■ ADVANCED ENVIRONMENTAL CONCEPTS INC ■

Alameda County
MAY 30 2003
Environmental Health

May 27, 2003

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

Regarding: **2nd Quarter Groundwater Sampling Report (2003)**
Former Vogue Tyres Facility
240 West MacArthur Boulevard
Oakland, California

Dear Mr. Hwang,

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

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
Office Administrator

Attachments: Reports (1)

cc: Mr. Glen Poy-Wing

■ ADVANCED ENVIRONMENTAL CONCEPTS INC ■

April 30, 2003

Mr. Glen Poy-Wing
Oakland Auto Work
240 W. MacArthur Blvd.
Oakland, CA 94611

Regarding: **2nd Quarter Groundwater Sampling (2003)**
Former Vogue Tyres Facility
240 West MacArthur Boulevard
Oakland, Califoria

Dear Mr. Poy-Wing:

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**).

1.0 BACKGROUND

The former 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).

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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).

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 the drilling of three Geoprobe soil borings (BH-7, BH-8, and BH-9), and installation of four groundwater monitoring wells (MW-1, MW-2, MW-3, and MW-4) 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.

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 (DIPE), 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).

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 and groundwater samples were collected from the newly installed wells and reported in prior quarterly sampling reports.

In addition to the quarterly groundwater sampling AEC conducted a "hi-vac" feasibility study from October 22-26, 2001. The "hi-vac" study consisted of removing impacted soil vapor and groundwater primarily from monitoring wells MW-1, MW-2, MW-3, and MW-5.

2.0 QUARTERLY 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 March 18, 2003 samples were analyzed by Associated Laboratories, a California-certified laboratory in Orange, California, for total petroleum hydrocarbons as gasoline (TPH-g), volatile aromatics (BTXE), and MTBE by EPA methods 8015-modified and 8021B, respectively. The laboratory reports and chain-of-custody documentation are presented in **Attachment C**.

TABLE 1
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
	07/11/01	92,000	2,900	580	20,000	2,800	560
Pre "hi-vac"	10/22/01	**20,000**	**3,700**	**560**	**4,600**	**410**	**2,600**
Post "hi-vac"	10/26/01	**<0.05**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
	12/19/01	3,300	200	12	43	5.7	44.
	03/18/02	4,600	820	4.4	300	100	210
	05/24/02	1,600	100	23	190	20	7.7
	07/12/02	2,300	250	15	180	13	180
	10/25/02	1,820	222	16	59	<0.3	58
	01/27/03	2,880	188	<50	157	<50	20

Sample ID	Date	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene	MTBE
MW-1	03/18/03	6,700	607	64	288	64	<0.18
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
	07/09/01	8,400	350	44	78	77	550
Pre "hi-vac"	10/22/02	**850**	**170**	**4.9**	**14**	**5.1**	**260**
Post "hi-vac"	10/26/01	**770**	**86**	**5.5**	**8.5**	**9.6**	**310**
	12/19/01	1,300	9.2	<2	<2	<2	370
	03/18/02	1,300	76	3.8	15	21	460
	05/24/02	320	12	1.1	4.8	4.6	160
	07/12/02	1,300	130	1.0	5.6	9.4	420
	10/25/02	1,060	12	2.2	3.5	4.2	270
	01/27/03	581	6.5	<5	<5	<5	130
	03/18/03	1,250	<0.22	<0.32	<.0.4	<0.31	155
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
	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

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Sample ID	Date	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene	MTBE
	02/14/01	NA	NA	NA	NA	NA	NA
	05/11/01	1,900	180	12	19	<3	330
	07/09/01	10,000	830	160	260	150	560
Pre "hi-vac"	10/22/01	**1,400**	**240**	**7.8**	**15**	**4.1**	**220**
Post "hi-vac"	10/26/01	**1,900**	**200**	**16**	**30**	**51**	**290**
	12/19/01	5,800	93	<20	<20	31	330
	03/18/02	1,900	220	16	24	31	400
	05/24/02	1,600	110	3.4	14	29	320
	07/12/02	1,900	210	27	55	30	200
	10/22/02	3,030	178	19	36	6.2	178
	10/25/02	1,970	96	18	52	14	226
	01/27/03	2,980	47	<5	6.3	7.6	105
	03/18/03	3,620	124	<0.32	12	22	139
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
	07/09/01	<5	<0.5	<0.5	<0.5	<0.5	<0.5
Pre "hi-vac"	10/22/01	**<5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
Post "hi-vac"	10/26/01	**<5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
	12/19/01	<0.5	<0.5	<0.5	<0.5	<0.5	<50
	03/18/02	<50	<1	<1	<1	<1	<1
	05/24/02	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Sample ID	Date	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene	MTBE
	07/12/02	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	10/25/02	<100	<0.3	<0.3	<0.6	<0.3	<5
	01/27/03	<100	<0.3	<0.3	<0.6	<0.3	14
MW-4	03/18/03	<15	<0.4	<0.02	<0.06	<0.02	5.2
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
	07/09/01	72,000	3,500	1,100	22,000	4,300	2,500
Pre "hi-vac"	10/22/01	**26,000**	**2,800**	**980**	**950**	**6,000**	**2,300**
Post "hi-vac"	10/26/01	**17,000**	**1,200**	**470**	**440**	**2,900**	**900**
	12/19/01	2,000	620	190	910	110	<20
	03/18/02	8,800	1,200	72	350	7.4	1,200
	05/24/02	2,000	150	38	260	21	13
	07/12/02	4,200	480	68	280	29	450
	10/25/02	5,370	236	45	39	23	135
	01/27/03	8,270	615	156	1,010	174	<10
	03/18/03	12,400	824	195	1,070	213	<0.18
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
	07/09/01	2,500	130	4.7	170	53	120
Pre "hi-vac"	10/22/01	**280**	**18**	**1.2**	**4.7**	**6.2**	**6**
Post "hi-vac"	10/26/01	**3,600**	**210**	**20**	**62**	**170**	**120**
	12/19/01	5,300	69	5.6	17	14	<2
	03/18/02	71	54	4.2	17	27	8.5
	05/24/02	150	9.3	<0.5	<0.5	<0.5	1.5
	07/12/02	2,200	98	32	150	46	66
	10/25/02	786	48	5	44	2.2	16
	01/27/03	497	6.8	<5	11	<5	<1
	03/18/03	258	5.4	<0.32	<1.1	3.3	<0.18
MW-7	02/14/01	<0.005	<0.3	<0.3	<0.3	<0.3	284

Sample ID	Date	TPH-g	Benzene	Toluene	Xylenes	Ethylbenzene	MTBE
	05/11/01	<50	0.75	0.77	2.4	0.48	1.1
	07/09/01	<5	<0.5	<0.5	<0.5	<0.5	<0.5
Pre "hi-vac"	10/22/01	**<5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
Post "hi-vac"	10/26/01	**6,000**	**170**	**550**	**120**	**110**	**970**
	12/19/01	<50	<0.5	<0.5	0.9	<0.5	43
	03/18/02	<50	<1	<1	<1	<1	<1
	05/24/02	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	07/12/02	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	10/25/02	<100	<0.3	<0.3	<0.6	<0.3	<5
	01/27/03	NA*	NA*	NA*	NA*	NA*	NA*
	03/18/03	<15	<0.04	<0.02	<0.06	<0.02	<0.03
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
	07/09/01	<5	<0.5	<0.5	<0.5	<0.5	<0.5
Pre-"hi-vac"	10/22/01	<5	<0.5	<0.5	<0.5	<0.5	<0.5
Post "hi-vac"	10/26/01	<5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/19/01	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	03/18/02	<50	<1	<1	<1	<1	<1
	05/24/02	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	07/12/02	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	10/25/02	458	1.7	<0.3	<0.6	<0.3	233
	01/27/03	<100	<0.3	<0.3	<0.6	<0.3	<5
	03/18/03	<15	<0.22	<0.32	<0.4	<0.31	<0.18

TPH-g: Total Petroleum Hydrocarbons as gasoline
NA*: Not analyzed - sample containers broke

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	1500 µg/L
Ethylbenzene	700 µg/L
Total Xylenes	1750 µg/L
MTBE	13 µg/L

3.0 CONCLUSIONS

The groundwater sampling results continue to indicate trace to non detectable concentrations of gasoline constituents analyzed within MW-4 (upgradient well), MW-7, and MW-8. MW-6 exhibited trace to minor concentrations of TPH-gasoline and VOCs and is also on a decreasing trend since the "hi-vac" process in October 2001.

MW-1, MW-2, MW-3, and MW-5 continue to exhibit elevated concentrations for TPH-gasoline and volatile organic concentrations, however, the concentrations remain on a stabilizing trend. The benzene concentrations have exhibited the greatest decrease in concentration since the "hi-vac" of October 2001 and MTBE has also exhibited marked decreases in concentrations. It appears that using vacuum extraction on the contaminated groundwater in MW-1 and MW-5 has reduced and stabilized the groundwater plume. The wells occasionally "spike" upwards, however, concentrations remain well below pre "hi-vac" concentrations.

Oxygenate analyses were also conducted on the groundwater samples and indicated trace to minor concentrations.

The current flow direction was calculated to be North 80° West and the gradient is calculated at 0.63 ft/100ft. Flow direction and gradient have remained relatively consistent with prior sampling rounds. The monitoring wells yield adequate water volume and cannot be bailed dry. Recharge is good in all eight monitoring wells. Also, depth to water has come up approximately 2.0 feet during the past quarter indicating recharge is occurring from seasonal precipitation.

4.0 RECOMMENDATION

Advanced Environmental Concepts, Inc. recommends following the directives outlined in the Alameda County Health Care Services letter of April 16, 2003. The letter was prepared by Mr. Don Hwang, Hazardous Materials Specialist, and requests specific tasks in order to gain closure for the site. The first submittal requested is a Work Plan due on June 3, 2003.

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5.0 CLOSING

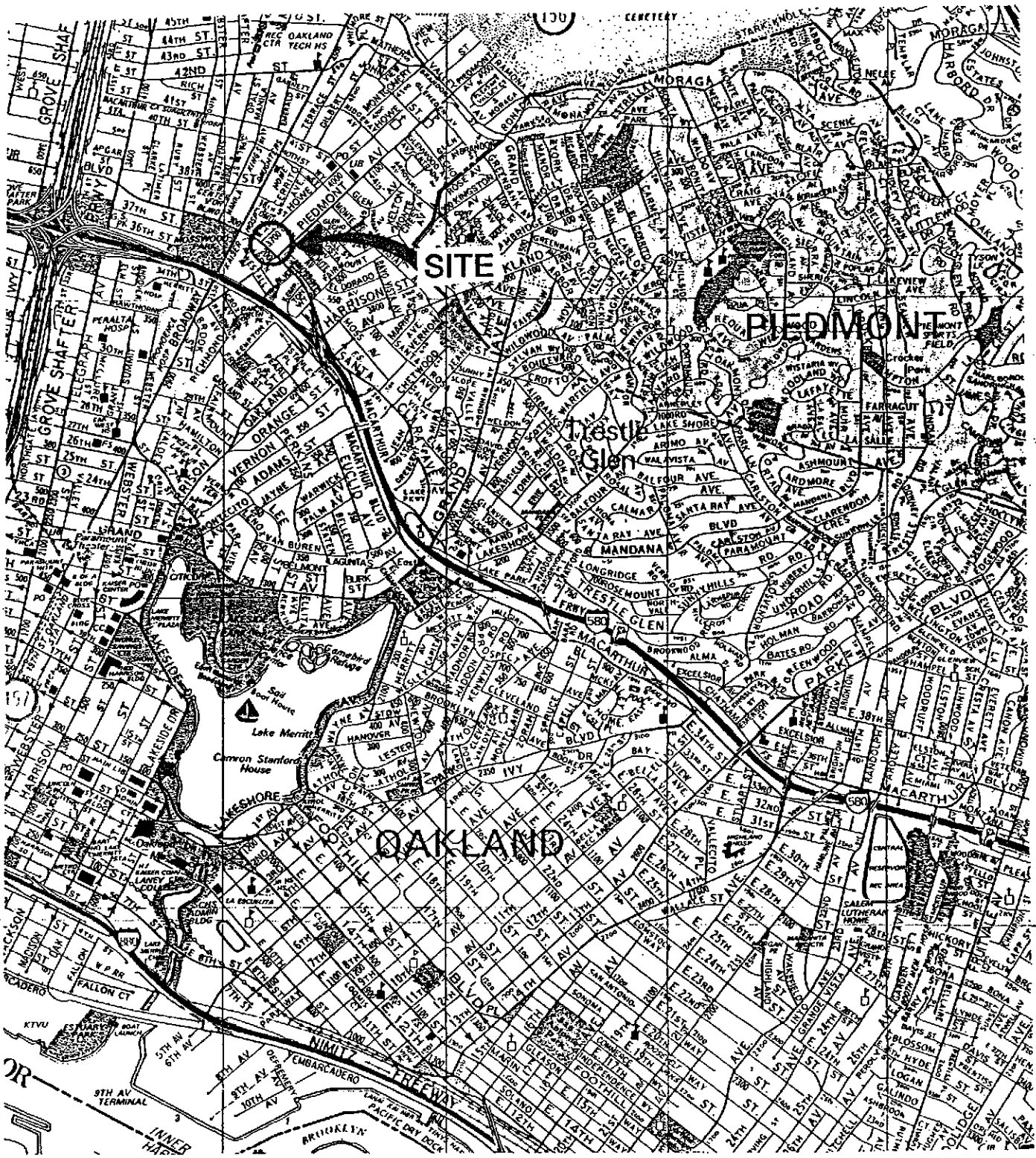
Advanced Environmental Concepts, Inc. appreciates the opportunity of providing our professional services to Mr. Glen Poy-Wing. Should there be any questions or additional information required, please do not hesitate to contact our office at your convenience.

Respectfully yours,

Advanced Environmental Concepts, Inc.

Jonathan L. Buck
California Registered Geologist #7468

Doc30JZ



Map Source: Thomas Maps

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- SITE AREA -

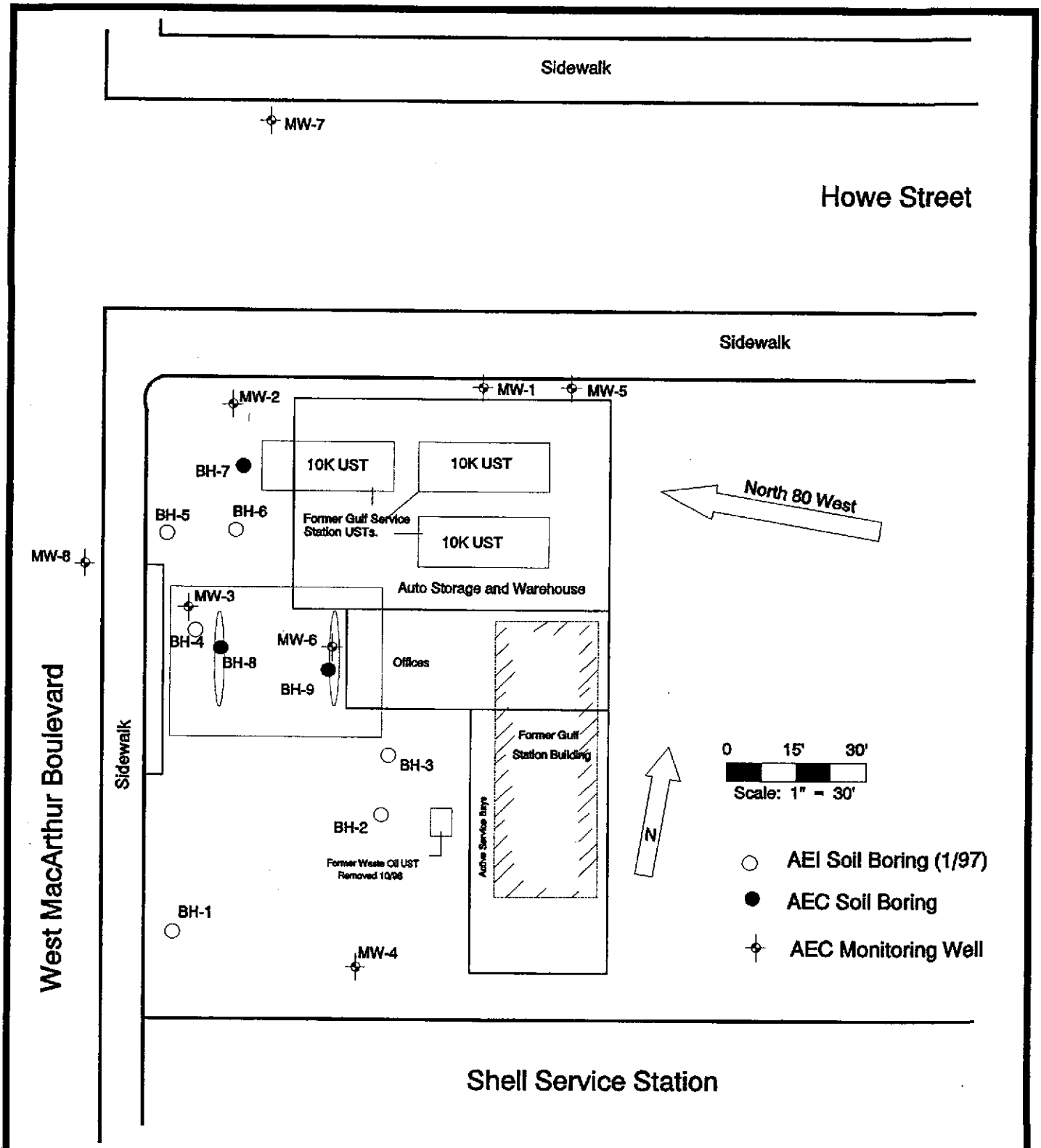
Prestige Products Corporation

240 West MacArthur Blvd.

County of Alameda - Oakland, California

FIGURE

1



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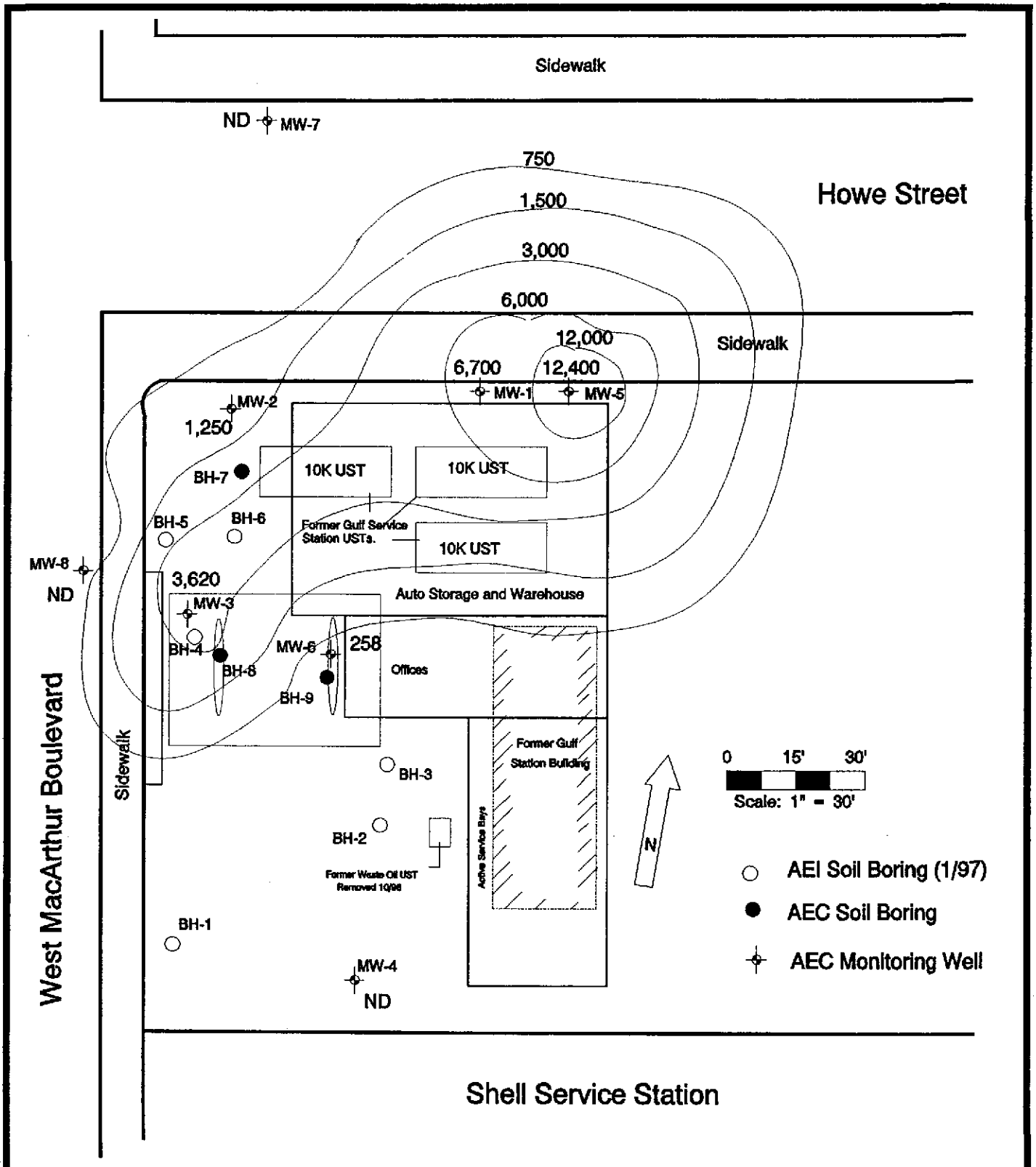
Groundwater Flow Direction
(March 18, 2003)
Former Vogue Tyres Facility
240 West MacArthur Boulevard
County of Alameda • Oakland, CA

FIGURE 2



ADVANCED ENVIRONMENTAL CONCEPTS INC

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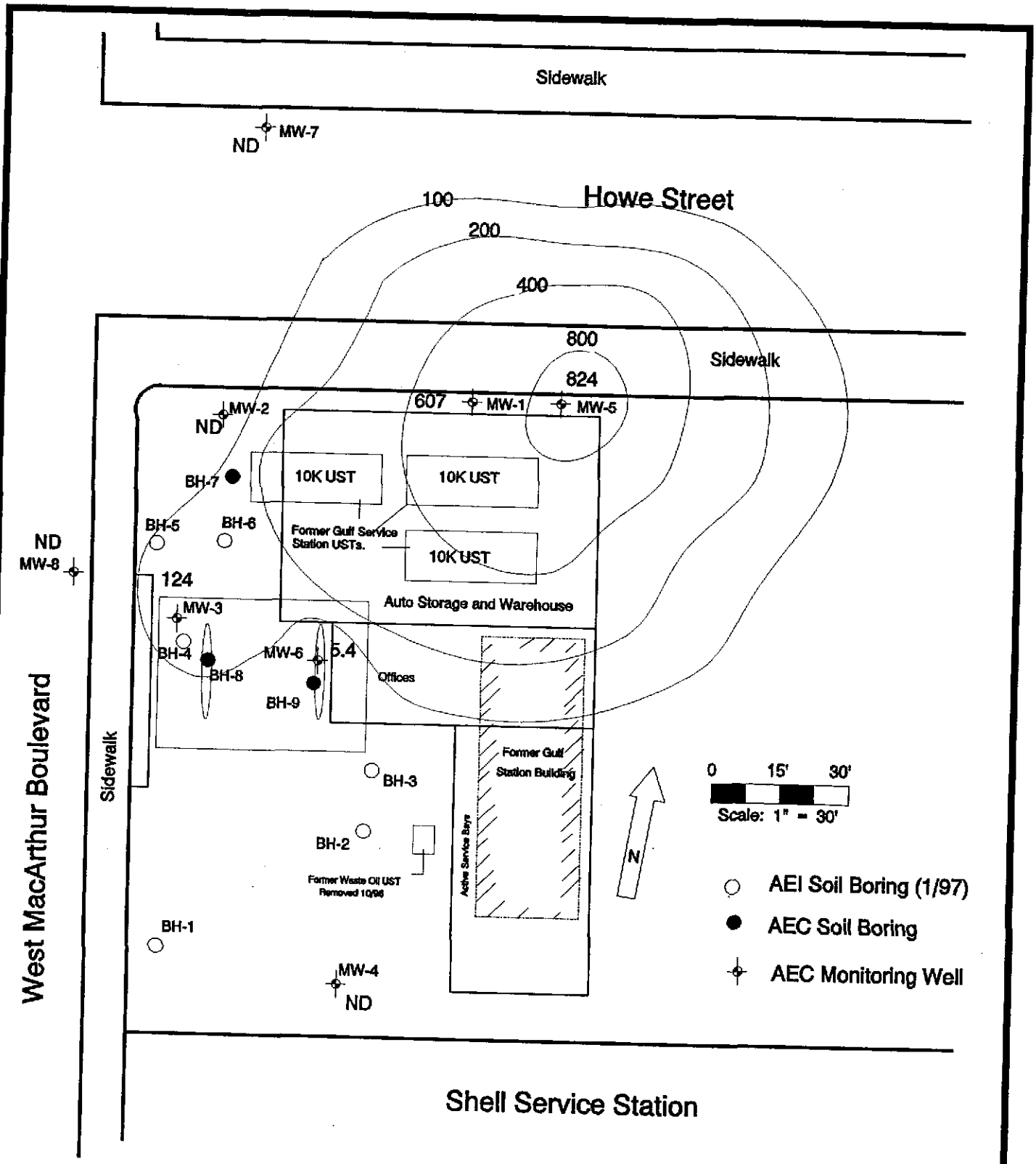
P.O. BOX 40672 BAKERSFIELD, CA 93384

TPH-Gasoline in Water (ppb)
(March 18, 2003)
Former Vogue Tyres Facility
240 West MacArthur Boulevard
County of Alameda • Oakland, CA

FIGURE
3

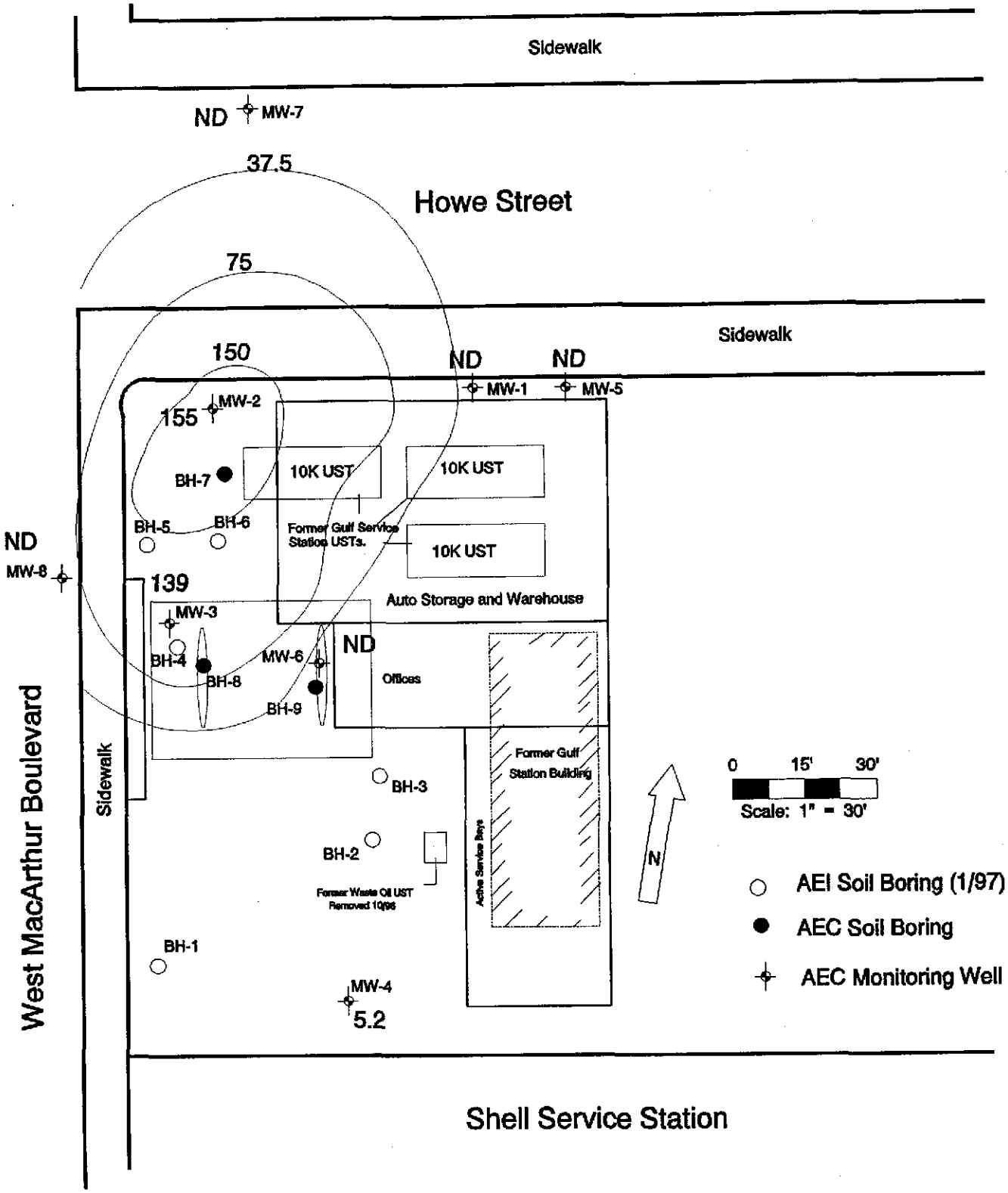


ADVANCED ENVIRONMENTAL CONCEPTS INC

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

Benzene in Groundwater (ppb)
(March 18, 2003)
Former Vogue Tyres Facility
240 West MacArthur Boulevard
County of Alameda • Oakland, CA

FIGURE
4



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MTBE in Groundwater (ppb)

(March 18, 2003)

Former Vogue Tyres Facility

240 West MacArthur Boulevard

County of Alameda • Oakland, CA

FIGURE

5

Groundwater Parameters

Site Name : Former Vaugue Tyres
Location : 240 West MacArthur Blvd
Oakland, CA

AEC P.O. # :
Project # :
Date : 3/18/2003

TIME	GALLONS PURGED	CONDUCTIVITY	TEMPERATURE	pH	TURBIDITY
MONITORING WELL # 1					
		1,650	63.8	7.11	
MONITORING WELL # 2					
		1,760	66.7	6.52	
MONITORING WELL # 3					
		1,110	67.3	6.01	

3 Casing Volumes

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

MW # 1 Depth to Groundwater = 15.26' Corrected Depth: 15.49' Survey: 4.38'

MW # 2 Depth to Groundwater = 14.74' Corrected Depth: 16.39' Survey: 5.80'

MW # 3 Depth to Groundwater = 13.83' Corrected Depth: 15.65' Survey: 5.97'

Groundwater Parameters

Site Name : Former Vogue Tyres
Location : 240 West MacArthur Blvd
Oakland, CA

AEC P.O. # :
Project # :
Date : 3/18/2003

TIME	GALLONS PURGED	CONDUCTIVITY	TEMPERATURE	pH	TURBIDITY
MONITORING WELL # 4					
		1,640	64.7	7.20	
MONITORING WELL # 5					
		1,930	62.8	5.98	
MONITORING WELL # 6					
		1,920	67.6	6.15	

3 Casing Volumes

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

MW # 4 Depth to Groundwater = 13.75' Corrected Depth: 15.45' Survey: 5.85'

MW # 5 Depth to Groundwater = 15.33' Corrected Depth: 15.33' Survey: 4.15'

MW # 6 Depth to Groundwater = 14.52' Corrected Depth: 15.51' Survey: 5.14'

Groundwater Parameters

Site Name : Former Vogue Tyres
Location : 240 West MacArthur Blvd
Oakland, CA

AEC P.O. # :
Project # :
Date : 3/18/2003

TIME	GALLONS PURGED	CONDUCTIVITY	TEMPERATURE	pH	TURBIDITY
MONITORING WELL # 7					
		1,570	67.0	6.15	
MONITORING WELL # 8					
		1,670	65.1	6.50	
MONITORING WELL #					

3 Casing Volumes

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

MW # 7 Depth to Groundwater = 14.57' Corrected Depth: 15.66' Survey: 5.24'

MW # 8 Depth to Groundwater = 12.85' Corrected Depth: 15.88' Survey: 7.18'

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

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 FAX 714/538-1209

CLIENT Advanced Environmental Concepts Inc. (10022)
ATTN: Jonathan Buck
4400 Ashe Road
#206
Bakersfield, CA 93313

LAB REQUEST 108116
REPORTED 03/27/2003
RECEIVED 03/19/2003

PROJECT Vogue Tyres
240 W. McCarther Blvd., Oakland

SUBMITTER Client

COMMENTS "J" denotes value between MDL and DLR.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
419199	MW-7
419200	MW-4
419201	MW-8
419202	MW-3
419203	MW-2
419204	MW-6
419205	MW-1
419206	MW-5
419207	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 419205 **Client Sample ID:** MW-1

Matrix: WATER

Date Sampled: 03/18/2003

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
TPH-DHS	Gasoline	6700	20	2000.0	15	ug/L	03/21/03 LZ
Surrogates						**Units**	**Control Limits**
TPH-DHS	a,a,a-Trifluorotoluene	185*				%	55 - 200
8260B	1,1,1,2-Tetrachloroethane	ND	50	250.0	0.83	ug/L	03/21/03 AM
8260B	1,1,1-Trichloroethane	ND	50	250.0	0.25	ug/L	03/21/03 AM
8260B	1,1,2,2-Tetrachloroethane	ND	50	250.0	0.26	ug/L	03/21/03 AM
8260B	1,1,2-Trichloroethane	ND	50	250.0	0.15	ug/L	03/21/03 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	50	250.0	0.10	ug/L	03/21/03 AM
8260B	1,1-Dichloroethane	ND	50	250.0	0.31	ug/L	03/21/03 AM
8260B	1,1-Dichloroethene	ND	50	250.0	0.62	ug/L	03/21/03 AM
8260B	1,1-Dichloropropene	ND	50	250.0	0.72	ug/L	03/21/03 AM
8260B	1,2,3-Trichlorobenzene	ND	50	250.0	0.61	ug/L	03/21/03 AM
8260B	1,2,3-Trichloropropane	ND	50	250.0	0.22	ug/L	03/21/03 AM
8260B	1,2,4-Trichlorobenzene	ND	50	250.0	0.61	ug/L	03/21/03 AM
8260B	1,2,4-Trimethylbenzene	373	50	250.0	0.49	ug/L	03/21/03 AM
8260B	1,2-Dibromo-3-chloropropane	ND	50	250.0	1.74	ug/L	03/21/03 AM
8260B	1,2-Dibromoethane	ND	50	250.0	0.26	ug/L	03/21/03 AM
8260B	1,2-Dichlorobenzene	ND	50	250.0	0.18	ug/L	03/21/03 AM
8260B	1,2-Dichloroethane	ND	50	250.0	0.17	ug/L	03/21/03 AM
8260B	1,2-Dichloropropane	ND	50	250.0	0.26	ug/L	03/21/03 AM
8260B	1,3,5-Trimethylbenzene	ND	50	250.0	0.26	ug/L	03/21/03 AM
8260B	1,3-Dichlorobenzene	ND	50	250.0	0.41	ug/L	03/21/03 AM
8260B	1,3-Dichloropropane	ND	50	250.0	0.24	ug/L	03/21/03 AM
8260B	1,4-Dichlorobenzene	ND	50	250.0	0.35	ug/L	03/21/03 AM
8260B	1,4-Dioxane	ND	50	2850.0	18.2	ug/L	03/21/03 AM
8260B	1-Chlorohexane	ND	50	250.0	0.32	ug/L	03/21/03 AM
8260B	2,2-Dichloropropane	ND	50	250.0	0.30	ug/L	03/21/03 AM
8260B	2-Butanone (MEK)	ND	50	5000.0	0.75	ug/L	03/21/03 AM
8260B	2-Chloroethyl vinyl ether	ND	50	250.0	0.25	ug/L	03/21/03 AM
8260B	2-Chlorotoluene	ND	50	250.0	0.18	ug/L	03/21/03 AM
8260B	2-Hexanone	ND	50	1000.0	0.78	ug/L	03/21/03 AM
8260B	4-Chlorotoluene	ND	50	250.0	0.18	ug/L	03/21/03 AM
8260B	4-Methyl -2- Pentanone	ND	50	500.0	0.20	ug/L	03/21/03 AM
8260B	Acetone	ND	50	5000.0	3.18	ug/L	03/21/03 AM
8260B	Acetonitrile	ND	50	2500.0	0.49	ug/L	03/21/03 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 419205 **Client Sample ID:** MW-1

Matrix: WATER

Date Sampled: 03/18/2003

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Acrolein	ND	50	10000.0	3.3	ug/L	03/21/03 AM
8260B	Acrylonitrile	ND	50	500.0	1.6	ug/L	03/21/03 AM
8260B	Allyl chloride	ND	50	250.0	0.3	ug/L	03/21/03 AM
8260B	Benzene	607	50	50.0	0.22	ug/L	03/21/03 AM
8260B	Benzyl chloride	ND	50	250.0	0.37	ug/L	03/21/03 AM
8260B	Bromobenzene	ND	50	250.0	0.58	ug/L	03/21/03 AM
8260B	Bromochloromethane	ND	50	250.0	0.30	ug/L	03/21/03 AM
8260B	Bromodichloromethane	ND	50	250.0	0.25	ug/L	03/21/03 AM
8260B	Bromoform	ND	50	250.0	0.17	ug/L	03/21/03 AM
8260B	Bromomethane	ND	50	250.0	1.15	ug/L	03/21/03 AM
8260B	Carbon Disulfide	ND	50	250.0	2.56	ug/L	03/21/03 AM
8260B	Carbon tetrachloride	ND	50	250.0	0.49	ug/L	03/21/03 AM
8260B	Chlorobenzene	ND	50	250.0	0.18	ug/L	03/21/03 AM
8260B	Chloroethane	ND	50	250.0	0.4	ug/L	03/21/03 AM
8260B	Chloroform	ND	50	250.0	0.36	ug/L	03/21/03 AM
8260B	Chloromethane	ND	50	250.0	0.27	ug/L	03/21/03 AM
8260B	cis-1,2-Dichloroethene	ND	50	250.0	0.30	ug/L	03/21/03 AM
8260B	cis-1,3-Dichloropropene	ND	50	250.0	0.22	ug/L	03/21/03 AM
8260B	cis-1,4-Dichloro-2-butene	ND	50	1000.0	0.28	ug/L	03/21/03 AM
8260B	Dibromochloromethane	ND	50	250.0	0.22	ug/L	03/21/03 AM
8260B	Dibromomethane	ND	50	250.0	0.25	ug/L	03/21/03 AM
8260B	Dichlorodifluoromethane	ND	50	250.0	0.08	ug/L	03/21/03 AM
8260B	Ethyl benzene	64 J	50	250.0	0.31	ug/L	03/21/03 AM
8260B	Ethyl methacrylate	ND	50	2500.0	0.2	ug/L	03/21/03 AM
8260B	Ethyl-tertbutylether (ETBE)	ND	50	50.0	0.17	ug/L	03/21/03 AM
8260B	Hexachlorobutadiene	ND	50	250.0	0.24	ug/L	03/21/03 AM
8260B	Iodomethane	ND	50	250.0	0.5	ug/L	03/21/03 AM
8260B	Isopropyl ether (DIPE)	ND	50	50.0	0.29	ug/L	03/21/03 AM
8260B	Isopropylbenzene (Cumene)	ND	50	250.0	0.23	ug/L	03/21/03 AM
8260B	Methacrylonitrile	ND	50	1750.0	0.43	ug/L	03/21/03 AM
8260B	Methyl methacrylate	ND	50	250.0	0.38	ug/L	03/21/03 AM
8260B	Methyl-tert-butylether (MTBE)	ND	50	50.0	0.18	ug/L	03/21/03 AM
8260B	Methylene chloride	ND	50	250.0	0.64	ug/L	03/21/03 AM
8260B	n-Butylbenzene	ND	50	250.0	0.35	ug/L	03/21/03 AM
8260B	n-Propylbenzene	ND	50	250.0	0.18	ug/L	03/21/03 AM
8260B	Naphthalene	ND	50	250.0	0.88	ug/L	03/21/03 AM
8260B	p-Isopropyltoluene	ND	50	250.0	0.24	ug/L	03/21/03 AM
8260B	Pentachloroethane	ND	50	250.0	0.4	ug/L	03/21/03 AM
8260B	Propionitrile	ND	50	5000.0	1.9	ug/L	03/21/03 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 419205 **Client Sample ID:** MW-1

Matrix: WATER

Date Sampled: 03/18/2003

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	sec-Butylbenzene	ND	50	250.0	0.28	ug/L	03/21/03 AM
8260B	Styrene	ND	50	250.0	0.20	ug/L	03/21/03 AM
8260B	Tert-amylmethylether (TAME)	ND	50	50.0	0.28	ug/L	03/21/03 AM
8260B	tert-Butylbenzene	ND	50	250.0	0.35	ug/L	03/21/03 AM
8260B	Tertiary butyl alcohol (TBA)	ND	50	500.0	10	ug/L	03/21/03 AM
8260B	Tetrachloroethene	ND	50	250.0	0.36	ug/L	03/21/03 AM
8260B	Toluene	64 J	50	250.0	0.32	ug/L	03/21/03 AM
8260B	trans-1,2-Dichloroethene	ND	50	250.0	0.41	ug/L	03/21/03 AM
8260B	trans-1,3-Dichloropropene	ND	50	250.0	0.28	ug/L	03/21/03 AM
8260B	trans-1,4-Dichloro-2-butene	ND	50	1000.0	0.28	ug/L	03/21/03 AM
8260B	Trichloroethene	ND	50	250.0	0.23	ug/L	03/21/03 AM
8260B	Trichlorofluoromethane	ND	50	250.0	0.35	ug/L	03/21/03 AM
8260B	Vinyl acetate	ND	50	2500.0	0.3	ug/L	03/21/03 AM
8260B	Vinyl chloride	ND	50	250.0	0.27	ug/L	03/21/03 AM
8260B	Xylenes, total	288	50	250.0	0.4	ug/L	03/21/03 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	114	%	70 - 130
8260B	Surr2 - 1,2-Dichloroethane-d4	102	%	70 - 130
8260B	Surr3 - Toluene-d8	108	%	70 - 130
8260B	Surr4 - p-Bromofluorobenzene	105	%	70 - 130

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 419203 **Client Sample ID:** MW-2

Matrix: WATER

Date Sampled: 03/18/2003

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
TPH-DHS	Gasoline	1250	1	100	15	ug/L	03/21/03 LZ
Surrogates						**Units**	**Control Limits**
TPH-DHS	a,a,a-Trifluorotoluene	118				%	55 - 200
8260B	1,1,1,2-Tetrachloroethane	ND	10	50.0	0.83	ug/L	03/21/03 AM
8260B	1,1,1-Trichloroethane	ND	10	50.0	0.25	ug/L	03/21/03 AM
8260B	1,1,2,2-Tetrachloroethane	ND	10	50.0	0.26	ug/L	03/21/03 AM
8260B	1,1,2-Trichloroethane	ND	10	50.0	0.15	ug/L	03/21/03 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	10	50.0	0.10	ug/L	03/21/03 AM
8260B	1,1-Dichloroethane	ND	10	50.0	0.31	ug/L	03/21/03 AM
8260B	1,1-Dichloroethene	ND	10	50.0	0.62	ug/L	03/21/03 AM
8260B	1,1-Dichloropropene	ND	10	50.0	0.72	ug/L	03/21/03 AM
8260B	1,2,3-Trichlorobenzene	ND	10	50.0	0.61	ug/L	03/21/03 AM
8260B	1,2,3-Trichloropropane	ND	10	50.0	0.22	ug/L	03/21/03 AM
8260B	1,2,4-Trichlorobenzene	ND	10	50.0	0.61	ug/L	03/21/03 AM
8260B	1,2,4-Trimethylbenzene	ND	10	50.0	0.49	ug/L	03/21/03 AM
8260B	1,2-Dibromo-3-chloropropane	ND	10	50.0	1.74	ug/L	03/21/03 AM
8260B	1,2-Dibromoethane	ND	10	50.0	0.26	ug/L	03/21/03 AM
8260B	1,2-Dichlorobenzene	ND	10	50.0	0.18	ug/L	03/21/03 AM
8260B	1,2-Dichloroethane	ND	10	50.0	0.17	ug/L	03/21/03 AM
8260B	1,2-Dichloropropane	ND	10	50.0	0.26	ug/L	03/21/03 AM
8260B	1,3,5-Trimethylbenzene	ND	10	50.0	0.26	ug/L	03/21/03 AM
8260B	1,3-Dichlorobenzene	ND	10	50.0	0.41	ug/L	03/21/03 AM
8260B	1,3-Dichloropropane	ND	10	50.0	0.24	ug/L	03/21/03 AM
8260B	1,4-Dichlorobenzene	ND	10	50.0	0.35	ug/L	03/21/03 AM
8260B	1,4-Dioxane	ND	10	570.0	18.2	ug/L	03/21/03 AM
8260B	1-Chlorohexane	ND	10	50.0	0.32	ug/L	03/21/03 AM
8260B	2,2-Dichloropropane	ND	10	50.0	0.30	ug/L	03/21/03 AM
8260B	2-Butanone (MEK)	ND	10	1000.0	0.75	ug/L	03/21/03 AM
8260B	2-Chloroethyl vinyl ether	ND	10	50.0	0.25	ug/L	03/21/03 AM
8260B	2-Chlorotoluene	ND	10	50.0	0.18	ug/L	03/21/03 AM
8260B	2-Hexanone	ND	10	200.0	0.78	ug/L	03/21/03 AM
8260B	4-Chlorotoluene	ND	10	50.0	0.18	ug/L	03/21/03 AM
8260B	4-Methyl -2- Pentanone	ND	10	100.0	0.20	ug/L	03/21/03 AM
8260B	Acetone	ND	10	1000.0	3.18	ug/L	03/21/03 AM
8260B	Acetonitrile	ND	10	500.0	0.49	ug/L	03/21/03 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 419203 **Client Sample ID:** MW-2

Matrix: WATER

Date Sampled: 03/18/2003

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Acrolein	ND	10	2000.0	3.3	ug/L	03/21/03 AM
8260B	Acrylonitrile	ND	10	100.0	1.6	ug/L	03/21/03 AM
8260B	Allyl chloride	ND	10	50.0	0.3	ug/L	03/21/03 AM
8260B	Benzene	ND	10	10.0	0.22	ug/L	03/21/03 AM
8260B	Benzyl chloride	ND	10	50.0	0.37	ug/L	03/21/03 AM
8260B	Bromobenzene	ND	10	50.0	0.58	ug/L	03/21/03 AM
8260B	Bromochloromethane	ND	10	50.0	0.30	ug/L	03/21/03 AM
8260B	Bromodichloromethane	ND	10	50.0	0.25	ug/L	03/21/03 AM
8260B	Bromoform	ND	10	50.0	0.17	ug/L	03/21/03 AM
8260B	Bromomethane	ND	10	50.0	1.15	ug/L	03/21/03 AM
8260B	Carbon Disulfide	ND	10	50.0	2.56	ug/L	03/21/03 AM
8260B	Carbon tetrachloride	ND	10	50.0	0.49	ug/L	03/21/03 AM
8260B	Chlorobenzene	ND	10	50.0	0.18	ug/L	03/21/03 AM
8260B	Chloroethane	ND	10	50.0	0.4	ug/L	03/21/03 AM
8260B	Chloroform	ND	10	50.0	0.36	ug/L	03/21/03 AM
8260B	Chloromethane	ND	10	50.0	0.27	ug/L	03/21/03 AM
8260B	cis-1,2-Dichloroethene	15 J	10	50.0	0.30	ug/L	03/21/03 AM
8260B	cis-1,3-Dichloropropene	ND	10	50.0	0.22	ug/L	03/21/03 AM
8260B	cis-1,4-Dichloro-2-butene	ND	10	200.0	0.28	ug/L	03/21/03 AM
8260B	Dibromochloromethane	ND	10	50.0	0.22	ug/L	03/21/03 AM
8260B	Dibromomethane	ND	10	50.0	0.25	ug/L	03/21/03 AM
8260B	Dichlorodifluoromethane	ND	10	50.0	0.08	ug/L	03/21/03 AM
8260B	Ethyl benzene	ND	10	50.0	0.31	ug/L	03/21/03 AM
8260B	Ethyl methacrylate	ND	10	500.0	0.2	ug/L	03/21/03 AM
8260B	Ethyl-tertbutylether (ETBE)	ND	10	10.0	0.17	ug/L	03/21/03 AM
8260B	Hexachlorobutadiene	ND	10	50.0	0.24	ug/L	03/21/03 AM
8260B	Iodomethane	ND	10	50.0	0.5	ug/L	03/21/03 AM
8260B	Isopropyl ether (DIPE)	ND	10	10.0	0.29	ug/L	03/21/03 AM
8260B	Isopropylbenzene (Cumene)	ND	10	50.0	0.23	ug/L	03/21/03 AM
8260B	Methacrylonitrile	ND	10	350.0	0.43	ug/L	03/21/03 AM
8260B	Methyl methacrylate	ND	10	50.0	0.38	ug/L	03/21/03 AM
8260B	Methyl-tert-butylether (MTBE)	155	10	10.0	0.18	ug/L	03/21/03 AM
8260B	Methylene chloride	ND	10	50.0	0.64	ug/L	03/21/03 AM
8260B	n-Butylbenzene	ND	10	50.0	0.35	ug/L	03/21/03 AM
8260B	n-Propylbenzene	ND	10	50.0	0.18	ug/L	03/21/03 AM
8260B	Naphthalene	ND	10	50.0	0.88	ug/L	03/21/03 AM
8260B	p-Isopropyltoluene	ND	10	50.0	0.24	ug/L	03/21/03 AM
8260B	Pentachloroethane	ND	10	50.0	0.4	ug/L	03/21/03 AM
8260B	Propionitrile	ND	10	1000.0	1.9	ug/L	03/21/03 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 419203 **Client Sample ID**: MW-2

Matrix: WATER

Date Sampled: 03/18/2003

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	sec-Butylbenzene	ND	10	50.0	0.28	ug/L	03/21/03 AM
8260B	Styrene	ND	10	50.0	0.20	ug/L	03/21/03 AM
8260B	Tert-amylmethylether (TAME)	ND	10	10.0	0.28	ug/L	03/21/03 AM
8260B	tert-Butylbenzene	ND	10	50.0	0.35	ug/L	03/21/03 AM
8260B	Tertiary butyl alcohol (TBA)	94 J	10	100.0	10	ug/L	03/21/03 AM
8260B	Tetrachloroethene	ND	10	50.0	0.36	ug/L	03/21/03 AM
8260B	Toluene	ND	10	50.0	0.32	ug/L	03/21/03 AM
8260B	trans-1,2-Dichloroethene	ND	10	50.0	0.41	ug/L	03/21/03 AM
8260B	trans-1,3-Dichloropropene	ND	10	50.0	0.28	ug/L	03/21/03 AM
8260B	trans-1,4-Dichloro-2-butene	ND	10	200.0	0.28	ug/L	03/21/03 AM
8260B	Trichloroethene	ND	10	50.0	0.23	ug/L	03/21/03 AM
8260B	Trichlorofluoromethane	ND	10	50.0	0.35	ug/L	03/21/03 AM
8260B	Vinyl acetate	ND	10	500.0	0.3	ug/L	03/21/03 AM
8260B	Vinyl chloride	ND	10	50.0	0.27	ug/L	03/21/03 AM
8260B	Xylenes, total	ND	10	50.0	0.4	ug/L	03/21/03 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	124	%	70 - 130
8260B	Surr2 - 1,2-Dichloroethane-d4	109	%	70 - 130
8260B	Surr3 - Toluene-d8	106	%	70 - 130
8260B	Surr4 - p-Bromofluorobenzene	98	%	70 - 130

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 419202 **Client Sample ID:** MW-3

Matrix: WATER

Date Sampled: 03/18/2003

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
TPH-DHS	Gasoline	3620	10	1000.0	15	ug/L	03/21/03 LZ
Surrogates						**Units**	**Control Limits**
TPH-DHS	a,a,a-Trifluorotoluene	94				%	55 - 200
8260B	1,1,1,2-Tetrachloroethane	ND	10	50.0	0.83	ug/L	03/21/03 AM
8260B	1,1,1-Trichloroethane	ND	10	50.0	0.25	ug/L	03/21/03 AM
8260B	1,1,2,2-Tetrachloroethane	ND	10	50.0	0.26	ug/L	03/21/03 AM
8260B	1,1,2-Trichloroethane	ND	10	50.0	0.15	ug/L	03/21/03 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	10	50.0	0.10	ug/L	03/21/03 AM
8260B	1,1-Dichloroethane	ND	10	50.0	0.31	ug/L	03/21/03 AM
8260B	1,1-Dichloroethene	ND	10	50.0	0.62	ug/L	03/21/03 AM
8260B	1,1-Dichloropropene	ND	10	50.0	0.72	ug/L	03/21/03 AM
8260B	1,2,3-Trichlorobenzene	ND	10	50.0	0.61	ug/L	03/21/03 AM
8260B	1,2,3-Trichloropropane	ND	10	50.0	0.22	ug/L	03/21/03 AM
8260B	1,2,4-Trichlorobenzene	ND	10	50.0	0.61	ug/L	03/21/03 AM
8260B	1,2,4-Trimethylbenzene	ND	10	50.0	0.49	ug/L	03/21/03 AM
8260B	1,2-Dibromo-3-chloropropane	ND	10	50.0	1.74	ug/L	03/21/03 AM
8260B	1,2-Dibromoethane	ND	10	50.0	0.26	ug/L	03/21/03 AM
8260B	1,2-Dichlorobenzene	ND	10	50.0	0.18	ug/L	03/21/03 AM
8260B	1,2-Dichloroethane	ND	10	50.0	0.17	ug/L	03/21/03 AM
8260B	1,2-Dichloropropane	ND	10	50.0	0.26	ug/L	03/21/03 AM
8260B	1,3,5-Trimethylbenzene	ND	10	50.0	0.26	ug/L	03/21/03 AM
8260B	1,3-Dichlorobenzene	ND	10	50.0	0.41	ug/L	03/21/03 AM
8260B	1,3-Dichloropropane	ND	10	50.0	0.24	ug/L	03/21/03 AM
8260B	1,4-Dichlorobenzene	ND	10	50.0	0.35	ug/L	03/21/03 AM
8260B	1,4-Dioxane	ND	10	570.0	18.2	ug/L	03/21/03 AM
8260B	1-Chlorohexane	ND	10	50.0	0.32	ug/L	03/21/03 AM
8260B	2,2-Dichloropropane	ND	10	50.0	0.30	ug/L	03/21/03 AM
8260B	2-Butanone (MEK)	ND	10	1000.0	0.75	ug/L	03/21/03 AM
8260B	2-Chloroethyl vinyl ether	ND	10	50.0	0.25	ug/L	03/21/03 AM
8260B	2-Chlorotoluene	ND	10	50.0	0.18	ug/L	03/21/03 AM
8260B	2-Hexanone	ND	10	200.0	0.78	ug/L	03/21/03 AM
8260B	4-Chlorotoluene	ND	10	50.0	0.18	ug/L	03/21/03 AM
8260B	4-Methyl -2- Pentanone	ND	10	100.0	0.20	ug/L	03/21/03 AM
8260B	Acetone	ND	10	1000.0	3.18	ug/L	03/21/03 AM
8260B	Acetonitrile	ND	10	500.0	0.49	ug/L	03/21/03 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 419202 **Client Sample ID:** MW-3

Matrix: WATER

Date Sampled: 03/18/2003

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Acrolein	ND	10	2000.0	3.3	ug/L	03/21/03 AM
8260B	Acrylonitrile	ND	10	100.0	1.6	ug/L	03/21/03 AM
8260B	Allyl chloride	ND	10	50.0	0.3	ug/L	03/21/03 AM
8260B	Benzene	124	10	10.0	0.22	ug/L	03/21/03 AM
8260B	Benzyl chloride	ND	10	50.0	0.37	ug/L	03/21/03 AM
8260B	Bromobenzene	ND	10	50.0	0.58	ug/L	03/21/03 AM
8260B	Bromochloromethane	ND	10	50.0	0.30	ug/L	03/21/03 AM
8260B	Bromodichloromethane	ND	10	50.0	0.25	ug/L	03/21/03 AM
8260B	Bromoform	ND	10	50.0	0.17	ug/L	03/21/03 AM
8260B	Bromomethane	ND	10	50.0	1.15	ug/L	03/21/03 AM
8260B	Carbon Disulfide	ND	10	50.0	2.56	ug/L	03/21/03 AM
8260B	Carbon tetrachloride	ND	10	50.0	0.49	ug/L	03/21/03 AM
8260B	Chlorobenzene	ND	10	50.0	0.18	ug/L	03/21/03 AM
8260B	Chloroethane	ND	10	50.0	0.4	ug/L	03/21/03 AM
8260B	Chloroform	ND	10	50.0	0.36	ug/L	03/21/03 AM
8260B	Chloromethane	ND	10	50.0	0.27	ug/L	03/21/03 AM
8260B	cis-1,2-Dichloroethene	24 J	10	50.0	0.30	ug/L	03/21/03 AM
8260B	cis-1,3-Dichloropropene	ND	10	50.0	0.22	ug/L	03/21/03 AM
8260B	cis-1,4-Dichloro-2-butene	ND	10	200.0	0.28	ug/L	03/21/03 AM
8260B	Dibromochloromethane	ND	10	50.0	0.22	ug/L	03/21/03 AM
8260B	Dibromomethane	ND	10	50.0	0.25	ug/L	03/21/03 AM
8260B	Dichlorodifluoromethane	ND	10	50.0	0.08	ug/L	03/21/03 AM
8260B	Ethyl benzene	22 J	10	50.0	0.31	ug/L	03/21/03 AM
8260B	Ethyl methacrylate	ND	10	500.0	0.2	ug/L	03/21/03 AM
8260B	Ethyl-tertbutylether (ETBE)	ND	10	10.0	0.17	ug/L	03/21/03 AM
8260B	Hexachlorobutadiene	ND	10	50.0	0.24	ug/L	03/21/03 AM
8260B	Iodomethane	ND	10	50.0	0.5	ug/L	03/21/03 AM
8260B	Isopropyl ether (DIPE)	ND	10	10.0	0.29	ug/L	03/21/03 AM
8260B	Isopropylbenzene (Cumene)	ND	10	50.0	0.23	ug/L	03/21/03 AM
8260B	Methacrylonitrile	ND	10	350.0	0.43	ug/L	03/21/03 AM
8260B	Methyl methacrylate	ND	10	50.0	0.38	ug/L	03/21/03 AM
8260B	Methyl-tert-butylether (MTBE)	139	10	10.0	0.18	ug/L	03/21/03 AM
8260B	Methylene chloride	ND	10	50.0	0.64	ug/L	03/21/03 AM
8260B	n-Butylbenzene	ND	10	50.0	0.35	ug/L	03/21/03 AM
8260B	n-Propylbenzene	11 J	10	50.0	0.18	ug/L	03/21/03 AM
8260B	Naphthalene	ND	10	50.0	0.88	ug/L	03/21/03 AM
8260B	p-Isopropyltoluene	ND	10	50.0	0.24	ug/L	03/21/03 AM
8260B	Pentachloroethane	ND	10	50.0	0.4	ug/L	03/21/03 AM
8260B	Propionitrile	ND	10	1000.0	1.9	ug/L	03/21/03 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 419202 **Client Sample ID:** MW-3

Matrix: WATER

Date Sampled: 03/18/2003

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	sec-Butylbenzene	ND	10	50.0	0.28	ug/L	03/21/03 AM
8260B	Styrene	ND	10	50.0	0.20	ug/L	03/21/03 AM
8260B	Tert-amylmethylether (TAME)	ND	10	10.0	0.28	ug/L	03/21/03 AM
8260B	tert-Butylbenzene	ND	10	50.0	0.35	ug/L	03/21/03 AM
8260B	Tertiary butyl alcohol (TBA)	ND	10	100.0	10	ug/L	03/21/03 AM
8260B	Tetrachloroethene	ND	10	50.0	0.36	ug/L	03/21/03 AM
8260B	Toluene	ND	10	50.0	0.32	ug/L	03/21/03 AM
8260B	trans-1,2-Dichloroethene	ND	10	50.0	0.41	ug/L	03/21/03 AM
8260B	trans-1,3-Dichloropropene	ND	10	50.0	0.28	ug/L	03/21/03 AM
8260B	trans-1,4-Dichloro-2-butene	ND	10	200.0	0.28	ug/L	03/21/03 AM
8260B	Trichloroethene	ND	10	50.0	0.23	ug/L	03/21/03 AM
8260B	Trichlorofluoromethane	ND	10	50.0	0.35	ug/L	03/21/03 AM
8260B	Vinyl acetate	ND	10	500.0	0.3	ug/L	03/21/03 AM
8260B	Vinyl chloride	ND	10	50.0	0.27	ug/L	03/21/03 AM
8260B	Xylenes, total	12 J	10	50.0	0.4	ug/L	03/21/03 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	112	%	70 - 130
8260B	Surr2 - 1,2-Dichloroethane-d4	109	%	70 - 130
8260B	Surr3 - Toluene-d8	102	%	70 - 130
8260B	Surr4 - p-Bromofluorobenzene	106	%	70 - 130

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 419200 **Client Sample ID:** MW-4

Matrix: WATER

Date Sampled: 03/18/2003

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8021B/AVO	Benzene	ND	1	0.3	0.04	ug/L	03/21/03 LZ
8021B/AVO	Ethyl benzene	ND	1	0.3	0.02	ug/L	03/21/03 LZ
TPH-DHS	Gasoline	ND	1	100	15	ug/L	03/21/03 LZ
8021B/AVO	Methyl t - butyl ether	5.2	1	5	0.03	ug/L	03/21/03 LZ
8021B/AVO	Toluene	ND	1	0.3	0.02	ug/L	03/21/03 LZ
8021B/AVO	Xylene (total)	ND	1	0.6	0.06	ug/L	03/21/03 LZ
Surrogates						**Units**	**Control Limits**
TPH-DHS	a,a,a-Trifluorotoluene	76				%	55 - 200

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 419206 **Client Sample ID:** MW-5

Matrix: WATER

Date Sampled: 03/18/2003

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
TPH-DHS	Gasoline	12400	10	1000.0	15	ug/L	03/21/03 LZ
Surrogates						**Units**	**Control Limits**
TPH-DHS	a,a,a-Trifluorotoluene	74				%	55 - 200
8260B	1,1,1,2-Tetrachloroethane	ND	10	50.0	0.83	ug/L	03/21/03 AM
8260B	1,1,1-Trichloroethane	ND	10	50.0	0.25	ug/L	03/21/03 AM
8260B	1,1,2,2-Tetrachloroethane	ND	10	50.0	0.26	ug/L	03/21/03 AM
8260B	1,1,2-Trichloroethane	ND	10	50.0	0.15	ug/L	03/21/03 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	10	50.0	0.10	ug/L	03/21/03 AM
8260B	1,1-Dichloroethane	ND	10	50.0	0.31	ug/L	03/21/03 AM
8260B	1,1-Dichloroethene	ND	10	50.0	0.62	ug/L	03/21/03 AM
8260B	1,1-Dichloropropene	ND	10	50.0	0.72	ug/L	03/21/03 AM
8260B	1,2,3-Trichlorobenzene	ND	10	50.0	0.61	ug/L	03/21/03 AM
8260B	1,2,3-Trichloropropane	ND	10	50.0	0.22	ug/L	03/21/03 AM
8260B	1,2,4-Trichlorobenzene	ND	10	50.0	0.61	ug/L	03/21/03 AM
8260B	1,2,4-Trimethylbenzene	554	10	50.0	0.49	ug/L	03/21/03 AM
8260B	1,2-Dibromo-3-chloropropane	ND	10	50.0	1.74	ug/L	03/21/03 AM
8260B	1,2-Dibromoethane	ND	10	50.0	0.26	ug/L	03/21/03 AM
8260B	1,2-Dichlorobenzene	ND	10	50.0	0.18	ug/L	03/21/03 AM
8260B	1,2-Dichloroethane	ND	10	50.0	0.17	ug/L	03/21/03 AM
8260B	1,2-Dichloropropane	ND	10	50.0	0.26	ug/L	03/21/03 AM
8260B	1,3,5-Trimethylbenzene	107	10	50.0	0.26	ug/L	03/21/03 AM
8260B	1,3-Dichlorobenzene	ND	10	50.0	0.41	ug/L	03/21/03 AM
8260B	1,3-Dichloropropane	ND	10	50.0	0.24	ug/L	03/21/03 AM
8260B	1,4-Dichlorobenzene	ND	10	50.0	0.35	ug/L	03/21/03 AM
8260B	1,4-Dioxane	ND	10	570.0	18.2	ug/L	03/21/03 AM
8260B	1-Chlorohexane	ND	10	50.0	0.32	ug/L	03/21/03 AM
8260B	2,2-Dichloropropane	ND	10	50.0	0.30	ug/L	03/21/03 AM
8260B	2-Butanone (MEK)	ND	10	1000.0	0.75	ug/L	03/21/03 AM
8260B	2-Chloroethyl vinyl ether	ND	10	50.0	0.25	ug/L	03/21/03 AM
8260B	2-Chlorotoluene	ND	10	50.0	0.18	ug/L	03/21/03 AM
8260B	2-Hexanone	ND	10	200.0	0.78	ug/L	03/21/03 AM
8260B	4-Chlorotoluene	ND	10	50.0	0.18	ug/L	03/21/03 AM
8260B	4-Methyl -2- Pentanone	ND	10	100.0	0.20	ug/L	03/21/03 AM
8260B	Acetone	ND	10	1000.0	3.18	ug/L	03/21/03 AM
8260B	Acetonitrile	ND	10	500.0	0.49	ug/L	03/21/03 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 419206 **Client Sample ID:** MW-5

Matrix: WATER

Date Sampled: 03/18/2003

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Acrolein	ND	10	2000.0	3.3	ug/L	03/21/03 AM
8260B	Acrylonitrile	ND	10	100.0	1.6	ug/L	03/21/03 AM
8260B	Allyl chloride	ND	10	50.0	0.3	ug/L	03/21/03 AM
8260B	Benzene	824	10	10.0	0.22	ug/L	03/21/03 AM
8260B	Benzyl chloride	ND	10	50.0	0.37	ug/L	03/21/03 AM
8260B	Bromobenzene	ND	10	50.0	0.58	ug/L	03/21/03 AM
8260B	Bromochloromethane	ND	10	50.0	0.30	ug/L	03/21/03 AM
8260B	Bromodichloromethane	ND	10	50.0	0.25	ug/L	03/21/03 AM
8260B	Bromoform	ND	10	50.0	0.17	ug/L	03/21/03 AM
8260B	Bromomethane	ND	10	50.0	1.15	ug/L	03/21/03 AM
8260B	Carbon Disulfide	ND	10	50.0	2.56	ug/L	03/21/03 AM
8260B	Carbon tetrachloride	ND	10	50.0	0.49	ug/L	03/21/03 AM
8260B	Chlorobenzene	ND	10	50.0	0.18	ug/L	03/21/03 AM
8260B	Chloroethane	ND	10	50.0	0.4	ug/L	03/21/03 AM
8260B	Chloroform	ND	10	50.0	0.36	ug/L	03/21/03 AM
8260B	Chloromethane	ND	10	50.0	0.27	ug/L	03/21/03 AM
8260B	cis-1,2-Dichloroethene	ND	10	50.0	0.30	ug/L	03/21/03 AM
8260B	cis-1,3-Dichloropropene	ND	10	50.0	0.22	ug/L	03/21/03 AM
8260B	cis-1,4-Dichloro-2-butene	ND	10	200.0	0.28	ug/L	03/21/03 AM
8260B	Dibromochloromethane	ND	10	50.0	0.22	ug/L	03/21/03 AM
8260B	Dibromomethane	ND	10	50.0	0.25	ug/L	03/21/03 AM
8260B	Dichlorodifluoromethane	ND	10	50.0	0.08	ug/L	03/21/03 AM
8260B	Ethyl benzene	213	10	50.0	0.31	ug/L	03/21/03 AM
8260B	Ethyl methacrylate	ND	10	500.0	0.2	ug/L	03/21/03 AM
8260B	Ethyl-tertbutylether (ETBE)	ND	10	10.0	0.17	ug/L	03/21/03 AM
8260B	Hexachlorobutadiene	ND	10	50.0	0.24	ug/L	03/21/03 AM
8260B	Iodomethane	ND	10	50.0	0.5	ug/L	03/21/03 AM
8260B	Isopropyl ether (DIPE)	ND	10	10.0	0.29	ug/L	03/21/03 AM
8260B	Isopropylbenzene (Cumene)	38 J	10	50.0	0.23	ug/L	03/21/03 AM
8260B	Methacrylonitrile	ND	10	350.0	0.43	ug/L	03/21/03 AM
8260B	Methyl methacrylate	ND	10	50.0	0.38	ug/L	03/21/03 AM
8260B	Methyl-tert-butylether (MTBE)	ND	10	10.0	0.18	ug/L	03/21/03 AM
8260B	Methylene chloride	ND	10	50.0	0.64	ug/L	03/21/03 AM
8260B	n-Butylbenzene	20 J	10	50.0	0.35	ug/L	03/21/03 AM
8260B	n-Propylbenzene	36 J	10	50.0	0.18	ug/L	03/21/03 AM
8260B	Naphthalene	251	10	50.0	0.88	ug/L	03/21/03 AM
8260B	p-Isopropyltoluene	14 J	10	50.0	0.24	ug/L	03/21/03 AM
8260B	Pentachloroethane	ND	10	50.0	0.4	ug/L	03/21/03 AM
8260B	Propionitrile	ND	10	1000.0	1.9	ug/L	03/21/03 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 419206 **Client Sample ID:** MW-5

Matrix: WATER

Date Sampled: 03/18/2003

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	sec-Butylbenzene	ND	10	50.0	0.28	ug/L	03/21/03 AM
8260B	Styrene	ND	10	50.0	0.20	ug/L	03/21/03 AM
8260B	Tert-amylmethylether (TAME)	ND	10	10.0	0.28	ug/L	03/21/03 AM
8260B	tert-Butylbenzene	ND	10	50.0	0.35	ug/L	03/21/03 AM
8260B	Tertiary butyl alcohol (TBA)	ND	10	100.0	10	ug/L	03/21/03 AM
8260B	Tetrachloroethene	ND	10	50.0	0.36	ug/L	03/21/03 AM
8260B	Toluene	195	10	50.0	0.32	ug/L	03/21/03 AM
8260B	trans-1,2-Dichloroethene	ND	10	50.0	0.41	ug/L	03/21/03 AM
8260B	trans-1,3-Dichloropropene	ND	10	50.0	0.28	ug/L	03/21/03 AM
8260B	trans-1,4-Dichloro-2-butene	ND	10	200.0	0.28	ug/L	03/21/03 AM
8260B	Trichloroethene	ND	10	50.0	0.23	ug/L	03/21/03 AM
8260B	Trichlorofluoromethane	ND	10	50.0	0.35	ug/L	03/21/03 AM
8260B	Vinyl acetate	ND	10	500.0	0.3	ug/L	03/21/03 AM
8260B	Vinyl chloride	ND	10	50.0	0.27	ug/L	03/21/03 AM
8260B	Xylenes, total	1070	10	50.0	0.4	ug/L	03/21/03 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	116	%	70 - 130
8260B	Surr2 - 1,2-Dichloroethane-d4	93	%	70 - 130
8260B	Surr3 - Toluene-d8	104	%	70 - 130
8260B	Surr4 - p-Bromofluorobenzene	108	%	70 - 130

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 419204 **Client Sample ID:** MW-6

Matrix: WATER

Date Sampled: 03/18/2003

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
TPH-DHS	Gasoline	258	1	100	15	ug/L	03/21/03 LZ
Surrogates						**Units**	**Control Limits**
TPH-DHS	a,a,a-Trifluorotoluene	109				%	55 - 200
8260B	1,1,1,2-Tetrachloroethane	ND	1	5.0	0.83	ug/L	03/31/03 AM
8260B	1,1,1-Trichloroethane	ND	1	5.0	0.25	ug/L	03/31/03 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5.0	0.26	ug/L	03/31/03 AM
8260B	1,1,2-Trichloroethane	ND	1	5.0	0.15	ug/L	03/31/03 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5.0	0.10	ug/L	03/31/03 AM
8260B	1,1-Dichloroethane	ND	1	5.0	0.31	ug/L	03/31/03 AM
8260B	1,1-Dichloroethene	ND	1	5.0	0.62	ug/L	03/31/03 AM
8260B	1,1-Dichloropropene	ND	1	5.0	0.72	ug/L	03/31/03 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5.0	0.61	ug/L	03/31/03 AM
8260B	1,2,3-Trichloropropane	ND	1	5.0	0.22	ug/L	03/31/03 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5.0	0.61	ug/L	03/31/03 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5.0	0.49	ug/L	03/31/03 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5.0	1.74	ug/L	03/31/03 AM
8260B	1,2-Dibromoethane	ND	1	5.0	0.26	ug/L	03/31/03 AM
8260B	1,2-Dichlorobenzene	ND	1	5.0	0.18	ug/L	03/31/03 AM
8260B	1,2-Dichloroethane	6.9	1	5.0	0.17	ug/L	03/31/03 AM
8260B	1,2-Dichloropropane	ND	1	5.0	0.26	ug/L	03/31/03 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5.0	0.26	ug/L	03/31/03 AM
8260B	1,3-Dichlorobenzene	ND	1	5.0	0.41	ug/L	03/31/03 AM
8260B	1,3-Dichloropropane	ND	1	5.0	0.24	ug/L	03/31/03 AM
8260B	1,4-Dichlorobenzene	ND	1	5.0	0.35	ug/L	03/31/03 AM
8260B	1,4-Dioxane	ND	1	57.0	18.2	ug/L	03/31/03 AM
8260B	1-Chlorohexane	ND	1	5.0	0.32	ug/L	03/31/03 AM
8260B	2,2-Dichloropropane	ND	1	5.0	0.30	ug/L	03/31/03 AM
8260B	2-Butanone (MEK)	ND	1	100.0	0.75	ug/L	03/31/03 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5.0	0.25	ug/L	03/31/03 AM
8260B	2-Chlorotoluene	ND	1	5.0	0.18	ug/L	03/31/03 AM
8260B	2-Hexanone	ND	1	20.0	0.78	ug/L	03/31/03 AM
8260B	4-Chlorotoluene	ND	1	5.0	0.18	ug/L	03/31/03 AM
8260B	4-Methyl -2- Pentanone	ND	1	10.0	0.20	ug/L	03/31/03 AM
8260B	Acetone	ND	1	100.0	3.18	ug/L	03/31/03 AM
8260B	Acetonitrile	ND	1	50.0	0.49	ug/L	03/31/03 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 419204 **Client Sample ID:** MW-6

Matrix: WATER

Date Sampled: 03/18/2003

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Acrolein	ND	1	200.0	3.3	ug/L	03/31/03 AM
8260B	Acrylonitrile	ND	1	10.0	1.6	ug/L	03/31/03 AM
8260B	Allyl chloride	ND	1	5.0	0.3	ug/L	03/31/03 AM
8260B	Benzene	5.4	1	1.0	0.22	ug/L	03/31/03 AM
8260B	Benzyl chloride	ND	1	5.0	0.37	ug/L	03/31/03 AM
8260B	Bromobenzene	ND	1	5.0	0.58	ug/L	03/31/03 AM
8260B	Bromochloromethane	ND	1	5.0	0.30	ug/L	03/31/03 AM
8260B	Bromodichloromethane	ND	1	5.0	0.25	ug/L	03/31/03 AM
8260B	Bromoform	ND	1	5.0	0.17	ug/L	03/31/03 AM
8260B	Bromomethane	ND	1	5.0	1.15	ug/L	03/31/03 AM
8260B	Carbon Disulfide	ND	1	5.0	2.56	ug/L	03/31/03 AM
8260B	Carbon tetrachloride	ND	1	5.0	0.49	ug/L	03/31/03 AM
8260B	Chlorobenzene	ND	1	5.0	0.18	ug/L	03/31/03 AM
8260B	Chloroethane	ND	1	5.0	0.4	ug/L	03/31/03 AM
8260B	Chloroform	ND	1	5.0	0.36	ug/L	03/31/03 AM
8260B	Chloromethane	ND	1	5.0	0.27	ug/L	03/31/03 AM
8260B	cis-1,2-Dichloroethene	ND	1	5.0	0.30	ug/L	03/31/03 AM
8260B	cis-1,3-Dichloropropene	ND	1	5.0	0.22	ug/L	03/31/03 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	20.0	0.28	ug/L	03/31/03 AM
8260B	Dibromochloromethane	ND	1	5.0	0.22	ug/L	03/31/03 AM
8260B	Dibromomethane	ND	1	5.0	0.25	ug/L	03/31/03 AM
8260B	Dichlorodifluoromethane	ND	1	5.0	0.08	ug/L	03/31/03 AM
8260B	Ethyl benzene	3.3 J	1	5.0	0.31	ug/L	03/31/03 AM
8260B	Ethyl methacrylate	ND	1	50.0	0.2	ug/L	03/31/03 AM
8260B	Ethyl-tertbutylether (ETBE)	ND	1	1.0	0.17	ug/L	03/31/03 AM
8260B	Hexachlorobutadiene	ND	1	5.0	0.24	ug/L	03/31/03 AM
8260B	Iodomethane	ND	1	5.0	0.5	ug/L	03/31/03 AM
8260B	Isopropyl ether (DIPE)	ND	1	1.0	0.29	ug/L	03/31/03 AM
8260B	Isopropylbenzene (Cumene)	3.4 J	1	5.0	0.23	ug/L	03/31/03 AM
8260B	Methacrylonitrile	ND	1	35.0	0.43	ug/L	03/31/03 AM
8260B	Methyl methacrylate	ND	1	5.0	0.38	ug/L	03/31/03 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	1.0	0.18	ug/L	03/31/03 AM
8260B	Methylene chloride	ND	1	5.0	0.64	ug/L	03/31/03 AM
8260B	n-Butylbenzene	ND	1	5.0	0.35	ug/L	03/31/03 AM
8260B	n-Propylbenzene	2.3 J	1	5.0	0.18	ug/L	03/31/03 AM
8260B	Naphthalene	ND	1	5.0	0.88	ug/L	03/31/03 AM
8260B	p-Isopropyltoluene	ND	1	5.0	0.24	ug/L	03/31/03 AM
8260B	Pentachloroethane	ND	1	5.0	0.4	ug/L	03/31/03 AM
8260B	Propionitrile	ND	1	100.0	1.9	ug/L	03/31/03 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 419204 **Client Sample ID:** MW-6

Matrix: WATER

Date Sampled: 03/18/2003

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	sec-Butylbenzene	ND	1	5.0	0.28	ug/L	03/31/03 AM
8260B	Styrene	ND	1	5.0	0.20	ug/L	03/31/03 AM
8260B	Tert-amylmethylether (TAME)	ND	1	1.0	0.28	ug/L	03/31/03 AM
8260B	tert-Butylbenzene	ND	1	5.0	0.35	ug/L	03/31/03 AM
8260B	Tertiary butyl alcohol (TBA)	40	1	10.0	10	ug/L	03/31/03 AM
8260B	Tetrachloroethene	ND	1	5.0	0.36	ug/L	03/31/03 AM
8260B	Toluene	ND	1	5.0	0.32	ug/L	03/31/03 AM
8260B	trans-1,2-Dichloroethene	ND	1	5.0	0.41	ug/L	03/31/03 AM
8260B	trans-1,3-Dichloropropene	ND	1	5.0	0.28	ug/L	03/31/03 AM
8260B	trans-1,4-Dichloro-2-butene	ND	1	20.0	0.28	ug/L	03/31/03 AM
8260B	Trichloroethene	ND	1	5.0	0.23	ug/L	03/31/03 AM
8260B	Trichlorofluoromethane	ND	1	5.0	0.35	ug/L	03/31/03 AM
8260B	Vinyl acetate	ND	1	50.0	0.3	ug/L	03/31/03 AM
8260B	Vinyl chloride	ND	1	5.0	0.27	ug/L	03/31/03 AM
8260B	Xylenes, total	1.1 J	1	5.0	0.4	ug/L	03/31/03 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	108	%	70 - 130
8260B	Surr2 - 1,2-Dichloroethane-d4	110	%	70 - 130
8260B	Surr3 - Toluene-d8	109	%	70 - 130
8260B	Surr4 - p-Bromofluorobenzene	111	%	70 - 130

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 419199 **Client Sample ID**: MW-7

Matrix: WATER

Date Sampled: 03/18/2003

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8021B/AVO	Benzene	ND	1	0.3	0.04	ug/L	03/20/03 LZ
8021B/AVO	Ethyl benzene	ND	1	0.3	0.02	ug/L	03/20/03 LZ
TPH-DHS	Gasoline	ND	1	100	15	ug/L	03/20/03 LZ
8021B/AVO	Methyl t - butyl ether	ND	1	5	0.03	ug/L	03/20/03 LZ
8021B/AVO	Toluene	ND	1	0.3	0.02	ug/L	03/20/03 LZ
8021B/AVO	Xylene (total)	ND	1	0.6	0.06	ug/L	03/20/03 LZ
Surrogates						**Units**	**Control Limits**
TPH-DHS	a,a,a-Trifluorotoluene	70				%	55 - 200

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 419201 **Client Sample ID:** MW-8

Matrix: WATER

Date Sampled: 03/18/2003

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
TPH-DHS	Gasoline	ND	1	100	15	ug/L	03/21/03 LZ
Surrogates						**Units**	**Control Limits**
TPH-DHS	a,a,a-Trifluorotoluene	70				%	55 - 200
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.83	ug/L	03/21/03 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.25	ug/L	03/21/03 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.26	ug/L	03/21/03 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.15	ug/L	03/21/03 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/L	03/21/03 AM
8260B	1,1-Dichloroethane	ND	1	5	0.31	ug/L	03/21/03 AM
8260B	1,1-Dichloroethene	ND	1	5	0.62	ug/L	03/21/03 AM
8260B	1,1-Dichloropropene	ND	1	5	0.72	ug/L	03/21/03 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.61	ug/L	03/21/03 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.22	ug/L	03/21/03 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.61	ug/L	03/21/03 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.49	ug/L	03/21/03 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.74	ug/L	03/21/03 AM
8260B	1,2-Dibromoethane	ND	1	5	0.26	ug/L	03/21/03 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/L	03/21/03 AM
8260B	1,2-Dichloroethane	ND	1	5	0.17	ug/L	03/21/03 AM
8260B	1,2-Dichloropropane	ND	1	5	0.26	ug/L	03/21/03 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.26	ug/L	03/21/03 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.41	ug/L	03/21/03 AM
8260B	1,3-Dichloropropane	ND	1	5	0.24	ug/L	03/21/03 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.35	ug/L	03/21/03 AM
8260B	1,4-Dioxane	ND	1	57	18.2	ug/L	03/21/03 AM
8260B	1-Chlorohexane	ND	1	5	0.32	ug/L	03/21/03 AM
8260B	2,2-Dichloropropane	ND	1	5	0.30	ug/L	03/21/03 AM
8260B	2-Butanone (MEK)	ND	1	100	0.75	ug/L	03/21/03 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.25	ug/L	03/21/03 AM
8260B	2-Chlorotoluene	ND	1	5	0.18	ug/L	03/21/03 AM
8260B	2-Hexanone	ND	1	20	0.78	ug/L	03/21/03 AM
8260B	4-Chlorotoluene	ND	1	5	0.18	ug/L	03/21/03 AM
8260B	4-Methyl -2- Pentanone	ND	1	10	0.20	ug/L	03/21/03 AM
8260B	Acetone	ND	1	100	3.18	ug/L	03/21/03 AM
8260B	Acetonitrile	ND	1	50	0.49	ug/L	03/21/03 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 419201 **Client Sample ID:** MW-8

Matrix: WATER

Date Sampled: 03/18/2003

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Acrolein	ND	1	200	3.3	ug/L	03/21/03 AM
8260B	Acrylonitrile	ND	1	10	1.6	ug/L	03/21/03 AM
8260B	Allyl chloride	ND	1	5	0.3	ug/L	03/21/03 AM
8260B	Benzene	ND	1	1	0.22	ug/L	03/21/03 AM
8260B	Benzyl chloride	ND	1	5	0.37	ug/L	03/21/03 AM
8260B	Bromobenzene	ND	1	5	0.58	ug/L	03/21/03 AM
8260B	Bromochloromethane	ND	1	5	0.30	ug/L	03/21/03 AM
8260B	Bromodichloromethane	ND	1	5	0.25	ug/L	03/21/03 AM
8260B	Bromoform	ND	1	5	0.17	ug/L	03/21/03 AM
8260B	Bromomethane	ND	1	5	1.15	ug/L	03/21/03 AM
8260B	Carbon Disulfide	ND	1	5	2.56	ug/L	03/21/03 AM
8260B	Carbon tetrachloride	ND	1	5	0.49	ug/L	03/21/03 AM
8260B	Chlorobenzene	ND	1	5	0.18	ug/L	03/21/03 AM
8260B	Chloroethane	ND	1	5	0.4	ug/L	03/21/03 AM
8260B	Chloroform	ND	1	5	0.36	ug/L	03/21/03 AM
8260B	Chloromethane	ND	1	5	0.27	ug/L	03/21/03 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.30	ug/L	03/21/03 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.22	ug/L	03/21/03 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	03/21/03 AM
8260B	Dibromochloromethane	ND	1	5	0.22	ug/L	03/21/03 AM
8260B	Dibromomethane	ND	1	5	0.25	ug/L	03/21/03 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.08	ug/L	03/21/03 AM
8260B	Ethyl benzene	ND	1	5	0.31	ug/L	03/21/03 AM
8260B	Ethyl methacrylate	ND	1	50	0.2	ug/L	03/21/03 AM
8260B	Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	03/21/03 AM
8260B	Hexachlorobutadiene	ND	1	5	0.24	ug/L	03/21/03 AM
8260B	Iodomethane	ND	1	5	0.5	ug/L	03/21/03 AM
8260B	Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	03/21/03 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.23	ug/L	03/21/03 AM
8260B	Methacrylonitrile	ND	1	35	0.43	ug/L	03/21/03 AM
8260B	Methyl methacrylate	ND	1	5	0.38	ug/L	03/21/03 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	1	0.18	ug/L	03/21/03 AM
8260B	Methylene chloride	ND	1	5	0.64	ug/L	03/21/03 AM
8260B	n-Butylbenzene	ND	1	5	0.35	ug/L	03/21/03 AM
8260B	n-Propylbenzene	ND	1	5	0.18	ug/L	03/21/03 AM
8260B	Naphthalene	ND	1	5	0.88	ug/L	03/21/03 AM
8260B	p-Isopropyltoluene	ND	1	5	0.24	ug/L	03/21/03 AM
8260B	Pentachloroethane	ND	1	5	0.4	ug/L	03/21/03 AM
8260B	Propionitrile	ND	1	100	1.9	ug/L	03/21/03 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 419201 **Client Sample ID:** MW-8

Matrix: WATER

Date Sampled: 03/18/2003

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/L	03/21/03 AM
8260B	Styrene	ND	1	5	0.20	ug/L	03/21/03 AM
8260B	Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	03/21/03 AM
8260B	tert-Butylbenzene	ND	1	5	0.35	ug/L	03/21/03 AM
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	03/21/03 AM
8260B	Tetrachloroethene	ND	1	5	0.36	ug/L	03/21/03 AM
8260B	Toluene	ND	1	5	0.32	ug/L	03/21/03 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.41	ug/L	03/21/03 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.28	ug/L	03/21/03 AM
8260B	trans-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	03/21/03 AM
8260B	Trichloroethene	ND	1	5	0.23	ug/L	03/21/03 AM
8260B	Trichlorofluoromethane	ND	1	5	0.35	ug/L	03/21/03 AM
8260B	Vinyl acetate	ND	1	50	0.3	ug/L	03/21/03 AM
8260B	Vinyl chloride	ND	1	5	0.27	ug/L	03/21/03 AM
8260B	Xylenes, total	ND	1	5	0.4	ug/L	03/21/03 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	113	%	70 - 130
8260B	Surr2 - 1,2-Dichloroethane-d4	108	%	70 - 130
8260B	Surr3 - Toluene-d8	108	%	70 - 130
8260B	Surr4 - p-Bromofluorobenzene	106	%	70 - 130

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 419207 **Client Sample ID**: Laboratory Method Blank

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8021B/AVO	Benzene	ND	1	0.3	0.04	ug/L	03/21/03 LZ
8021B/AVO	Ethyl benzene	ND	1	0.3	0.02	ug/L	03/21/03 LZ
TPH-DHS	Gasoline	ND	1	100	15	ug/L	03/21/03 LZ
8021B/AVO	Methyl t - butyl ether	ND	1	5	0.03	ug/L	03/21/03 LZ
8021B/AVO	Toluene	ND	1	0.3	0.02	ug/L	03/21/03 LZ
8021B/AVO	Xylene (total)	ND	1	0.6	0.06	ug/L	03/21/03 LZ
Surrogates						**Units**	**Control Limits**
TPH-DHS	a,a,a-Trifluorotoluene	70				%	55 - 200

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.83	ug/L	03/21/03 AM
8260B	1,1,1-Trichloroethane	ND	1	5	0.25	ug/L	03/21/03 AM
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.26	ug/L	03/21/03 AM
8260B	1,1,2-Trichloroethane	ND	1	5	0.15	ug/L	03/21/03 AM
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.10	ug/L	03/21/03 AM
8260B	1,1-Dichloroethane	ND	1	5	0.31	ug/L	03/21/03 AM
8260B	1,1-Dichloroethene	ND	1	5	0.62	ug/L	03/21/03 AM
8260B	1,1-Dichloropropene	ND	1	5	0.72	ug/L	03/21/03 AM
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.61	ug/L	03/21/03 AM
8260B	1,2,3-Trichloropropane	ND	1	5	0.22	ug/L	03/21/03 AM
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.61	ug/L	03/21/03 AM
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.49	ug/L	03/21/03 AM
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	1.74	ug/L	03/21/03 AM
8260B	1,2-Dibromoethane	ND	1	5	0.26	ug/L	03/21/03 AM
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/L	03/21/03 AM
8260B	1,2-Dichloroethane	ND	1	5	0.17	ug/L	03/21/03 AM
8260B	1,2-Dichloropropane	ND	1	5	0.26	ug/L	03/21/03 AM
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.26	ug/L	03/21/03 AM
8260B	1,3-Dichlorobenzene	ND	1	5	0.41	ug/L	03/21/03 AM
8260B	1,3-Dichloropropane	ND	1	5	0.24	ug/L	03/21/03 AM
8260B	1,4-Dichlorobenzene	ND	1	5	0.35	ug/L	03/21/03 AM
8260B	1,4-Dioxane	ND	1	57	18.2	ug/L	03/21/03 AM
8260B	1-Chlorohexane	ND	1	5	0.32	ug/L	03/21/03 AM
8260B	2,2-Dichloropropane	ND	1	5	0.30	ug/L	03/21/03 AM
8260B	2-Butanone (MEK)	ND	1	100	0.75	ug/L	03/21/03 AM
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.25	ug/L	03/21/03 AM
8260B	2-Chlorotoluene	ND	1	5	0.18	ug/L	03/21/03 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 419207 **Client Sample ID:** Laboratory Method Blank

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	2-Hexanone	ND	1	20	0.78	ug/L	03/21/03 AM
8260B	4-Chlorotoluene	ND	1	5	0.18	ug/L	03/21/03 AM
8260B	4-Methyl -2- Pentanone	ND	1	10	0.20	ug/L	03/21/03 AM
8260B	Acetone	ND	1	100	3.18	ug/L	03/21/03 AM
8260B	Acetonitrile	ND	1	50	0.49	ug/L	03/21/03 AM
8260B	Acrolein	ND	1	200	3.3	ug/L	03/21/03 AM
8260B	Acrylonitrile	ND	1	10	1.6	ug/L	03/21/03 AM
8260B	Allyl chloride	ND	1	5	0.3	ug/L	03/21/03 AM
8260B	Benzene	ND	1	1	0.22	ug/L	03/21/03 AM
8260B	Benzyl chloride	ND	1	5	0.37	ug/L	03/21/03 AM
8260B	Bromobenzene	ND	1	5	0.58	ug/L	03/21/03 AM
8260B	Bromochloromethane	ND	1	5	0.30	ug/L	03/21/03 AM
8260B	Bromodichloromethane	ND	1	5	0.25	ug/L	03/21/03 AM
8260B	Bromoform	ND	1	5	0.17	ug/L	03/21/03 AM
8260B	Bromomethane	ND	1	5	1.15	ug/L	03/21/03 AM
8260B	Carbon Disulfide	ND	1	5	2.56	ug/L	03/21/03 AM
8260B	Carbon tetrachloride	ND	1	5	0.49	ug/L	03/21/03 AM
8260B	Chlorobenzene	ND	1	5	0.18	ug/L	03/21/03 AM
8260B	Chloroethane	ND	1	5	0.4	ug/L	03/21/03 AM
8260B	Chloroform	ND	1	5	0.36	ug/L	03/21/03 AM
8260B	Chloromethane	ND	1	5	0.27	ug/L	03/21/03 AM
8260B	cis-1,2-Dichloroethene	ND	1	5	0.30	ug/L	03/21/03 AM
8260B	cis-1,3-Dichloropropene	ND	1	5	0.22	ug/L	03/21/03 AM
8260B	cis-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	03/21/03 AM
8260B	Dibromochloromethane	ND	1	5	0.22	ug/L	03/21/03 AM
8260B	Dibromomethane	ND	1	5	0.25	ug/L	03/21/03 AM
8260B	Dichlorodifluoromethane	ND	1	5	0.08	ug/L	03/21/03 AM
8260B	Ethyl benzene	ND	1	5	0.31	ug/L	03/21/03 AM
8260B	Ethyl methacrylate	ND	1	50	0.2	ug/L	03/21/03 AM
8260B	Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	03/21/03 AM
8260B	Hexachlorobutadiene	ND	1	5	0.24	ug/L	03/21/03 AM
8260B	Iodomethane	ND	1	5	0.5	ug/L	03/21/03 AM
8260B	Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	03/21/03 AM
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.23	ug/L	03/21/03 AM
8260B	Methacrylonitrile	ND	1	35	0.43	ug/L	03/21/03 AM
8260B	Methyl methacrylate	ND	1	5	0.38	ug/L	03/21/03 AM
8260B	Methyl-tert-butylether (MTBE)	ND	1	1	0.18	ug/L	03/21/03 AM
8260B	Methylene chloride	ND	1	5	0.64	ug/L	03/21/03 AM
8260B	n-Butylbenzene	ND	1	5	0.35	ug/L	03/21/03 AM

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

Order #: 419207 **Client Sample ID:** Laboratory Method Blank

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	n-Propylbenzene	ND	1	5	0.18	ug/L	03/21/03 AM
8260B	Naphthalene	ND	1	5	0.88	ug/L	03/21/03 AM
8260B	p-Isopropyltoluene	ND	1	5	0.24	ug/L	03/21/03 AM
8260B	Pentachloroethane	ND	1	5	0.4	ug/L	03/21/03 AM
8260B	Propionitrile	ND	1	100	1.9	ug/L	03/21/03 AM
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/L	03/21/03 AM
8260B	Styrene	ND	1	5	0.20	ug/L	03/21/03 AM
8260B	Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	03/21/03 AM
8260B	tert-Butylbenzene	ND	1	5	0.35	ug/L	03/21/03 AM
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	03/21/03 AM
8260B	Tetrachloroethene	ND	1	5	0.36	ug/L	03/21/03 AM
8260B	Toluene	ND	1	5	0.32	ug/L	03/21/03 AM
8260B	trans-1,2-Dichloroethene	ND	1	5	0.41	ug/L	03/21/03 AM
8260B	trans-1,3-Dichloropropene	ND	1	5	0.28	ug/L	03/21/03 AM
8260B	trans-1,4-Dichloro-2-butene	ND	1	20	0.28	ug/L	03/21/03 AM
8260B	Trichloroethene	ND	1	5	0.23	ug/L	03/21/03 AM
8260B	Trichlorofluoromethane	ND	1	5	0.35	ug/L	03/21/03 AM
8260B	Vinyl acetate	ND	1	50	0.3	ug/L	03/21/03 AM
8260B	Vinyl chloride	ND	1	5	0.27	ug/L	03/21/03 AM
8260B	Xylenes, total	ND	1	5	0.4	ug/L	03/21/03 AM

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	120	%	70 - 130
8260B	Surr2 - 1,2-Dichloroethane-d4	110	%	70 - 130
8260B	Surr3 - Toluene-d8	102	%	70 - 130
8260B	Surr4 - p-Bromofluorobenzene	107	%	70 - 130

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S=Surrogate Outside Control Limits

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LCS / LCSD

Matrix: WATER

Prep. Date: 03/20/03

Analysis Date: 3/20/03-3/21/03

ID#'s in Batch: LR 108163, 108116

Reporting Units = ug/L

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

			PREP BLK					
			Value	Result	True	%Rec	L.Limit	H.Limit
Test	**Method**	LCS	ND	471	500	94	80%	120%
TPH	8015M-G	LCSD	ND	440	500	88	80%	120%

LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	70
LCS	120
LCSD	118

AAA-TFT = a,a,a-Trifluorotoluene

ASSOCIATED LABORATORIES

LCS REPORT FORM

QC Sample: LCS / LCSD

Matrix: WATER

Prep. Date: 03/20/03

Analysis Date: 3/20/03-3/21/03

LAB ID#'s in Batch: LR 108163, 108116

REPORTING UNITS = ug/L

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

Test	Method	PREP. BLK	LCS			LCSD	
		Value	Result	TRUE	%Rec	Result	%Rec
Benzene	8021	ND	23.6	20	118	23.8	119
Toluene	8021	ND	22.6	20	113	22.4	112
Ethylbenzene	8021	ND	20.8	20	104	20.9	105
Xylenes	8021	ND	60.3	60	101	60.4	101

LCS = Lab Control Sample Result

TRUE = True Value of LCS

L.LIMIT / H.LIMIT = LCS Control Limits

L.Limit	H.Limit
80%	120%

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	70
LCS	73
LCSD	76

AAA-TFT = a,a,a-Trifluorotoluene

ASSOCIATED LABORATORIES

LCS REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: LCS/LCSD - Water Samples

Analysis Date: 03/21/03 7:43 AM

Applies to: LR 107926, 108116

Reporting Units = ug/L

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk. Dup	%Rec LCS	%Rec LCS D	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	49.63	48.63	99	97	2	22	59-172
MTBE	ND	50	43.86	46.13	88	92	5	24	62-137
Benzene	ND	50	43.93	42.52	88	85	3	24	62-137
Trichloroethene	ND	50	51.37	49.95	103	100	3	21	66-142
Toluene	ND	50	48.72	47.09	97	94	3	21	59-139
Chlorobenzene	ND	50	46.70	44.17	93	88	6	21	60-133

QC Sample: LCS # 1 1:10 PM
Analysis Date: 03/20/03

LCS RECOVERY / METHOD BLANK

Test	Sample Result	Spike Added	LCS Spike	%Rec LCS	QC Limits %REC
1,1-Dichloroethene	ND	50	53.10	106	59-172
MTBE	ND	50	45.86	92	62-137
Benzene	ND	50	49.28	99	62-137
Trichloroethene	ND	50	50.18	100	66-142
Toluene	ND	50	49.01	98	59-139
Chlorobenzene	ND	50	47.21	94	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-130)

Compound	LCS 1	MB 1	MB 2	LCS	LCSD
Dibromofluoromethane	119	121	120	109	114
1,2-Dichloroethane-d4	106	106	110	95	99
Toluene-d8	108	102	102	107	103
p-Bromofluorobenzene	105	107	107	109	104

CHAIN-OF-CUSTODY RECORD 108116

Client: AEC		Date: 3-18-03				Analysis Requested										LAB Project #			
Project Name: VOGUE Tyres		Client Project #														Page 1 of 1			
Project Address: 240 W McCarthur Blvd		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			
OAKLAND, CA																			
Sampler's Signature: Jerrod Bud																			
Sample	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil(S) Sludge(SL), Aqueous(A)	Tph-S/BTXE/MTBE	Tph-S/8260's									Number of Containers	Container / Comments		
MW-7		3-18-03			A	X										2			
MW-4		3-18-03			A	X										2			
MW-8		3-18-03			A		X									2			
MW-3		3-18-03			A		X									2			
MW-2		3-18-03			A		X									2			
MW-6		3-18-03			A		X									2			
MW-1		3-18-03			A		X									2			
MW-5		3-18-03			A		X									2			

❶ Relinquished by: (Signature) Jerrod Bud	Date 3-19-03	❷ Received by: (Signature)	Date 3/19/3	16	Total Number of Containers
Company: AEC	Time	Company: Assoc Labs	Time 9:15		
❸ Relinquished by: (Signature)	Date	❹ Received by Laboratory: (Signature) 3-19-03 2:50	Date		
Company:	Time	Company:	Time		

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