ADVANCED ENVIRONMENTAL CONCEPTS INC

MAR 30 2001

Advanced Environmental Concepts, Inc. is pleased to present the following:

Additional Soil and Groundwater Assessment

for

Former Vogue Tyres Facility
240 West MacArthur Boulevard
County of Alameda • Oakland, California

This report has been prepared for:

Mr. Warren Dodson
Dodson Ltd.

March 2001

4400 ASHE ROAD #206 • BAKERSFIELD, CA 93313 661/831-1646 • FAX 661/831-1771

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Appendices:

Project: AEC 01-2222

1.0 INTRODUCTION

This report presents the results of an additional subsurface soil and groundwater investigation, conducted by **Advanced Environmental Concepts, Inc**. (AEC), to further evaluate the migration of gasoline in the soil and groundwater proximal to the former underground storage tanks located at the northern portion of the property, and dispensing islands west of the former service station.

This additional assessment was conducted on February 13, 2001 in accordance with the work plan prepared by AEC and approved by the Alameda County Health Care Services (HCS). This additional investigation was authorized by Mr. Warren Dodson and performed under the supervision of Mr. Don Hwang, Hazardous Materials Specialist, ACHCS.

The subject site is in a commercially developed, densely populated area of the northern portion of Oakland, California. The property is currently occupied by Oakland Auto Repair, but was a former Gulf Service Station, then Tire Repair and Resale facility.

Contained in this report is background information, regional and local hydrogeological profiles, project history, objectives, scope of investigation, detailed investigative procedures, and subsequent findings. AEC provides an evaluation of said findings and makes related conclusions and recommendations. The report appendices contain project maps (**Appendix A**), boring logs (**Appendix B**), groundwater parameters (**Appendix C**), and Chain-of-Custody documentation/analytical results (**Appendix D**).

2.0 BACKGROUND

The Gulf Service Station originally operated three 10,000 gallon gasoline underground storage tanks (USTs), and one 350 gallon waste oil UST. Historical records indicate that the service station existed since at least 1950. The current location of the Shell Service Station, located adjacent to, and south of the subject site was a fueling station since at least 1952. The three gasoline USTs were located at the northern portion of the property, (underneath the current building), and the waste oil UST was west of the service bays. The two pump islands were west of the northern portion of the existing building. According to previous historical research there are no records documenting the removal of the three 10,000 gallon gasoline USTs. The 350 gallon waste oil UST was removed in October 1996 by All Environmental, Inc (AEI).

On October 3, 1996, AEI removed the previously identified 350 gallon waste oil UST located west of the service bays. Oil-stained soil was identified on the floor and sidewalls of the excavation. Confirmation soil samples collected from the excavation indicated that soil beneath the former UST emplacement were impacted with petroleum hydrocarbons. At the request of ACHCS, AEI expanded the size of the excavation, then collected additional confirmation soil samples which indicated the successful removal of the contamination. Groundwater was not encountered during this excavation phase, however, due to the estimated proximity of the contamination to groundwater, a subsurface investigation was required by the HCS.

On January 8, 1997 AEI conducted a subsurface investigation consisting of six borings using a Geoprobe. Borings BH-1, BH-2, BH-4, and BH-6 were advanced to 20 feet below grade level (BGL), and BH-3 and BH-5 were probed to 16 feet BGL. Soil samples were collected at intervals of 5 feet, and "grab" groundwater samples were collected from inside the borings. Groundwater was identified at approximately 16 feet BGL.

The soil samples were analyzed in accordance with California Department of Health Services (CA DHS) method for total petroleum hydrocarbons as gasoline and diesel (TPH-g,d) and EPA Method 8020 for volatile

aromatics (BTXE), and methyl tertiary butyl ether (MTBE). The soil samples were also analyzed for total lead, oil and grease, and poly nuclear aromatics (PNAs). Results of these analyses are listed in **Table 1**.

Table 1
Analytical Results of Soil Samples
January 10, 1997

Sample ID	TPH-d	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BH-1-15'	ND	ND	ND	ND	ND	ND
BH-2-15'	ND	ND	ND	ND	ND	ND
BH-3-15'	ND	ND	ND	ND	ND	ND
BH-4-15'	370	1,100	ND	ND	14	4.4
BH-5-15'	1.9	2.1	0.009	0.006	0.016	ND
BH-6-15'	140	190	0.25	0.5	3.6	0.84
Detection Limits (mg/kg)		1.0	0.005	0.005	0.005	0.005

ND: Non-detected at indicated level of detection.

Total lead concentrations ranged from 4.6 mg/kg to 23 mg/kg which is below the recommended action level of 50 mg/kg. MTBE was non-detect for all samples analyzed, oil and grease was only run on BH-2 and BH-3 and was less than 50 mg/kg, and the PNAs exhibited trace concentrations ranging between 1.1 and 41 mg/kg.

The groundwater samples were analyzed in accordance with TPH-g,d and EPA Method 8020 for BTXE, and MTBE. *Groundwater samples were also analyzed for total lead, oil and grease, and PNAs. Results of these* analyses are listed in **Table 2**.

Table 2
Analytical Results of Groundwater Samples
January 10, 1997

Sample ID	TPH-d	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BH1W	490	330	2.0	0.72	1.3	ND
BH2W	320	ND	ND	ND	ND	ND
BH4W	NA	6,600	58	13	270	110
BH6W	450	13,000	870	65	570	130
Detection Limits (mg/kg)		1.0	0.005	0.005	0.005	0.005

ND: *Non-detected at indicated level of detection.*
NA: Not analyzed

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Soluble lead concentrations were below detection limits, MTBE ranged from below detection limits to 320 ug/L in BH6W, oil and grease was only run on BH2W and was less than 5 mg/L, and the PNAs exhibited non detectable concentrations. The elevated gasoline constituents prompted the Health department to request a further investigation.

On August 7, 1997, three Geoprobe soil borings (BH-7, BH-8, and BH-9), and four groundwater monitoring wells (MW-1, MW-2, MW-3, and MW-4) were drilled proximal to the western dispenser islands, and south, west, and north of the former UST emplacement. The investigative groundwater wells and Geoprobe borings were positioned to assess the vertical and lateral migration of hydrocarbons in the subsurface and to evaluate groundwater quality. The borings for the monitoring wells were advanced using a limited access, track-mounted mobile drilling rig, equipped with 8-inch O.D. continuous flight, hollow-stem augers. Boring locations are shown on **Figure 2.**

Soil analyses were performed by Associated Laboratories, Inc. to determine the presence and concentrations of hydrocarbons at the subject site by EPA methods and 8015M and 8020. Analytical results for soil samples are presented in **Table 3**.

Table 3
Analytical Results - Soil Boring
August 7, 1997
(ppm)

Sample ID	TPH-d	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BH-7-12'	ND	ND	ND	ND	ND	ND
BH-7-16'	ND	ND	ND	ND	ND	ND
BH-8-8'	ND	ND	ND	ND	ND	ND
BH-8-12'	ND	168	0.02	ND	5.1	0.45
BH-8-16'	ND	21	0.027	0.07	0.75	ND
BH-9-8'	ND	ND	ND	0.032	0.28	0.029
BH-9-12'	ND	ND	ND	0.012	ND	ND
BH-9-16'	ND	ND	ND	ND	ND	ND
MW-1-10'	ND	ND	ND	ND	ND	ND
MW-1-17'	ND	ND	ND	0.031	ND	ND
MW-2-10'	ND	ND	ND	ND	ND	ND
MW-2-17'	ND	16	0.035	0.037	0.15	0.018
MW-3-10'	ND	ND	ND	ND	ND	ND
MW-3-15'	ND	ND	0.027	ND	ND	ND

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Table 3 (cont'd)
Analytical Results - Soil Boring
August 7, 1997
(ppm)

Sample ID	TPH-d	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
MW-4-10'	ND	ND	ND	ND	ND	ND
MW-4-17'	ND	ND	ND	ND	ND	ND

ND: Non Detected at indicated limit of detection

Water analyses were performed by Associated Laboratories, Inc. to determine the presence and concentrations of hydrocarbons at the subject site by EPA methods and 8015M and 8020. Analytical results for soil samples are presented in **Table 4**.

Table 4
Analytical Results - Monitoring Wells
August 8, 1997
(ppb)

Sample ID	TPH-d	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-1	ND	1,140	110	16	112	15
MW-2	ND	5,350	108	36	144	33
MW-3	ND	8,500	450	30	106	53
MW-4	ND	ND	ND	ND	ND	ND
Detection Limits (mg/L)		5.00	0.0050	0.0050	0.0050	0.0050

ND: Non Detected at indicated limit of detection

Table 5
Biological Factors
August 8, 1997
(ppb)

Sample ID	2580B	300.0 Nitrate	300.0 Sulfate	310.0	3500 FED	360.1
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
MW-1	311	7.1	92	238	0.10	8.2
MW-2	331	0	43	398	0.50	6.3

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Table 5 (cont'd)
Biological Factors
August 8, 1997
(ppb)

Sample ID	2580B	300.0 Nitrate	300.0 Sulfate	310.0	3500 FED	360.1
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
MW-3	330	0	56	368	ND	7.9
MW-4	307	19.5	87	140	ND	7.8
Detection Limits (mg/kg)		5	5	5.0	0.10	

2580B: Redox Potential @ Temp
300.0: Nitrate As NO3 by Ion Chromatograph
310.1 Alkalinity
3500FED: Ferrous Iron
360.1: Dissolved Oxygen, Membrane Electrode

To establish a baseline for closure it became evident that AEC needed to identify the lateral migration of the gasoline plume. This recent monitoring well installation is in response to that desire.

3.0 SITE GEOLOGY and DEPTH TO GROUNDWATER

The subject property is west of the San Francisco Bay in the foothills of Oakland. The foothills of Oakland are composed of alluvial fans and non-marine terraces with elevations from 150 to 500-feet above mean sea level. The area slopes regionally to the southwest with gradients ranging from 25 to 200-feet per mile.

The alluvial deposits of Recent age that comprise the area consist mainly of sands, gravels, silts, and clays. Generally, the coarse grained sediments are deposited near the inland hills as alluvial fans, whereas deposition of progressively finer grained sediments occurs toward the San Francisco Bay and marshlands. The upper fan areas are interpreted as intake areas where recharge of groundwater takes place. Hydraulic continuity may exist between alluvial sediments of the fan areas and certain water-bearing sediments of the central lowlands. Replenishment of groundwater occurs in the intake area by infiltration from major streams within their permeable channels and from precipitation.

The regional stratigraphy is comprised of interbedded silt, clay, and sand that is typical of sediments deposited on alluvial fans and terraces during flood stages. Generally, from grade level to a depth of 19 feet BGL a silty sand (SM) is present, containing lenticular deposits of silt and silty clay. From 19 feet to approximately 22 feet BGL, a coarse grained sand to gravel was logged and is water saturated. This permeable zone is "perched" on a less permeable clayey silt. The sedimentation typifies older, higher energy stream channels (coarse grained sand (SP) to gravel (GC)) and flood stage stream deposits (silt (ML) and clay (CL)).

3.1 Soil Profile

The soil profile at the site, from grade level to approximately 7 feet BGL consists of a tan, moderately compact, silt to clayey silt (ML-SM). From 7 feet to 12 feet BGL an olive, moderately dense, fine-grained silty sand (SM) occurs. From 12 to 14-feet BGL an olive-brown, moderately dense, unconsolidated sand (SM-SP) is present. From 14 to 19 feet BGL a tan-brown, moderately compact clayey silt is identified (ML), and is underlain by a multi-colored, unconsolidated coarse-grain sand and gravel (SW-GC) to a depth of 22 feet BGL. This water-bearing sand is "perched" on a less permeable clayey silt.

4.0 ASSESSMENT ACTIVITIES

4.1 Decontamination Procedures

Prior to beginning drilling operations, the augers and associated equipment were thoroughly cleaned using a high pressure steam cleaner. In addition, the soil sampler was washed in an Alconox solution and rinsed with deionized water (prior to initial use and between each sampling interval) to minimize the possibility of cross-contamination between samples.

4.2 Groundwater Monitoring Wells

On February 13, 2001 four groundwater monitoring wells (MW-1,2,3, and 4) were drilled on the subject property . The wells were positioned to assess the lateral migration of hydrocarbons in the groundwater and advanced using a track-mounted limited-access drill rig, equipped with 8-inch O.D. continuous flight, hollow-stem augers. Well locations are presented on **Figure 2.**

Soil samples were collected using a split-spoon sampler at 5-foot intervals to groundwater at approximately 19 feet BGL. The monitoring wells were constructed of 2-inch diameter, flush-threaded, Schedule 40 PVC casing with the 0.010-inch screened interval positioned between 19-feet and 9- feet BGL (**Appendix A, Figure 3**). A 2-inch, flush-threaded, end cap was installed on the bottom of the screen to act as a sediment trap. The annulus around the screened interval was packed with Number 2/12 Monterey sand to approximately 1-2 feet above the screened interval, followed by approximately-2 feet of hydrated bentonite chips. The remaining annular space was backfilled with a cement slurry. A metal, locking traffic box was installed and cemented in place to protect the well head. Well construction details are depicted graphically in the appended boring logs.

4.3 Well Development / Sampling

On February 14, 2001, the newly installed wells were purged by pumping water using a "Whale" 1-inch submersible pump. Approximately 15 gallons of water were removed from each well until the fine sediments were less than 10% by volume. Water bearing zone parameters of pH, temperature and conductivity were obtained using a HYDAC meter, and recorded at 3-gallon intervals. The aquifer was allowed to stabilize to within 10% of its original standard level then sampled. Prior to sampling, the monitoring well was measured for depth to water. Groundwater samples were collected from the well using a stainless steel bailer. The bailed water was transferred to clean, labeled, VOA vials and

sealed with Teflon-lined septa. Care was exercised to ensure that no air bubbles were present inside the vials. The glass containers were placed in protective padding and stored on Blue Ice for shipment to Zalco Laboratories, Inc., a California-certified laboratory.

5.0 ANALYTICAL RESULTS

Soil analyses were performed by Zalco Laboratories, Inc. to determine the presence and concentrations of hydrocarbons at the subject site by EPA methods and 8015M and 8020. Analytical results for soil samples are presented in **Table 6** and laboratory data sheets and chain-of-custody documents are contained in **Appendix D**.

TABLE 6
Analytical Results - Soil Boring
February 13, 2001
(ppm)

Sample ID	TPH-g	MTBE	Benzene	Toluene	Xylenes	Ethylbenzene
MW-5-5'	<10	<0.005	<0.005	<0.005	<0.015	<0.005
MW-5-10'	<10	<0.005	<0.005	<0.005	<0.015	<0.005
MW-5-15'	11,700	<0.005	25.6	12.0	38.6	55.8
MW-5-20'	<10	<0.005	<0.005	<0.005	<0.015	<0.005
MW-7-10'	<10	<0.005	<0.005	<0.005	<0.015	<0.005
MW-7-15'	<10	<0.005	<0.005	<0.005	<0.015	<0.005
MW-7-20'	<10	<0.005	<0.005	<0.005	<0.015	<0.005
MW-8-5'	<10	<0.005	<0.005	<0.005	<0.015	<0.005
MW-8-10'	<10	<0.005	<0.005	<0.005	<0.015	<0.005
MW-8-15'	<10	<0.005	<0.005	<0.005	<0.015	<0.005
MW-8-20'	<10	<0.0723	<0.005	<0.005	<0.015	<0.005

Water analyses were performed by Zalco Laboratories, Inc. to determine the presence and concentrations of hydrocarbons at the subject site by EPA methods and 8015M and 8020. Analytical results for soil samples are presented in **Table 7** and laboratory data sheets and chain-of-custody documents are contained in **Appendix D**.

Table 7
Analytical Results - Monitoring Wells
February 14, 2001
(ppb)

Sample ID	TPH-g	MTBE	Benzene	Toluene	Xylenes	Ethylbenzene
MW-5	5,660	<0.3	76.9	21.1	312	47.3
MW-6	1,340	<0.3	17.0	0.967	51.4	11.1
MW-7	<0.005	284	<0.3	<0.3	<0.3	<0.3
MW-8	1,000	620	3.97	<0.3	1.63	3.78

6.0 EXTENT OF HYDROCARBON MIGRATION

The January 1997 soil and groundwater assessment by AEI, and subsequent soil sampling and groundwater monitoring well installation conducted by AEC in August 1997 and February 2001, indicates a gasoline plume spanning the northern half of the property and into a portion of MacArthur Boulevard and Howe Street (**Appendix A, Figure 2).** The investigations indicated that native soil had a slight to strong gasoline odor that varied with depth and permeability of the soil matrix (primarily at the capillary fringe between 12 and 16 feet bgs). PID readings indicated elevated concentrations of hydrocarbon vapors coinciding with the malodorous intervals.

The hydrocarbon concentrations have established a pattern consistent with multiple release points of smaller volumes over a long period of time. For example, elevated gasoline concentrations are identified in the soil and groundwater adjacent the western most dispenser (BH-4, BH-8, MW-3). The hydrocarbon concentrations are trace to non detect in BH-5 and BH-7 which are located approximately 20 feet away. Apparently, hydrocarbons have been released proximal to the former gasoline UST emplacement, the waste oil UST emplacement, and the western island location however, lateral migration has been limited. The releases are probably due to a combination of overspill while filling the 10,000 gallon USTs (or waste oil removal) and the fittings manifolding the plumbing from the USTs to the islands. The absence of any significantly elevated soil contamination again indicates small volume type of releases over long time periods versus a large volume release associated with corrosion holes in the USTs and/or pressurized piping. Also, the age of the former station indicates that it first operated under a vacuum dispensing system (pumps lose prime if there is a problem and therefore won't dispense gasoline), and was later converted to a pressurized dispensing system. The conversion process should have identified potential points where leakage may have occurred and remedied the situation.

6.1 Bio-Remediation Factors

On August 8, 1997 biological factors were measured in the groundwater including Redox Potential, Nitrate, Sulfate, Alkalinity, Iron, and Dissolved Oxygen. The results indicate that dissolved oxygen and nitrate are present in the groundwater, an adequate Redox Potential exists, and no negative conditions (i.e. high iron content) exist that would impede passive bio-remediation.

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7.0 CONCLUSIONS

- Four groundwater monitoring wells (MW5-8) were drilled, sampled, and installed at the subject site.
- Soil samples from MW-6, MW-7, and MW-8 were below detectable limits for all constituents analyzed with the exception of 0.0723 mg/kg of MTBE in sample MW-8 @ 20'. MW-5 @ 15' exhibited elevated gasoline constituents at fifteen feet bgs. MW-5 was placed adjacent to, and downgradient of the former tank emplacement, therefore, these concentrations are consistent with our prior reasoning.
- Groundwater well MW-4 is consistently below detectable limits for all constituents analyzed. MW-7, the downgradient well on the north side of Howe Street exhibited non detectable concentrations of all gasoline constituents with the exception of MTBE (284 ug/L). MW-5, MW-6, and MW-8 all exhibited elevated gasoline concentrations and the main plume appears to originate from the former tank emplacement.
- The flow direction is N50°W with a calculated gradient of 0.28'/100'.

8.0 RECOMMENDATIONS

AEC recommends continued quarterly sampling of the groundwater monitoring wells for a period of one year to demonstrate plume stability and natural attenuation. Since the sources of continued contamination (USTs and dispensers) have been removed it does not appear that this site requires proactive remediation. Analysis of natural attenuation parameters will continue to be measured, primarily dissolved oxygen and oxidation-reduction potential.

9.0 LIMITATIONS

This work has been performed in accordance with generally accepted environmental science and engineering practices. Conclusions and recommendations are based upon information collected and compiled during this investigation. No other warranty, expressed or implied, is given.

10.0 CLOSING

Advanced Environmental Concepts, Inc. appreciates the opportunity to be of service to Mr. Warren Dodson, of Dodson Ltd. on this project. If there should be any questions or additional information required regarding this report, please do not hesitate to contact our office at (661) 831-1646.

This Environmental Site Assessment has been prepared by:

Advanced Environmental Concepts, Inc.

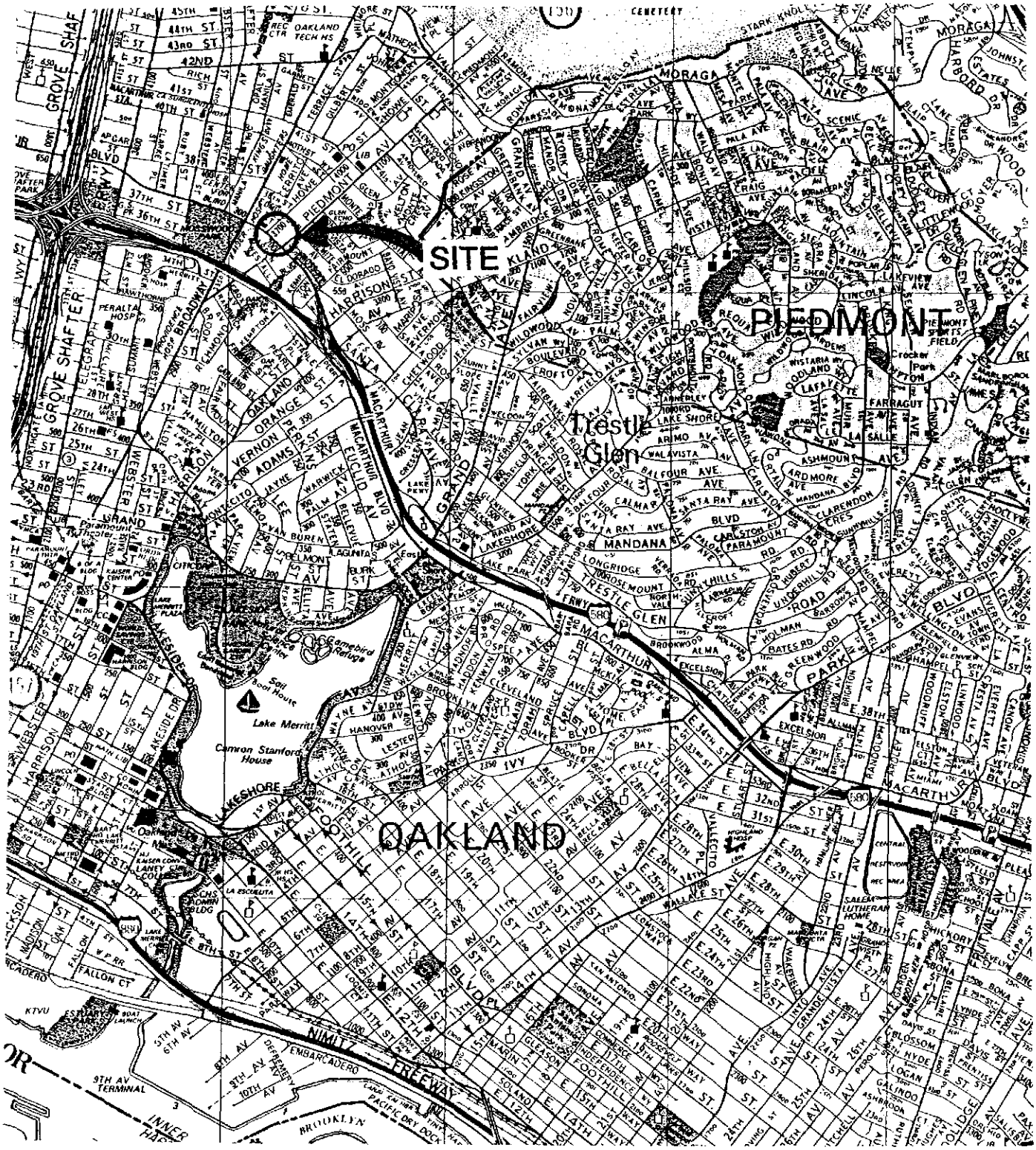
Jonathan L. Buck
Registered Environmental Assessor II #22017

This report has been technically reviewed by:

Christian Bellue
Registered Professional Engineer #C53934

DOC22HS

Project: AEC 01-2222



Map Source: Thomas Maps

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- SITE AREA -

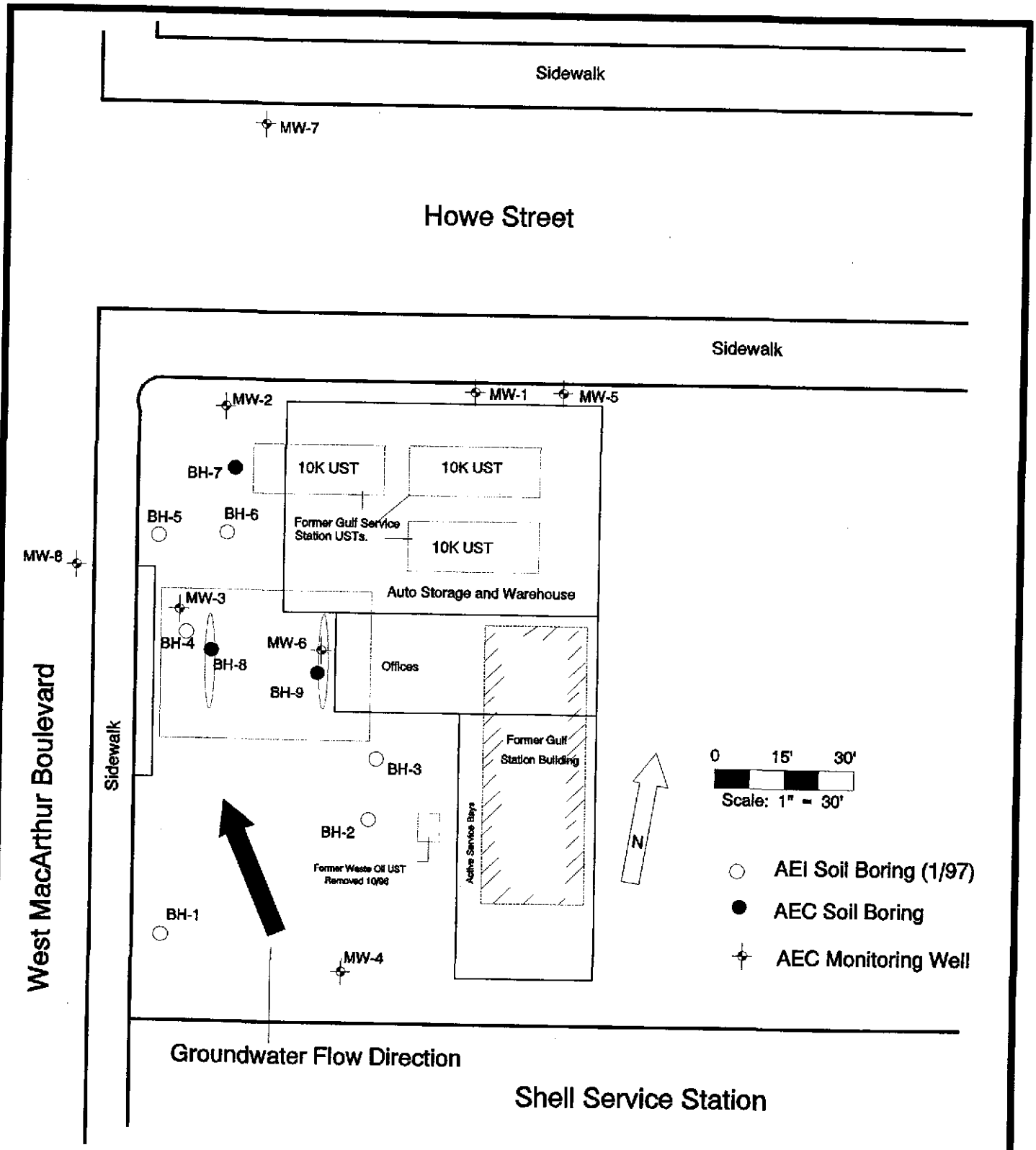
Prestige Products Corporation

240 West MacArthur Blvd.

County of Alameda - Oakland, California

FIGURE

1



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- Location Map -

Former Vogue Tyres Facility

240 West MacArthur Boulevard

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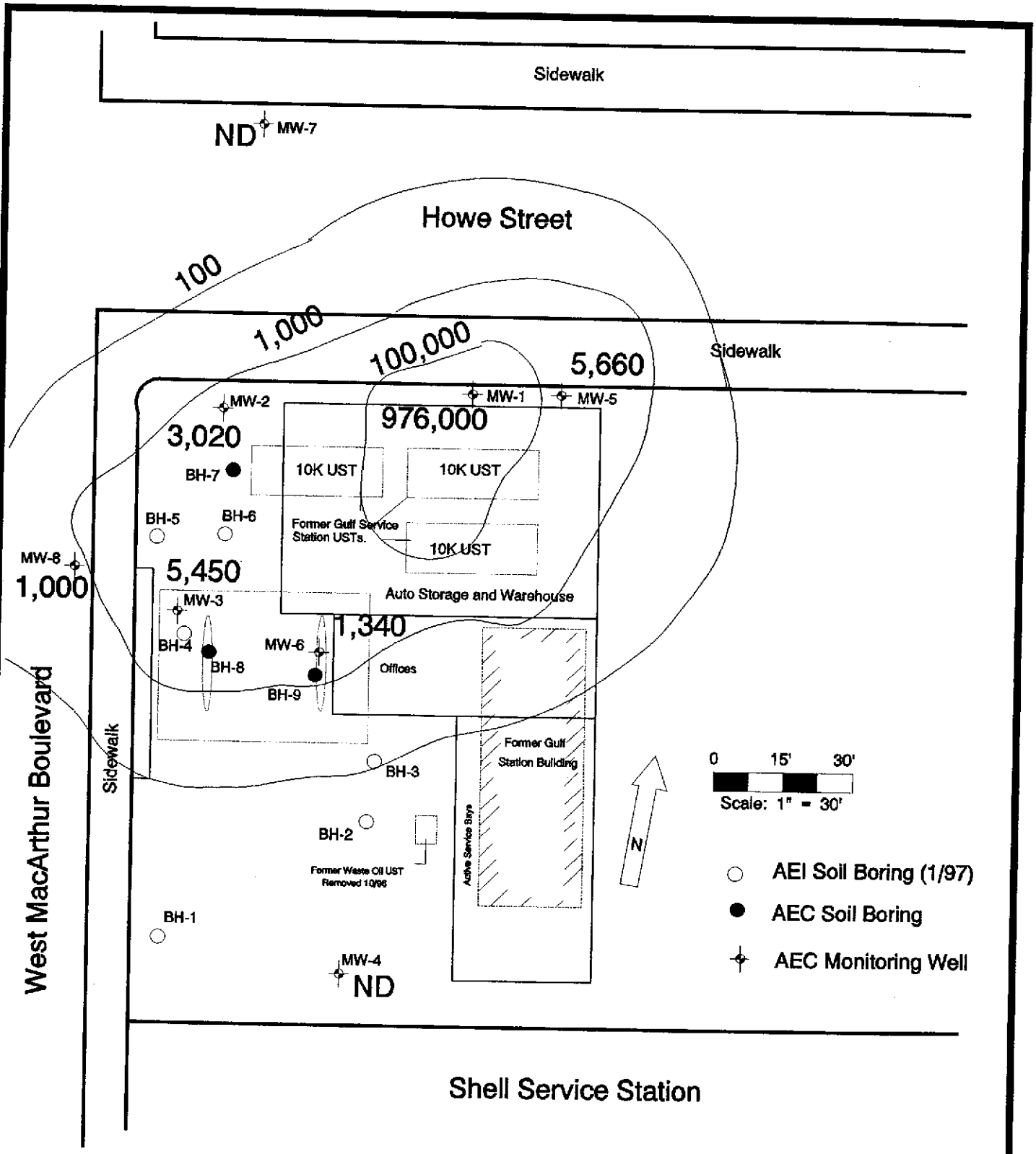
FIGURE

2



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TPH-Gasoline in Water (ppb)

Former Vogue Tyres Facility

240 West MacArthur Boulevard

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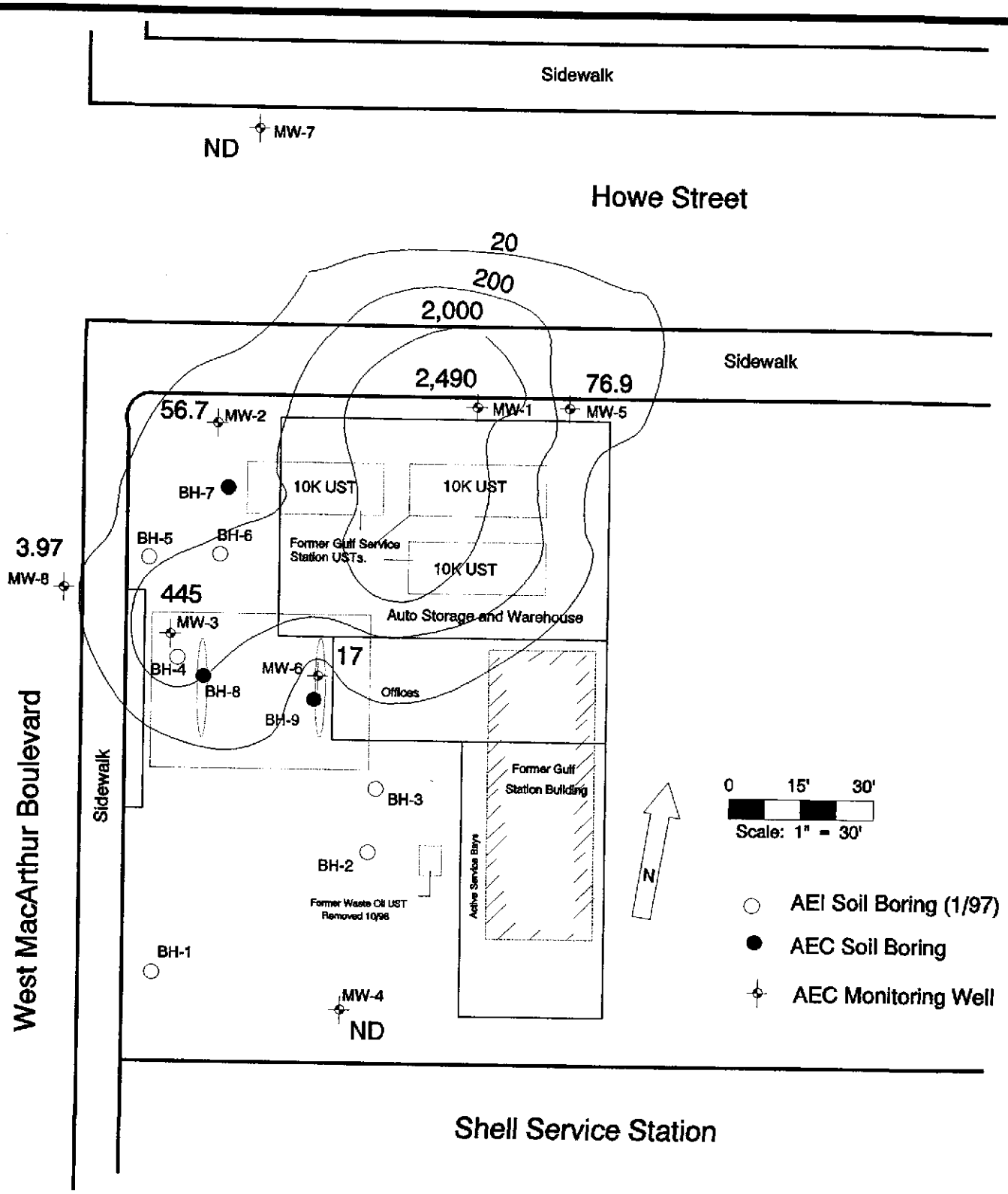
FIGURE

3



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Benzene in Groundwater (ppb)

Former Vogue Tyres Facility

240 West MacArthur Boulevard

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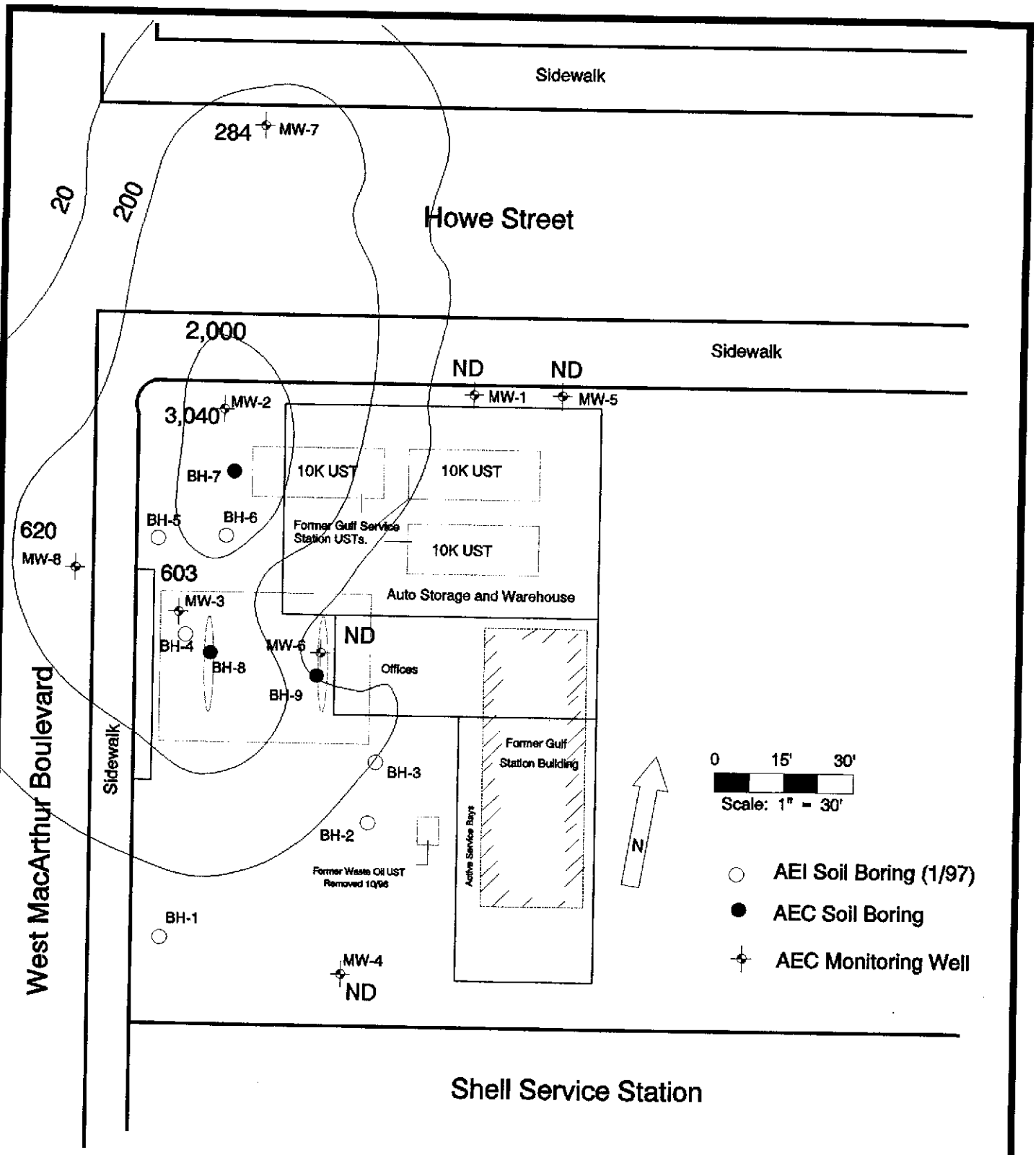
FIGURE

4



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MTBE in Groundwater (ppb)

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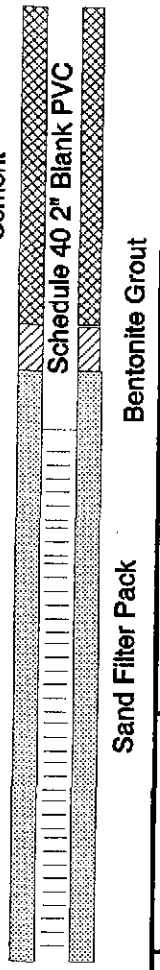
FIGURE

5



DEPTH	PID (ppm)	SAMPLE ID INTERVAL BLOWCOUNT	U.S.C.S. LOG	LITHOLOGIC DESCRIPTION
5	0	4 6	CL	Clay: Brown, mottled, compact, malleable, moderately moist, no apparent gasoline odor.
10	58.5	13 14	ML	Silt: Tan-brown, moderately compact, friable, fine-graned, some clay, moderately moist, strong gasoline odor.
15	1480	11 14	SM H20	Sand: Brown, stained olive-gray, loosely consolidated, fine-grained, slightly compact, friable, very moist, strong gasoline odor.
20	0	7 9	SW	Sand: Brown, slightly dense, unconsolidated, medium to coarse-grained, moderately moist, no apparent gasoline odor.
25				
30				

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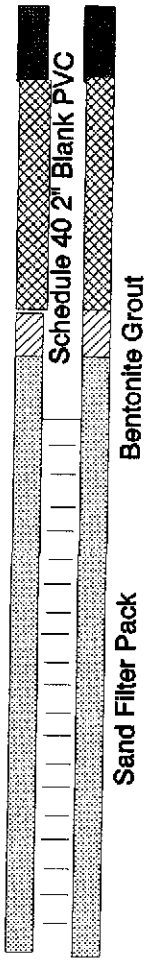
WELL/BORING LOG

1 of 1

PROJECT Vogue Tyres
LOCATION 240 W. MacArthur Blvd., Oakland, California
WELL/BORING NO. MW-5
SURFACE ELEVATION
WELLHEAD ELEVATION
DATE DRILLED 02/13/01
LOGGED BY J. Buck - AEC
REVIEWED BY C. Bellue
DRILLING COMPANY Gregg Drilling
DRILLER
METHOD Hollow Stem Auger
BORE HOLE DIAMETER 8 inch
TOTAL DEPTH 20'
DEPTH TO WATER: INITIAL 16'
STATIC
CASING TYPE PVC
DIAMETER 2 Inch
SCHEDULE 40
INTERVAL 0' TO 9'
SCREEN TYPE Slotted PVC
DIAMETER 2 Inch
SLOT SIZE 0.010
INTERVAL 9' TO 19'
FILTER PACK TYPE Monterey Sand #200
INTERVAL TO
SURFACE SEAL TYPE Bentonite Grout overlain by Concrete Plug & Well Box
INTERVAL TO
NOTES

WELL DETAIL	DEPTH	PID (ppm)	SAMPLE ID INTERVAL BLOWCOUNT	U.S.C.S. LOG	LITHOLOGIC DESCRIPTION
	5 10 15 20 25 30				

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WELL/BORING LOG

1 of 1

PROJECT Vogue Tyres LOCATION 240 W. MacArthur Blvd., Oakland, California

WELL/BORING NO. MW-6 SURFACE ELEVATION _____ WELLHEAD ELEVATION _____

DATE DRILLED 02/13/01 LOGGED BY J. Buck - AEC REVIEWED BY C. Bellue

DRILLING COMPANY Gregg Drilling DRILLER _____ METHOD Hollow Stem Auger

BORE HOLE DIAMETER 8 inch TOTAL DEPTH _____ DEPTH TO WATER: INITIAL 16' STATIC _____

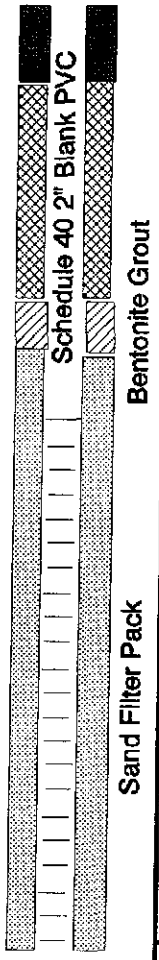
CASING TYPE PVC DIAMETER 2 Inch SCHEDULE 40 INTERVAL 0' TO 9'

SCREEN TYPE Slotted PVC DIAMETER 2 Inch SLOT SIZE 0.010 INTERVAL 9' TO 19'

FILTER PACK TYPE Monterey Sand #200 INTERVAL _____ TO _____

SURFACE SEAL TYPE Bentonite Grout overlain by Concrete Plug & Well Box INTERVAL _____ TO _____

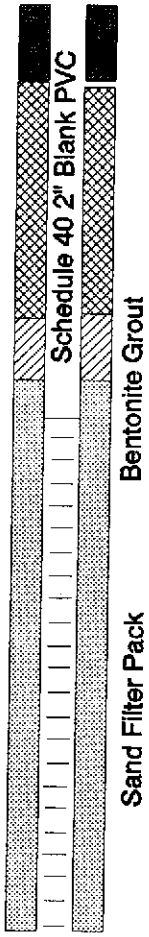
NOTES _____

WELL DETAIL	DEPTH	PID (ppm)	SAMPLE ID INTERVAL BLOWCOUNT	U.S.C.S. LOG	LITHOLOGIC DESCRIPTION
	5				
	10	0	0	ML	Silt: Tan-brown, slightly to moderately compact, clayey in part, slightly moist, no apparent hydrocarbon odor.
	15	0	0	SM H20	Silt: Tan-brown, slight to moderately compact, sandy fine-grained, slightly moist, no apparent gasoline odor.
	20	0	0	SW	Sand: Brown, slightly dense, unconsolidated, medium to coarse-grained, very moist, no apparent gasoline odor.
	25				
	30				

AEC ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672 BAKERSFIELD, CA 93384

WELL/BORING LOG

PROJECT Vogue Tyres
LOCATION 240 W. MacArthur Blvd., Oakland, California
WELL/BORING NO. MW-7
SURFACE ELEVATION
WELLHEAD ELEVATION
DATE DRILLED 02/13/01
LOGGED BY J. Buck - AEC
REVIEWED BY C. Bellue
DRILLING COMPANY Gregg Drilling
DRILLER
METHOD Hollow Stem Auger
BORE HOLE DIAMETER 8 inch
TOTAL DEPTH 20'
DEPTH TO WATER: INITIAL 16'
STATIC
CASING TYPE PVC
DIAMETER 2 Inch
SCHEDULE 40
INTERVAL 0' TO 9'
SCREEN TYPE Slotted PVC
DIAMETER 2 Inch
SLOT SIZE 0.010
INTERVAL 9' TO 19'
FILTER PACK TYPE Monterey Sand #2/12
INTERVAL TO
SURFACE SEAL TYPE Bentonite Grout overlain by Concrete Plug & Well Box
INTERVAL TO
NOTES

WELL DETAIL	DEPTH	PID (ppm)	SAMPLE ID INTERVAL BLOWCOUNT	U.S.C.S. LOG	LITHOLOGIC DESCRIPTION
	5	0	0	GL	Gravel: Brown, fractural rock, sand, fine to medium - grained, some clay, slightly moist, no gasoline odor.
	10	0	0	ML	Silt: Brown-tan, slightly to moderately compact, fine-grained, clayey in part, moderately moist, no apparent gasoline odor.
	15	0	0	SM H20	Silt: Tan, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.
	20	0	0	SP	Sand: Brown, slightly dense, unconsolidated, medium to coarse grained, slightly moist, no apparent gasoline odor.
	25				
	30				

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WELL/BORING LOG

PROJECT Vogue Tyres LOCATION 240 W. MacArthur Blvd., Oakland, California

WELL/BORING NO. MW-8 SURFACE ELEVATION _____ WELLHEAD ELEVATION _____

DATE DRILLED 02/13/01 LOGGED BY J. Buck - AEC REVIEWED BY C. Bellue

DRILLING COMPANY Gregg Drilling DRILLER _____ METHOD Hollow Stem Auger

BORE HOLE DIAMETER 8 inch TOTAL DEPTH 20' DEPTH TO WATER: INITIAL 16' STATIC _____

CASING TYPE PVC DIAMETER 2 inch SCHEDULE 40 INTERVAL 0' TO 9'

SCREEN TYPE Slotted PVC DIAMETER 2 inch SLOT SIZE 0.010 INTERVAL 9' TO 19'

FILTER PACK TYPE Monterey Sand #2/12 INTERVAL _____ TO _____

SURFACE SEAL TYPE Bentonite Grout overlain by Concrete Plug & Well Box INTERVAL _____ TO _____

NOTES _____

Groundwater Parameters

Site Name: Vogue Tyres AEC P.O. #: _____

Location: 240 West MacArthur Project #: _____

Oakland, CA Date: February 14, 2001

TIME	GALLONS PURGED	CONDUCTIVITY	TEMPERATURE	pH
	MONITORING WELL # 1			
	1 bailer	2,310	70.2	6.99
	MONITORING WELL # 2			
	1 bailer	2,190	70.0	7.08
	MONITORING WELL # 3			
	1 bailer	2,020	69.8	7.02

3 Casing Volumes

4" Screen = (.66 gal/ft) (_____ ft) = _____ 2" Screen = (.17 gal/ft) (_____ ft) = _____

MW # 1 Depth to Groundwater = 16.15' Corrected Depth: 16.15' Survey: 4.39'

MW # 2 Depth to Groundwater = 15.52' Corrected Depth: 16.22' Survey: 5.09'

MW # 3 Depth to Groundwater = 14.60' Corrected Depth: 16.15' Survey: 5.94'

Groundwater Parameters

Site Name: Vogue Tyres AEC P.O. #: _____

Location: 240 West MacArthur Project #: _____

Oakland, CA Date: February 14, 2001

TIME	GALLONS PURGED	CONDUCTIVITY	TEMPERATURE	pH
	MONITORING WELL # 4			
	1 bailer	2,140	69.6	7.09
	MONITORING WELL # ___			
	MONITORING WELL # ___			

3 Casing Volumes

4" Screen = (.66 gal/ft) (_____ ft) = _____ 2" Screen = (.17 gal/ft) (_____ ft) = _____

MW # 4 Depth to Groundwater = 14.65' Corrected Depth: 16.15' Survey: 5.72'

MW # ___ Depth to Groundwater = _____ Corrected Depth: _____ Survey: _____

MW # ___ Depth to Groundwater = _____ Corrected Depth: _____ Survey: _____

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FAX (661) 395-3069

Advanced Environmental Concepts
4400 Ashe Road Suite 206
Bakersfield, CA 93313

Attention: Jon Buck

Sample Type: Water

Description: MW-5, Vogue Tyres
Sampled by Jon Buck

Laboratory No: 0102199-15
Date Received: 02/15/01
Date Reported: 02/23/01
Contract No. :
Date Sampled : 02/14/01
Time Sampled :

REPORT OF ANALYTICAL RESULTS

Constituents	Results	Units	DLR	Method/Ref
BTXEM & TPH-Gasoline				
Methyl tert-Butyl Ether (MTBE)	ND	ug/L	0.3	8020/8015M/8
Benzene	76.9	ug/L	7.5	8020/8015M/8
Toluene	21.1	ug/L	7.5	8020/8015M/8
Ethylbenzene	47.3	ug/L	7.5	8020/8015M/8
Total Xylenes	312	ug/L	15	8020/8015M/8
TPH Gasoline	5.66	mg/l	0.50	8020/8015M/8

Analyzed : JMM

cc:

Method Reference
8. DOHS LUFT Manual

Jim Etherton, Lab Operations Manager

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
umhos/cm : micromhos/cm at 25 C
mmhos/cm : millimhos/cm at 25 C
ND : None Detected N/A : Not Applicable
NSS : Not Sufficient Sample for Analysis
DLR : Detection Limit for Reporting Purposes

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4400 Ashe Road Suite 206
Bakersfield, CA 93313

Attention: Jon Buck

Sample Type: CAM Solid

Description: MW-5 @ 5', Vogue Tyres
Sampled by Jon Buck

Laboratory No: 0102199-1
Date Received: 02/15/01
Date Reported: 02/23/01
Contract No. :
Date Sampled : 02/13/01
Time Sampled :

REPORT OF ANALYTICAL RESULTS

Constituents	Results	Units	DLR	Method/Ref
BTXEM & TPH-Gasoline				
Methyl tert-Butyl Ether (MTBE)	ND	ug/kg	5.0	8020/8015M/8
Benzene	ND	ug/kg	5.0	8020/8015M/8
Toluene	ND	ug/kg	5.0	8020/8015M/8
Ethylbenzene	ND	ug/kg	5.0	8020/8015M/8
Total Xylenes	ND	ug/kg	15.0	8020/8015M/8
TPH Gasoline	ND	mg/kg	10	8020/8015M/8

Analyzed : 02/20/01 JMM

cc:

Method Reference
8. DOHS LUFT Manual

for Jim Etherton, Lab Operations Manager

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
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mmhos/cm : millimhos/cm at 25 C
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NSS : Not Sufficient Sample for Analysis
DLR : Detection Limit for Reporting Purposes

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4400 Ashe Road Suite 206
Bakersfield, CA 93313

Attention: Jon Buck

Sample Type: CAM Solid

Description: MW-5 @ 10', Vogue Tyres
Sampled by Jon Buck

Laboratory No: 0102199-2
Date Received: 02/15/01
Date Reported: 02/23/01
Contract No. :
Date Sampled : 02/13/01
Time Sampled :

REPORT OF ANALYTICAL RESULTS

Constituents	Results	Units	DLR	Method/Ref
BTXEM & TPH-Gasoline				
Methyl tert-Butyl Ether (MTBE)	ND	ug/kg	5.0	8020/8015M/8
Benzene	ND	ug/kg	5.0	8020/8015M/8
Toluene	ND	ug/kg	5.0	8020/8015M/8
Ethylbenzene	ND	ug/kg	5.0	8020/8015M/8
Total Xylenes	ND	ug/kg	15.0	8020/8015M/8
TPH Gasoline	ND	mg/kg	10	8020/8015M/8

Analyzed : 02/20/01 JMM

cc:

Method Reference
8. DOHS LUFT Manual

Jim Etherton, Lab Operations Manager

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
umhos/cm : micromhos/cm at 25 C
mmhos/cm : millimhos/cm at 25 C
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NSS : Not Sufficient Sample for Analysis
DLR : Detection Limit for Reporting Purposes

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Bakersfield, CA 93313

Attention: Jon Buck

Sample Type: CAM Solid

Description: MW-5 @ 15', Vogue Tyres
Sampled by Jon Buck

Laboratory No: 0102199-3
Date Received: 02/15/01
Date Reported: 02/23/01
Contract No. :
Date Sampled : 02/13/01
Time Sampled :

REPORT OF ANALYTICAL RESULTS

Constituents	Results	Units	DLR	Method/Ref
BTXEM & TPH-Gasoline				
Methyl tert-Butyl Ether (MTBE)	ND	ug/kg	3000	8020/8015M/8
Benzene	25600	ug/kg	3000	8020/8015M/8
Toluene	12000	ug/kg	3000	8020/8015M/8
Ethylbenzene	55800	ug/kg	3000	8020/8015M/8
Total Xylenes	386000	ug/kg	3000	8020/8015M/8
TPH Gasoline	11700	mg/kg	3000	8020/8015M/8

Analyzed : 02/20/01 JMM

cc:

Method Reference
8. DOHS LUFT Manual

Jim Etherton, Lab Operations Manager

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
umhos/cm : micromhos/cm at 25 C
mmhos/cm : millimhos/cm at 25 C
ND : None Detected N/A : Not Applicable
NSS : Not Sufficient Sample for Analysis
DLR : Detection Limit for Reporting Purposes

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Bakersfield, CA 93313

Attention: Jon Buck

Sample Type: CAM Solid

Description: MW-5 @ 20', Vogue Tyres
Sampled by Jon Buck

Laboratory No: 0102199-4
Date Received: 02/15/01
Date Reported: 02/23/01
Contract No. :
Date Sampled : 02/13/01
Time Sampled :

REPORT OF ANALYTICAL RESULTS

Constituents	Results	Units	DLR	Method/Ref
BTXEM & TPH-Gasoline				
Methyl tert-Butyl Ether (MTBE)	ND	ug/kg	5.0	8020/8015M/8
Benzene	ND	ug/kg	5.0	8020/8015M/8
Toluene	ND	ug/kg	5.0	8020/8015M/8
Ethylbenzene	ND	ug/kg	5.0	8020/8015M/8
Total Xylenes	ND	ug/kg	15.0	8020/8015M/8
TPH Gasoline	ND	mg/kg	10	8020/8015M/8

Analyzed : 02/20/01 JMM

cc:

Method Reference
8. DOHS LUFT Manual

Jim Etherton, Lab Operations Manager

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
umhos/cm : micromhos/cm at 25 C
mmhos/cm : millimhos/cm at 25 C
ND : None Detected N/A : Not Applicable
NSS : Not Sufficient Sample for Analysis
DLR : Detection Limit for Reporting Purposes

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Bakersfield, CA 93313

Attention: Jon Buck

Sample Type: Water

Description: MW-6, Vogue Tyres
Sampled by Jon Buck

Laboratory No: 0102199-14
Date Received: 02/15/01
Date Reported: 02/23/01
Contract No. :
Date Sampled : 02/14/01
Time Sampled :

REPORT OF ANALYTICAL RESULTS

Constituents	Results	Units	DLR	Method/Ref
BTXEM & TPH-Gasoline				
Methyl tert-Butyl Ether (MTBE)	ND	ug/L	0.3	8020/8015M/8
Benzene	17.0	ug/L	0.3	8020/8015M/8
Toluene	0.967	ug/L	0.3	8020/8015M/8
Ethylbenzene	11.1	ug/L	0.3	8020/8015M/8
Total Xylenes	51.4	ug/L	7.5	8020/8015M/8
TPH Gasoline	1.34	mg/l	0.50	8020/8015M/8

Analyzed : 02/20/01 JMM

cc:

Method Reference
8. DOHS LUFT Manual

Jim Etherton, Lab Operations Manager

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
umhos/cm : micromhos/cm at 25 C
mmhos/cm : millimhos/cm at 25 C
ND : None Detected N/A : Not Applicable
NSS : Not Sufficient Sample for Analysis
DLR : Detection Limit for Reporting Purposes

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Bakersfield, CA 93313

Attention: Jon Buck

Sample Type: Water

Description: MW-7, Vogue Tyres
Sampled by Jon Buck

Laboratory No: 0102199-12
Date Received: 02/15/01
Date Reported: 02/23/01
Contract No. :
Date Sampled : 02/14/01
Time Sampled :

REPORT OF ANALYTICAL RESULTS

Constituents	Results	Units	DLR	Method/Ref
BTXEM & TPH-Gasoline				
Methyl tert-Butyl Ether (MTBE)	284	ug/L	7.5	8020/8015M/8
Benzene	ND	ug/L	0.3	8020/8015M/8
Toluene	ND	ug/L	0.3	8020/8015M/8
Ethylbenzene	ND	ug/L	0.3	8020/8015M/8
Total Xylenes	ND	ug/L	0.3	8020/8015M/8
TPH Gasoline	ND	mg/l	0.5	8020/8015M/8

Analyzed : 02/20/01 JMM

cc:

Method Reference
8. DOHS LUFT Manual

Jim Etherton, Lab Operations Manager

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
umhos/cm : micromhos/cm at 25 C
mmhos/cm : millimhos/cm at 25 C
ND : None Detected N/A : Not Applicable
NSS : Not Sufficient Sample for Analysis
DLR : Detection Limit for Reporting Purposes

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Advanced Environmental Concepts
4400 Ashe Road Suite 206
Bakersfield, CA 93313

Attention: Jon Buck

Sample Type: CAM Solid

Description: MW-7 @ 10', Vogue Tyres
Sampled by Jon Buck

Laboratory No: 0102199-9
Date Received: 02/15/01
Date Reported: 02/23/01
Contract No. :
Date Sampled : 02/13/01
Time Sampled :

REPORT OF ANALYTICAL RESULTS

Constituents	Results	Units	DLR	Method/Ref
BTXEM & TPH-Gasoline				
Methyl tert-Butyl Ether (MTBE)	ND	ug/kg	5.0	8020/8015M/8
Benzene	ND	ug/kg	5.0	8020/8015M/8
Toluene	ND	ug/kg	5.0	8020/8015M/8
Ethylbenzene	ND	ug/kg	5.0	8020/8015M/8
Total Xylenes	ND	ug/kg	15.0	8020/8015M/8
TPH Gasoline	ND	mg/kg	10	8020/8015M/8

Analyzed : 02/20/01 JMM

cc:

Method Reference
8. DOHS LUFT Manual

for John Zoletel
Jim Etherton, Lab Operations Manager

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
umhos/cm : micromhos/cm at 25 C
mmhos/cm : millimhos/cm at 25 C
ND : None Detected N/A : Not Applicable
NSS : Not Sufficient Sample for Analysis
DLR : Detection Limit for Reporting Purposes

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4400 Ashe Road Suite 206
Bakersfield, CA 93313

Attention: Jon Buck

Sample Type: CAM Solid

Description: MW-7 @ 15', Vogue Tyres
Sampled by Jon Buck

Laboratory No: 0102199-10
Date Received: 02/15/01
Date Reported: 02/23/01
Contract No. :
Date Sampled : 02/13/01
Time Sampled :

REPORT OF ANALYTICAL RESULTS

Constituents	Results	Units	DLR	Method/Ref
BTXEM & TPH-Gasoline				
Methyl tert-Butyl Ether (MTBE)	ND	ug/kg	5.0	8020/8015M/8
Benzene	ND	ug/kg	5.0	8020/8015M/8
Toluene	ND	ug/kg	5.0	8020/8015M/8
Ethylbenzene	ND	ug/kg	5.0	8020/8015M/8
Total Xylenes	ND	ug/kg	15.0	8020/8015M/8
TPH Gasoline	ND	mg/kg	10	8020/8015M/8

Analyzed : 02/20/01 JMM

cc:

Method Reference
B. DOHS LUFT Manual

for Jim Etherton, Lab Operations Manager

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
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NSS : Not Sufficient Sample for Analysis
DLR : Detection Limit for Reporting Purposes

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Advanced Environmental Concepts
4400 Ashe Road Suite 206
Bakersfield, CA 93313

Attention: Jon Buck

Sample Type: CAM Solid

Description: MW-7 @ 20', Vogue Tyres
Sampled by Jon Buck

Laboratory No: 0102199-11
Date Received: 02/15/01
Date Reported: 02/23/01
Contract No. :
Date Sampled : 02/13/01
Time Sampled :

REPORT OF ANALYTICAL RESULTS

Constituents	Results	Units	DLR	Method/Ref
BTXEM & TPH-Gasoline				
Methyl tert-Butyl Ether (MTBE)	ND	ug/kg	5.0	8020/8015M/8
Benzene	ND	ug/kg	5.0	8020/8015M/8
Toluene	ND	ug/kg	5.0	8020/8015M/8
Ethylbenzene	ND	ug/kg	5.0	8020/8015M/8
Total Xylenes	ND	ug/kg	15.0	8020/8015M/8
TPH Gasoline	ND	mg/kg	10	8020/8015M/8

Analyzed : 02/20/01 JMM

cc:

Method Reference
8. DOHS LUFT Manual

Jim Etherton, Lab Operations Manager

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
umhos/cm : micromhos/cm at 25 C
mmhos/cm : millimhos/cm at 25 C
ND : None Detected N/A : Not Applicable
NSS : Not Sufficient Sample for Analysis
DLR : Detection Limit for Reporting Purposes

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Advanced Environmental Concepts
4400 Ashe Road Suite 206
Bakersfield, CA 93313

Attention: Jon Buck

Sample Type: Water

Description: MW-8, Vogue Tyres
Sampled by Jon Buck

Laboratory No: 0102199-13
Date Received: 02/15/01
Date Reported: 02/23/01
Contract No. :
Date Sampled : 02/14/01
Time Sampled :

REPORT OF ANALYTICAL RESULTS

Constituents	Results	Units	DLR	Method/Ref
BTXEM & TPH-Gasoline				
Methyl tert-Butyl Ether (MTBE)	620	ug/L	15	8020/8015M/8
Benzene	3.97	ug/L	0.3	8020/8015M/8
Toluene	ND	ug/L	0.3	8020/8015M/8
Ethylbenzene	3.78	ug/L	0.3	8020/8015M/8
Total Xylenes	1.63	ug/L	0.6	8020/8015M/8
TPH Gasoline	1.00	mg/l	0.50	8020/8015M/8

Analyzed : 02/20/01 JMM

cc:

Method Reference
8. DOHS LUFT Manual

Jim Etherton, Lab Operations Manager

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
umhos/cm : micromhos/cm at 25 C
mmhos/cm : millimhos/cm at 25 C
ND : None Detected N/A : Not Applicable
NSS : Not Sufficient Sample for Analysis
DLR : Detection Limit for Reporting Purposes

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Bakersfield, California 93308

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FAX (661) 395-3069

Advanced Environmental Concepts
4400 Ashe Road Suite 206
Bakersfield, CA 93313

Attention: Jon Buck

Sample Type: CAM Solid

Description: MW-8 @ 5', Vogue Tyres
Sampled by Jon Buck

Laboratory No: 0102199-5
Date Received: 02/15/01
Date Reported: 02/23/01
Contract No. :
Date Sampled : 02/13/01
Time Sampled :

REPORT OF ANALYTICAL RESULTS

Constituents	Results	Units	DLR	Method/Ref
BTXEM & TPH-Gasoline				
Methyl tert-Butyl Ether (MTBE)	ND	ug/kg	5.0	8020/8015M/8
Benzene	ND	ug/kg	5.0	8020/8015M/8
Toluene	ND	ug/kg	5.0	8020/8015M/8
Ethylbenzene	ND	ug/kg	5.0	8020/8015M/8
Total Xylenes	ND	ug/kg	15.0	8020/8015M/8
TPH Gasoline	ND	mg/kg	10	8020/8015M/8

Analyzed : 02/20/01 JMM

cc:

Method Reference
8. DOHS LUFT Manual

Jim Etherton, Lab Operations Manager

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
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mmhos/cm : millimhos/cm at 25 C
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NSS : Not Sufficient Sample for Analysis
DLR : Detection Limit for Reporting Purposes

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Bakersfield, California 93308

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Advanced Environmental Concepts
4400 Ashe Road Suite 206
Bakersfield, CA 93313

Attention: Jon Buck

Sample Type: CAM Solid

Description: MW-8 @ 10', Vogue Tyres
Sampled by Jon Buck

Laboratory No: 0102199-6
Date Received: 02/15/01
Date Reported: 02/23/01
Contract No. :
Date Sampled : 02/13/01
Time Sampled :

REPORT OF ANALYTICAL RESULTS

Constituents	Results	Units	DLR	Method/Ref
BTXEM & TPH-Gasoline				
Methyl tert-Butyl Ether (MTBE)	ND	ug/kg	5.0	8020/8015M/8
Benzene	ND	ug/kg	5.0	8020/8015M/8
Toluene	ND	ug/kg	5.0	8020/8015M/8
Ethylbenzene	ND	ug/kg	5.0	8020/8015M/8
Total Xylenes	ND	ug/kg	15.0	8020/8015M/8
TPH Gasoline	ND	mg/kg	10	8020/8015M/8

Analyzed : 02/20/01 JMM

cc:

Method Reference
8. DOHS LUFT Manual

Jim Etherton, Lab Operations Manager

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
umhos/cm : micromhos/cm at 25 C
mmhos/cm : millimhos/cm at 25 C
ND : None Detected N/A : Not Applicable
NSS : Not Sufficient Sample for Analysis
DLR : Detection Limit for Reporting Purposes

ZALCO LABORATORIES, INC.
Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

(661) 395-0539
FAX (661) 395-3069

Advanced Environmental Concepts
4400 Ashe Road Suite 206
Bakersfield, CA 93313

Attention: Jon Buck

Sample Type: CAM Solid

Description: MW-8 @ 15', Vogue Tyres
Sampled by Jon Buck

Laboratory No: 0102199-7
Date Received: 02/15/01
Date Reported: 02/23/01
Contract No. :
Date Sampled : 02/13/01
Time Sampled :

REPORT OF ANALYTICAL RESULTS

Constituents	Results	Units	DLR	Method/Ref
BTXEM & TPH-Gasoline				
Methyl tert-Butyl Ether (MTBE)	ND	ug/kg	5.0	8020/8015M/8
Benzene	ND	ug/kg	5.0	8020/8015M/8
Toluene	ND	ug/kg	5.0	8020/8015M/8
Ethylbenzene	ND	ug/kg	5.0	8020/8015M/8
Total Xylenes	ND	ug/kg	15.0	8020/8015M/8
TPH Gasoline	ND	mg/kg	10	8020/8015M/8

Analyzed : 02/20/01 JMM

cc:

Method Reference
8. DOHS LUFT Manual

for Jim Etherton, Lab Operations Manager

mg/L : milligrams per Liter (parts per million)
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Advanced Environmental Concepts
4400 Ashe Road Suite 206
Bakersfield, CA 93313

Attention: Jon Buck

Sample Type: CAM Solid

Description: MW-8 @ 20', Vogue Tyres
Sampled by Jon Buck

Laboratory No: 0102199-8
Date Received: 02/15/01
Date Reported: 02/23/01
Contract No. :
Date Sampled : 02/13/01
Time Sampled :

REPORT OF ANALYTICAL RESULTS

Constituents	Results	Units	DLR	Method/Ref
BTXEM & TPH-Gasoline				
Methyl tert-Butyl Ether (MTBE)	72.3	ug/kg	5.0	8020/8015M/8
Benzene	ND	ug/kg	5.0	8020/8015M/8
Toluene	ND	ug/kg	5.0	8020/8015M/8
Ethylbenzene	ND	ug/kg	5.0	8020/8015M/8
Total Xylenes	ND	ug/kg	15.0	8020/8015M/8
TPH Gasoline	ND	mg/kg	10	8020/8015M/8

Analyzed : 02/20/01 JMM

cc:

Method Reference
8. DOHS LUFT Manual

for Jim Etherton, Lab Operations Manager

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
umhos/cm : micromhos/cm at 25 C
mmhos/cm : millimhos/cm at 25 C
ND : None Detected N/A : Not Applicable
NSS : Not Sufficient Sample for Analysis
DLR : Detection Limit for Reporting Purposes

CHAIN-OF-CUSTODY RECORD

.1.2199

Client: AEC	Date: 2/14/01		LAB Project #: 0102199
Project Name: VOGUE Tyres	Client Project #:		Page: 1 of 2
Project Address: 240 W. MacArthur Oakland CA	Turn Around Requested: ☐ 24-Hour-Rush ☐ 48-Hour-Rush ☒ Normal ☐ Mobile Lab		Lab Use Only. Sample Condition as received: Chilled: Yes / No Sealed: Yes / No
Sampler's Signature: Jonathan Bell			

Sample	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil(S) Sludge(SL), Aqueous(A)	Analysis Requested: TPH-g (BTXE/MTBE)	Number of Containers	Container / Comments
MW-5 @5'		2/13/01			S	/	1	Jon wants
MW-5 @10'		"				/	1	Soil Samples
MW-5 @15'		"				/	1	back.
MW-5 @20'		"				/	1	
MW-8 @5'		"				/	1	
MW-8 @10'		"				/	1	
MW-8 @15'		"				/	1	
MW-8 @20'		"				/	1	
MW-7 @10'		"				/	1	
MW-7 @15'		2/13/01				/	1	

Relinquished by: (Signature) Jonathan Bell	Date: 2/15/01	Received by: (Signature)	Date	10	Total Number of Containers
Company: AEC	Time: 1100	Company:	Time		
Relinquished by: (Signature)	Date	Received by Laboratory: (Signature)	Date: 2/15/01		
Company:	Time	Company: ZALCO LAB	Time: 1055		

ADVANCED ENVIRONMENTAL CONCEPTS INC
661/831-1646 FAX 661/831-1771
4400 ASHE ROAD, #206 BAKERSFIELD, CA 93313
E-mail: advanced@lightspeed.net

CHAIN-OF-CUSTODY RECORD

Client: AEC

Date: 2/13-14/01

LAB Project #: 0102199

Project Name: VOGUE Tyres

Client Project #:

Page 2 of 2

Project Address: 240 W. McArthur, Oakland, CA

Turn Around Requested:
- ❑ 24-Hour-Rush
- ❑ 48-Hour-Rush
- ☒ Normal
- ❑ Mobile Lab

Sampler's Signature: [signature]

Lab Use Only. Sample Condition as received: Chilled Yes / No; Sealed Yes / No

Analysis Requested: TPH-g / BTEX/MTBE

Sample	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil(S) Sludge(SL), Aqueous(A)	TPH-g / BTEX/MTBE							Number of Containers	Container / Comments
MW-7 @20'		2/13/01				✓							1	
MW-7		2/14/01				✓							2	
MW-8		"				✓							2	
MW-6		"				✓							2	
MW-5		2/14/01				✓							2	

● Relinquished by: (Signature) [signature]	Date 2/15/01	● Received by: (Signature)	Date	Total Number of Containers: 9
Company: AEC	Time 1100	Company:	Time	
● Relinquished by: (Signature)	Date	● Received by Laboratory: (Signature) [signature]	Date 2/15/01	
Company:	Time	Company: ZALCO LABS	Time 1050	

AEC
•ADVANCED ENVIRONMENTAL CONCEPTS INC•
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E-mail: advanced@lightspeed.net