■ ADVANCED ENVIRONMENTAL CONCEPTS INC ■

June 18, 2001

JUN 22 2001

Mr. Don Hwang
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite #250
Alameda, CA 94502-6577

Regarding: **May 2001 Quarterly Groundwater Sampling Report**
Vogue Tyres
240 W. McArthur Blvd.
Oakland, California
Stld 6059

Dear Mr. Hwang:

Please find enclosed the May 2001 Quarterly Groundwater Sampling Report prepared by **Advanced Environmental Concepts, Inc.** (AEC) for the above referenced project/location.

Enclosed please find that report, which AEC is submitting for your review.

Should you have any questions or require clarification on any aspects of the enclosed, please do not hesitate to contact our office at (661) 831-1646.

Respectfully yours,

Advanced Environmental Concepts, Inc.

Debbie Irwin
Project Coordinator / Office Administrator

Attachments: Reports (1)

cc: Mr. Warren Dodson

■ ADVANCED ENVIRONMENTAL CONCEPTS INC ■

May 27, 2001

Mr. Warren Dodson
Dodson Ltd.
1323 South Flower Street
Los Angeles, California 90015

JUN 2 2 2001

Regarding: **May 2001 Quarterly Groundwater Sampling Report**
Former Vogue Tyres Facility
240 West MacArthur Boulevard
Oakland, California

Dear Mr. Dodson:

Advanced Environmental Concepts, Inc. (**AEC**) is pleased to present this report of groundwater sampling performed at the former Vogue Tyres facility, 240 West MacArthur Boulevard, Oakland, California (**Attachment A, Figure 1**).

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 Gulf 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 Gulf 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. 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. Visual staining of waste oil range hydrocarbons 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 minor concentrations of 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 County.

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 the laboratory analyses are summarized below. Units are in milligrams per kilograms (mg/kg) which are equivalent to parts per million (ppm). Results of these analyses are listed in **Table 1**.

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TABLE 1
Analytical Results of Soil Samples
January 10, 1997

Sample ID	TPH-d	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene
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	1100	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		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 were 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 μg/kg.

The groundwater 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). Groundwater samples were also analyzed for total lead, oil and grease, and poly nuclear aromatics (PNAs). Results of the laboratory analyses are summarized below. Units are in micrograms per Liter (μg/L) which are equivalent to parts per billion (ppb). 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
BH1W	490	330	2.0	0.72	1.3	ND
BH2W	320	ND	ND	ND	ND	ND
BH4W	NA	6600	58	13	2740	110
BH6W	450	13,000	870	65	570	130
Detection Limits		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 were only run on BH2W and was less than 5 mg/L, and the PNAs exhibited non detectable concentrations.

On August 7, 1997, AEC supervised 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.

Soil analyses were performed by Associated Laboratories, Inc. to determine the presence and concentrations of hydrocarbons at the subject site by EPA methods 8015M and 8020. Analytical results for soil samples are presented in **Table 3**. Units are in milligrams per kilogram (mg/kg) which are equivalent to parts per million (ppm).

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

Sample ID	TPH-d	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene
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
MW-4-10'	ND	ND	ND	ND	ND	ND
MW-4-17'	ND	ND	ND	ND	ND	ND
Detection Limits		5.00	0.0050	0.0050	0.0050	0.0050

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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**. Units are in micrograms per Liter (μg/L) which are equivalent to parts per billion (ppb).

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

Sample ID	TPH-d	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene
MW-1	ND	1,140	110	16	112	15
MW-2	ND	5,530	108	36	144	33
MW-3	ND	8,500	450	30	106	53
MW-4	ND	ND	ND	ND	ND	ND
Detection Limits		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	2580 B	300.0 (Nitrate)	300.0 Sulfate	310.1	3500 FED	360.1
MW-1	311	7.1	92	238	0.10	8.2
MW-2	331	0	43	398	0.50	6.3
MW-3	330	0	56	368	ND	7.9
MW-4	307	19.5	87	140	ND	7.8
Detection Limits		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

In accordance with directives issued by ACHCS in a letter dated May 16, 2000, groundwater samples collected during June 2000 were also analyzed for the presence of ether oxygenates, specifically: Tertiary Amyl Methyl Ether (TAME), Diisopropyl Ether (DIPS), Ethyl Tertiary Butyl Ether (ETBE), Tertiary Butyl Alcohol (TBA) and the following lead scavengers: Ethylene Dibromide (EDB), Ethylene Dichloride (EDC), and 1,2-Dichloroethane (1,2-DCA). The following Table 7 presents the results of these additional analyses.

Table 6
Analytical Results
Ether Oxygenates & Lead Scavengers

Sample ID:	Date:	TAME	DIPE	ETBE	TBA	EDB	EDC	1,2-DCA
MW-1	06/26/00	<50.0	<50.0	<50.0	<1,000			<5.0
MW-2	06/26/00	<5.0	<5.0	<5.0	<100.0			<0.5
MW-3	06/26/00	<5.0	<5.0	<5.0	<100.0			<0.5
MW-4	06/26/00	<5.0	<5.0	<5.0	<100.0			<0.5
Units:	N/A	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l

On February 13, 2001 AEC drilled, sampled, and installed four additional groundwater monitoring wells (MW-5, MW-6, MW-7, and MW-8) on the subject property and offsite in MacArthur Boulevard and Howe Street. Soil samples, and groundwater samples were collected from the newly installed wells and are presented in **Tables 7 and 8**.

TABLE 7
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

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In accordance with directives issued by ACHCS in a letter dated May 16, 2000, groundwater samples collected during June 2000 were also analyzed for the presence of ether oxygenates, specifically: Tertiary Amyl Methyl Ether (TAME), Diisopropyl Ether (DIPS), Ethyl Tertiary Butyl Ether (ETBE), Tertiary Butyl Alcohol (TBA) and the following lead scavengers: Ethylene Dibromide (EDB), Ethylene Dichloride (EDC), and 1,2-Dichloroethane (1,2-DCA). The following Table 7 presents the results of these additional analyses.

TABLE 6
Analytical Results
Ether Oxygenates & Lead Scavengers

Sample ID:	Date:	TAME	DIPE	ETBE	TBA	EDB	EDC	1,2-DCA
MW-1	06/26/00	<50.0	<50.0	<50.0	<1,000			<5.0
MW-2	06/26/00	<5.0	<5.0	<5.0	<100.0			<0.5
MW-3	06/26/00	<5.0	<5.0	<5.0	<100.0			<0.5
MW-4	06/26/00	<5.0	<5.0	<5.0	<100.0			<0.5
Units:	N/A	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l

On February 13, 2001 AEC drilled, sampled, and installed four additional groundwater monitoring wells (MW-5, MW-6, MW-7, and MW-8) on the subject property and offsite in MacArthur Boulevard and Howe Street. Soil samples, and groundwater samples were collected from the newly installed wells and are presented in **Tables 7 and 8**.

TABLE 7
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

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TABLE 8
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

This groundwater sampling report documents the methods and procedures used and the laboratory analytical results obtained from the latest groundwater sampling event conducted at the subject property on May 11, 2001.

Groundwater Sampling

The groundwater samples were collected in accordance with the following protocol.

1) Depth to ground water was measured in each of the wells;

2) A bailer was used to collect a water sample from the potentiometric surface to visually determine whether free hydrocarbons or a sheen can be identified;

3) Initial readings of pH, Temperature, and Conductivity were obtained (**Attachment B**);

4) The water samples were collected in a clean, stainless steel bailer, then transferred to 40-ml. glass VOA vials with Teflon septa. Care was exercised to ensure that no air bubbles were present in the vials;

5) The VOA vials were labeled, sealed with tape, wrapped in a protective covering, and placed in an ice chest chilled with frozen Blue Ice with two (2) bailer blanks for transport to the laboratory. Chain-of-custody protocol was followed to ensure sample integrity and traceability;

6) The May 2001 samples were analyzed by BC Laboratories, Inc. a California-certified laboratory in Bakersfield, California, for total petroleum hydrocarbons as gasoline (TPH-g), volatile aromatics (BTXE), and MTBE by EPA methods 8015-modified and 8020, respectively. Volatile Organic Compounds results were confirmed by EPA Method 8260. The laboratory reports and chain-of-custody documentation are presented in **Attachment C**.

The following table summarizes the analytical results for **AEC**'s groundwater sampling program. Units are in micrograms per liter (µg/L) which are equivalent to parts per billion (ppb).

TABLE 9
Analytical Results - Monitoring Wells
(ppb)

Sample ID	Date	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene	MTBE
MW-1	08/8/97	1,140	110	16	112	15	NA
	12/3/97	ND	ND	ND	31	ND	NA
	03/16/98	370	8.9	ND	2.2	ND	18
	07/9/98	6,400	1,300	23	58	3.7	97
	10/19/98	2,500	360	44	150	1.3	ND
	01/19/99	2,700	1,200	28	78	140	130
	6/26/00	27,000	5,200	500	3,100	320	1,300
	12/15/00	976,000	2,490	1,420	10,100	3,640	<150
	02/14/01	NA	NA	NA	NA	NA	NA
	05/11/01	20,000	2,900	310	1,900	230	<30
MW-2	08/08/97	5,350	108	36	144	33	NA
	12/3/97	1,600	73	ND	ND	ND	NA
	3/16/98	3,400	830	100	240	210	870
	07/09/98	3,100	25	2.2	0.9	ND	1,900
	10/19/98	4,300	ND	1.2	1	ND	4,200
	01/19/99	2,900	160	8.9	7.4	6.9	2,100
	06/26/00	2,700	200	17.0	16.0	30.0	680
	12/15/00	3,020	56.7	<1.5	<1.5	<3.0	3,040
	02/14/01	NA	NA	NA	NA	NA	NA
	05/11/01	720	49	<3	<3	4.6	380
MW-3	08/08/97	8,500	450	30	106	53	NA
	12/03/97	5,200	180	6	9.3	5	NA
	03/16/98	1,000	6.0	ND	ND	ND	810
	07/09/98	6,400	490	57	78	23	220
	10/19/98	2,100	ND	ND	ND	ND	ND

Sample ID	Date	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene	MTBE
MW-3	01/19/99	4,400	450	65	42	26	1,300
	06/26/00	1,700	110	13.0	13.0	34.0	96.0
	12/15/00	5,450	445	<7.5	<7.5	23.8	603
	02/14/01	NA	NA	NA	NA	NA	NA
	05/11/01	1,900	180	12	19	<3	330
MW-4	08/08/97	ND	ND	ND	ND	ND	NA
	12/03/97	ND	ND	ND	ND	ND	NA
	03/16/98	ND	ND	ND	ND	ND	ND
	07/09/98	ND	ND	ND	ND	ND	ND
	10/19/98	ND	ND	ND	ND	ND	ND
	01/19/99	ND	ND	ND	ND	ND	ND
	06/26/00	<50.0	<0.5	<0.5	<0.5	<0.5	<0.5
	12/15/00	<500	<0.3	<0.3	<0.3	<0.6	<0.3
	02/14/01	NA	NA	NA	NA	NA	NA
	05/11/01	<50	1.2	<0.3	1.2	0.55	2.9
MW-5	02/14/01	5,660	76.9	21.1	312	47.3	<0.3
	05/11/01	22,000	2,600	480	2,700	220	<30
MW-6	02/14/01	1,340	17.0	0.967	51.4	11.1	<0.3
	05/11/01	610	15	0.97	46	<0.5	<0.5
MW-7	02/14/01	<0.005	<0.3	<0.3	<0.3	<0.3	284
	05/11/01	<50	0.75	0.77	2.4	0.48	1.1
MW-8	02/14/01	1,000	3.97	<0.3	1.63	3.78	620
	05/11/01	<50	<0.5	<0.5	<0.5	<0.5	4.4

TPH-g: Total Petroleum Hydrocarbons as gasoline

The current state maximum contaminant levels (MCLs) for drinking water set by the California Department of Health Services, Title 22 are as follows:

Benzene	1 µg/L
Toluene	2000 µg/L
Ethylbenzene	680 µg/L
Total Xylenes	1750 µg/L

Conclusions

The groundwater sampling results continue to indicate trace to non detectable concentrations of gasoline constituents analyzed within MW-4 (upgradient well) and MW-7 (downgradient well). MTBE concentrations decreased significantly for MW-7.

MW-1 and MW-5 continue to exhibit significant elevated concentrations for TPH-gasoline and volatile organic concentrations, however, MW-1 was significantly less than the previous sampling event while MW-5 exhibited a marked increase over its previous sampling event. MW-8, (lateral gradient well), also exhibited a sharp decrease in gasoline concentrations. It is the opinion of AEC that the groundwater concentrations will stabilize over time and that more consistent results will occur.

MW-2, MW-3, and MW-6 continue to indicate gasoline in the groundwater, although at lower concentrations, signifying that the primary source area for the contamination were the USTs.

Based on the absence of detectable concentrations of ether oxygenates groundwater samples collected in June 2000, oxygenate analyses were not performed on the samples collected on May 11, 2001.

The current gradient was calculated to be North 50° West and the gradient is 0.66 ft/100ft. Flow direction and gradient have remained relatively consistent with previous sampling rounds. The monitoring wells yielded adequate water volume and could not be bailed dry. Recharge was adequate in all eight wells.

Recommendations

Advanced Environmental Concepts, Inc. recommends continued sampling of the groundwater wells for this site. Additionally, it does not appear that this contamination will mitigate itself through natural attenuation, therefore, AEC recommends using a vacuum truck to remove the contaminated groundwater from MW-1 and MW-5 , and concurrently with the water removal perform vapor extraction on the two wells. This remediation method is termed "hi-vac", or "bio-slurping", and has proven effective in gasoline plume removal in areas that have limited access and space for a soil and groundwater treatment system. If "hi-vac" proves to be effective then AEC will recommend installation of two 4-inch diameter groundwater wells to facilitate removal of the hydrocarbons.

Closing

Advanced Environmental Concepts, Inc. appreciates the opportunity of providing our professional services to Mr. Warren Dodson. Should there be any questions or additional information required, please do not hesitate to contact our office at your convenience.

Respectfully yours,

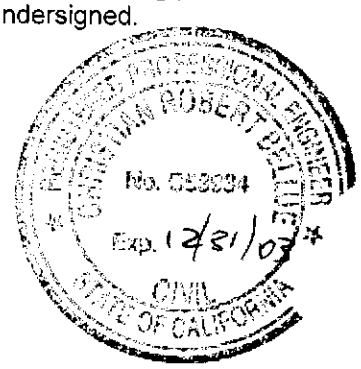
Advanced Environmental Concepts, Inc.

Jonathan L. Buck
Registered Environmental Assessor II #20017

All environmental site work with which **Advanced Environmental Concepts, Inc.** was involved, was performed under my supervision to ensure proper sampling protocol and environmental assessment. This report has been technically reviewed by the undersigned.

Christian Bellue
Registered Professional Engineer #C53934

Doc30ID



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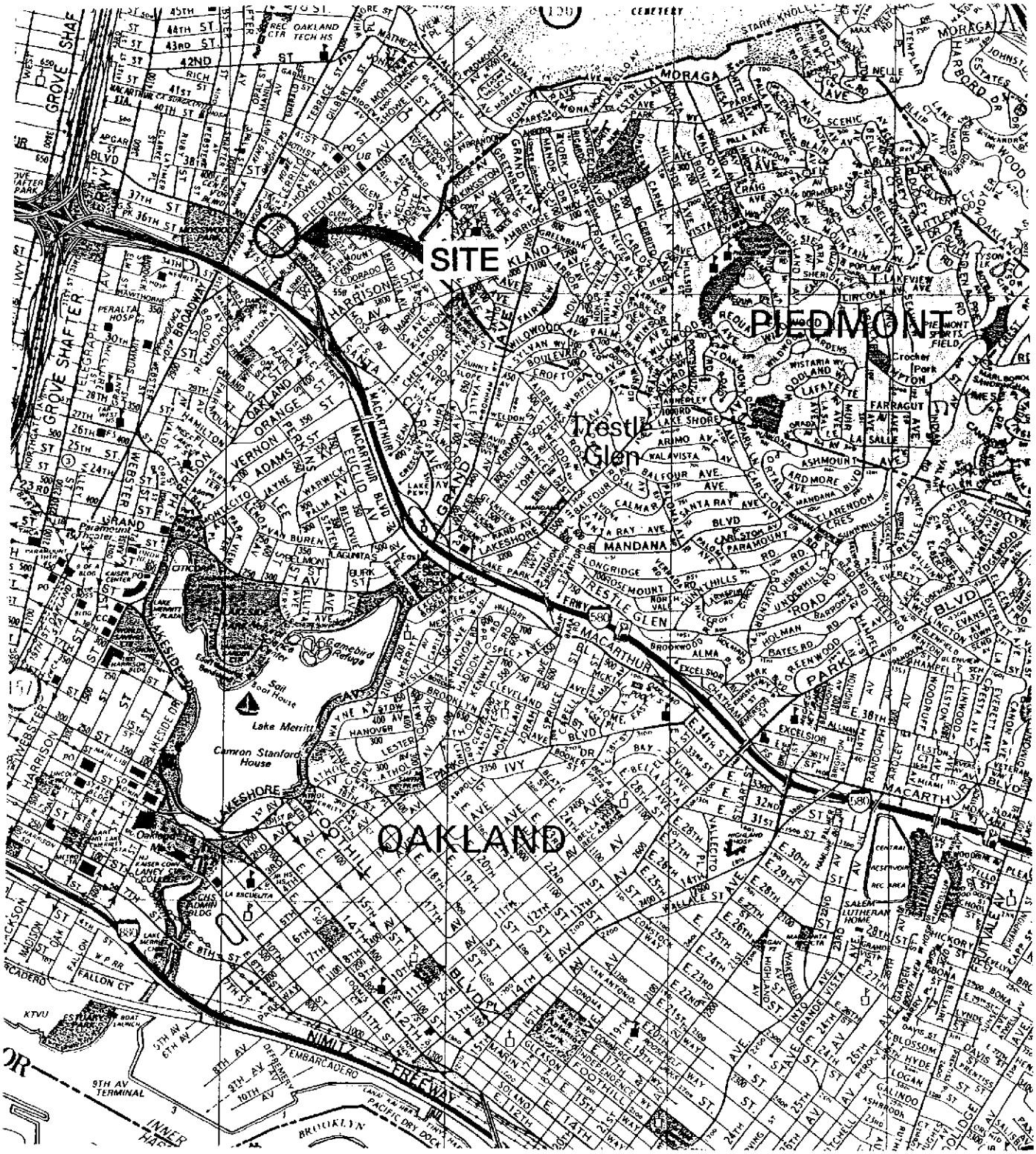


Map Source: Thomas Maps

ADVANCED ENVIRONMENTAL CONCEPTS INC

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

- SITE AREA -

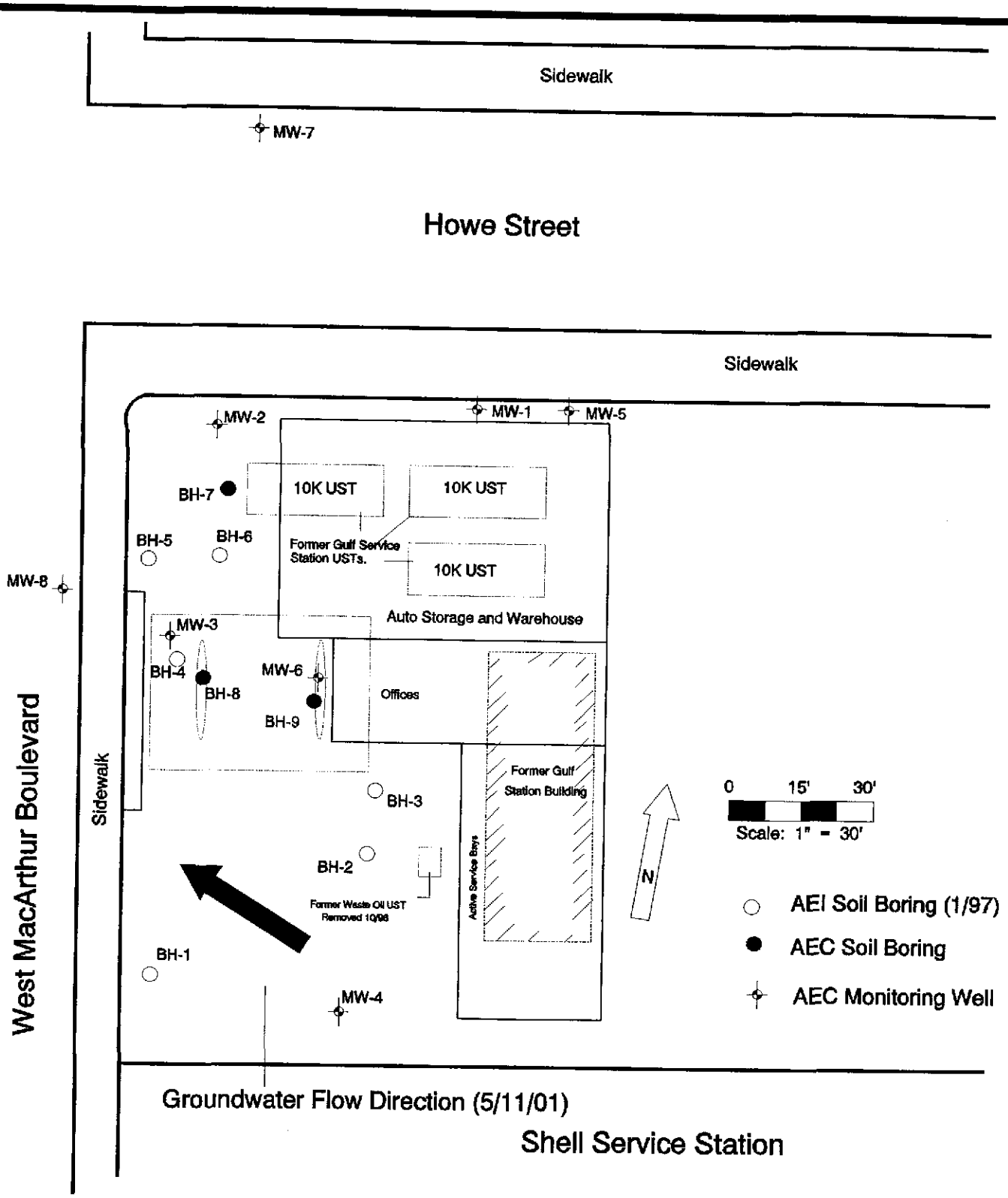
Prestige Products Corporation

240 West MacArthur Blvd.

County of Alameda - Oakland, California

FIGURE

1



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

- Location Map -

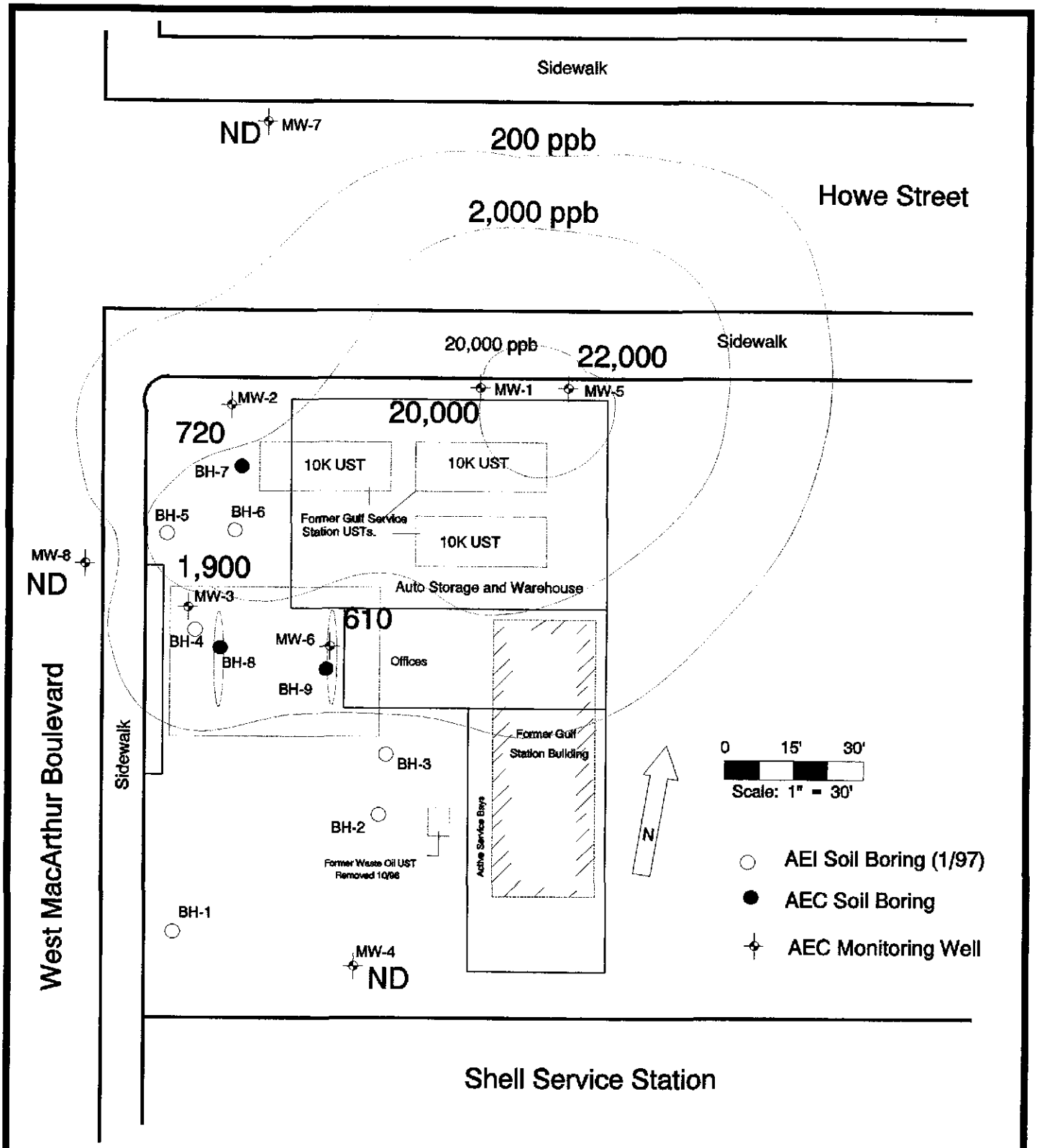
Former Vogue Tyres Facility

240 West MacArthur Boulevard

County of Alameda • Oakland, CA

FIGURE

2



ADVANCED ENVIRONMENTAL CONCEPTS INC

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

TPH-Gasoline in Water (ppb)

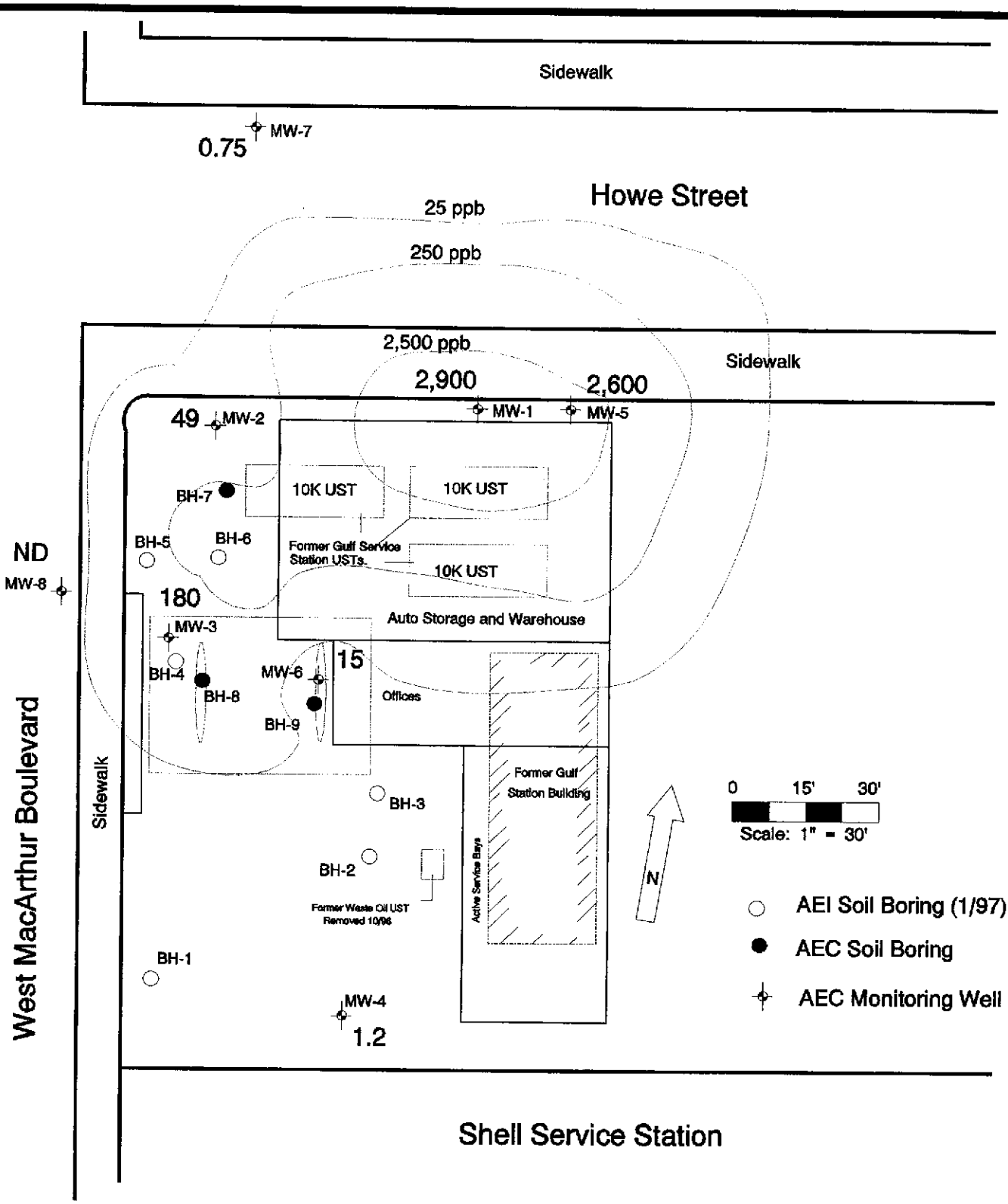
Former Vogue Tyres Facility

240 West MacArthur Boulevard

County of Alameda • Oakland, CA

FIGURE

3



ADVANCED ENVIRONMENTAL CONCEPTS INC

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

Benzene in Groundwater (ppb)

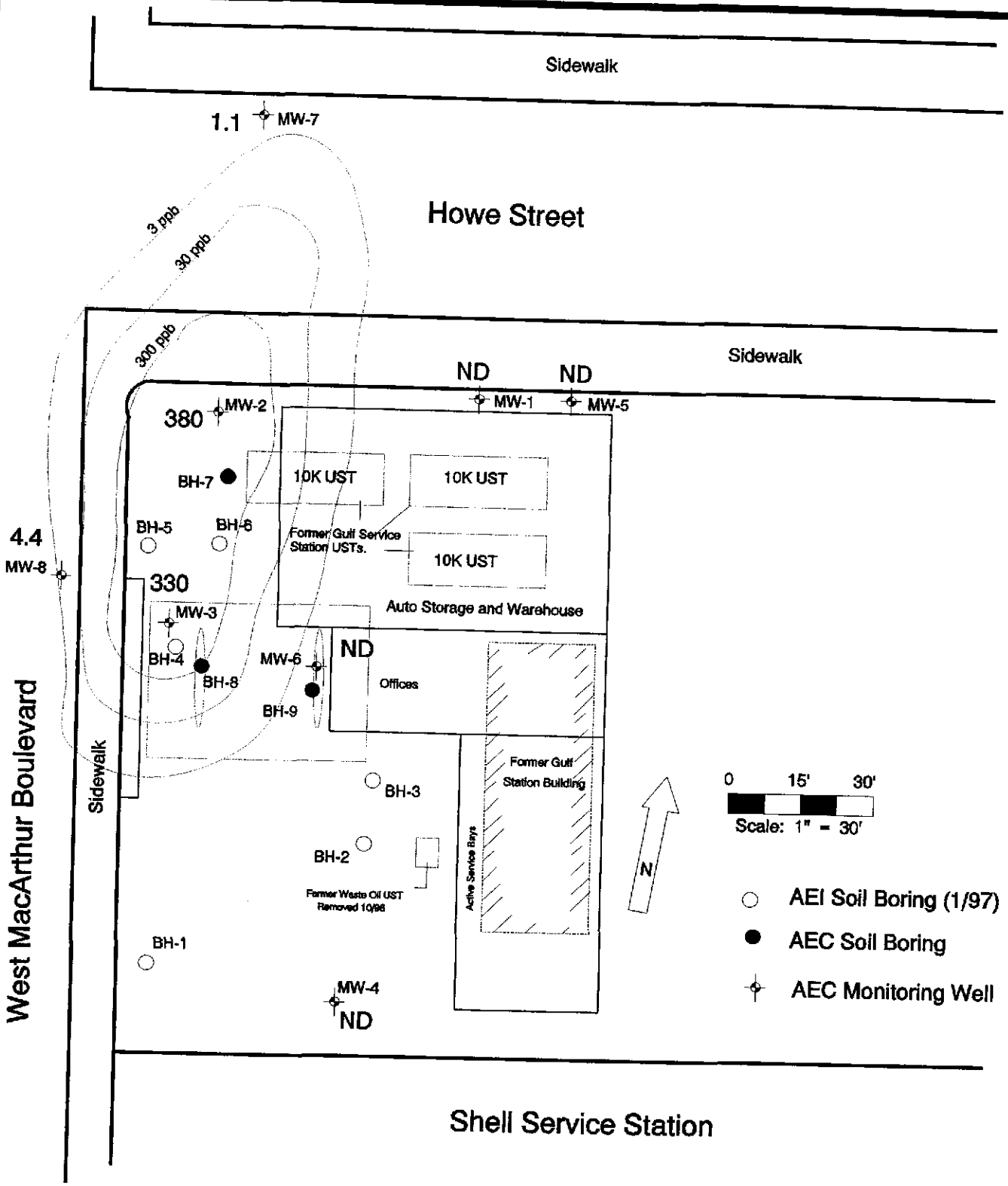
Former Vogue Tyres Facility

240 West MacArthur Boulevard

County of Alameda • Oakland, CA

FIGURE

4



ADVANCED ENVIRONMENTAL CONCEPTS INC

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

MTBE in Groundwater (ppb)

Former Vogue Tyres Facility

240 West MacArthur Boulevard

County of Alameda • Oakland, CA

FIGURE

5

Groundwater Parameters

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

Location: 240 West MacArthur Project #: _____

Oakland, CA Date: May 11, 2001

TIME	GALLONS PURGED	CONDUCTIVITY	TEMPERATURE	pH
	MONITORING WELL # 1			
	1 bailer	1,920	65.7	7.01
	MONITORING WELL # 2			
	1 bailer	1,670	65.5	6.97
	MONITORING WELL # 3			
	1 bailer	1,660	65.3	7.39

3 Casing Volumes

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

MW # 1 Depth to Groundwater = 15.57' Corrected Depth: 15.80' Survey: 4.38'

MW # 2 Depth to Groundwater = 14.98' Corrected Depth: 16.63' Survey: 5.80'

MW # 3 Depth to Groundwater = 14.08' Corrected Depth: 15.90' Survey: 5.97'

Groundwater Parameters

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

Location: 240 West MacArthur Project #: _____

Oakland, CA Date: May 11, 2001

TIME	GALLONS PURGED	CONDUCTIVITY	TEMPERATURE	pH
	MONITORING WELL # 4			
	1 bailer	1,640	65.8	7.43
	MONITORING WELL # 5			
	1 bailer	1,940	65.9	7.05
	MONITORING WELL # 6			
	1 bailer	1,870	66.1	7.42

3 Casing Volumes

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

MW # 4 Depth to Groundwater = 13.65' Corrected Depth: 15.35' Survey: 5.85'

MW # 5 Depth to Groundwater = 15.65' Corrected Depth: 15.65' Survey: 4.15'

MW # 6 Depth to Groundwater = 15.54' Corrected Depth: 16.53' Survey: 5.14'

Groundwater Parameters

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

Location: 240 West MacArthur **Project #:** _____

Oakland, CA **Date:** May 11, 2001

TIME	GALLONS PURGED	CONDUCTIVITY	TEMPERATURE	pH
	MONITORING WELL # 7			
	1 bailer	1,660	65.9	7.61
	MONITORING WELL # 8			
	1 bailer	1,940	66.1	7.49
	MONITORING WELL # ____			

3 Casing Volumes

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

MW # 7 Depth to Groundwater = 15.04' Corrected Depth: 16.13' Survey: 5.24'

MW # 8 Depth to Groundwater = 12.75 Corrected Depth: 15.78' Survey: 7.18'

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

BC Laboratories, Inc.

Purgeable Aromatics and Total Petroleum Hydrocarbons

ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672
4400 ASHE ROAD #206
BAKERSFIELD, CA 93313
Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-8

Project Number: VOGUE TYRES
Sample ID: MW-1
Sample Matrix: Aqueous

Date Collected: 05/11/2001
Date Extracted-8015M(g): 05/23/2001
Date Analyzed-8015M(g): 05/23/2001
Dilution Used-8015M(g): 100

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Gasoline Range Organics (C4 - C12)	20000.	µg/L	5000.
a,a,a-Trifluorotoluene (Surrogate)	73.	%	70-130

TEST METHOD: TPH by D.O.H.S. / L.U.F.T. Manual Method - Modified EPA 8015
Individual constituents by EPA Method 5030/8020.

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.
Sample received at pH = 8.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

Volatile Organic Analysis
(EPA Method 8260)

ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672
4400 ASHE ROAD #206
BAKERSFIELD, CA 93313
Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-8

Project Number: VOGUE TYRES
Sample ID: MW-1
Sample Matrix: Aqueous

Date Collected: 05/11/2001
Date Extracted: 05/24/2001
Date Analyzed: 05/24/2001
Dilution Used: 50

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit	
Benzene	2900.	µg/L	30.	
Bromobenzene	None Detected	µg/L	30.	
Bromochloromethane	None Detected	µg/L	30.	
Bromodichloromethane	None Detected	µg/L	30.	
Bromoform	None Detected	µg/L	30.	
Bromomethane	None Detected	µg/L	50.	
n-Butylbenzene	31.	µg/L	30.	
sec-Butylbenzene	None Detected	µg/L	30.	
tert-Butylbenzene	None Detected	µg/L	30.	
Carbon tetrachloride	None Detected	µg/L	30.	
Chlorobenzene	None Detected	µg/L	30.	
Chloroethane	None Detected	µg/L	30.	
Chloroform	None Detected	µg/L	30.	
Chloromethane	None Detected	µg/L	30.	
2-Chlorotoluene	None Detected	µg/L	30.	
4-Chlorotoluene	None Detected	µg/L	30.	
Dibromochloromethane	None Detected	µg/L	30.	
1,2-Dibromo-3-Chloropropane	None Detected	µg/L	50.	*03
1,2-Dibromoethane	None Detected	µg/L	30.	
Dibromomethane	None Detected	µg/L	30.	
1,2-Dichlorobenzene	None Detected	µg/L	30.	
1,3-Dichlorobenzene	None Detected	µg/L	30.	
1,4-Dichlorobenzene	None Detected	µg/L	30.	
Dichlorodifluoromethane	None Detected	µg/L	30.	
1,1-Dichloroethane	None Detected	µg/L	30.	
1,2-Dichloroethane	40.	µg/L	30.	
1,1-Dichloroethene	None Detected	µg/L	30.	
cis-1,2-Dichloroethene	None Detected	µg/L	30.	
trans-1,2-Dichloroethene	None Detected	µg/L	30.	
1,2-Dichloropropane	None Detected	µg/L	30.	
1,3-Dichloropropane	None Detected	µg/L	30.	
2,2-Dichloropropane	None Detected	µg/L	30.	*03
1,1-Dichloropropene	None Detected	µg/L	30.	
cis-1,3-Dichloropropene	None Detected	µg/L	30.	
trans-1,3-Dichloropropene	None Detected	µg/L	30.	
Ethyl Benzene	230.	µg/L	30.	
Hexachlorobutadiene	None Detected	µg/L	30.	*03
Isopropylbenzene	43.	µg/L	30.	
p-Isopropyltoluene	None Detected	µg/L	30.	
Methylene Chloride	None Detected	µg/L	50.	
Naphthalene	310.	µg/L	30.	
n-Propylbenzene	51.	µg/L	30.	

Volatile Organic Analysis
(EPA Method 8260)

ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672
4400 ASHE ROAD #206
BAKERSFIELD, CA 93313
Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-8

Sample Description: VOGUE TYRES, MW-1, 05/11/2001

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit	
Styrene	None Detected	µg/L	30.	
1,1,1,2-Tetrachloroethane	None Detected	µg/L	30.	
1,1,2,2-Tetrachloroethane	None Detected	µg/L	30.	*03
Tetrachloroethene	None Detected	µg/L	30.	
Toluene	310.	µg/L	30.	
1,2,3-Trichlorobenzene	None Detected	µg/L	30.	
1,2,4-Trichlorobenzene	None Detected	µg/L	30.	
1,1,1-Trichloroethane	None Detected	µg/L	30.	
1,1,2-Trichloroethane	None Detected	µg/L	30.	
Trichloroethene	None Detected	µg/L	30.	
Trichlorofluoromethane	None Detected	µg/L	30.	
1,2,3-Trichloropropane	None Detected	µg/L	50.	*03
1,1,2-Trichloro-1,2,2-trifluoroethane	None Detected	µg/L	30.	
1,2,4-Trimethylbenzene	730.	µg/L	30.	
1,3,5-Trimethylbenzene	170.	µg/L	30.	
Vinyl Chloride	None Detected	µg/L	30.	
Total Xylenes	1900.	µg/L	50.	
t-Amyl methyl ether	None Detected	µg/L	50.	
t-Butyl alcohol	None Detected	µg/L	3000.	
Diisopropyl ether	None Detected	µg/L	50.	
Ethyl-t-butyl ether	None Detected	µg/L	50.	
Methyl-t-butylether	None Detected	µg/L	30.	

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	88.	76-114
Toluene-d8	100.	88-110
4-Bromofluorobenzene	100.	86-115

Volatile Organic Analysis
(EPA Method 8260)

ADVANCED ENVIRONMENTAL CONCEPTS
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BAKERSFIELD, CA 93313
Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-8

Sample Description: VOGUE TYRES, MW-1, 05/11/2001

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.
Sample received at neutral pH.

Flag Explanations:
*03 = CCV recovery not within method limits.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

BC Laboratories, Inc.

Purgeable Aromatics
and
Total Petroleum Hydrocarbons

ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672
4400 ASHE ROAD #206
BAKERSFIELD, CA 93313
Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-4

Project Number: VOGUE TYRES
Sample ID: MW-2
Sample Matrix: Aqueous

Date Collected: 05/11/2001
Date Extracted-8015M(g): 05/23/2001
Date Analyzed-8015M(g): 05/23/2001
Dilution Used-8015M(g): 5

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Gasoline Range Organics (C4 - C12)	720.	µg/L	300.
a,a,a-Trifluorotoluene (Surrogate)	84.	%	70-130

TEST METHOD: TPH by D.O.H.S. / L.U.F.T. Manual Method - Modified EPA 8015
Individual constituents by EPA Method 5030/8020.

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.
Chromatogram not typical of gasoline, due to light hydrocarbons at the beginning of gas range.
Sample received at pH = 8.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

Volatile Organic Analysis
(EPA Method 8260)

ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672
4400 ASHE ROAD #206
BAKERSFIELD, CA 93313
Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-4

Project Number: VOGUE TYRES
Sample ID: MW-2
Sample Matrix: Aqueous

Date Collected: 05/11/2001
Date Extracted: 05/23/2001
Date Analyzed: 05/23/2001
Dilution Used: 5

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit	
Benzene	49.	µg/L	3.	
Bromobenzene	None Detected	µg/L	3.	
Bromochloromethane	None Detected	µg/L	3.	
Bromodichloromethane	None Detected	µg/L	3.	
Bromoform	None Detected	µg/L	3.	
Bromomethane	None Detected	µg/L	5.	
n-Butylbenzene	None Detected	µg/L	3.	
sec-Butylbenzene	None Detected	µg/L	3.	
tert-Butylbenzene	None Detected	µg/L	3.	
Carbon tetrachloride	None Detected	µg/L	3.	
Chlorobenzene	None Detected	µg/L	3.	
Chloroethane	None Detected	µg/L	3.	
Chloroform	None Detected	µg/L	3.	
Chloromethane	None Detected	µg/L	3.	
2-Chlorotoluene	None Detected	µg/L	3.	
4-Chlorotoluene	None Detected	µg/L	3.	
Dibromochloromethane	None Detected	µg/L	3.	
1,2-Dibromo-3-Chloropropane	None Detected	µg/L	5.	*03
1,2-Dibromoethane	None Detected	µg/L	3.	
Dibromomethane	None Detected	µg/L	3.	
1,2-Dichlorobenzene	None Detected	µg/L	3.	
1,3-Dichlorobenzene	None Detected	µg/L	3.	
1,4-Dichlorobenzene	None Detected	µg/L	3.	
Dichlorodifluoromethane	None Detected	µg/L	3.	
1,1-Dichloroethane	None Detected	µg/L	3.	
1,2-Dichloroethane	None Detected	µg/L	3.	
1,1-Dichloroethene	None Detected	µg/L	3.	
cis-1,2-Dichloroethene	48.	µg/L	3.	
trans-1,2-Dichloroethene	None Detected	µg/L	3.	
1,2-Dichloropropane	None Detected	µg/L	3.	
1,3-Dichloropropane	None Detected	µg/L	3.	
2,2-Dichloropropane	None Detected	µg/L	3.	*03
1,1-Dichloropropene	None Detected	µg/L	3.	
cis-1,3-Dichloropropene	None Detected	µg/L	3.	
trans-1,3-Dichloropropene	None Detected	µg/L	3.	
Ethyl Benzene	4.6	µg/L	3.	
Hexachlorobutadiene	None Detected	µg/L	3.	*03
Isopropylbenzene	None Detected	µg/L	3.	
p-Isopropyltoluene	None Detected	µg/L	3.	
Methylene Chloride	None Detected	µg/L	5.	
Naphthalene	3.7	µg/L	3.	
n-Propylbenzene	None Detected	µg/L	3.	

Volatile Organic Analysis
(EPA Method 8260)

ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672
4400 ASHE ROAD #206
BAKERSFIELD, CA 93313
Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-4

Sample Description: VOGUE TYRES, MW-2, 05/11/2001

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit	
Styrene	None Detected	µg/L	3.	
1,1,1,2-Tetrachloroethane	None Detected	µg/L	3.	
1,1,2,2-Tetrachloroethane	None Detected	µg/L	3.	*03
Tetrachloroethene	None Detected	µg/L	3.	
Toluene	None Detected	µg/L	3.	
1,2,3-Trichlorobenzene	None Detected	µg/L	3.	
1,2,4-Trichlorobenzene	None Detected	µg/L	3.	
1,1,1-Trichloroethane	None Detected	µg/L	3.	
1,1,2-Trichloroethane	None Detected	µg/L	3.	
Trichloroethene	4.3	µg/L	3.	
Trichlorofluoromethane	None Detected	µg/L	3.	
1,2,3-Trichloropropane	None Detected	µg/L	5.	*03
1,1,2-Trichloro-1,2,2-trifluoroethane	None Detected	µg/L	3.	
1,2,4-Trimethylbenzene	None Detected	µg/L	3.	
1,3,5-Trimethylbenzene	None Detected	µg/L	3.	
Vinyl Chloride	None Detected	µg/L	3.	
Total Xylenes	None Detected	µg/L	5.	
t-Amyl methyl ether	None Detected	µg/L	5.	
t-Butyl alcohol	None Detected	µg/L	300.	
Diisopropyl ether	None Detected	µg/L	5.	
Ethyl-t-butyl ether	None Detected	µg/L	5.	
Methyl-t-butylether	380.	µg/L	3.	

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	96.	76-114
Toluene-d8	101.	88-110
4-Bromofluorobenzene	99.	86-115

Volatile Organic Analysis
(EPA Method 8260)

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P.O. BOX 40672
4400 ASHE ROAD #206
BAKERSFIELD, CA 93313
Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-4

Sample Description: VOGUE TYRES, MW-2, 05/11/2001

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.
Sample received at neutral pH.

Flag Explanations:
*03 = CCV recovery not within method limits.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

BC Laboratories, Inc.

Purgeable Aromatics and Total Petroleum Hydrocarbons

ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672
4400 ASHE ROAD #206
BAKERSFIELD, CA 93313
Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-5

Project Number: VOGUE TYRES
Sample ID: MW-3
Sample Matrix: Aqueous

Date Collected: 05/11/2001
Date Extracted-8015M(g): 05/23/2001
Date Analyzed-8015M(g): 05/23/2001
Dilution Used-8015M(g): 10

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Gasoline Range Organics (C4 - C12)	1900.	µg/L	500.
a,a,a-Trifluorotoluene (Surrogate)	75.	%	70-130

TEST METHOD: TPH by D.O.H.S. / L.U.F.T. Manual Method - Modified EPA 8015
Individual constituents by EPA Method 5030/8020.

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.
Sample received at pH = 8.

California D.O.H.S. Cert. #1186

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Department Supervisor

Volatile Organic Analysis
(EPA Method 8260)

ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672
4400 ASHE ROAD #206
BAKERSFIELD, CA 93313
Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-5

Project Number: VOGUE TYRES
Sample ID: MW-3
Sample Matrix: Aqueous

Date Collected: 05/11/2001
Date Extracted: 05/24/2001
Date Analyzed: 05/24/2001
Dilution Used: 5

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit	
Benzene	180.	µg/L	3.	
Bromobenzene	None Detected	µg/L	3.	
Bromochloromethane	None Detected	µg/L	3.	
Bromodichloromethane	None Detected	µg/L	3.	
Bromoform	None Detected	µg/L	3.	
Bromomethane	None Detected	µg/L	5.	
n-Butylbenzene	None Detected	µg/L	3.	
sec-Butylbenzene	None Detected	µg/L	3.	
tert-Butylbenzene	None Detected	µg/L	3.	
Carbon tetrachloride	None Detected	µg/L	3.	
Chlorobenzene	None Detected	µg/L	3.	
Chloroethane	None Detected	µg/L	3.	
Chloroform	None Detected	µg/L	3.	
Chloromethane	None Detected	µg/L	3.	
2-Chlorotoluene	None Detected	µg/L	3.	
4-Chlorotoluene	None Detected	µg/L	3.	
Dibromochloromethane	None Detected	µg/L	3.	
1,2-Dibromo-3-Chloropropane	None Detected	µg/L	5.	*03
1,2-Dibromoethane	None Detected	µg/L	3.	
Dibromomethane	None Detected	µg/L	3.	
1,2-Dichlorobenzene	None Detected	µg/L	3.	
1,3-Dichlorobenzene	None Detected	µg/L	3.	
1,4-Dichlorobenzene	None Detected	µg/L	3.	
Dichlorodifluoromethane	None Detected	µg/L	3.	
1,1-Dichloroethane	None Detected	µg/L	3.	
1,2-Dichloroethane	None Detected	µg/L	3.	
1,1-Dichloroethene	None Detected	µg/L	3.	
cis-1,2-Dichloroethene	32.	µg/L	3.	
trans-1,2-Dichloroethene	None Detected	µg/L	3.	
1,2-Dichloropropane	None Detected	µg/L	3.	
1,3-Dichloropropane	None Detected	µg/L	3.	
2,2-Dichloropropane	None Detected	µg/L	3.	*03
1,1-Dichloropropene	None Detected	µg/L	3.	
cis-1,3-Dichloropropene	None Detected	µg/L	3.	
trans-1,3-Dichloropropene	None Detected	µg/L	3.	
Ethyl Benzene	None Detected	µg/L	3.	
Hexachlorobutadiene	None Detected	µg/L	3.	*03
Isopropylbenzene	None Detected	µg/L	3.	
p-Isopropyltoluene	None Detected	µg/L	3.	
Methylene Chloride	None Detected	µg/L	5.	
Naphthalene	3.3	µg/L	3.	
n-Propylbenzene	None Detected	µg/L	3.	

Volatile Organic Analysis
(EPA Method 8260)

ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672
4400 ASHE ROAD #206
BAKERSFIELD, CA 93313
Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-5

Sample Description: VOGUE TYRES, MW-3, 05/11/2001

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit	
Styrene	None Detected	µg/L	3.	
1,1,1,2-Tetrachloroethane	None Detected	µg/L	3.	
1,1,2,2-Tetrachloroethane	None Detected	µg/L	3.	*03
Tetrachloroethene	None Detected	µg/L	3.	
Toluene	12.	µg/L	3.	
1,2,3-Trichlorobenzene	None Detected	µg/L	3.	
1,2,4-Trichlorobenzene	None Detected	µg/L	3.	
1,1,1-Trichloroethane	None Detected	µg/L	3.	
1,1,2-Trichloroethane	None Detected	µg/L	3.	
Trichloroethene	None Detected	µg/L	3.	
Trichlorofluoromethane	None Detected	µg/L	3.	
1,2,3-Trichloropropane	None Detected	µg/L	5.	*03
1,1,2-Trichloro-1,2,2-trifluoroethane	None Detected	µg/L	3.	
1,2,4-Trimethylbenzene	None Detected	µg/L	3.	
1,3,5-Trimethylbenzene	6.8	µg/L	3.	
Vinyl Chloride	None Detected	µg/L	3.	
Total Xylenes	19.	µg/L	5.	
t-Amyl methyl ether	None Detected	µg/L	5.	
t-Butyl alcohol	None Detected	µg/L	300.	
Diisopropyl ether	None Detected	µg/L	5.	
Ethyl-t-butyl ether	None Detected	µg/L	5.	
Methyl-t-butylether	330.	µg/L	3.	

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	93.	76-114
Toluene-d8	104.	88-110
4-Bromofluorobenzene	95.	86-115

Volatile Organic Analysis
(EPA Method 8260)

ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672
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BAKERSFIELD, CA 93313
Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-5

Sample Description: VOGUE TYRES, MW-3, 05/11/2001

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.
Sample received at pH = 6.

Flag Explanations:
*03 = CCV recovery not within method limits.

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Stuart G. Buttram
Department Supervisor

Purgeable Aromatics
and
Total Petroleum Hydrocarbons

ADVANCED ENVIRONMENTAL CONCEPTS
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BAKERSFIELD, CA 93313
Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-1

Project Number: VOGUE TYRES
Sample ID: MW-4
Sample Matrix: Aqueous

Date Collected: 05/11/2001
Date Extracted-8020: 05/22/2001
Date Analyzed-8020: 05/22/2001
Dilution Used-8020: 1
Date Extracted-8015M(g): 05/22/2001
Date Analyzed-8015M(g): 05/22/2001
Dilution Used-8015M(g): 1

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	1.2	µg/L	0.3
Toluene	None Detected	µg/L	0.3
Ethyl Benzene	0.55	µg/L	0.3
Methyl-t-butylether	2.9	µg/L	1.
Total Xylenes	1.2	µg/L	0.6
Gasoline Range Organics (C4 - C12)	None Detected	µg/L	50.
a,a,a-Trifluorotoluene (Surrogate)	82.	%	70-130

TEST METHOD: TPH by D.O.H.S. / L.U.F.T. Manual Method - Modified EPA 8015
Individual constituents by EPA Method 5030/8020.

Sample received at pH = 8.
Results confirmed by GC/MS.

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Stuart G. Buttram
Department Supervisor

Purgeable Aromatics
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ADVANCED ENVIRONMENTAL CONCEPTS
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Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-7

Project Number: VOGUE TYRES
Sample ID: MW-5
Sample Matrix: Aqueous

Date Collected: 05/11/2001
Date Extracted-8015M(g): 05/23/2001
Date Analyzed-8015M(g): 05/23/2001
Dilution Used-8015M(g): 100

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Gasoline Range Organics (C4 - C12)	22000.	µg/L	5000.
a,a,a-Trifluorotoluene (Surrogate)	77.	%	70-130

TEST METHOD: TPH by D.O.H.S. / L.U.F.T. Manual Method - Modified EPA 8015
Individual constituents by EPA Method 5030/8020.

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.
Sample received at pH = 8.

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Stuart G. Buttram
Department Supervisor

Volatile Organic Analysis
(EPA Method 8260)

ADVANCED ENVIRONMENTAL CONCEPTS
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Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-7

Project Number: VOGUE TYRES
Sample ID: MW-5
Sample Matrix: Aqueous

Date Collected: 05/11/2001
Date Extracted: 05/23/2001
Date Analyzed: 05/23/2001
Dilution Used: 50

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	2600.	µg/L	30.
Bromobenzene	None Detected	µg/L	30.
Bromochloromethane	None Detected	µg/L	30.
Bromodichloromethane	None Detected	µg/L	30.
Bromoform	None Detected	µg/L	30.
Bromomethane	None Detected	µg/L	50.
n-Butylbenzene	None Detected	µg/L	30.
sec-Butylbenzene	None Detected	µg/L	30.
tert-Butylbenzene	None Detected	µg/L	30.
Carbon tetrachloride	None Detected	µg/L	30.
Chlorobenzene	None Detected	µg/L	30.
Chloroethane	None Detected	µg/L	30.
Chloroform	None Detected	µg/L	30.
Chloromethane	None Detected	µg/L	30.
2-Chlorotoluene	None Detected	µg/L	30.
4-Chlorotoluene	None Detected	µg/L	30.
Dibromochloromethane	None Detected	µg/L	30.
1,2-Dibromo-3-Chloropropane	None Detected	µg/L	50.
1,2-Dibromoethane	None Detected	µg/L	30.
Dibromomethane	None Detected	µg/L	30.
1,2-Dichlorobenzene	None Detected	µg/L	30.
1,3-Dichlorobenzene	None Detected	µg/L	30.
1,4-Dichlorobenzene	None Detected	µg/L	30.
Dichlorodifluoromethane	None Detected	µg/L	30.
1,1-Dichloroethane	None Detected	µg/L	30.
1,2-Dichloroethane	None Detected	µg/L	30.
1,1-Dichloroethene	None Detected	µg/L	30.
cis-1,2-Dichloroethene	None Detected	µg/L	30.
trans-1,2-Dichloroethene	None Detected	µg/L	30.
1,2-Dichloropropane	None Detected	µg/L	30.
1,3-Dichloropropane	None Detected	µg/L	30.
2,2-Dichloropropane	None Detected	µg/L	30.
1,1-Dichloropropene	None Detected	µg/L	30.
cis-1,3-Dichloropropene	None Detected	µg/L	30.
trans-1,3-Dichloropropene	None Detected	µg/L	30.
Ethyl Benzene	220.	µg/L	30.
Hexachlorobutadiene	None Detected	µg/L	30.
Isopropylbenzene	None Detected	µg/L	30.
p-Isopropyltoluene	None Detected	µg/L	30.
Methylene Chloride	None Detected	µg/L	50.
Naphthalene	290.	µg/L	30.
n-Propylbenzene	None Detected	µg/L	30.

Volatile Organic Analysis
(EPA Method 8260)

ADVANCED ENVIRONMENTAL CONCEPTS
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BAKERSFIELD, CA 93313
Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-7

Sample Description: VOGUE TYRES, MW-5, 05/11/2001

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Styrene	None Detected	µg/L	30.
1,1,1,2-Tetrachloroethane	None Detected	µg/L	30.
1,1,2,2-Tetrachloroethane	None Detected	µg/L	30.
Tetrachloroethene	None Detected	µg/L	30.
Toluene	480.	µg/L	30.
1,2,3-Trichlorobenzene	None Detected	µg/L	30.
1,2,4-Trichlorobenzene	None Detected	µg/L	30.
1,1,1-Trichloroethane	None Detected	µg/L	30.
1,1,2-Trichloroethane	None Detected	µg/L	30.
Trichloroethene	None Detected	µg/L	30.
Trichlorofluoromethane	None Detected	µg/L	30.
1,2,3-Trichloropropane	None Detected	µg/L	50.
1,1,2-Trichloro-1,2,2-trifluoroethane	None Detected	µg/L	30.
1,2,4-Trimethylbenzene	710.	µg/L	30.
1,3,5-Trimethylbenzene	240.	µg/L	30.
Vinyl Chloride	None Detected	µg/L	30.
Total Xylenes	2700.	µg/L	50.
t-Amyl methyl ether	None Detected	µg/L	50.
t-Butyl alcohol	None Detected	µg/L	3000.
Diisopropyl ether	None Detected	µg/L	50.
Ethyl-t-butyl ether	None Detected	µg/L	50.
Methyl-t-butylether	None Detected	µg/L	30.

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	92.	76-114
Toluene-d8	99.	88-110
4-Bromofluorobenzene	100.	86-115

Volatile Organic Analysis
(EPA Method 8260)

ADVANCED ENVIRONMENTAL CONCEPTS
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4400 ASHE ROAD #206
BAKERSFIELD, CA 93313
Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-7

Sample Description: VOGUE TYRES, MW-5, 05/11/2001

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.
Sample received at neutral pH.

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Stuart G. Buttram
Department Supervisor

BC Laboratories, Inc.

Purgeable Aromatics
and
Total Petroleum Hydrocarbons

ADVANCED ENVIRONMENTAL CONCEPTS
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BAKERSFIELD, CA 93313
Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-6

Project Number: VOGUE TYRES
Sample ID: MW-6
Sample Matrix: Aqueous

Date Collected: 05/11/2001
Date Extracted-8015M(g): 05/24/2001
Date Analyzed-8015M(g): 05/24/2001
Dilution Used-8015M(g): 5

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Gasoline Range Organics (C4 - C12)	610.	µg/L	300.
a,a,a-Trifluorotoluene (Surrogate)	79.	%	70-130

TEST METHOD: TPH by D.O.H.S. / L.U.F.T. Manual Method - Modified EPA 8015
Individual constituents by EPA Method 5030/8020.

Note: PQL's were raised due to high concentration of target analytes requiring sample dilution.
Chromatogram not typical of gasoline, due to light hydrocarbons at the beginning of gas range.
Sample received at pH = 8.

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Stuart G. Buttram
Department Supervisor

Volatile Organic Analysis
(EPA Method 8260)

ADVANCED ENVIRONMENTAL CONCEPTS
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Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-6

Project Number: VOGUE TYRES
Sample ID: MW-6
Sample Matrix: Aqueous

Date Collected: 05/11/2001
Date Extracted: 05/23/2001
Date Analyzed: 05/23/2001
Dilution Used: 1

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	15.	µg/L	0.5
Bromobenzene	None Detected	µg/L	0.5
Bromochloromethane	None Detected	µg/L	0.5
Bromodichloromethane	None Detected	µg/L	0.5
Bromoform	None Detected	µg/L	0.5
Bromomethane	None Detected	µg/L	1.
n-Butylbenzene	1.8	µg/L	0.5
sec-Butylbenzene	None Detected	µg/L	0.5
tert-Butylbenzene	None Detected	µg/L	0.5
Carbon tetrachloride	None Detected	µg/L	0.5
Chlorobenzene	None Detected	µg/L	0.5
Chloroethane	None Detected	µg/L	0.5
Chloroform	None Detected	µg/L	0.5
Chloromethane	None Detected	µg/L	0.5
2-Chlorotoluene	None Detected	µg/L	0.5
4-Chlorotoluene	None Detected	µg/L	0.5
Dibromochloromethane	None Detected	µg/L	0.5
1,2-Dibromo-3-Chloropropane	None Detected	µg/L	1.
1,2-Dibromoethane	None Detected	µg/L	0.5
Dibromomethane	None Detected	µg/L	0.5
1,2-Dichlorobenzene	None Detected	µg/L	0.5
1,3-Dichlorobenzene	None Detected	µg/L	0.5
1,4-Dichlorobenzene	None Detected	µg/L	0.5
Dichlorodifluoromethane	None Detected	µg/L	0.5
1,1-Dichloroethane	None Detected	µg/L	0.5
1,2-Dichloroethane	54.	µg/L	0.5
1,1-Dichloroethene	None Detected	µg/L	0.5
cis-1,2-Dichloroethene	None Detected	µg/L	0.5
trans-1,2-Dichloroethene	None Detected	µg/L	0.5
1,2-Dichloropropane	3.1	µg/L	0.5
1,3-Dichloropropane	None Detected	µg/L	0.5
2,2-Dichloropropane	None Detected	µg/L	0.5
1,1-Dichloropropene	None Detected	µg/L	0.5
cis-1,3-Dichloropropene	None Detected	µg/L	0.5
trans-1,3-Dichloropropene	None Detected	µg/L	0.5
Ethyl Benzene	None Detected	µg/L	0.5
Hexachlorobutadiene	None Detected	µg/L	0.5
Isopropylbenzene	None Detected	µg/L	0.5
p-Isopropyltoluene	2.7	µg/L	0.5
Methylene Chloride	None Detected	µg/L	1.
Naphthalene	3.3	µg/L	0.5
n-Propylbenzene	None Detected	µg/L	0.5

Volatile Organic Analysis
(EPA Method 8260)

ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672
4400 ASHE ROAD #206
BAKERSFIELD, CA 93313
Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-6

Sample Description: VOGUE TYRES, MW-6, 05/11/2001

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Styrene	None Detected	µg/L	0.5
1,1,1,2-Tetrachloroethane	None Detected	µg/L	0.5
1,1,2,2-Tetrachloroethane	None Detected	µg/L	0.5
Tetrachloroethene	None Detected	µg/L	0.5
Toluene	0.97	µg/L	0.5
1,2,3-Trichlorobenzene	None Detected	µg/L	0.5
1,2,4-Trichlorobenzene	None Detected	µg/L	0.5
1,1,1-Trichloroethane	None Detected	µg/L	0.5
1,1,2-Trichloroethane	None Detected	µg/L	0.5
Trichloroethene	None Detected	µg/L	0.5
Trichlorofluoromethane	None Detected	µg/L	0.5
1,2,3-Trichloropropane	None Detected	µg/L	1.
1,1,2-Trichloro-1,2,2-trifluoroethane	None Detected	µg/L	0.5
1,2,4-Trimethylbenzene	None Detected	µg/L	0.5
1,3,5-Trimethylbenzene	30.	µg/L	0.5
Vinyl Chloride	None Detected	µg/L	0.5
Total Xylenes	46.	µg/L	1.
t-Amyl methyl ether	None Detected	µg/L	1.
t-Butyl alcohol	83.	µg/L	50.
Diisopropyl ether	1.8	µg/L	1.
Ethyl-t-butyl ether	None Detected	µg/L	1.
Methyl-t-butylether	None Detected	µg/L	0.5

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	105.	76-114
Toluene-d8	106.	88-110
4-Bromofluorobenzene	108.	86-115

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

BC Laboratories, Inc.

Purgeable Aromatics and Total Petroleum Hydrocarbons

ADVANCED ENVIRONMENTAL CONCEPTS
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Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-2

Project Number: VOGUE TYRES
Sample ID: MW-7
Sample Matrix: Aqueous

Date Collected: 05/11/2001
Date Extracted-8020: 05/22/2001
Date Analyzed-8020: 05/22/2001
Dilution Used-8020: 1
Date Extracted-8015M(g): 05/22/2001
Date Analyzed-8015M(g): 05/22/2001
Dilution Used-8015M(g): 1

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	0.75	µg/L	0.3
Toluene	0.77	µg/L	0.3
Ethyl Benzene	0.48	µg/L	0.3
Methyl-t-butylether	1.1	µg/L	1.
Total Xylenes	2.4	µg/L	0.6
Gasoline Range Organics (C4 - C12)	None Detected	µg/L	50.
a,a,a-Trifluorotoluene (Surrogate)	81.	%	70-130

TEST METHOD: TPH by D.O.H.S. / L.U.F.T. Manual Method - Modified EPA 8015
Individual constituents by EPA Method 5030/8020.

Sample received at pH = 8.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

BC Laboratories, Inc.

Purgeable Aromatics and Total Petroleum Hydrocarbons

ADVANCED ENVIRONMENTAL CONCEPTS
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BAKERSFIELD, CA 93313
Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-3

Project Number: VOGUE TYRES
Sample ID: MW-8
Sample Matrix: Aqueous

Date Collected: 05/11/2001
Date Extracted-8015M(g): 05/22/2001
Date Analyzed-8015M(g): 05/22/2001
Dilution Used-8015M(g): 1

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Gasoline Range Organics (C4 - C12)	None Detected	µg/L	50.
a,a,a-Trifluorotoluene (Surrogate)	78.	%	70-130

TEST METHOD: TPH by D.O.H.S. / L.U.F.T. Manual Method - Modified EPA 8015
Individual constituents by EPA Method 5030/8020.

Sample received at pH = 8.

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Stuart G. Buttram
Department Supervisor

Volatile Organic Analysis
(EPA Method 8260)

ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672
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BAKERSFIELD, CA 93313
Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-3

Project Number: VOGUE TYRES
Sample ID: MW-8
Sample Matrix: Aqueous

Date Collected: 05/11/2001
Date Extracted: 05/23/2001
Date Analyzed: 05/23/2001
Dilution Used: 1

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Benzene	None Detected	µg/L	0.5
Bromobenzene	None Detected	µg/L	0.5
Bromochloromethane	None Detected	µg/L	0.5
Bromodichloromethane	None Detected	µg/L	0.5
Bromoform	None Detected	µg/L	0.5
Bromomethane	None Detected	µg/L	1.
n-Butylbenzene	None Detected	µg/L	0.5
sec-Butylbenzene	None Detected	µg/L	0.5
tert-Butylbenzene	None Detected	µg/L	0.5
Carbon tetrachloride	None Detected	µg/L	0.5
Chlorobenzene	None Detected	µg/L	0.5
Chloroethane	None Detected	µg/L	0.5
Chloroform	None Detected	µg/L	0.5
Chloromethane	None Detected	µg/L	0.5
2-Chlorotoluene	None Detected	µg/L	0.5
4-Chlorotoluene	None Detected	µg/L	0.5
Dibromochloromethane	None Detected	µg/L	0.5
1,2-Dibromo-3-Chloropropane	None Detected	µg/L	1.
1,2-Dibromoethane	None Detected	µg/L	0.5
Dibromomethane	None Detected	µg/L	0.5
1,2-Dichlorobenzene	None Detected	µg/L	0.5
1,3-Dichlorobenzene	None Detected	µg/L	0.5
1,4-Dichlorobenzene	None Detected	µg/L	0.5
Dichlorodifluoromethane	None Detected	µg/L	0.5
1,1-Dichloroethane	None Detected	µg/L	0.5
1,2-Dichloroethane	None Detected	µg/L	0.5
1,1-Dichloroethene	None Detected	µg/L	0.5
cis-1,2-Dichloroethene	None Detected	µg/L	0.5
trans-1,2-Dichloroethene	None Detected	µg/L	0.5
1,2-Dichloropropane	None Detected	µg/L	0.5
1,3-Dichloropropane	None Detected	µg/L	0.5
2,2-Dichloropropane	None Detected	µg/L	0.5
1,1-Dichloropropene	None Detected	µg/L	0.5
cis-1,3-Dichloropropene	None Detected	µg/L	0.5
trans-1,3-Dichloropropene	None Detected	µg/L	0.5
Ethyl Benzene	None Detected	µg/L	0.5
Hexachlorobutadiene	None Detected	µg/L	0.5
Isopropylbenzene	None Detected	µg/L	0.5
p-Isopropyltoluene	None Detected	µg/L	0.5
Methylene Chloride	None Detected	µg/L	1.
Naphthalene	None Detected	µg/L	0.5
n-Propylbenzene	None Detected	µg/L	0.5

Volatile Organic Analysis
(EPA Method 8260)

ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672
4400 ASHE ROAD #206
BAKERSFIELD, CA 93313
Attn: DEBBIE 805-831-1646

Date Reported: 06/01/2001
Date Received: 05/16/2001
Laboratory No.: 01-05725-3

Sample Description: VOGUE TYRES, MW-8, 05/11/2001

Constituents	Analysis Results	Reporting Units	Practical Quantitation Limit
Styrene	None Detected	µg/L	0.5
1,1,1,2-Tetrachloroethane	None Detected	µg/L	0.5
1,1,2,2-Tetrachloroethane	None Detected	µg/L	0.5
Tetrachloroethene	None Detected	µg/L	0.5
Toluene	None Detected	µg/L	0.5
1,2,3-Trichlorobenzene	None Detected	µg/L	0.5
1,2,4-Trichlorobenzene	None Detected	µg/L	0.5
1,1,1-Trichloroethane	None Detected	µg/L	0.5
1,1,2-Trichloroethane	None Detected	µg/L	0.5
Trichloroethene	None Detected	µg/L	0.5
Trichlorofluoromethane	None Detected	µg/L	0.5
1,2,3-Trichloropropane	None Detected	µg/L	1.
1,1,2-Trichloro-1,2,2-trifluoroethane	None Detected	µg/L	0.5
1,2,4-Trimethylbenzene	None Detected	µg/L	0.5
1,3,5-Trimethylbenzene	None Detected	µg/L	0.5
Vinyl Chloride	None Detected	µg/L	0.5
Total Xylenes	None Detected	µg/L	1.
t-Amyl methyl ether	None Detected	µg/L	1.
t-Butyl alcohol	None Detected	µg/L	50.
Diisopropyl ether	None Detected	µg/L	1.
Ethyl-t-butyl ether	None Detected	µg/L	1.
Methyl-t-butylether	4.4	µg/L	0.5

Quality Control Data

Surrogates	% Recovery	Control Limits
1,2-Dichloroethane-d4	92.	76-114
Toluene-d8	99.	88-110
4-Bromofluorobenzene	99.	86-115

Note: Sample received at neutral pH.

California D.O.H.S. Cert. #1186

Stuart G. Buttram
Department Supervisor

BC Laboratories, Inc

B C LABORATORIES
QUALITY CONTROL REPORT
(Precision & Accuracy)

ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672
4400 ASHE ROAD #206
BAKERSFIELD, CA 93313
DEBBIE

Date of Report: 06/13/2001
Sample Matrix: Aqueous
QC Batch ID: 200105725-1*8020

Samples Affected: 01-05725-1 - 01-05725-8

Constituents	QC Sample ID	Sample Result	MS Result	MSD Result	MS Spike Level	MSD Spike Level	Units	Spike R.P.D.	Precision Control Limits	MS % Rec	MSD % Rec	Accuracy Control Limits
Benzene	05608-1	1.7	48.20	43.70	50.00	50.00	µg/L	10.	10	93.	84.	80 - 120
Toluene	05608-1	0.4	45.30	41.04	50.00	50.00	µg/L	10.	10	90.	81.	80 - 120
Ethyl Benzene	05608-1	0.8	44.93	41.56	50.00	50.00	µg/L	8.	10	88.	81.	80 - 120
Methyl-t-butylether	05608-1	< 1.	46.47	42.62	50.00	50.00	µg/L	9.	10	92.	85.	80 - 120
p&m Xylenes	05608-1	1.8	88.45	82.65	100.00	100.00	µg/L	7.	10	87.	81.	80 - 120
o Xylene	05608-1	0.3	43.90	47.14	50.00	50.00	µg/L	7.	10	87.	94.	80 - 120
Gasoline Range Organics (C4 - C12)	05608-1	< 50.	1012.	1021.	928.	928.	µg/L	9.	20	109.	110.	85 - 115

MS = Matrix Spike; MSD = Matrix Spike Duplicate; RPD = Relative Percent Difference

Quality Control Officer

Danette Bohm

BC Laboratories, Inc

B C LABORATORIES
QUALITY CONTROL REPORT
(Precision & Accuracy)
Method 8260

ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672
4400 ASHE ROAD #206
BAKERSFIELD, CA 93313
DEBBIE

Date of Report: 06/09/2001
Sample Matrix: Aqueous
QC Batch ID: 200105725-3*8260

Samples Affected: 01-05725-3 - 01-05725-8

Constituents	QC Sample ID	Sample Result	MS Result	MSD Result	MS Spike Level	MSD Spike Level	Units	Spike R.P.D.	Precision Control Limits	MS % Rec	MSD % Rec	Accuracy Control Limits
Benzene	05737-7	< 0.5	27.516	27.648	25.000	25.000	µg/L	0.	20	110.	110.	80 - 120
Bromodichloromethane	05737-7	< 0.5	22.235	22.557	25.000	25.000	µg/L	1.	20	89.	90.	80 - 120
Chlorobenzene	05737-7	< 0.5	25.225	23.877	25.000	25.000	µg/L	5.	20	101.	96.	80 - 120
Chloroethane	05737-7	< 0.5	28.062	27.692	25.000	25.000	µg/L	1.	20	114.	112.	80 - 120
1,4-Dichlorobenzene	05737-7	< 0.5	23.664	23.424	25.000	25.000	µg/L	1.	20	95.	94.	80 - 120
1,1-Dichloroethane	05737-7	< 0.5	27.444	26.929	25.000	25.000	µg/L	2.	20	110.	108.	80 - 120
1,1-Dichloroethene	05737-7	< 0.5	25.156	24.463	25.000	25.000	µg/L	3.	20	101.	98.	80 - 120
Toluene	05737-7	< 0.5	25.595	25.847	25.000	25.000	µg/L	1.	20	102.	103.	80 - 120
Trichloroethene	05737-7	< 0.5	23.810	23.968	25.000	25.000	µg/L	1.	20	95.	96.	80 - 120

MS = Matrix Spike; MSD = Matrix Spike Duplicate; RPD = Relative Percent Difference

Quality Control Officer

Danette Bohm

4100 Atlas Court * Bakersfield, CA 93308 * (661) 327-4911 * Fax (661) 327-1918 * www.bclabs.com

BC LABORATORIES INC. **SAMPLE RECEIPT FORM** Rev. No.7 10/03/00 Page 1 Of 1

Submission #: 01-05725 | Project Code: | TB Batch #

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☒

BC Lab Field Service ☐ Other ☐ (Specify)_____

SHIPPING CONTAINER

Ice Chest ☐ None ☒

Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☐ Blue Ice ☐ None ☒ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received

☒ YES ☐ NO

Ice Chest ID _____ Date/Time 5-16-01 1435

Temperature: 4.3 °C

Thermometer ID: 082 Analyst Init SW

Emissivity 0.95

Container Sleeve

Ice Chest ID _____ Date/Time _____

Temperature: _____ °C

Thermometer ID: _____ Analyst Init _____

Emissivity _____

Container _____

SAMPLE CONTAINERS	SAMPLE NUMBERS																							
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
QT GENERAL MINERAL/ GENERAL PHYSICAL																								
PT PE UNPRESERVED																								
QT INORGANIC CHEMICAL METALS																								
PT INORGANIC CHEMICAL METALS																								
PT CYANIDE																								
PT NITROGEN FORMS																								
PT TOTAL SULFIDE																								
2oz. NITRATE / NITRITE																								
100ml TOTAL ORGANIC CARBON																								
QT TOX																								
PT CHEMICAL OXYGEN DEMAND																								
100ml PHENOLICS																								
40ml VOA VIAL TRAVEL BLANK																								
40ml VOA VIAL	2	2	2	2	2	2	2	2																
QT EPA 413.1, 413.2, 418.1																								
PT ODOR																								
RADIOLOGICAL																								
BACTERIOLOGICAL																								
PT EPA 504																								
QT EPA 508/608/8080																								
QT EPA 515.1/8150																								
QT EPA 525																								
QT EPA 525 TRAVEL BLANK																								
100ml EPA 547																								
100ml EPA 531.1																								
QT EPA 548																								
QT EPA 549																								
QT EPA 632																								
QT EPA 8015M																								
QT OA/QC																								
QT AMBER																								
8 OZ. JAR																								
32 OZ. JAR																								
SOIL SLEEVE																								
PCB VIAL																								
PLASTIC BAG																								

Comments:_____

Sample Numbering Completed By: SS Date/Time: 5/16 1650

01-05725

CHAIN-OF-CUSTODY RECORD

Client: AEC	Date: 5/11/01	LAB Project #	
Project Name: VOGUE TYRES	Client Project #	Page 1 of 1	
Project Address: 240 West MacArthur Oakland CA 9	**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: [signature]			

Analysis Requested

	Sample	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil(S) Sludge(SL), Aqueous(A)	[illegible]	8260 (full oxygenates)	TPH-g	TPH-g/BTXE/MTBE				Number of Containers	Container / Comments
-1	MW-4		5/11/01			A				/				2	
-2	MW-7		"			A				/				2	
-3	MW-8		"			A		/	/					2	
-4	MW-2		"			A		/	/					2	
-5	MW-3		5/11/01			A		/	/					2	
-6	MW-6		"			A		/	/					2	
-7	MW-5		"			A		/	/					2	
-8	MW-1		5/11/01			A		/	/					2	

DISTRIBUTION ☐ SUB-OUT ☐ SB
CHK BY [initials]

❶ Relinquished by: (Signature) [signature]	Date 5/16/01	❷ Received by: (Signature) [signature]	Date 5-16-01	16	Total Number of Containers
Company: AEC	Time 1433	Company:	Time 1432		
❸ Relinquished by: (Signature)	Date	❹ Received by Laboratory: (Signature)	Date		
Company:	Time	Company:	Time		

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