Groundwater samples were collected using a drop tube with a foot valve that is inserted to the bottom of the casing rods. The water samples were collected in 40-mL VOA vials and 1-liter amber bottles. Groundwater samples collected in VOAs were capped so that there was no headspace or visible air bubbles within the vials. All water samples were labeled with at minimum project number, sample number, samplers name, time, and date of collection. The samples were entered on the chain-of-custody form and placed in a cooler with wet ice pending transportation to the laboratory.

Following sample collection, the temporary PVC casings were removed and each boring was backfilled with neat cement grout.

Laboratory Analysis

On October 9 and 10, 2003, soil and groundwater samples collected during each day were transported to McCampell Laboratories (Department of Health Services Certification # 1644) under chain-of-custody protocol for analysis. Analytical results and chain of custody documents are included as Attachment B.

One soil sample and one groundwater sample were selected for analysis from borings SB-7 through SB-14. A water sample was collected only from the deeper aquifer in boring SB-14, as the shallow aquifer did not yield water.

All samples selected for analysis were analyzed for TPH as gasoline, BTEX and MTBE by EPA method 8015M/8021. The samples from borings SB-12 and SB-14 were also analyzed for TPH as diesel and TPH as motor oil by EPA method 8015M.

Following receipt of analytical results an analysis for petroleum oil and grease was requested on water sample SB14-W-30. This sample contained a high level of TPHd. The laboratory reported a dilution factor of 100 (a detection level of 25,000 µg/L for TPHmo) that might mask the presence of low oil range hydrocarbons. Copies of the laboratory reports are attached as Appendix C

III Findings

The near surface native soil encountered during the boring advancement consisted of primarily of stiff tacky clay with some Interbedded silt, sand and gravel layers. Refer to Attachment A for detailed logs of the borings.

No hydrocarbons were detected in soil or groundwater samples from borings SB-7, SB-9, SB-10 and SB-11. No MTBE was detected in any of the soil samples analyzed.

No hydrocarbons were detected in soil sample SB8-15, however moderate to low levels of TPHg, BTEX and MTBE were detected in groundwater sample SB8-W-20 from that boring.

No TPHg, TPHd, TPHmo, or BTEX were detected in soil sample SB12-15, however low levels of benzene, ethyl benzene and xylenes were detected. No TPHg, BTEX or MTBE were detected in water sample SB12-W-15, however low levels of TPHd and TPHmo range hydrocarbons were reported

No TPHg was detected in soil sample SB13-14, however low levels of benzene, ethyl benzene and xylenes were reported. The groundwater sample from boring SB-13 contained low levels of TPHg and BTEX. No MTBE was detected in groundwater from SB-13.

TPHg was present in the samples from boring SB-14 at levels ranging from 37 mg/kg to 800 mg/kg. TPHd was reported at levels ranging from 45 mg/kg to 240 mg/kg. 8.2 mg/kg of TPHmo was reported in sample SB14-9.5, which contained the highest levels of both TPHg and TPHd reported. Low levels of BTEX were reported in SB14-4.5 and SB14-9.5. No benzene, or toluene were reported in sample SB14-28, but low levels of ethyl benzene and xylenes were reported.

Significant levels of TPHg, TPHd, BTEX and MTBE were detected in the groundwater sample from the lower aquifer sample SB14-W-30. Light non-aqueous phase liquids (LNAPL) were observed both in the field and by the laboratory.

Soil sample analytical data is summarized in Table 1, and groundwater sample analytical data is summarized in Table 3. The distribution of soil contaminants reported from the current investigation is shown on Figure 3 and the distribution of contaminants detected in the groundwater is shown on Figure 3.

IV Conclusions

The results of chemical analyses of soil samples collected and analyzed during this investigation and earlier investigations have effectively defined the limits of impacted soil. Highly impacted soil appears to have been removed from the site except in the immediate vicinity of boring SB-14. The limits of soil contamination in the soil below the upper aquifer have not been defined.

The limits of impacted groundwater in the shallow aquifer have been delineated to north by boring SB-7, to the west by boring SB-9, to the south by borings SB-10 and SB-11. Boring SB-12 defines the eastern limit for TPHg/BTEX compounds. The limits for TPHd and TPHmo lie within the TPHg limit except to the east, where SB-12 contains low levels of TPHd and TPHmo.

Soil boring SB-14 found significant high levels of fuel hydrocarbons in the second aquifer at a depth of 28 feet bgs. The limits of impact in this aquifer have not been identified.

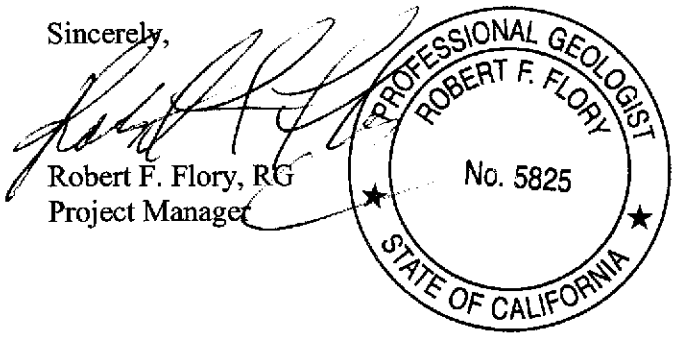
V Report Limitation

This report presents a summary of work completed by AEI Consultants. The completed work includes observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide the required information, but it cannot be assumed that they are representative of areas not sampled. All conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document.

These services were performed in accordance with generally accepted practices, in the environmental engineering and construction field, which existed at the time and location of the work.

If you have any questions regarding our investigation, please do not hesitate to contact me at (925) 283-6000 ext. 122.

Sincerely,



Robert F. Flory, RG
Project Manager

Peter J. McIntyre
Program Manager

Figures

Figure 1: Site Map
Figure 2: Site Plan
Figure 3: Soil Sample Analytical Data
Figure 4: Groundwater Sample Analytical Data

Appendix A Tables

Table 1: Well Construction details
Table 2: Soil Sample Analytical Data
Table 3 Groundwater Sample Analytical Data

Appendix B

Soil Boring Logs

Appendix C

Sample Analytical Documentation

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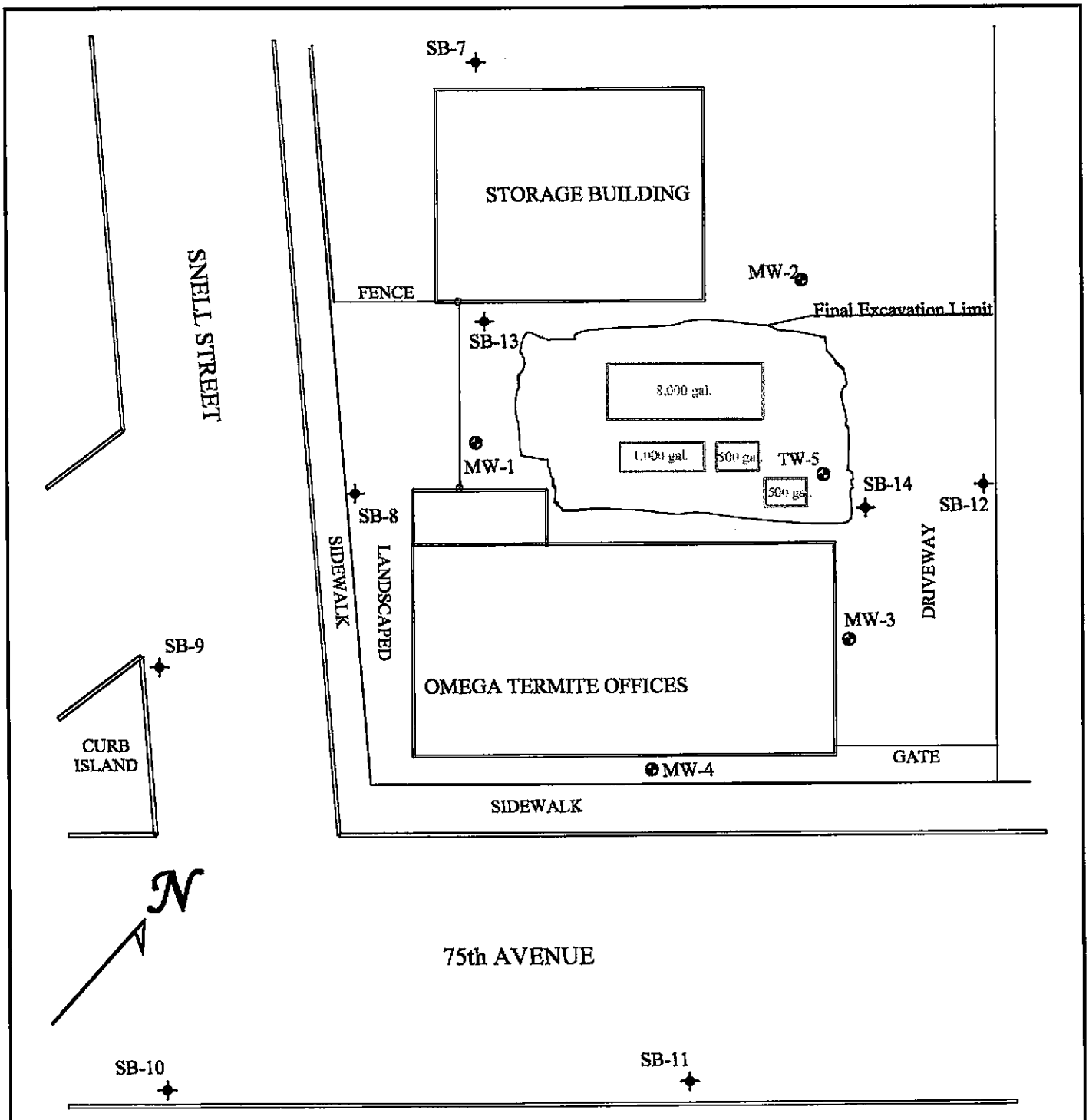
AEI CONSULTANTS 2500 Camino Diablo, Suite 100, Walnut Creek, CA	
SITE LOCATION MAP	
807 75th AVENUE OAKLAND, CALIFORNIA	**FIGURE 1** PROJECT NO. 6861



LEGEND

0' 10' 20'

SCALE: 1in = 20 ft

Draft: R Flory 10/29/03

BORING LOCATIONS

MONITORING WELL LOCATIONS

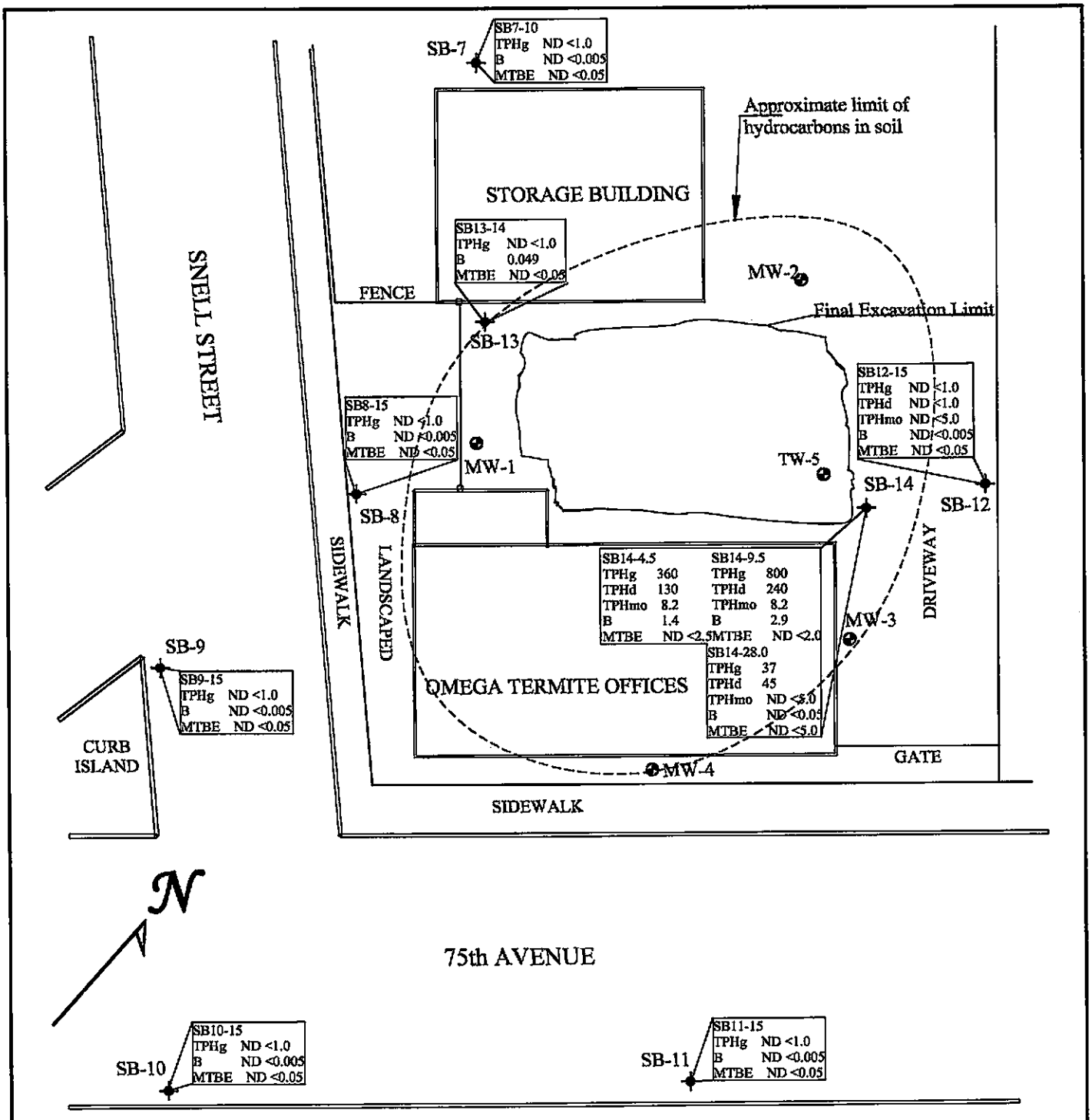
AEI CONSULTANTS

2500 CAMINO DIABLO, STE. 200, WALNUT CREEK, CA

SITE MAP

807 75th AVENUE
OAKLAND, CALIFORNIA

FIGURE
2
Project No. 6861



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0' 10' 20'

SCALE: 1in = 20 ft

Draft: R Flory 10/29/03

MONITORING WELL LOCATIONS

BORING LOCATIONS

SB11-15 Sample number
TPHg Total petroleum hydrocarbons as gasoline mg/kg
TPHd Total petroleum hydrocarbons as diesel mg/kg
TPHmo Total petroleum hydrocarbons as motor mg/kg
B Benzene mg/kg
MTBE Methyl - tert-butyl ether mg/kg

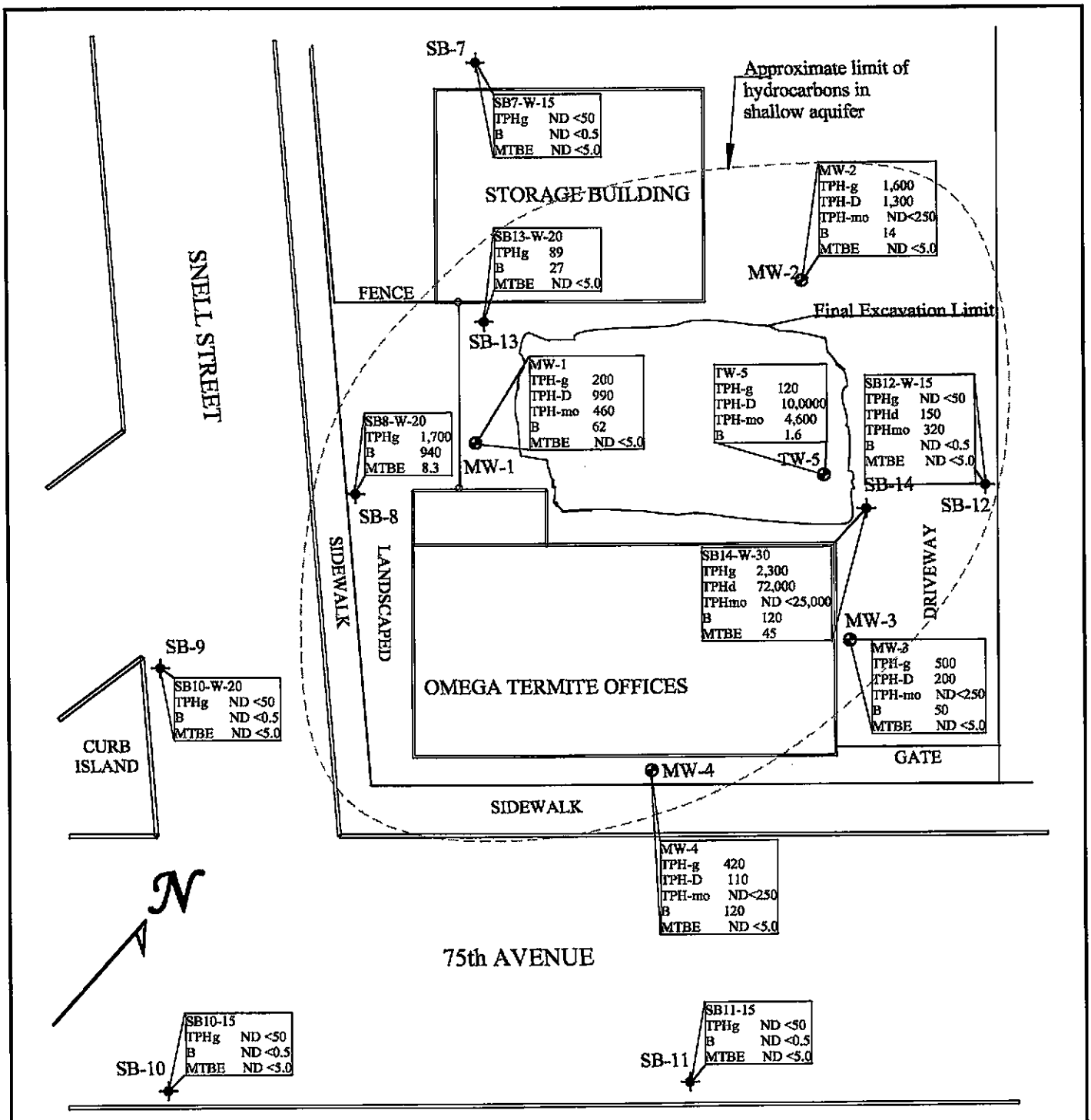
AEI CONSULTANTS

2500 CAMINO DIABLO, STE. 200, WALNUT CREEK, CA

SOIL ANALYTICAL DATA

807 75th AVENUE
OAKLAND, CALIFORNIA

FIGURE
3
Project No. 6861



LEGEND

0' 10' 20'

SCALE: 1in = 20 ft

Draft: R Flory 10/29/03

MONITORING WELL LOCATIONS

BORING LOCATIONS

SB11-W-15	Sample number/well number
TPHg	Total petroleum hydrocarbons as gasoline ug/L
TPHd	Total petroleum hydrocarbons as diesel ug/L
TPHmo	Total petroleum hydrocarbons as motor ug/L
B	Benzene ug/L
MTBE	Methyl - tert-butyl ether ug/L

AEI CONSULTANTS

2500 CAMINO DIABLO, STE. 200, WALNUT CREEK, CA

GROUNDWATER ANALYTICAL DATA

807 75th AVENUE
OAKLAND, CALIFORNIA

FIGURE
4
Project No. 6861

Table 1 Well Construction Details, Omega Termite, 807 75th Ave., Oakland, CA

Well ID	Date Installed	Top of Casing (feet)	Water Depth 10/14/03	Casing Material	Total Depth (feet)	Well Depth (feet)	Borehole Diameter (inches)	Casing Diameter (inches)	Screened Interval (feet)	Slot Size (inches)	Filter Pack Interval (feet)	Filter Pack Material (feet)	Bentonite Seal (feet)	Grout Seal (feet)
MW-1	06/25/99	5.00	5.03	PVC	20	20	8 1/4	2	20.0-5.0	0.02	0.5-4.5	#3 sand	4.5-3.5	3.5-0.5
MW-2	06/25/99	5.95	6.43	PVC	20	20	8 1/4	2	20.0-5.0	0.02	0.5-4.5	#3 sand	4.5-3.5	3.5-0.5
MW-3	06/25/99	4.66	5.16	PVC	20	20	8 1/4	2	20.0-5.0	0.02	0.5-4.5	#3 sand	4.5-3.5	3.5-0.5
MW-4	06/25/99	4.59	5.25	PVC	20	20	8 1/4	2	20.0-5.0	0.02	0.5-4.5	#3 sand	4.5-3.5	3.5-0.5
TW-5	Mar. 2000	NS	6.08	PVC	10	10	NA	4	10.0-5.0	drilled	NA	NA	NA	2.0

Table 2 Historical soil data, Omega Termite, 807 - 75th Street, Oakland, CA

Sample ID	Date	TPHg mg/kg	TPHd mg/kg	TPHmo mg/kg	MTBE mg/kg	Benzene mg/kg	Toluene mg/kg	Ethyl-benzene mg/kg	Xylenes mg/kg	Lead *EPA 6010* mg/kg
SB7-10	10/09/03	ND<1.0	---	---	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	---
SB8-15	10/09/03	ND<1.0	---	---	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	---
SB9-15	10/09/03	ND<1.0	---	---	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	---
SB10-15	10/09/03	ND<1.0	---	---	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	---
SB11-15	10/09/03	ND<1.0	ND<1.0	---	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	---
SB12-15	10/10/03	ND<1.0	ND<1.0	ND <5.0	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	---
SB13-14	10/10/03	ND<1.0	--	--	ND<0.05	**0.049**	ND<0.005	**0.014**	**0.019**	---
SB14-4.5	10/10/03	**360**	**130**[1,2]	ND <5.0	ND<2.5	**1.4**	**1.5**	**8.0**	**37**	---
SB14-9.5	10/10/03	**800**	**240**[1,2]	**8.2**	ND<2.0	**2.9**	**3.5**	**16**	**71**	---
SB14-28.0	10/10/03	**37**[3,4]	**45**[5]	ND <5.0	ND<0.05	ND<0.005	ND<0.005	**0.015**	**0.11**	---
AEI SW South 8'	3/20/00	290	---	---	ND<0.5	0.84	2.0	6.3	1.3	9.1
AEI SW North 8'	3/20/00	1.8	---	---	ND<0.05	ND<0.005	ND<0.005	0.007	0.008	7.3
AEI SW East 8'	3/20/00	1800	---	---	ND<5.0	12	65	32	160	7.4
AEI EB 7'	3/20/00	560	220	100	ND<1.0	0.59	4.9	7.3	40	7.5
AEI EB West 11.5'	3/20/00	280	---	---	ND<0.21	2.7	6.6	5.2	23	5.9
MW-1 10'	6/25/99	<1.0	---	---	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	6.4
MW-1 15'	6/25/99	3.4	---	---	ND<0.05	0.092	0.022	0.054	0.14	4.8
MW-2 10'	6/25/99	420	---	---	<2	ND<0.1	2.7	4.8	8.2	6.6
MW-2 15'	6/25/99	<1.0	---	---	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	6.9
MW-3 10'	6/25/99	14	---	---	ND<0.05	0.3	0.091	0.29	0.28	6.6
MW-3 15'	6/25/99	<1.0	---	---	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	8.5
MW-4 10'	6/25/99	3.6	---	---	ND<0.05	0.71	ND<0.005	0.19	ND<0.005	6.6
MW-4 15'	6/25/99	<1.0	---	---	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	8.5
BH-1 10'	1/31/97	4.1	---	---	ND<5.0	0.078	0.009	0.11	0.17	5.6
BH-2 10'	1/31/97	23	---	---	0.13	0.46	0.05	0.089	0.061	7.7
BH-3 10'	1/31/97	280	---	---	1.8	3.2	3.0	3.8	12	6.6
BH-4 10'	1/31/97	4.6	---	---	ND<5.0	0.03	0.025	0.36	0.46	7.8
BH-5 10'	1/31/97	800	---	---	5.0	4.3	23	15	65	6.7
BH-6 10'	1/31/97	110	---	---	0.53	3.0	0.25	0.95	0.53	5.6
8KEW (10')	9/15/96	64	---	---	0.16	1.8	1.2	1.4	2.9	11
8KWW (10')	9/15/96	2600	---	---	25	2.8	15	37	120	24
8KNWW (10')	9/15/96	360	---	---	2.5	2.5	0.83	8.5	2.4	110
1KE (9')	9/15/96	41	---	---	ND<0.1	0.077	0.99	0.86	4.7	8.5
K (9')	9/15/96	4300	---	---	ND<10	13	83	71	310	9.8

TPHg	Total petroleum hydrocarbons as gasoline	1	diesel range compounds are significant, no recognizeable pattern
TPHd	Total petroleum hydrocarbons as diesel	2	gasoline range compounds are significant
TPHmo	Total petroleum hydrocarbons as motor oil	3	strongly aged gasoline or diesel range are significant
MTBE	methyl tert-butyl ether	4	no recognizable pattern
---	Sample not analyzed by this method	5	kerosene/kerosene range

Table 3 Historical Groundwater Sample Data, Omega Termite, 807 - 75th Street, Oakland, CA

Sample ID	Sample Collection Date	Top of casing	Water depth	GW elevation	TPHg µg/L	TPHd µg/L	TPHmo µg/L	MTBE µg/L	Benzene µg/L	Toluene µg/L	Ethyl benzene µg/L	Xylenes µg/L
SB7-W-15	10/09/03	---	---	---	ND <50	--	--	ND <5.0	ND <0.5	ND <0.5	ND <0.5	ND <0.5
SB8-W-20	10/09/03	---	---	---	1,700	--	--	8.3	940	2.7	0.58	2.2
SB9-W-20	10/09/03	---	---	---	ND <50	--	--	ND <5.0	ND <0.5	ND <0.5	ND <0.5	ND <0.5
SB10-W-15	10/09/03	---	---	---	ND <50	--	--	ND <5.0	ND <0.5	ND <0.5	ND <0.5	ND <0.5
SB11-W-15	10/09/03	---	---	---	ND <50	--	--	ND <5.0	ND <0.5	ND <0.5	ND <0.5	ND <0.5
SB12-W-15	10/09/03	---	---	---	ND <50	150	320	ND <5.0	ND <0.5	ND <0.5	ND <0.5	ND <0.5
SB13-W-20	10/10/03	---	---	---	89[1]	--	--	ND <5.0	27	0.53	2.4	6.2
SB14-W-30	10/10/03	---	---	---	2,300[1]	72,000	ND <5	45	120	7.8	35	100
MW-1	07/30/99	5.00	5.82	-0.82	2,700	---	---	ND<10	920	5.5	18	130
	11/09/99	5.00	5.70	-0.70	1,800	---	---	ND<20	430	1.5	26	60
	02/23/00	5.00	2.84	2.16	3,800	---	---	ND<10	1,500	56	78	35
	05/26/00	5.00	5.50	-0.50	7,100	---	---	ND<10	2,800	70	220	81
	10/10/00	5.00	5.70	-0.70	980	---	---	ND<5.0	260	2.9	10	11
	02/07/01	5.00	5.25	-0.25	570	---	---	ND<5.0	150	1.8	4.9	9.3
	05/25/01	5.00	5.25	-0.25	18,000	---	---	ND<100	3,800	350	550	620
	09/19/01	5.00	5.51	-0.51	840	---	---	ND<5.0	190	4.0	4.6	5.3
	02/06/02	NS	NS	NS	---	---	---	---	---	---	---	---
	05/17/02	5.00	5.30	-0.30	13,000	920	---	ND<50/<5.0[1]	4,500	29	50	58
	08/20/02	5.00	5.39	-0.39	2,100	740	ND<5000[2]	ND<15	820	4.5	6.4	9.6
	01/10/03	5.00	4.11	0.89	95	260	ND<5000[2]	ND<5.0	23	0.66	3.9	6.5
	04/14/03	5.00	4.85	0.15	340	310	---	ND<5.0	87	1.3	4.3	5.6
	07/14/03	5.00	5.08	-0.08	750	700	---	ND<10	420	0.84	3.7	6.0
	10/14/03	5.00	5.63	-0.63	200	990[3]	460.0	ND<5.0	62	0.83	2.2	2.7
MW-2	07/30/99	5.95	6.64	-0.69	1,200	---	---	ND<10	29	2.5	51	100
	11/09/99	5.95	6.42	-0.47	1,300	---	---	ND<30	26	1.1	55	32
	02/23/00	5.95	3.31	2.64	5,000	---	---	ND<10	200	18	390	440
	05/26/00	5.95	6.34	-0.39	2,700	---	---	ND<10	69	13	83	68
	10/10/00	5.95	6.52	-0.57	810	---	---	ND<10	17	4.7	42	46
	02/07/01	5.95	5.90	0.05	2,600	---	---	ND<10	70	15	80	100
	05/25/01	5.95	6.08	-0.13	2,400	---	---	ND<5.0	75	16	85	100
	09/19/01	5.95	6.53	-0.58	1,200	---	---	ND<5.0	10	8.5	46	55
	02/06/02	5.95	5.72	0.23	1,800	---	---	ND<50	14	11	58	59
	05/17/02	5.95	6.17	-0.22	2,000	860	---	ND<20/8.1[1]	19	1.1	0.75	88
	08/20/02	5.95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/10/03	5.95	5.12	0.83	2,000	910	ND<5000[2]	ND<50	11	11	96	100
	04/14/03	5.95	4.98	0.97	2,400	800	-	ND<10	16	10	100	73
	07/14/03	5.95	5.99	-0.04	1,900	970	-	ND<15	18	4.8	79	78
	10/14/03	5.95	6.43	-0.48	1600[4,5]	1,300	ND<250	ND<10	14	5.9	87	78

Table 3 Historical Groundwater Sample Data, Omega Termite, 807 - 75th Street, Oakland, CA

Sample ID	Sample Collection Date	Top of casing	Water depth	GW elevation	TPHg µg/L	TPHd µg/L	TPHmo µg/L	MTBE µg/L	Benzene µg/L	Toluene µg/L	Ethyl benzene µg/L	Xylenes µg/L
MW-3	07/30/99	4.66	5.35	-0.69	2,700	---	---	ND<10	220	15	130	230
	11/09/99	4.66	5.11	-0.45	3,100	---	---	15	440	8.8	150	96
	02/23/00	4.66	2.37	2.29	1,800	---	---	ND<15	180	11	82	79
	05/26/00	4.66	4.98	-0.32	1,600	---	---	6.4	140	10	69	63
	10/10/00	4.66	5.24	-0.58	1,100	---	---	ND<10	110	4.4	63	51
	02/07/01	4.66	4.73	-0.07	1,100	---	---	ND<10	130	5.1	68	65
	05/25/01	4.66	4.73	-0.07	1,200	---	---	ND<6.0	120	5.4	69	64
	09/19/01	4.66	5.07	-0.41	800	---	---	<5.0	78	3.5	52	37
	02/06/02	4.66	4.69	-0.03	1,100	---	---	ND<10	130	4.7	77	71
	05/17/02	4.66	4.80	-0.14	2,800	810	---	ND<50/2.0[1]	410	23	160	210
	08/20/02	4.66	4.97	-0.31	780	270	ND<5000[2]	ND<10	110	2.8	63	41
	01/10/03	4.66	3.59	1.07	1,100	510	ND<5000[2]	ND<20	160	3.4	98	84
	04/14/03	4.66	5.40	-0.74	690	230	-	ND<5.0	60	2.3	44	34
	07/14/03	4.66	4.69	-0.03	900	380	-	ND<5.0	130	2.0	70	43
	10/14/03	4.66	5.16	-0.50	500	200[4,3]	ND<250	ND<10	50	2.3	37	18
MW-4	07/30/99	4.59	5.45	-0.86	340	---	---	ND<10	57	2.2	8.5	6.8
	11/09/99	4.59	5.31	-0.72	1,000	---	---	ND<10	220	<0.5	17	7.1
	02/23/00	4.59	2.72	1.87	980	---	---	ND<5.0	260	7	33	27
	05/26/00	4.59	5.07	-0.48	760	---	---	5.7	170	4.8	22	13
	10/10/00	4.59	5.32	-0.73	520	---	---	ND<10	130	2.3	22	10
	02/07/01	4.59	4.73	-0.14	680	---	---	ND<8.0	180	3.7	29	21
	05/25/01	4.59	4.90	-0.31	1,700	---	---	ND<10	510	9.6	44	46
	09/19/01	4.59	5.16	-0.57	680	---	---	ND<10	200	2.6	33	12
	02/06/02	4.59	4.65	-0.06	710	---	---	ND<15	220	2.8	40	21
	05/17/02	4.59	4.90	-0.31	1,300	190	---	ND<5.0/3.3[1]	330	5.6	61	51
	08/20/02	4.59	5.02	-0.43	580	120	ND<5000[2]	ND<5.0	160	1.7	34	13
	01/10/03	4.59	3.78	0.81	800	85	ND<5000[2]	ND<20	240	2.5	46	28
	04/14/03	4.59	4.11	0.48	850	120	---	ND<10	220	2.7	47	26
	07/14/03	4.59	4.75	-0.16	780	170	---	ND<20	220	1.4	44	23
	10/14/03	4.59	5.25	-0.66	420	110[4,3]	ND<250	ND<5.0	120	0.95	31	8.2
TW-5	10/10/00	---	---	---	5,800	2,900	ND<250	ND<50	650	60	190	230
	02/07/01	---	---	---	720	650	450	ND<5.0	6.0	4.5	3.2	4.5
	05/25/01	---	---	---	370	420	ND<250	ND<5.0	13.0	4.1	1.6	1.3
	09/19/01	ns	6.59	na	15,000	2,700,000	1,100,000	530	29	2.7	14	240
	02/06/02	---	---	---	280	55,000	18,000	ND<5.0	2.3	0.74	ND<0.5	0.70
	05/17/02	ns	6.56	na	480	41,000	---	ND<5.0/<5.0[1]	1.6	1.1	0.8	ND<0.5
	08/20/02	ns	6.62	na	240	21,000	ND<5000[2]	ND<5.0	8.0	1.2	1.1	0.54
	01/10/03	ns	4.66	na	ND<50	1,300	ND<5000[2]	ND<5.0	5.4	0.58	ND<0.5	1.10
	4/14/2003	ns	5.30	na	160	2,300	---	ND<5.0	18	5.7	5.9	16
	7/14/2003	ns	5.84	na	100	16,000	---	ND<5.0	1.2	0.77	0.63	1.2
	10/14/03	ns	6.08	na	120[v]	10,000[v]	4600	ND<5.0	1.6	1.6	ND<0.5	1.2

Table 3 Historical Groundwater Sample Data, Omega Termite, 807 - 75th Street, Oakland, CA

Sample ID	Sample Collection Date	Top of casing	Water depth	GW elevation	TPHg µg/L	TPHd µg/L	TPHmo µg/L	MTBE µg/L	Benzene µg/L	Toluene µg/L	Ethyl benzene µg/L	Xylenes µg/L
BH-1	1/31/97	---	---	---	13,000	--	--	<60	770	67	530	1,800
BH-4	1/31/97	---	---	---	25,000	--	--	<50	1,300	110	1,200	2,400
BH-6	1/31/97	---	---	---	27,000	--	--	230	5,000	410	1,100	2,400
GW	9/15/96	---	---	---	4,800	--	--	<130	4,100	3,500	21,000	6,400

Notes

µg/L	micrograms per liter (parts per billion)
---	not sampled
ND	not detected
TPH-g	total petroleum hydrocarbons as gasoline
TPH-d	total petroleum hydrocarbons as diesel
TPH-mo	total petroleum hydrocarbons as motor oil

1	MTBE concentrations by methods 8021B/8260B
2	analysis for total oil and grease by method 5520
3	fuel oil
4	diesel range compounds are significant; no recognizable patt
5	gasoline range compounds are significant
6	lighter than water immiscible sheen/product is present
7	analysis by EPA method 5520

Project No: 6861

Sheet: 1 of 1

Project Name: Omega Termite

Client: Omega Termite

Location: 807 - 75th Ave, Oakland, CA

Log of Geoprobe Corehole: SB7

Depth	Sample Label	Soil Symbol	Ground Surface	Boring Destruction Data	Remarks
0			Ground Surface		
			Sandy Gravel - FILL yellowish brown 10YR 5/5, clayey, loose, dry		
2			***Gravelly Clay*** yellowish brown 10YR 5/5, clayey, loose, dry		Boring sealed with neat cement
4	SB7-5		***Silty Clay*** black N 2.5/ - very dark grayish green 5G 2.5/2, hard, very slightly moist		
6					standing water 7.5 ft.
8					
10	SB7-10		***Clayey Sand*** pale brown - yellowish brown 10Y 6/3-5/8 mottled, firm, moist		
12			***Clayey Silt*** light olive brown 2.5Y 5/4, very clayey, firm, moist		
14	SB7-15		***Silty Clay*** olive brown 2.5Y 4/4 - olive 5Y 4/4 mottled, firm, moist		water sample SB7-W-15
16			End of Borehole		
18					
20					
22					
24					
26					
28					
30					
32					

Drill Date: 10/10/03

Drill Method: Geoprobe

Total Depth: 20

Depth to Water: 15.0 +

Reviewed by: JKR

Logged by: RFF

AEI Consultants
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Walnut Creek, CA 94597
(925) 283-6000

Project No: 6861

Sheet: 1 of 1

Project Name: Omega Termite

Client: Omega Termite

Location: 607 - 75th Ave, Oakland, CA

Log of Geoprobe Corehole: SB8

Depth	Sample Label	Soil Symbol	Ground Surface	Boring Destruction Data	Remarks
0			Ground Surface		
0			***Silty Clay - Clayey Silt - FILL?*** yellow brown 10YR 6/6, gravelly, rocks, firm, slightly moist		
2					Boring sealed with neat cement
4	SB8-5		***Silty clay*** light olive brown 2.5Y 5/4 Core jammed in sampler not recovered, clay is sticky, jaming sleeve accordian like into top of sampler		
6					
8			***Silty Clay*** light olive brown - olive brown 2.5Y 5/4-4/4 -yellowish brown 10YR 5/8 mottled, firm, moist		
10	SB8-10				
12			***Silty Clay - Clayey Silt*** light yellowish brown 2.5 Y 6/4 - 10YR 6/4 w/s olive - pale olive 5Y 6/4-5/4 mottling, firm, moist		water 12.0 ft. not stablized
14	SB8-15				water sample SB8-W-15
16			End of Borehole		
18					
20					
22					
24					
26					
28					
30					
32					

Drill Date: 10/9/03

Drill Method: Geoprobe

Total Depth: 15

Depth to Water: 12.0 -

Reviewed by: JKR

Logged by: RFF

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Project No: 6861

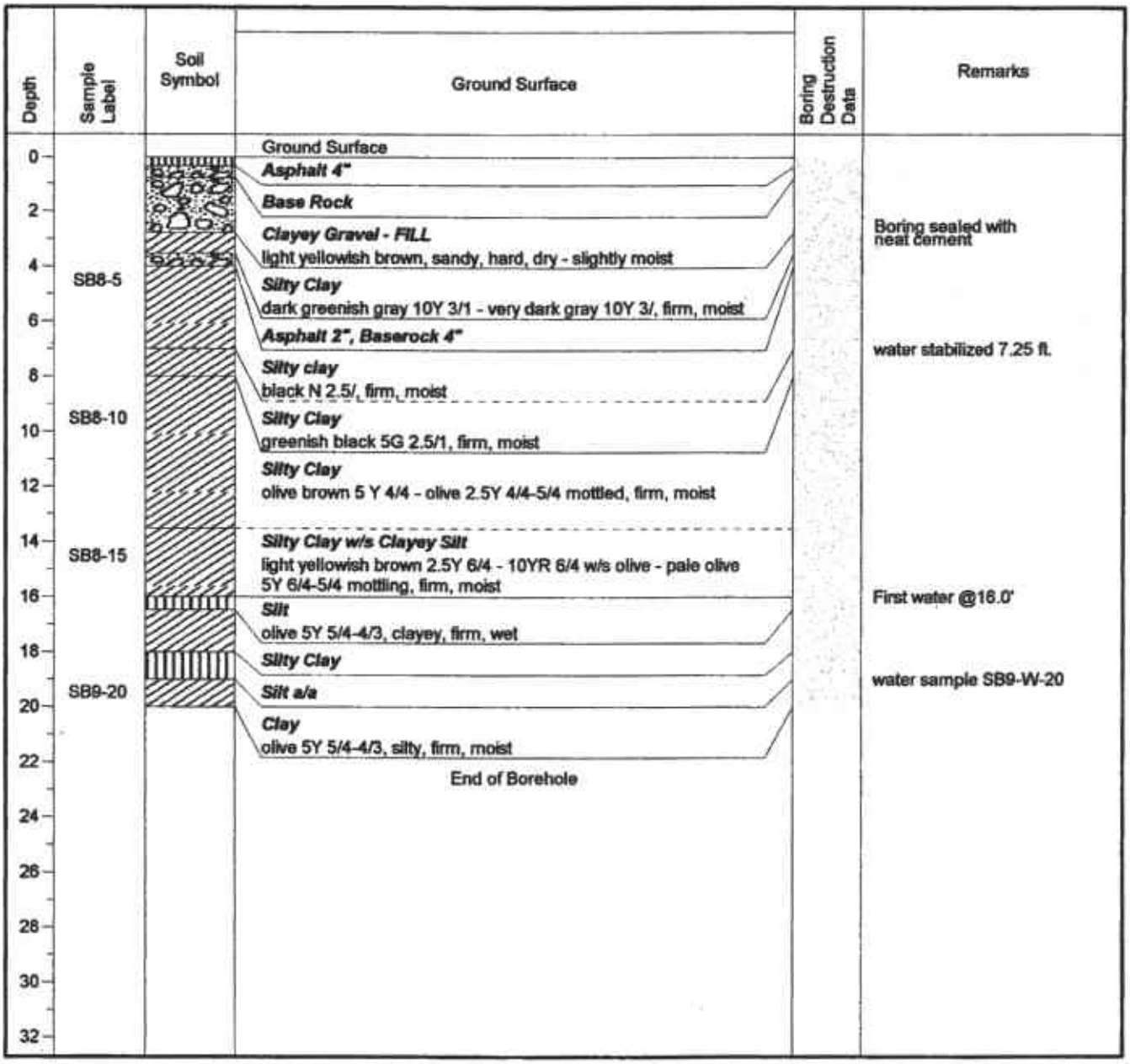
Sheet: 1 of 1

Project Name: Omega Termite

Client: Omega Termite

Location: 807 - 75th Ave, Oakland, CA

Log of Geoprobe Corehole: SB9



Drill Date: 10/9/03

Drill Method: Geoprobe

Total Depth: 20

Depth to Water: 16.0

Reviewed by: JKR

Logged by: RFF

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Project No: 6861

Sheet: 1 of 1

Project Name: Omega Termite

Client: Omega Termite

Location: 807 - 75th Ave, Oakland, CA

Log of Geoprobe Corehole: SB10

Depth	Sample Label	Soil Symbol	Ground Surface	Boring Destruction Data	Remarks
0			Ground Surface		
			Asphalt 4"		
2			***Base rock - FILL***		
			Sandy Gravel - FILL dark grayish brown 10YR 4/2, clayey, rocks, hard, very slightly moist		Boring sealed with neat cement
4					
6			***Silty Clay*** black N 2.5/, firm, moist		water stabilized @ 6.65
8					
10	SB10-10		greenish black 10Y 2.5/1 at base		
			Silty Clay dark olive gray 5Y 3/2, locally gravelly, firm, moist		
12			***Silty Clay*** olive - olive gray 5Y 5/4-5/2 - yellowish brown 10Y 5/8, firm, moist		First water @14.5
14	SB10-15				water sample SB10-W-15
16			***Clayey Sand*** greenish gray 5G 6/1 - olive - pale olive 5Y 5/3-6/3, silty, shell fragments, firm, very moist		
18			***Gravel*** olive brown 2.5Y 4/4 - dark yellowish brown 10YR 4/6, silty clayey, firm, wet		
20			End of Borehole		
22					
24					
26					
28					
30					
32					

Drill Date: 10/9/03

Drill Method: Geoprobe

Total Depth: 15

Depth to Water: 14.5

Reviewed by: JKR

Logged by: RFF

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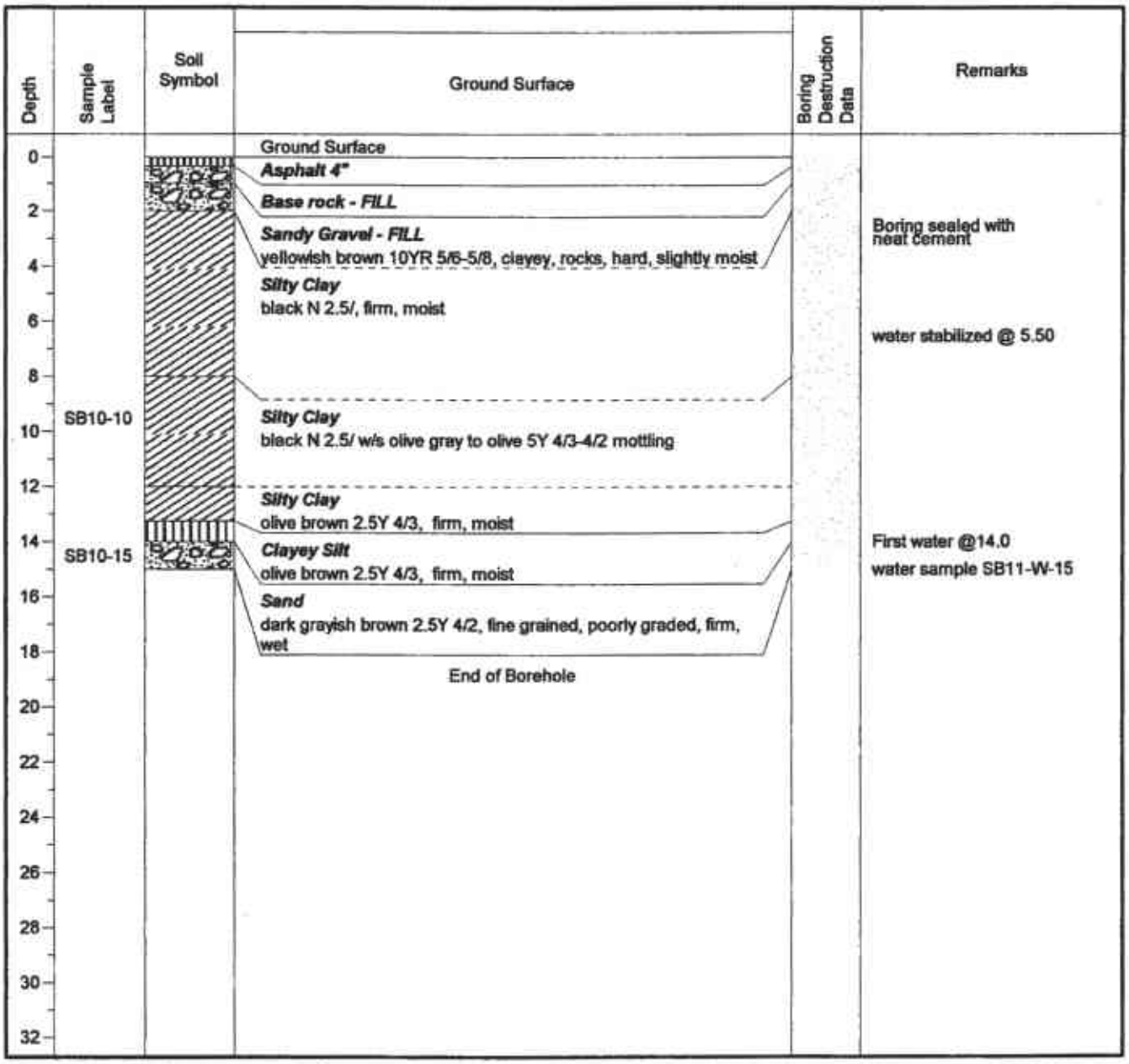
Project No: 6861

Project Name: Omega Termite

Client: Omega Termite

Location: 807 - 75th Ave, Oakland, CA

Log of Geoprobe Corehole: SB11



Drill Date: 10/9/03

Drill Method: Geoprobe

Total Depth: 15

Depth to Water: 14.5

Reviewed by: JKR

Logged by: RFF

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Project No: 6861

Sheet: 1 of 1

Project Name: Omega Termite

Client: Omega Termite

Location: 807 - 75th Ave, Oakland, CA

Log of Geoprobe Corehole: SB12

Depth	Sample Label	Soil Symbol	Ground Surface	Boring Destruction Data	Remarks
0			Ground Surface		
			Sandy Gravel yellowish brown 10YR 5/5, clayey, loose dry		
2			***Silty Clay*** dark grayish brown 10YR 3/2 - dark brown 7.5YR 3/2, firm moist		Boring sealed with neat cement
4	SB12-5		***Silty Clay*** black N 2.5/, hard, very slightly moist		
6					standing water 8.5 ft.
			Silty Clay strong brown 7.5 YR 4/6 - dark olive gray 10YR 3/2		
8			***Silty Clay*** yellowish brown 10YR 4/6 - greenish gray 10GY 5/1 mottled, firm, moist		
10	SB12-10				first water @ 6.5 ft.
			Clayey Sand dark yellowish brown - yellowish brown 10YR 4/6-5/8, firm, moist		
12			***Sand, slightly clayey***		
14	SB12-15		***Clayey Sand, as above***		water sample SB12-W-15
			Clay light yellowish brown - yellowish brown 10YR 6/4-5/6, moist		
16			End of Borehole		
18					
20					
22					
24					
26					
28					
30					
32					

Drill Date: 10/10/03

Drill Method: Geoprobe

Total Depth: 15

Depth to Water: 10.5

Reviewed by: JKR

Logged by: RFF

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Project No: 6861

Sheet: 1 of 1

Project Name: Omega Termite

Client: Omega Termite

Location: 807 - 75th Ave, Oakland, CA

Log of Geoprobe Corehole: SB13

Depth	Sample Label	Soil Symbol	Ground Surface	Boring Destruction Data	Remarks
0			Ground Surface		
			Sandy Gravel - FILL yellowish brown 10YR 5/5, clayey, loose dry		
2			***Silty Clay*** very dark bluish gray 5PB 2.5/, hard, very slightly moist		Boring sealed with neat cement
4	SB13-5		***Silty Clay*** black N 2.5/ - very dark grayish green 5G 2.5/2, hard, very slightly moist		
6					
8			***Silty Sand*** dark green gray 10Y 4/1 - olive 5Y 4/4 - yellowish brown 10YR 5/8 mottled, clayey, firm, moist		
10	SB13-10				
12			***Silty Clay*** olive brown 2.5Y 4/4 - olive 5Y 4/4 mottled, firm, moist		
14	SB13-15		***Clayey Silt*** light olive brown 2.5Y 5/4, very clayey, firm, moist		
16			***Silty clay*** light olive brown 2.5Y 5/4 Core jammed in sampler not recovered, clay is sticky, jaming sleeve accordian like into top of sampler		standing water 16.20 ft.
18					water sample SB13-W-20
20			End of Borehole		
22					
24					
26					
28					
30					
32					

Drill Date: 10/10/03

Drill Method: Geoprobe

Total Depth: 20

Depth to Water: 15.0 +

Reviewed by: JKR

Logged by: RFF

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Project No: 6861

Sheet: 1 of 1

Project Name: Omega Termite

Client: Omega Termite

Location: 807 - 75th Ave, Oakland, CA

Log of Geoprobe Corehole: SB14

Depth	Sample Label	Soil Symbol	Ground Surface	Boring Destruction Data	Remarks
0			Ground Surface		
0			***Sandy Gravel - FILL*** gray N 5/ -yellowish brown 10YR 5/5, clayey, loose dry		
2					Boring sealed with neat cement
4	SB14-4.5		***Silty Clay*** very dark grayish brown 10YR 3/2, hard dry - slightly moist		hydrocarbon odor @ 4'
6			@ 4' Becoming black N 2.5/, firm - hard, very slightly moist		
8			***Sandy Clay*** dark gray 5Y 3/1 - dark olive gray 5YR 3/2, firm moist		
10	SB14-9.5		***Clayey Sand*** dark olive gray 5Y 3/2, firm, moist		
12			***Clayey Silt - Sand*** yellowish brown 10YR 5/8 - olive brown 2.5Y 4/4 mottled, firm, moist, very slight odor, silt grading downward to sand		
14	SB14-14		***Silty Clay*** yellowish brown 10YR 5/8 with dark gray 10YR 4/1 root molds, slightly moist, trace odor		
16			***Silty Clay*** yellow brown 10YR 5/6-8 w/s dark gray - olive gray 5Y 4/1-2 mottling around root molds, firm, moist		
18	SB14-18				
20			***Clayey Sand*** dark greenish gray 5GY-10GY 4/1, mod firm, wet?, sli odor		standing water 20.5 ft.
22			***Silty Clay*** olive - olive brown 5Y-2.5Y 4/1, firm-hard, moist		Refusal with dual-tube @ 22.5' advanced with Macro-core to 30'
24	SB14 - 24.5				
26			***Silty Clay*** lt. brownish yellow - brownish yellow 10YR 6/4-6, firm, moist		
28	SB14-28				
28			***Silty Clay*** dark greenish gray 10Y4/1-5G 3/1, firm, moist		Gravel @ 29' wet
30			***Gravel*** v. dk. green gray - v. dk. grayish green 5G 3/1-2, firm, wet		
32			End of Borehole		

Drill Date: 10/10/03

Drill Method: Geoprobe

Total Depth: 30

Depth to Water: 20.5

Reviewed by: JKR

Logged by: RFF

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2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597
(925) 283-6000

APPENDIX C

Laboratory Analyses
With
Chain of Custody Documentation

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

All Environmental, Inc. 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #6861; Omega Termite	Date Sampled: 10/10/03
		Date Received: 10/10/03
	Client Contact: Robert Flory	Date Reported: 10/23/03
	Client P.O.:	Date Completed: 10/23/03

WorkOrder: 0310181

October 23, 2003

Dear Robert:

Enclosed are:

1). the results of **8** analyzed samples from your **#6861; Omega Termite project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

All Environmental, Inc.	Client Project ID: #6861; Omega Termite	Date Sampled: 10/10/03
2500 Camino Diablo, Ste. #200		Date Received: 10/10/03
Walnut Creek, CA 94597	Client Contact: Robert Flory	Date Extracted: 10/12/03-10/16/03
	Client P.O.:	Date Analyzed: 10/12/03-10/16/03

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0310181

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
002A	SB13-14	S	ND,a	ND	0.049	ND	0.014	0.019	1	112
005A	SB12-15	S	ND	ND	ND	ND	ND	ND	1	111
006A	SB14-4.5	S	360,a	ND<2.5	1.4	1.5	8.0	37	50	126
007A	SB14-9.5	S	800,a	ND<2.0	2.9	3.5	16	71	40	---#
010A	SB14-28.0	S	37,g,m	ND	ND	ND	0.015	0.11	1	95.4
012A	SB13-W-20	W	89,a,i	ND	27	0.53	2.4	6.2	1	97.5
013A	SB12-W-15	W	ND,i	ND	ND	ND	ND	ND	1	102
014A	SB14-W-30	W	2300,a,h,i	45	120	7.8	35	100	5	98.6
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
		S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes 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 having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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All Environmental, Inc.	Client Project ID: #6861; Omega Termite	Date Sampled: 10/10/03
2500 Camino Diablo, Ste. #200		Date Received: 10/10/03
Walnut Creek, CA 94597	Client Contact: Robert Flory	Date Extracted: 10/10/03
	Client P.O.:	Date Analyzed: 10/15/03-10/16/03

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0310181

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0310181-005A	SB12-15	S	ND	ND	1	106
0310181-006A	SB14-4.5	S	130,d,b	ND	1	110
0310181-007A	SB14-9.5	S	240,d,b	8.2	1	111
0310181-010A	SB14-28.0	S	45,k	ND	1	109
0310181-013B	SB12-W-15	W	150,g,f,b,i	320	1	109
0310181-014B	SB14-W-30	W	72,000,k,h,i	ND<25,000	100	129

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+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) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

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All Environmental, Inc.	Client Project ID: #6861; Omega Termite	Date Sampled: 10/10/03
2500 Camino Diablo, Ste. #200		Date Received: 10/10/03
Walnut Creek, CA 94597	Client Contact: Robert Flory	Date Extracted: 10/20/03
	Client P.O.:	Date Analyzed: 10/21/03

Petroleum Oil & Grease with Silica Gel Clean-Up*

Analytical methods: SM5520B/F

Work Order: 0310181

Lab ID	Client ID	Matrix	POG	DF	% SS
0310181-014C	SB14-W-30	W	ND,h,i	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	5.0	mg/L
	S	NA	NA

* water samples are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in mg/wipe, product/oil/non-aqueous liquid samples in mg/L.

DF = dilution factor (may be raised to dilute target analyte or matrix interference).

surrogate diluted out of range or not applicable to this sample.

g) sample extract repeatedly cleaned up with silica gel until constant IR result achieved; h) a lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W WorkOrder: 0310181

EPA Method: SW8021B/8015Cm	Extraction: SW5030B	BatchID: 8902	Spiked Sample ID: 0310181-012A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	60	122	116	5.22	107	104	3.01	70	130
MTBE	ND	10	127	128	1.35	107	108	0.702	70	130
Benzene	27.45	10	NR	NR	NR	107	102	4.55	70	130
Toluene	0.53	10	90.4	81.3	10.1	98.2	91.1	7.58	70	130
Ethylbenzene	2.42	10	84.1	80.8	3.13	85.3	108	23.5	70	130
Xylenes	6.20	30	86	82.7	3.17	100	100	0	70	130
%SS:	97.5	100	96.1	96.1	0	94.8	102	7.52	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0310181

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 8905 Spiked Sample ID: 0310181-002A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)[£]	0.21	0.60	76.1	77.8	1.53	99.3	98.7	0.591	70	130
MTBE	ND	0.10	101	104	2.49	103	103	0	70	130
Benzene	0.05	0.10	59.5, F1	60.1, F1	0.604	98.6	97	1.60	70	130
Toluene	ND	0.10	92.6	93.5	1.01	98	96.6	1.37	70	130
Ethylbenzene	0.01	0.10	96.4	96.9	0.435	102	101	1.21	70	130
Xylenes	0.02	0.30	93.7	93.7	0	103	103	0	70	130
%SS:	112	100	99.6	101	1.40	106	101	4.83	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

F1 = MS / MSD exceed acceptance criteria. LCS - LCSD validate prep batch.

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0310181

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 8909 Spiked Sample ID: 0310181-005A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	0.60	98.5	99.5	0.996	128	116	10.0	70	130
MTBE	ND	0.10	102	97.4	4.71	120	108	10.4	70	130
Benzene	ND	0.10	96.5	95.7	0.856	100	95.7	4.71	70	130
Toluene	ND	0.10	96.3	96	0.307	93.7	86.9	7.53	70	130
Ethylbenzene	ND	0.10	101	100	0.305	102	98	3.92	70	130
Xylenes	ND	0.30	100	100	0	93	88.7	4.77	70	130
%SS:	111	100	105	103	1.92	91.4	88.2	3.56	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

Matrix: W WorkOrder: 0310181

EPA Method: SW8015C	Extraction: SW3510C			BatchID: 8878		Spiked Sample ID: N/A				
	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	N/A	7500	N/A	N/A	N/A	89.1	89.7	0.729	70	130
%SS:	N/A	100	N/A	N/A	N/A	102	102	0	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder: 0310181

EPA Method: SW8015C	Extraction: SW3550C			BatchID: 8906			Spiked Sample ID: 0310181-005A			
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	ND	150	93.4	92.1	1.40	94.7	94.9	0.203	70	130
%SS:	106	100	104	103	1.27	104	104	0	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder: 0310181

EPA Method: SW8015C	Extraction: SW3550C		BatchID: 8910			Spiked Sample ID: 0310184-003A				
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	2.71	150	91.5	91.8	0.314	96.6	94.1	2.60	70	130
%SS:	99.1	100	104	105	1.01	106	103	2.50	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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All Environmental, Inc. 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #6861; Omega Termite	Date Sampled: 10/09/03
		Date Received: 10/09/03
	Client Contact: Robert Flory	Date Reported: 10/16/03
	Client P.O.:	Date Completed: 10/16/03

WorkOrder: 0310149

October 16, 2003

Dear Robert:

Enclosed are:

1). the results of **10** analyzed samples from your **#6861; Omega Termite project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

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All Environmental, Inc.	Client Project ID: #6861; Omega Termite	Date Sampled: 10/09/03
2500 Camino Diablo, Ste. #200		Date Received: 10/09/03
Walnut Creek, CA 94597	Client Contact: Robert Flory	Date Extracted: 10/09/03
	Client P.O.:	Date Analyzed: 10/10/03-10/11/03

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0310149

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
002A	SB10-15	S	ND	ND	ND	ND	ND	ND	1	96.4
004A	SB9-15	S	ND	ND	ND	ND	ND	ND	1	102
007A	SB8-15	S	ND	ND	ND	ND	ND	ND	1	95.7
009A	SB11-15	S	ND	ND	ND	ND	ND	ND	1	89.9
010A	SB7-10	S	ND	ND	ND	ND	ND	ND	1	90.0
Reporting Limit for DF=1; ND means not detected at or above the reporting limit		W	NA	NA	NA	NA	NA	NA	1	ug/L
		S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes 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 having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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All Environmental, Inc.	Client Project ID: #6861; Omega Termite	Date Sampled: 10/09/03
2500 Camino Diablo, Ste. #200		Date Received: 10/09/03
Walnut Creek, CA 94597	Client Contact: Robert Flory	Date Extracted: 10/13/03-10/15/03
	Client P.O.:	Date Analyzed: 10/13/03-10/15/03

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0310149

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
011A	SB10-W-15	W	ND,i	ND	ND	ND	ND	ND	1	---#
012A	SB9-W-20	W	ND,i	ND	ND	ND	ND	ND	1	100
013A	SB8-W-20	W	1700,a,i	8.3	940	2.7	0.58	2.2	1	106
014A	SB11-W-15	W	ND,i	ND	ND	ND	ND	ND	1	---#
015A	SB7-W-15	W	ND,i	ND	ND	ND	ND	ND	1	99.6
Reporting Limit for DF = 1; ND means not detected at or above the reporting limit		W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
		S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes 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 having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S

WorkOrder: 0310149

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 8883 Spiked Sample ID: 0310138-008A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	0.60	106	104	1.53	106	110	3.80	70	130
MTBE	ND	0.10	97	100	3.36	108	91.1	17.1	70	130
Benzene	ND	0.10	102	106	3.56	106	93.6	12.8	70	130
Toluene	ND	0.10	87.3	88.9	1.81	95.6	86	10.6	70	130
Ethylbenzene	ND	0.10	104	106	1.74	105	98.4	6.11	70	130
Xylenes	ND	0.30	96	95	1.05	93.3	88.7	5.13	70	130
%SS:	107	100	103	101	1.96	101	85.2	17.0	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W

WorkOrder: 0310149

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 8876 Spiked Sample ID: 0310150-006A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	60	107	101	5.46	100	99.7	0.581	70	130
MTBE	ND	10	101	100	0.592	105	102	2.85	70	130
Benzene	ND	10	104	102	2.20	103	100	2.51	70	130
Toluene	ND	10	105	103	1.58	103	101	1.92	70	130
Ethylbenzene	ND	10	106	105	1.59	105	104	1.73	70	130
Xylenes	ND	30	107	103	3.17	110	107	3.08	70	130
%SS:	104	100	102	101	1.27	99.3	100	1.18	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

A92

0810147

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ 5 DAY

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Robert Flores Bill To:

Company: AEI Consultants

2500 Camino Diablo Ste 200 Same

Walnut Creek CA 94597 E-Mail:

Tele: 0 925-283-6000 ext 12 Fax: 0 925-944-2895

Project #: 6861 Project Name: Omega Fremont

Project Location: 607 75th, Oakland

Sampler Signature: Robert Flores

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX: Water	Soil	Air	Sludge	Other	METHOD PRESERVED: Ice	HCl	HNO_3	Other	BTEX & TPH as Gas (602/8020 + 8015)/MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other	Comments
SB10-10		10/6/03	0845																										Hold	
SB10-15			0855												X																
SB9-10			1020																										Hold	
SB9-15			1030												X																
SB9-20			1040																										Hold	
SB8-10			1200																										Hold	
SB8-15			1205												X																
SB8-15			RR																										Hold	10/6
SB11-10			1325																										Hold	
SB11-15			1332												X																
SB7-10			1440												X														Blank	
SB7-15			1445	RR											X																

Relinquished By:	Date:	Time:	Received By:
	10/6/03	1455	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

	VOAS	O&G	METALS	OTHER
ICE/t° ✓				
GOOD CONDITION ✓	PRESERVATION			
HEAD SPACE ABSENT	APPROPRIATE			
DECHLORINATED IN LAB	CONTAINERS ✓			
PERSERVED IN LAB				

cc: Mel

0310149

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ 5 DAY

EDF Required? ☐ Yes ☐ No

Report To: Robert Flory Bill To: Same

Company: AEI Consultants

2500 Camino Diablo #200

Walnut Creek, CA 94597 E-Mail: RFlory@AEIconsultants.com

Tele: ( ) 925-283-6000 ext 122 Fax: ( ) 925-944-2895

Project #: 6861 Project Name:

Project Location: 807 75th Oakland

Sampler Signature: Robert Flory

	SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	HNO_3	Other	BTEX & TPH as Gas (602/8020 + 8015)/MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	EPA ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other	Comments
+15	SB10-W-15		10/1/02	0915	4	VOA+HCl	X									X																
+25	SB9-W-20			1092	4		X									X																Hold
+5	SB8-W-20			1230	4		X									X																
+5	SB11-W-15			1349	4		X									X																
+10	SB7-W-15			1455	4	HCl	X									X																

Relinquished By:	Date:	Time:	Received By:
	10/2	1455	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓ GOOD CONDITION ✓ HEAD SPACE ABSENT ____ DECHLORINATED IN LAB ____

PRESERVATION APPROPRIATE CONTAINERS ✓	VOAS	O&G	METALS	OTHER
PRESERVED IN LAB ____				

Analysis: Hold * 2 more preserved bottles for SB11-W-15

McCampbell Analytical Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0310149

Client:
All Environmental, Inc.
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597

TEL: (925) 283-6000
FAX: (925) 283-6121
ProjectNo: #6861; Omega Termite
PO:

Date Received: 10/9/03
Date Printed: 10/9/03

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests: SW8021B/8015Cm			
0310149-001	SB10-10	Soil	10/9/03 8:45:00	☑	A			
0310149-002	SB10-15	Soil	10/9/03 8:55:00	☐	A			
0310149-003	SB9-10	Soil	10/9/03 10:20:00	☑	A			
0310149-004	SB9-15	Soil	10/9/03 10:30:00	☐	A			
0310149-005	SB9-20	Soil	10/9/03 10:40:00	☑	A			
0310149-006	SB8-10	Soil	10/9/03 12:00:00	☑	A			
0310149-007	SB8-15	Soil	10/9/03 12:05:00	☐	A			
0310149-008	SB11-10	Soil	10/9/03 1:25:00	☑	A			
0310149-009	SB11-15	Soil	10/9/03 1:32:00	☐	A			
0310149-010	SB7-10	Soil	10/9/03 2:40:00	☐	A			
0310149-011	SB10-W-15	Water	10/9/03 9:15:00	☐	A			
0310149-012	SB9-W-20	Water	10/9/03 10:50:00	☐	A			
0310149-013	SB8-W-20	Water	10/9/03 12:30:00	☐	A			
0310149-014	SB11-W-15	Water	10/9/03 1:49:00	☐	A			
0310149-015	SB7-W-15	Water	10/9/03 2:55:00	☐	A			

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.