R0450

ConocoPhillips

76 Broadway
Sacramento, CA 95818
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August 5, 2005

Mr. Don Hwang
Alameda County Health Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: **Document Transmittal**
Fuel Leak Case
76 Station #0843
1629 Webster Street
Alameda, CA

Dear Mr. Hwang:

Please find attached ATC's *Quarterly Summary Report, dated 7/13/05,* and TRC's *Quarterly Monitoring Report, dated 6/28/05* for the above referenced site. I declare, under penalty of perjury, that to the best of my knowledge the information and/or recommendations contained in the attached proposal or report are true and correct.

If you have any questions or need additional information, please call me at (916) 558-7666.

Sincerely,

Thomas H. Kosel
Site Manger, Risk Management and Remediation
ConocoPhillips
76 Broadway, Sacramento, CA 95818

Attachment
cc: Dave Evans, ATC

RO450

ATC ASSOCIATES INC.

6602 Owens Dr. Suite 100
Pleasanton, California 94588
www.atc-enviro.com
925.460.5300
Fax 925.463.2559

July 13, 2005

Mr. Donald Hwang
Alameda County Department of Public Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: Quarterly Summary Report – Second Quarter 2005
76 Service Station No. 0843 / WNO 2807
1629 Webster Street
Alameda, CA

Dear Mr. Hwang:

On behalf of ConocoPhillips Company, ATC Associates Inc. is forwarding the quarterly summary report for the above referenced facility.

Sincerely,
ATC ASSOCIATES INC.

David A. Evans for Dave Evans
Senior Project Manager

Janine Weber-Band, PhD, CEG #2286
Senior Geologist

Attachment: Tables of groundwater historic fluid levels and analytical results
Site Plan
Quarterly Monitoring report, prepared by TRC (June 28, 2005)

Cc: Mr. Thomas Kosel – ConocoPhillips (Electronic copy only)

RO 450

QUARTERLY SUMMARY REPORT
Second Quarter 2005

76 Service Station No. 0843 / WNO 2807
1629 Webster Street
Alameda, CA

City/County ID#: Alameda
County: Alameda

SITE BACKGROUND AND ACTIVITY

June 1998 - Tosco Marketing Company (Tosco, now ConocoPhillips) removed two 10,000-gallon gasoline underground storage tanks (USTs), one 550-gallon used oil UST, product lines, and dispensers. Two holes approximately ¾-inch in diameter were observed in the used oil tank during removal. Approximately 338 tons of hydrocarbon impacted soil and backfill were removed from beneath the former USTs, dispensers, and product lines during the UST removal activities.

March 1999 – Four soil borings (B1 through B4) were advanced at the site and converted to monitor wells MW-1 through MW-4. Groundwater was encountered from 8 to 15 feet below ground surface (bgs). Static water was observed at between 4 and 6 feet bgs subsequent to well installation.

December 1999 – Two offsite soil borings (B5 and B6) were advanced and subsequently converted to monitor wells MW5 and MW6. Groundwater was encountered at approximately 10 feet below ground surface (bgs). Static water was observed at 7 feet bgs subsequent to well installation.

March 2001 - An underground utility survey was conducted to identify and locate underground utilities beneath and in the vicinity of the site that could provide potential preferential pathways for groundwater flow.

May 2001 - Five direct-push soil borings (GP-1 through GP-5) were installed to evaluate whether underground utilities in the vicinity of the site are providing preferential pathways for groundwater flow and the migration of dissolved hydrocarbons. The results of the investigation indicated that there was insufficient evidence to suggest that underground utility lines were providing preferential pathways for the off-site migration of dissolved petroleum hydrocarbons.

December 2001 - Twelve direct-push soil borings (GP-6 through GP-17) were completed to further assess the extent of residual hydrocarbons in the vadose zone beneath the site. The results of the investigation indicated that the extent of the residual hydrocarbon impact detected in the previous investigations was limited and that remedial action was not warranted.

December 2002 - One on-site monitoring well (MW-2) was destroyed during remedial excavation of hydrocarbon-impacted soil. This well was completed in the vicinity of the former eastern dispenser island and was replaced with on-site backfill monitoring well MW-2A. Approximately 292 tons of hydrocarbon-impacted soil were removed from beneath the former eastern dispenser island.

September 2003 - A *Request and Work Plan for Closure* prepared by ERI was submitted to the Alameda County Health Care Services Agency, dated September 10, 2003. The report summarized why no further action is needed for the site; the report also included plans to destroy the existing wells upon regulatory acceptance for no further action.

June 2004 – A Work Plan was submitted to install one monitor well down gradient of MW-5.

SENSITIVE RECEPTORS

June/July 2002 - A groundwater receptor survey was conducted. Three irrigation wells were located within a ½ - mile radius of the site. The wells were reportedly located approximately 1,980 feet west and 2,245 feet southwest of the site, cross or upgradient of the site.

GROUNDWATER MONITORING AND SAMPLING

Quarterly groundwater monitoring and sampling was initiated in March 1999. During the most recent groundwater sampling event conducted on May 17, 2005, depth to groundwater ranged from 4.93 feet (MW-4) to 5.83 feet (MW-1) below top of casing (TOC). The groundwater flow direction was reported towards the northeast at a gradient of 0.006 ft/ft. Maximum dissolved groundwater concentrations were present as follows: TPPH (54 ug/l in MW-2A), benzene (2.1 ug/l in MW-2A), and MtBE (2,200 ug/l in MW-6).

REMEDIATION STATUS

Approximately 338 tons of hydrocarbon impacted soil and backfill were removed from beneath the former USTs, dispensers, and product lines during UST removal activities. Approximately 292 tons of hydrocarbon-impacted soil were removed from beneath the former eastern island during the December 2002 excavation.

CHARACTERIZATION STATUS

Based on the most current (May 17, 2005) and historic dissolved analytical data, MtBE is not defined offsite cross gradient (east-west) of MW-6 and down gradient (north) of onsite well MW-4. Upgradient monitor well, MW-1, contained 27 ug/l of MtBE on March 11, 2005, this well is sampled on an annual basis. An expanded monitor well network is needed to define the dissolved MtBE offsite and downgradient of the site. Additionally, historic Sanborn maps, aerial photographs and record search data suggest the possibility of an offsite hydrocarbon source on the North side of Pacific Street. Additional investigation is warranted to determine the nature and extent of these findings.

Compound	Groundwater (ug/l)	Wells Exceeding ESL	Soil ESL Residential (mg/kg)	Wells Exceeding ESL	Soil ESL Commercial (mg/kg)	Wells Exceeding ESL
Benzene	**1.0**	MW-2A	**0.044**	TBD	0.044	---
Toluene	**40**	-	**2.9**	TBD	2.9	---
Ethyl benzene	**30**	-	**3.3**	TBD	3.3	---
Xylenes	**20**	-	**2.3**	TBD	2.3	---
MtBE	**5.0**	MW-6	**0.023**	TBD	0.023	---
TPH-g	**100**	MW-2A, MW-6	**100**	TBD	100	---

TBD- To Be Determined

RECENT CORRESPONDENCE

1. A Work Plan prepared by ATC Associates titled *Work Plan Addendum – Site Assessment Activity* dated May 17, 2005 was submitted to the Alameda County Department of Public Health. No response has been received at this time.

THIS QUARTER ACTIVITIES (Second Quarter 2005)

1. The monitoring well network was sampled by TRC on May 17, 2005.

WASTE DISPOSAL SUMMARY

No waste was generated during this reporting period.

NEXT QUARTER ACTIVITIES (Third Quarter 2005)

1. The well network will be sampled by TRC.

2. Pending regulatory approval of Miller Brooks' Work Plan for Additional Subsurface Site Assessment Activities dated June 23, 2004, and ATC's Work Plan Addendum for Site Assessment Activity dated May 17, 2005 requesting two additional monitoring wells, ConocoPhillips plans to install three offsite groundwater monitoring wells in an attempt to delineate the northern extent of the hydrocarbon plume and determine if subsurface utilities are acting as a preferential pathway for hydrocarbon migration.

3. ATC plans on conducting further research to determine the potential for additional offsite hydrocarbon release sources in the vicinity.

CONSULTANT: ATC Associates Inc.

Table 1

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
Former 76 Station 0843
1629 Webster St., Alameda, CA

Well No.	Monitoring Date	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Surface Elevation (feet)	Depth of Well (feet)	Depth of Screen (feet)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	TPH-G (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	TAME 8260B (µg/l)	TPPH 8260B (µg/l)
MW-1	03/05/99	--	--	--	16.18	20.5	4.5	ND	2.04	ND	4.06	86.6	--	23.9	--	--
	06/03/99	6.24	0	9.94	16.18	20.5	4.5	ND	ND	ND	ND	ND	ND	ND	--	--
	09/02/99	7.19	0	8.99	16.18	20.5	4.5	ND	ND	ND	ND	ND	ND	ND	ND	--
	12/14/99	8.07	0	8.11	16.18	20.5	4.5	ND	ND	ND	ND	ND	ND	--	--	--
	03/14/00	5.47	0	10.71	16.18	20.5	4.5	ND	ND	ND	ND	ND	ND	--	--	--
	05/31/00	6.22	0	9.96	16.18	20.5	4.5	ND	ND	ND	ND	ND	ND	--	--	--
	08/29/00	6.82	0	9.36	16.18	20.5	4.5	ND	ND	ND	ND	ND	ND	--	--	--
	12/01/00	7.54	0	8.64	16.18	20.5	4.5	ND	ND	ND	ND	ND	ND	--	--	--
	03/17/01	5.73	0	10.45	16.18	20.5	4.5	ND	ND	ND	ND	ND	ND	--	--	--
	05/23/01	6.43	0	9.75	16.18	20.5	4.5	ND	ND	ND	ND	ND	ND	--	--	--
	09/24/01	7.12	0	9.06	16.18	20.5	4.5	<0.50	<0.50	<0.50	<0.50	<50	<0.50	--	--	--
	12/10/01	6.89	0	9.29	16.18	20.5	4.5	<0.50	<0.50	<0.50	<0.50	<50	<0.50	--	--	--
	03/11/02	5.61	0	10.57	16.18	20.5	4.5	<0.50	<0.50	<0.50	<0.50	<50	<0.50	--	--	--
	06/07/02	5.71	0	10.47	16.18	20.5	4.5	<0.50	<0.50	<0.50	<0.50	<50	<0.50	--	--	--
	09/03/02	--	--	--	16.18	20.5	4.5	--	--	--	--	--	--	--	--	--
	12/12/02	7.8	0	8.38	16.18	20.5	4.5	--	--	--	--	--	--	--	--	--
	03/13/03	5.94	0	10.24	16.18	20.5	4.5	--	--	--	--	--	--	--	--	--
	06/12/03	6.1	0	10.08	16.18	20.5	4.5	--	--	--	--	--	--	--	--	--
	09/12/03	6.65	0	9.53	16.18	20.5	4.5	--	--	--	--	--	--	--	--	--
	12/31/03	5.74	0	10.44	16.18	20.5	4.5	--	--	--	--	--	--	--	--	--
	02/12/04	6.02	0	10.16	16.18	20.5	4.5	--	--	--	--	--	--	--	--	--
	06/07/04	6.61	0	9.57	16.18	20.5	4.5	--	--	--	--	--	--	--	--	--
	09/17/04	7.58	0	8.6	16.18	20.5	4.5	--	--	--	--	--	--	--	--	--
	12/11/04	6.49	0	9.69	16.18	20.5	4.5	--	--	--	--	--	--	--	--	--
	03/15/05	5.28	0	10.9	16.18	20.5	4.5	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	27	ND<0.50	ND<50
	05/17/05	5.83	0	10.35	16.18	20.5	4.5	-	-	-	-	-	-	-	-	-
MW-2	03/05/99	--	0	--	15.57	--	--	2070	7710	2340	8240	34400	--	8460	--	--
	06/03/99	5.96	0	9.61	15.57	--	--	1820	7570	2510	7320	51200	6460	8800	--	--
	09/02/99	6.85	0	8.72	15.57	--	--	1000	3100	1400	3700	17000	4000	3720	ND	--
	12/14/99	7.65	0	7.92	15.57	--	--	3000	22000	4500	17000	83000	9100	11000	ND	--
	03/14/00	5.26	0	10.31	15.57	--	--	1600	4600	2300	7300	31000	5700	8700	ND	--
	05/31/00	5.6	0	9.97	15.57	--	--	598	1030	487	2060	9970	2500	1670	ND	--
	08/29/00	6.35	0	9.22	15.57	--	--	390	1500	280	1900	7900	1800	1300	ND	--
	12/01/00	7.06	0	8.51	15.57	--	--	1860	17400	5590	19400	87500	6220	3790	ND	--
	03/17/01	5.98	0	9.59	15.57	--	--	371	59	280	682	4310	321	433	ND	--

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Former 76 Station 0843
1629 Webster St., Alameda, CA

Well No.	Monitoring Date	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Surface Elevation (feet)	Depth of Well (feet)	Depth of Screen (feet)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	TPH-G (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	TAME 8260B (µg/l)	TPPH 8260B (µg/l)
	05/23/01	6.97	0	8.6	15.57	--	--	374	4490	2790	10900	45400	ND	406	ND	--
	09/24/01	7.56	0	8.01	15.57	--	--	430	13000	4700	18000	76000	<2000	480	<100	--
	12/10/01	6.52	0	9.05	15.57	--	--	320	9100	4400	16000	82000	<2500	270	<25	--
	03/11/02	5.51	0	10.06	15.57	--	--	75	1400	1100	3600	14000	<250	150	<20	--
	06/07/02	5.73	0	9.84	15.57	--	--	120	1200	1400	4700	14000	540	200	<25	--
	09/03/02	6.81	0	8.76	15.57	--	--	150	1200	610	2800	10000	510	460	<20	--
	12/12/02	--	--	--	15.57	--	--	--	--	--	--	--	--	--	--	--
MW-2A	12/12/02	7.45	0	8.11	15.56	11.5	5	80	260	210	1000	3400	380	400	<2.0	--
	03/13/03	5.85	0	--	--	11.5	5	<0.50	<0.5	<0.5	1.8	<50	2.4	2.4	<2.0	--
	06/12/03	6.08	0	--	--	11.5	5	0.59	0.69	<0.5	1.2	<50	6	4.7	<2.0	--
	09/12/03	6.54	0	9.02	15.56	11.5	5	1.8	4.2	6.1	20	--	--	6.6	<2.0	120
	12/31/03	5.63	0	9.93	15.56	11.5	5	0.79	1.8	3.6	14	88	<5.0	2.9	<2.0	--
	02/12/04	5.68	0	9.88	15.56	11.5	5	2.6	4.8	13	48	160	7.2	7.9	<2.0	--
	06/07/04	6.21	0	9.35	15.56	11.5	5	0.8	1.2	2.1	9.1	94	4.5	3.7	<1.0	--
	09/17/04	7.16	0	8.4	15.56	11.5	5	3.5	6.1	13	41	--	--	83	<0.50	230
	12/11/04	5.84	0	9.72	15.56	11.5	5	<0.50	<0.5	<0.5	<1.0	--	--	1.2	<0.50	<50
	03/15/05	5.52	0	10.04	15.56	11.5	5	0.84	1.7	2.4	9.8	--	--	<10	<0.50	92
	05/17/05	5.55	0	10.01	15.56	11.5	5	2.1	1.7	1.9	7.0	-	-	2.9	-	54
MW-3	03/05/99	--	0	--	15.11	20	5	ND	ND	ND	4.84	135	--	2.46	--	--
	06/03/99	5.57	0	9.54	15.11	20	5	ND	ND	ND	ND	ND	5.23	12.7	--	--
	09/02/99	6.5	0	8.61	15.11	20	5	ND	ND	ND	ND	ND	13	11	ND	--
	12/14/99	7.28	0	7.83	15.11	20	5	ND	ND	ND	ND	ND	ND	--	--	--
	03/14/00	4.87	0	10.24	15.11	20	5	ND	ND	ND	ND	ND	7.2	6.3	--	--
	05/31/00	5.58	0	9.53	15.11	20	5	ND	ND	ND	ND	ND	ND	--	--	--
	08/29/00	6.06	0	9.05	15.11	20	5	ND	ND	ND	ND	ND	ND	ND	--	--
	12/01/00	6.76	0	8.35	15.11	20	5	ND	ND	ND	ND	ND	ND	--	--	--
	03/17/01	5.09	0	10.02	15.11	20	5	ND	ND	ND	ND	ND	ND	--	--	--
	05/23/01	5.72	0	9.39	15.11	20	5	ND	ND	ND	ND	ND	ND	--	--	--
	09/24/01	6.34	0	8.77	15.11	20	5	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--
	12/10/01	6.31	0	8.8	15.11	20	5	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--
	03/11/02	5.15	0	9.96	15.11	20	5	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--
	06/07/02	5.45	0	9.66	15.11	20	5	<0.50	<0.50	<0.50	<0.50	<50	<2.5	--	--	--
	12/12/02	7.15	0	7.96	15.11	20	5	--	--	--	--	--	--	--	--	--

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1629 Webster St., Alameda, CA

Well No.	Monitoring Date	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Surface Elevation (feet)	Depth of Well (feet)	Depth of Screen (feet)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	TPH-G (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	TAME 8260B (µg/l)	TPPH 8260B (µg/l)
	03/13/03	5.37	0	9.74	15.11	20	5	--	--	--	--	--	--	--	--	--
	06/12/03	5.51	0	9.6	15.11	20	5	--	--	--	--	--	--	--	--	--
	09/12/03	6.03	0	9.08	15.11	20	5	--	--	--	--	--	--	--	--	--
	12/31/03	5.62	0	9.49	15.11	20	5	--	--	--	--	--	--	--	--	--
	02/12/04	5.51	0	9.6	15.11	20	5	--	--	--	--	--	--	--	--	--
	06/07/04	5.92	0	9.19	15.11	20	5	--	--	--	--	--	--	--	--	--
	09/17/04	--	--	--	15.11	20	5	--	--	--	--	--	--	--	--	--
	12/11/04	5.94	0	9.17	15.11	20	5	--	--	--	--	--	--	--	--	--
	03/11/05	4.76	0	10.35	15.11	20	5	<0.50	<0.50	<0.50	<1.0	--	--	<0.50	<0.50	<50
	05/17/05	5.23	0	9.88	15.11	20	5	<0.50	<0.50	<0.50	<1.0	-	-	<0.50	-	<50
MW-4	03/05/99	--	0	--	15.17	20.5	5	ND	ND	ND	2.44	ND	--	25.2	--	--
	06/03/99	5.45	0	9.72	15.17	20.5	5	ND	ND	ND	ND	ND	ND	3.96	--	--
	09/02/99	6.48	0	8.69	15.17	20.5	5	ND	ND	ND	ND	ND	23	27	ND	--
	12/14/99	7.27	0	7.9	15.17	20.5	5	ND	ND	ND	ND	ND	200	270	--	--
	03/14/00	4.67	0	10.5	15.17	20.5	5	ND	ND	ND	ND	ND	46	49	--	--
	05/31/00	5.48	0	9.69	15.17	20.5	5	ND	ND	ND	ND	ND	ND	--	--	--
	08/29/00	6.1	0	9.07	15.17	20.5	5	ND	ND	ND	ND	ND	6.1	3.2	--	--
	12/01/00	6.79	0	8.38	15.17	20.5	5	ND	ND	ND	ND	ND	152	101	--	--
	03/17/01	5.01	0	10.16	15.17	20.5	5	ND	ND	ND	ND	ND	ND	--	--	--
	05/23/01	5.78	0	9.39	15.17	20.5	5	ND	ND	ND	ND	ND	ND	--	--	--
	09/24/01	6.42	0	8.75	15.17	20.5	5	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--
	12/10/01	6.41	0	8.76	15.17	20.5	5	<0.50	<0.50	<0.50	<0.50	<50	1700	1300	<14	--
	03/11/02	5.05	0	10.12	15.17	20.5	5	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--
	06/07/02	5.42	0	9.75	15.17	20.5	5	<0.50	<0.50	<0.50	<0.50	<50	<2.5	--	--	--
	09/03/02	6.5	0	8.67	15.17	20.5	5	<0.50	<0.50	<0.50	<0.50	<50	<2.5	--	--	--
	12/12/02	7.18	0	7.99	15.17	20.5	5	<0.50	<0.50	<0.50	<0.50	<50	2.9	3.3	<2.0	--
	03/13/03	5.42	0	9.75	15.17	20.5	5	<0.50	<0.50	<0.50	<0.50	<50	<2.0	--	--	--
	06/12/03	5.6	0	9.57	15.17	20.5	5	<0.50	<0.50	<0.50	<0.50	<50	<2.0	--	--	--
	09/12/03	6.07	0	9.1	15.17	20.5	5	<0.50	<0.50	<0.50	<1.0	--	--	<2.0	--	<50
	12/31/03	5.63	0	9.54	15.17	20.5	5	<0.50	<0.50	<0.50	<5.0	750	790	--	--	--
	02/12/04	5.26	0	9.91	15.17	20.5	5	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--
	06/07/04	5.82	0	9.35	15.17	20.5	5	<0.3	<0.3	<0.3	<0.6	<50	<1.0	--	--	--
	09/17/04	6.86	0	8.31	15.17	20.5	5	<0.50	<0.50	<0.50	<1.0	--	--	10	<0.50	56
	12/11/04	6.01	0	9.16	15.17	20.5	5	<0.50	<0.50	<0.25	<5.0	--	--	380	<2.5	350
	03/11/05	4.61	0	10.56	15.17	20.5	5	<0.50	<0.50	<0.50	<1.0	--	--	<0.50	<0.50	<50

Table 1

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Former 76 Station 0843
1629 Webster St., Alameda, CA

Well No.	Monitoring Date	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Surface Elevation (feet)	Depth of Well (feet)	Depth of Screen (feet)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	TPH-G (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	TAME 8260B (µg/l)	TPPH 8260B (µg/l)
	05/17/05	4.93	0	10.24	15.17	20.5	5	<0.50	<0.50	<0.50	<1.0	-	-	<0.50	-	<50
MW-5	12/14/99	6.45	0	6.89	13.34	20	5	ND	ND	ND	ND	ND	3.5	3.8	--	--
	03/14/00	4.46	0	8.88	13.34	20	5	ND	ND	ND	ND	ND	ND	--	--	--
	05/31/00	5.18	0	8.16	13.34	20	5	ND	ND	ND	ND	ND	ND	--	--	--
	08/29/00	5.46	0	7.88	13.34	20	5	ND	ND	ND	ND	ND	ND	--	--	--
	12/01/00	5.95	0	7.39	13.34	20	5	ND	ND	ND	ND	ND	ND	--	--	--
	03/17/01	5.36	0	7.98	13.34	20	5	ND	ND	ND	ND	ND	ND	--	--	--
	05/23/01	5.09	0	8.25	13.34	20	5	ND	ND	ND	ND	ND	ND	--	--	--
	09/24/01	5.58	0	7.76	13.34	20	5	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--
	12/10/01	5.51	0	7.83	13.34	20	5	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--
	03/11/02	4.7	0	8.64	13.34	20	5	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--
	06/07/02	--	--	--	13.34	20	5	--	--	--	--	--	--	--	--	--
	09/03/02	--	--	--	13.34	20	5	--	--	--	--	--	--	--	--	--
	12/12/02	6.42	0	6.92	13.34	20	5	<0.50	<0.50	<0.50	<0.50	<50	<2.0	--	--	--
	03/13/03	5.12	0	8.22	13.34	20	5	<0.50	<0.50	<0.50	<0.50	<50	<2.0	--	--	--
	06/12/03	5.24	0	8.1	13.34	20	5	<0.50	<0.50	<0.50	<0.50	<50	<2.0	--	--	--
	09/12/03	5.53	0	7.81	13.34	20	5	<0.50	<0.50	<0.50	<1.0	--	--	<2.0	--	<50
	12/31/03	5.11	0	8.23	13.34	20	5	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--
	02/12/04	5.02	0	8.32	13.34	20	5	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--
	06/07/04	5.35	0	7.99	13.34	20	5	<0.3	<0.3	<0.3	<0.6	<50	<1	--	--	--
	09/17/04	6.1	0	7.24	13.34	20	5	--	--	--	--	--	--	--	--	--
	12/11/04	5.53	0	7.81	13.34	20	5	--	--	--	--	--	--	--	--	--
	03/11/05	4.96	0	8.38	13.34	20	5	<0.50	<0.50	<0.50	<1.0	--	--	<0.50	<0.50	<50
	05/17/05	5.04	0	8.3	13.34	20	5	<0.50	<0.50	<0.50	<1.0	-	-	<0.50	-	<50
MW-6	12/14/99	6.64	0	7.44	14.08	20	5	ND	ND	ND	ND	ND	11000	18000	--	--
	03/14/00	4.72	0	9.36	14.08	20	5	ND	ND	ND	ND	ND	19000	21000	--	--
	05/31/00	5.28	0	8.8	14.08	20	5	ND	ND	ND	ND	ND	13200	--	--	--
	08/29/00	5.39	0	8.69	14.08	20	5	ND	ND	ND	ND	ND	270	400	--	--
	12/01/00	6.11	0	7.97	14.08	20	5	ND	ND	ND	ND	ND	6330	3640	--	--
	03/17/01	6.02	0	8.06	14.08	20	5	2950	989	1040	3000	18700	10200	11500	ND	--
	05/23/01	5.82	0	8.26	14.08	20	5	ND	ND	ND	ND	ND	4660	--	--	--
	09/24/01	6.59	0	7.49	14.08	20	5	<0.50	<0.50	<0.50	<0.50	<50	160	190	<2.0	--
	12/10/01	6.5	0	7.58	14.08	20	5	<0.50	<0.50	<0.50	<0.50	<50	3200	2400	<25	--

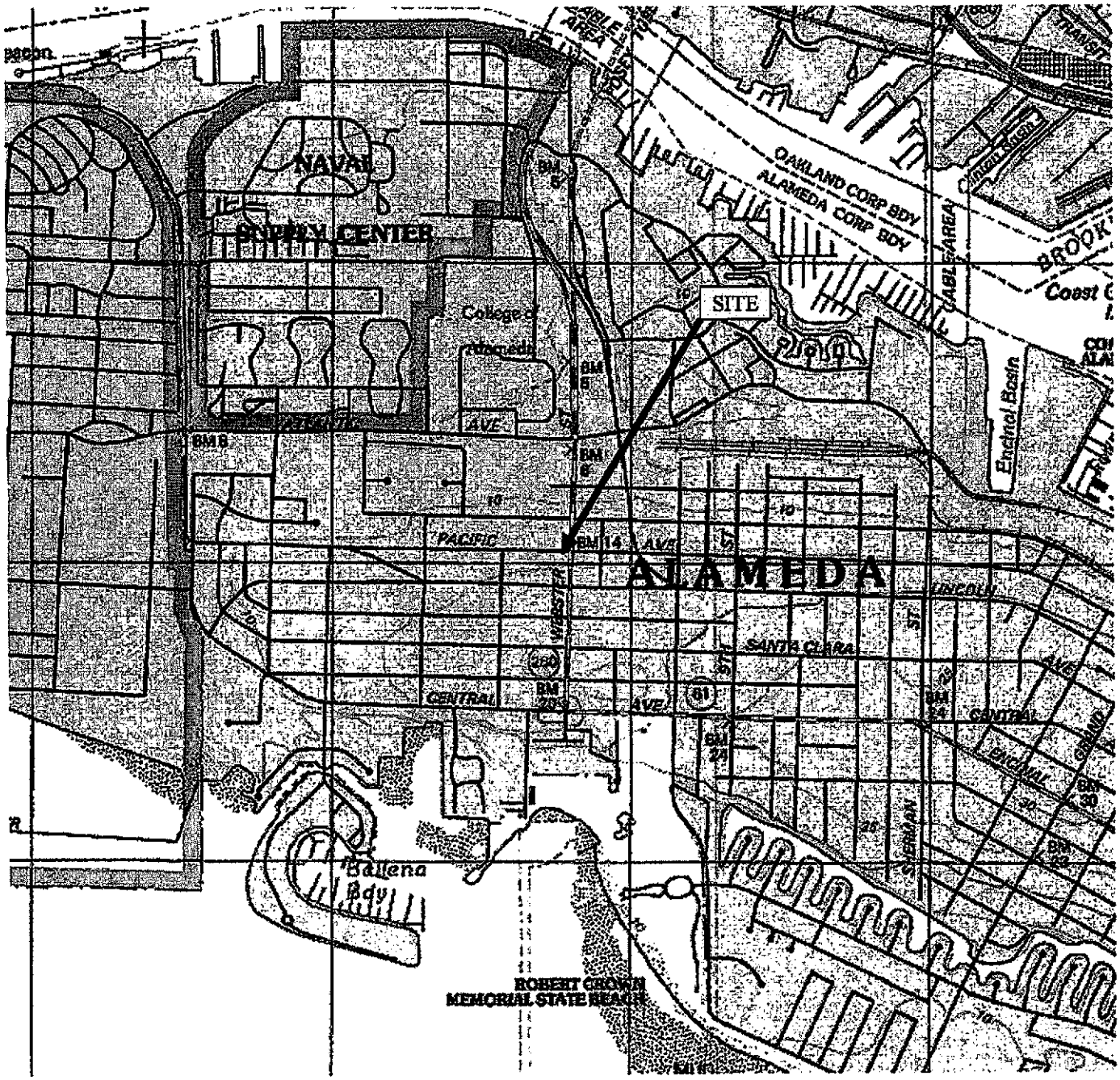
Table 1

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
Former 76 Station 0843
1629 Webster St., Alameda, CA

Well No.	Monitoring Date	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Surface Elevation (feet)	Depth of Well (feet)	Depth of Screen (feet)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	TPH-G (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	TAME 8260B (µg/l)	TPPH 8260B (µg/l)
	03/11/02	4.81	0	9.27	14.08	20	5	<0.50	<0.50	<0.50	<0.50	<50	92	120	<2.0	--
	06/07/02	--	--	--	14.08	20	5	--	--	--	--	--	--	--	--	--
	09/03/02	--	--	--	14.08	20	5	--	--	--	--	--	--	--	--	--
	12/12/02	6.51	0	7.57	14.08	20	5	<0.50	<0.50	<0.50	<0.50	590	1500	6200	<200	--
	03/13/03	5.2	0	8.88	14.08	20	5	<0.50	<0.50	<0.50	<0.50	1600	4900	5100	<100	--
	06/12/03	5.38	0	8.7	14.08	20	5	<10	<10	<10	<10	1600	5200	3700	<40	--
	09/12/03	6.29	0	7.79	14.08	20	5	<2.5	<2.5	<2.5	<5.0	--	--	310	--	<250
	12/31/03	5.38	0	8.7	14.08	20	5	<25	<25	<25	<25	3300	3800	--	--	--
	02/12/04	5.06	0	9.02	14.08	20	5	<10	<10	<10	<10	1100	1900	2800	<40	--
	06/07/04	5.45	0	8.63	14.08	20	5	<3	<3	<3	<6	2500	3200	2900	<10	--
	09/17/04	6.2	0	7.88	14.08	20	5	<10	<10	<10	<20	--	--	2000	<10	1300
	12/11/04	5.6	0	8.48	14.08	20	5	<10	<10	<10	<20	--	--	2700	<10	1800
	03/11/05	4.71	0	9.37	14.08	20	5	<10	<10	<10	<20	--	--	2500	<10	<1000
	05/17/05	4.98	0	9.1	14.08	20	5	<0.5	<0.50	<0.50	<1.0	--	--	2200	--	<1000

LEGEND

--	not analyzed, measured, or collected	PCE	tetrachloroethene
LPH	liquid-phase hydrocarbons	TBA	tertiary butyl alcohol
Trace	less than 0.01 foot of LPH in well	TCA	trichloroethane
µg/l	micrograms per liter	TCE	trichloroethene
mg/l	milligrams per liter	TPH-G	total petroleum hydrocarbons with gasolinedistinction
ND	not detected	TPH-D	total petroleum hydrocarbons with diesel distinction
<	not detected at or above laboratory detection limit	TPPH	total purgeable petroleum hydrocarbons
TOC	top of casing	TRPH	total recoverable petroleum hydrocarbons
BTEX	benzene, toluene, ethylbenzene, and (total) xylenes	TAME	tertiary amyl methyl ether
DIPE	di-isopropyl ether	1,1-DCA	1,1-dichloroethane
ETBE	ethyl tertiary butyl ether	1,2-DCA	1,1-dichloroethane (same as EC, ethylene dichloride)
MTBE	methyl tertiary butyl ether	1,1-DCE	1,1-dichloroethene
PCB	polychlorinated biphenyls	1,2-DCE	1,2-dichloroethene (cis- and trans-)



SOURCE: USGS OAKLAND EAST QUADRANGLE, CALIFORNIA (7.5 MINUTE SERIES) TOPOGRAPHIC MAP. OBTAINED FROM THE 2000 NATIONAL GEOGRAPHIC TOPO! SOFTWARE.

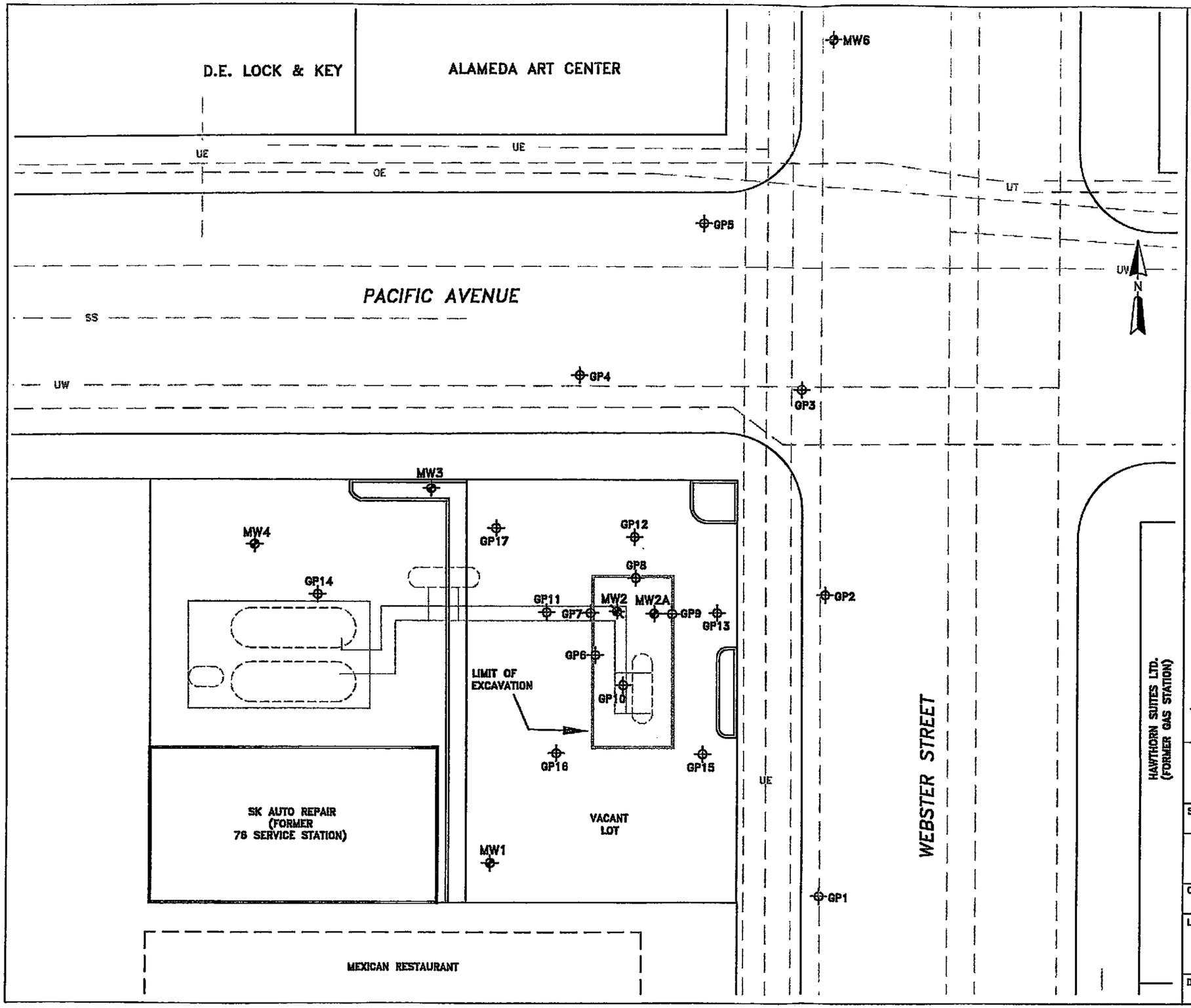
VATC ASSOCIATES INC.
6602 Owens Drive, Suite 100
Pleasanton, CA 94588
(925) 460-5300

PROJECT NO: 75.75118.2807		
DESIGNED BY: DE	SCALE:N/A	REVIEWED BY: DE
DRAWN BY: EC	DATE: 03/05	FILE: 0843 SITE VIC

FIGURE 1

SITE VICINITY MAP

76 STATION 82349 (0843)
1629 WEBSTER STREET
ALAMEDA, CALIFORNIA



LEGEND

- MW1 — GROUNDWATER MONITOR WELL
- MW2 — DESTROYED WELL
- GP1 — SOIL BORING
- MW — MONITOR WELL INSTALLED BY OTHERS
- FORMER DISPENSER ISLAND
- FORMER USED OIL UST
- FORMER GASOLINE UNDERGROUND STORAGE TANK (UST)
- FORMER PRODUCT LINES
- UE — UNDERGROUND ELECTRIC
- UT — UNDERGROUND TELEPHONE
- UG — UNDERGROUND GAS
- UC — UNDERGROUND TELECOMMUNICATION CABLE
- OE — OVERHEAD ELECTRIC
- UW — UNDERGROUND WATER
- SS — SANITARY SEWER
- SD — STORM DRAIN

Scale

20 0 20 feet

Offsite features are not to scale

BASE MAP REFERENCE:
MODIFIED FROM SITE PLAN SUPPLIED BY
MILLER BROOKS, ENVIRONMENTAL, INC.

VATC ASSOCIATES INC.
6602 Owens Drive, Suite 100
Pleasanton, CA 94588
(925) 460-5300

SCALE	DRAWING DATE	ACAD FILE
AS SHOWN	07/15/05	0843-site plan

SITE MAP

CLIENT		PM
CONOCOPHILLIPS		DAE
LOCATION		PE
76 STATION 0843 1629 WEBSTER STREET ALAMEDA, CALIFORNIA		DA
DESIGNED	DRAWN BY: EC	PROJECT NO. 75.75118.2807	FIGURE 2

TRC

Customer-Focused Solutions

June 28, 2005

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. THOMAS H. KOSEL

SITE: FORMER 76 STATION 0843
1629 WEBSTER STREET
ALAMEDA, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
APRIL THROUGH JUNE 2005

Dear Mr. Kosel:

Please find enclosed our Quarterly Monitoring Report for Former 76 Station 0843, located at 1629 Webster Street, Alameda, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

Anju Farfan
QMS Operations Manager

CC: Mr. Dave Evans, ATC Associates Inc. (3 copies)

Enclosures
20-0400/0843R07.QMS

21 Technology Drive • Irvine, California 92618
Telephone 949-727-9336 • Fax 949-727-7399

TRC

Customer-Focused Solutions

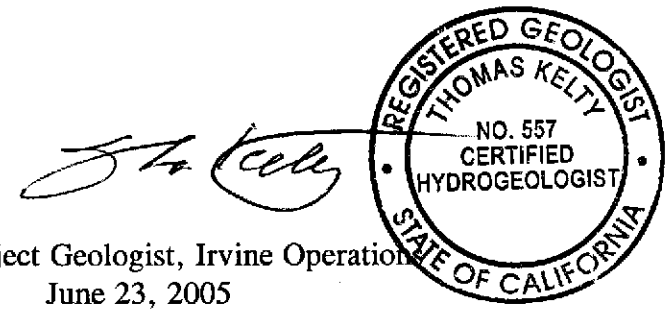
QUARTERLY MONITORING REPORT
APRIL THROUGH JUNE 2005

Former 76 Station 0843
1629 Webster Street
Alameda, California

Prepared For:

Mr. Thomas H. Kosel
ConocoPhillips Company
76 Broadway
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations
June 23, 2005

21 Technology Drive • Irvine, California 92618
Telephone 949-727-9336 • Fax 949-727-7399

LIST OF ATTACHMENTS	
Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Table 1: Current Fluid Levels and Selected Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 3: Additional Analytical Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPPH Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map
Graphs	Groundwater Elevations vs. Time Benzene Concentrations vs. Time
Field Activities	General Field Procedures Groundwater Sampling Field Notes
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
April 2005 through June 2005
Former 76 Station 0843
1629 Webster Street
Alameda, CA

Project Coordinator: **Thomas Kosel**
Telephone: **916-558-7666**
Water Sampling Contractor: ***TRC***
Compiled by: **Valentina Tobon**
Date(s) of Gauging/Sampling Event: **05/17/05**

Sample Points

Groundwater wells: **4** onsite, **2** offsite Wells gauged: **6** Wells sampled: **5**
Purging method: **Diaphragm pump/bailer**
Purge water disposal: **Onyx/Rodeo Unit 100**
Other Sample Points: **0** Type: **n/a**

Liquid Phase Hydrocarbons (LPH)

Wells with LPH: **0** Maximum thickness (feet): **n/a**
LPH removal frequency: **n/a** Method: **n/a**
Treatment or disposal of water/LPH: **n/a**

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **4.93 feet** Maximum: **5.83 feet**
Average groundwater elevation (relative to available local datum): **10.35 feet**
Average change in groundwater elevation since previous event: **-0.28 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.006 ft/ft, northeast**
Previous event: **0.007 ft/ft, northeast (03/11/05)**

Selected Laboratory Results

Wells with detected **Benzene:** **1** Wells above MCL (1.0 µg/l): **1**
Maximum reported benzene concentration: **2.1 µg/l (MW-2A)**

Wells with **TPPH 8260B** **1** Maximum: **54 µg/l (MW-2A)**
Wells with **MTBE** **2** Maximum: **2,200 µg/l (MW-6)**

Notes:

MW-1=Sampled annually,

This report presents the results of groundwater monitoring and sampling activities performed by TRC. Please contact the primary consultant for other specific information on this site.

TABLES

TABLE KEY

STANDARD ABREVIATIONS

--	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
Trace	=	less than 0.01 foot of LPH in well
µg/l	=	micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	=	milligrams per liter (approx. equivalent to parts per million, ppm)
ND<	=	not detected at or above laboratory detection limit
TOC	=	top of casing (surveyed reference elevation)

ANALYTES

BTEX	=	benzene, toluene, ethylbenzene, and (total) xylenes
DIPE	=	di-isopropyl ether
ETBE	=	ethyl tertiary butyl ether
MTBE	=	methyl tertiary butyl ether
PCB	=	polychlorinated biphenyls
PCE	=	tetrachloroethene
TBA	=	tertiary butyl alcohol
TCA	=	trichloroethane
TCE	=	trichloroethene
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TPPH	=	total purgeable petroleum hydrocarbons
TRPH	=	total recoverable petroleum hydrocarbons
TAME	=	tertiary amyl methyl ether
1,1-DCA	=	1,1-dichloroethane
1,2-DCA	=	1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	=	1,1-dichloroethene
1,2-DCE	=	1,2-dichloroethene (cis- and trans-)

NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: Surface Elevation – Measured Depth to Water + (Dp x LPH Thickness), where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to resurvey.

REFERENCE

TRC began groundwater monitoring and sampling for Former 76 Station 0843 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

May 17, 2005

Former 76 Station 0843

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1		**(Screen Interval in feet: 4.5-20.5)**												
05/17/05	16.18	5.83	0.00	10.35	-0.55	--	--	--	--	--	--	--	--	Sampled annually
MW-2A		**(Screen Interval in feet: 5-11.5)**												
05/17/05	15.56	5.55	0.00	10.01	-0.03	--	54	2.1	1.7	1.9	7.0	--	2.9	
MW-3		**(Screen Interval in feet: 5.0-20.0)**												
05/17/05	15.11	5.23	0.00	9.88	-0.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-4		**(Screen Interval in feet: 5.0-20.5)**												
05/17/05	15.17	4.93	0.00	10.24	-0.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-5		**(Screen Interval in feet: 5-20)**												
05/17/05	13.34	5.04	0.00	8.30	-0.08	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-6		**(Screen Interval in feet: 5-20)**												
05/17/05	14.08	4.98	0.00	9.10	-0.27	--	ND<1000	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2200	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 1999 Through May 2005

Former 76 Station 0843

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1	**(Screen Interval in feet: 4.5-20.5)**													
03/05/99	16.18	--	--	--	--	86.6	--	ND	2.04	ND	4.06	--	23.9	
06/03/99	16.18	6.24	0.00	9.94	--	ND	--	ND	ND	ND	ND	ND	ND	
09/02/99	16.18	7.19	0.00	8.99	-0.95	ND	--	ND	ND	ND	ND	ND	ND	
12/14/99	16.18	8.07	0.00	8.11	-0.88	ND	--	ND	ND	ND	ND	ND	--	
03/14/00	16.18	5.47	0.00	10.71	2.60	ND	--	ND	ND	ND	ND	ND	--	
05/31/00	16.18	6.22	0.00	9.96	-0.75	ND	--	ND	ND	ND	ND	ND	--	
08/29/00	16.18	6.82	0.00	9.36	-0.60	ND	--	ND	ND	ND	ND	ND	--	
12/01/00	16.18	7.54	0.00	8.64	-0.72	ND	--	ND	ND	ND	ND	ND	--	
03/17/01	16.18	5.73	0.00	10.45	1.81	ND	--	ND	ND	ND	ND	ND	--	
05/23/01	16.18	6.43	0.00	9.75	-0.70	ND	--	ND	ND	ND	ND	ND	--	
09/24/01	16.18	7.12	0.00	9.06	-0.69	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
12/10/01	16.18	6.89	0.00	9.29	0.23	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
03/11/02	16.18	5.61	0.00	10.57	1.28	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
06/07/02	16.18	5.71	0.00	10.47	-0.10	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
09/03/02	16.18	--	--	--	--	--	--	--	--	--	--	--	--	Not monitored/sampled
12/12/02	16.18	7.80	0.00	8.38	--	--	--	--	--	--	--	--	--	No longer sampled
03/13/03	16.18	5.94	0.00	10.24	1.86	--	--	--	--	--	--	--	--	
06/12/03	16.18	6.10	0.00	10.08	-0.16	--	--	--	--	--	--	--	--	
09/12/03	16.18	6.65	0.00	9.53	-0.55	--	--	--	--	--	--	--	--	
12/31/03	16.18	5.74	0.00	10.44	0.91	--	--	--	--	--	--	--	--	Monitored Only
02/12/04	16.18	6.02	0.00	10.16	-0.28	--	--	--	--	--	--	--	--	Monitored Only
06/07/04	16.18	6.61	0.00	9.57	-0.59	--	--	--	--	--	--	--	--	Monitored Only
09/17/04	16.18	7.58	0.00	8.60	-0.97	--	--	--	--	--	--	--	--	Sampled Annually
12/11/04	16.18	6.49	0.00	9.69	1.09	--	--	--	--	--	--	--	--	Sampled Annually

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 1999 Through May 2005

Former 76 Station 0843

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1 continued														
03/15/05	16.18	5.28	0.00	10.90	1.21	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	27	
05/17/05	16.18	5.83	0.00	10.35	-0.55	--	--	--	--	--	--	--	--	Sampled annually
MW-2	**(Screen Interval in feet: 4.5-20.5)**													
03/05/99	15.57	--	0.00	--	--	34400	--	2070	7710	2340	8240	--	8460	
06/03/99	15.57	5.96	0.00	9.61	--	51200	--	1820	7570	2510	7320	6460	8800	
09/02/99	15.57	6.85	0.00	8.72	-0.89	17000	--	1000	3100	1400	3700	4000	3720	
12/14/99	15.57	7.65	0.00	7.92	-0.80	83000	--	3000	22000	4500	17000	9100	11000	
03/14/00	15.57	5.26	0.00	10.31	2.39	31000	--	1600	4600	2300	7300	5700	8700	
05/31/00	15.57	5.60	0.00	9.97	-0.34	9970	--	598	1030	487	2060	2500	1670	
08/29/00	15.57	6.35	0.00	9.22	-0.75	7900	--	390	1500	280	1900	1800	1300	
12/01/00	15.57	7.06	0.00	8.51	-0.71	87500	--	1860	17400	5590	19400	6220	3790	
03/17/01	15.57	5.98	0.00	9.59	1.08	4310	--	371	59.0	280	682	321	433	
05/23/01	15.57	6.97	0.00	8.60	-0.99	45400	--	374	4490	2790	10900	ND	406	
09/24/01	15.57	7.56	0.00	8.01	-0.59	76000	--	430	13000	4700	18000	ND<2000	480	
12/10/01	15.57	6.52	0.00	9.05	1.04	82000	--	320	9100	4400	16000	ND<2500	270	
03/11/02	15.57	5.51	0.00	10.06	1.01	14000	--	75	1400	1100	3600	ND<250	150	
06/07/02	15.57	5.73	0.00	9.84	-0.22	14000	--	120	1200	1400	4700	540	200	
09/03/02	15.57	6.81	0.00	8.76	-1.08	10000	--	150	1200	610	2800	510	460	
12/12/02	15.57	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed, replaced with MW-2A
MW-2a	**(Screen Interval in feet: 5-11.5)**													
12/12/02	15.56	7.45	0.00	8.11	--	3400	--	80	260	210	1000	380	400	
03/13/03	--	5.85	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	1.8	2.4	2.4	
06/12/03	--	6.08	0.00	--	--	ND<50	--	0.59	0.69	ND<0.50	1.2	6.0	4.7	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 1999 Through May 2005

Former 76 Station 0843

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2A continued														
09/12/03	15.56	6.54	0.00	9.02	--	--	120	1.8	4.2	6.1	20	--	6.6	
12/31/03	15.56	5.63	0.00	9.93	0.91	88	--	0.79	1.8	3.6	14	ND<5.0	2.9	
02/12/04	15.56	5.68	0.00	9.88	-0.05	160	--	2.6	4.8	13	48	7.2	7.9	
06/07/04	15.56	6.21	0.00	9.35	-0.53	94	--	0.80	1.2	2.1	9.1	4.5	3.7	
09/17/04	15.56	7.16	0.00	8.40	-0.95	--	230	3.5	6.1	13	41	--	83	
12/11/04	15.56	5.84	0.00	9.72	1.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.2	
03/15/05	15.56	5.52	0.00	10.04	0.32	--	92	0.84	1.7	2.4	9.8	--	ND<10	
05/17/05	15.56	5.55	0.00	10.01	-0.03	--	54	2.1	1.7	1.9	7.0	--	2.9	
MW-3	**(Screen Interval in feet: 5.0-20.0)**													
03/05/99	15.11	--	0.00	--	--	135	--	ND	ND	ND	4.84	--	2.46	
06/03/99	15.11	5.57	0.00	9.54	--	ND	--	ND	ND	ND	ND	5.23	12.7	
09/02/99	15.11	6.50	0.00	8.61	-0.93	ND	--	ND	ND	ND	ND	13	11	
12/14/99	15.11	7.28	0.00	7.83	-0.78	ND	--	ND	ND	ND	ND	ND	--	
03/14/00	15.11	4.87	0.00	10.24	2.41	ND	--	ND	ND	ND	ND	7.2	6.3	
05/31/00	15.11	5.58	0.00	9.53	-0.71	ND	--	ND	ND	ND	ND	ND	--	
08/29/00	15.11	6.06	0.00	9.05	-0.48	ND	--	ND	ND	ND	ND	ND	ND	
12/01/00	15.11	6.76	0.00	8.35	-0.70	ND	--	ND	ND	ND	ND	ND	--	
03/17/01	15.11	5.09	0.00	10.02	1.67	ND	--	ND	ND	ND	ND	ND	--	
05/23/01	15.11	5.72	0.00	9.39	-0.63	ND	--	ND	ND	ND	ND	ND	--	
09/24/01	15.11	6.34	0.00	8.77	-0.62	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
12/10/01	15.11	6.31	0.00	8.80	0.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
03/11/02	15.11	5.15	0.00	9.96	1.16	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
06/07/02	15.11	5.45	0.00	9.66	-0.30	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
12/12/02	15.11	7.15	0.00	7.96	--	--	--	--	--	--	--	--	--	No longer sampled

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 1999 Through May 2005

Former 76 Station 0843

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-3 continued														
03/13/03	15.11	5.37	0.00	9.74	1.78	--	--	--	--	--	--	--	--	
06/12/03	15.11	5.51	0.00	9.60	-0.14	--	--	--	--	--	--	--	--	
09/12/03	15.11	6.03	0.00	9.08	-0.52	--	--	--	--	--	--	--	--	
12/31/03	15.11	5.62	0.00	9.49	0.41	--	--	--	--	--	--	--	--	Monitored Only
02/12/04	15.11	5.51	0.00	9.60	0.11	--	--	--	--	--	--	--	--	Monitored Only
06/07/04	15.11	5.92	0.00	9.19	-0.41	--	--	--	--	--	--	--	--	Monitored Only
09/17/04	15.11	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
12/11/04	15.11	5.94	0.00	9.17	--	--	--	--	--	--	--	--	--	Sampled Annually
03/11/05	15.11	4.76	0.00	10.35	1.18	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
05/17/05	15.11	5.23	0.00	9.88	-0.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-4	**(Screen Interval in feet: 5.0-20.5)**													
03/05/99	15.17	--	0.00	--	--	ND	--	ND	ND	ND	2.44	--	25.2	
06/03/99	15.17	5.45	0.00	9.72	--	ND	--	ND	ND	ND	ND	ND	3.96	
09/02/99	15.17	6.48	0.00	8.69	-1.03	ND	--	ND	ND	ND	ND	23	27	
12/14/99	15.17	7.27	0.00	7.90	-0.79	ND	--	ND	ND	ND	ND	200	270	
03/14/00	15.17	4.67	0.00	10.50	2.60	ND	--	ND	ND	ND	ND	46	49	
05/31/00	15.17	5.48	0.00	9.69	-0.81	ND	--	ND	ND	ND	ND	ND	--	
08/29/00	15.17	6.10	0.00	9.07	-0.62	ND	--	ND	ND	ND	ND	6.1	3.2	
12/01/00	15.17	6.79	0.00	8.38	-0.69	ND	--	ND	ND	ND	ND	152	101	
03/17/01	15.17	5.01	0.00	10.16	1.78	ND	--	ND	ND	ND	ND	ND	--	
05/23/01	15.17	5.78	0.00	9.39	-0.77	ND	--	ND	ND	ND	ND	ND	--	
09/24/01	15.17	6.42	0.00	8.75	-0.64	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
12/10/01	15.17	6.41	0.00	8.76	0.01	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1700	1300	
03/11/02	15.17	5.05	0.00	10.12	1.36	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 1999 Through May 2005

Former 76 Station 0843

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-4 continued														
06/07/02	15.17	5.42	0.00	9.75	-0.37	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
09/03/02	15.17	6.50	0.00	8.67	-1.08	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
12/12/02	15.17	7.18	0.00	7.99	-0.68	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.9	3.3	
03/13/03	15.17	5.42	0.00	9.75	1.76	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
06/12/03	15.17	5.60	0.00	9.57	-0.18	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
09/12/03	15.17	6.07	0.00	9.10	-0.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
12/31/03	15.17	5.63	0.00	9.54	0.44	750	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	790	--	
02/12/04	15.17	5.26	0.00	9.91	0.37	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
06/07/04	15.17	5.82	0.00	9.35	-0.56	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	--	
09/17/04	15.17	6.86	0.00	8.31	-1.04	--	56	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	10	
12/11/04	15.17	6.01	0.00	9.16	0.85	--	350	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	380	
03/11/05	15.17	4.61	0.00	10.56	1.40	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
05/17/05	15.17	4.93	0.00	10.24	-0.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-5	**(Screen Interval in feet: 5-20)**													
12/14/99	13.34	6.45	0.00	6.89	--	ND	--	ND	ND	ND	ND	3.5	3.8	
03/14/00	13.34	4.46	0.00	8.88	1.99	ND	--	ND	ND	ND	ND	ND	--	
05/31/00	13.34	5.18	0.00	8.16	-0.72	ND	--	ND	ND	ND	ND	ND	--	
08/29/00	13.34	5.46	0.00	7.88	-0.28	ND	--	ND	ND	ND	ND	ND	--	
12/01/00	13.34	5.95	0.00	7.39	-0.49	ND	--	ND	ND	ND	ND	ND	--	
03/17/01	13.34	5.36	0.00	7.98	0.59	ND	--	ND	ND	ND	ND	ND	--	
05/23/01	13.34	5.09	0.00	8.25	0.27	ND	--	ND	ND	ND	ND	ND	--	
09/24/01	13.34	5.58	0.00	7.76	-0.49	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
12/10/01	13.34	5.51	0.00	7.83	0.07	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
03/11/02	13.34	4.70	0.00	8.64	0.81	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 1999 Through May 2005

Former 76 Station 0843

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-5 continued														
06/07/02	13.34	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible - paved over
09/03/02	13.34	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible - paved over
12/12/02	13.34	6.42	0.00	6.92	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
03/13/03	13.34	5.12	0.00	8.22	1.30	ND<50	--	ND<0.50	0.54	ND<0.50	ND<0.50	ND<2.0	--	
06/12/03	13.34	5.24	0.00	8.10	-0.12	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
09/12/03	13.34	5.53	0.00	7.81	-0.29	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
12/31/03	13.34	5.11	0.00	8.23	0.42	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
02/12/04	13.34	5.02	0.00	8.32	0.09	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
06/07/04	13.34	5.35	0.00	7.99	-0.33	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	--	
09/17/04	13.34	6.10	0.00	7.24	-0.75	--	--	--	--	--	--	--	--	Sampled Annually
12/11/04	13.34	5.53	0.00	7.81	0.57	--	--	--	--	--	--	--	--	Sampled Annually
03/11/05	13.34	4.96	0.00	8.38	0.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
05/17/05	13.34	5.04	0.00	8.30	-0.08	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-6	**(Screen Interval in feet: 5-20)**													
12/14/99	14.08	6.64	0.00	7.44	--	ND	--	ND	ND	ND	ND	11000	18000	
03/14/00	14.08	4.72	0.00	9.36	1.92	ND	--	ND	ND	ND	ND	19000	21000	
05/31/00	14.08	5.28	0.00	8.80	-0.56	ND	--	ND	ND	ND	ND	13200	--	
08/29/00	14.08	5.39	0.00	8.69	-0.11	ND	--	ND	ND	ND	ND	270	400	
12/01/00	14.08	6.11	0.00	7.97	-0.72	ND	--	ND	ND	ND	ND	6330	3640	
03/17/01	14.08	6.02	0.00	8.06	0.09	18700	--	2950	989	1040	3000	10200	11500	
05/23/01	14.08	5.82	0.00	8.26	0.20	ND	--	ND	ND	ND	ND	4660	--	
09/24/01	14.08	6.59	0.00	7.49	-0.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	160	190	
12/10/01	14.08	6.50	0.00	7.58	0.09	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3200	2400	
03/11/02	14.08	4.81	0.00	9.27	1.69	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	92	120	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 1999 Through May 2005

Former 76 Station 0843

	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
	MW-6 continued														
	06/07/02	14.08	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible - paved over
	09/03/02	14.08	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible - paved over
	12/12/02	14.08	6.51	0.00	7.57	--	590	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1500	6200	
	03/13/03	14.08	5.20	0.00	8.88	0.00	1600	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	4900	4100	
D	03/13/03	14.08	5.20	0.00	8.88	1.31	--	--	--	--	--	--	--	5100	
	06/12/03	14.08	5.38	0.00	8.70	-0.18	1600	--	ND<10	ND<10	ND<10	ND<10	5200	3700	
	09/12/03	14.08	6.29	0.00	7.79	-0.91	--	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	310	
	12/31/03	14.08	5.38	0.00	8.70	0.91	3300	--	ND<25	ND<25	ND<25	ND<25	3800	--	
	02/12/04	14.08	5.06	0.00	9.02	0.32	1100	--	ND<10	ND<10	ND<10	ND<10	1900	2800	
	06/07/04	14.08	5.45	0.00	8.63	-0.39	2500	--	ND<3	ND<3	ND<3	ND<6	3200	2900	
	09/17/04	14.08	6.20	0.00	7.88	-0.75	--	1300	ND<10	ND<10	ND<10	ND<20	--	2000	
	12/11/04	14.08	5.60	0.00	8.48	0.60	--	1800	ND<10	ND<10	ND<10	ND<20	--	2700	
	03/11/05	14.08	4.71	0.00	9.37	0.89	--	ND<1000	ND<10	ND<10	ND<10	ND<20	--	2500	
	05/17/05	14.08	4.98	0.00	9.10	-0.27	--	ND<1000	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2200	

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former 76 Station 0843

Date Sampled	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-1							
09/02/99	--	--	ND	ND	ND	ND	ND
03/15/05	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
MW-2							
09/02/99	--	--	ND	ND	ND	ND	ND
12/14/99	ND	ND	ND	ND	ND	ND	ND
03/14/00	ND	ND	ND	1300	ND	ND	ND
05/31/00	ND	ND	ND	ND	ND	ND	ND
08/29/00	ND	ND	ND	250	ND	ND	ND
12/01/00	ND	ND	ND	ND	ND	ND	ND
03/17/01	ND	ND	ND	ND	14.8	ND	ND
05/23/01	ND	ND	ND	ND	ND	ND	ND
09/24/01	ND<100	ND<100	ND<100	ND<5000	ND<100	ND<100	ND<50000000
12/10/01	ND<25	ND<25	ND<25	ND<500	ND<25	ND<25	ND<12000000
03/11/02	ND<20	ND<20	ND<20	ND<1000	ND<20	ND<20	ND<5000000
06/07/02	ND<25	ND<25	ND<25	ND<1000	ND<25	ND<25	ND<2000000
09/03/02	ND<20	ND<20	ND<20	ND<1000	ND<20	ND<20	ND<5000000
MW-2a							
12/12/02	2.3	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500000
03/13/03	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500000
06/12/03	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500000
09/12/03	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500
12/31/03	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500
02/12/04	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500
06/07/04	ND<0.5	ND<0.5	ND<1	ND<12	ND<1	ND<1	ND<800
09/17/04	--	--	ND<0.50	6.7	ND<1.0	ND<0.50	ND<50
12/11/04	--	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50

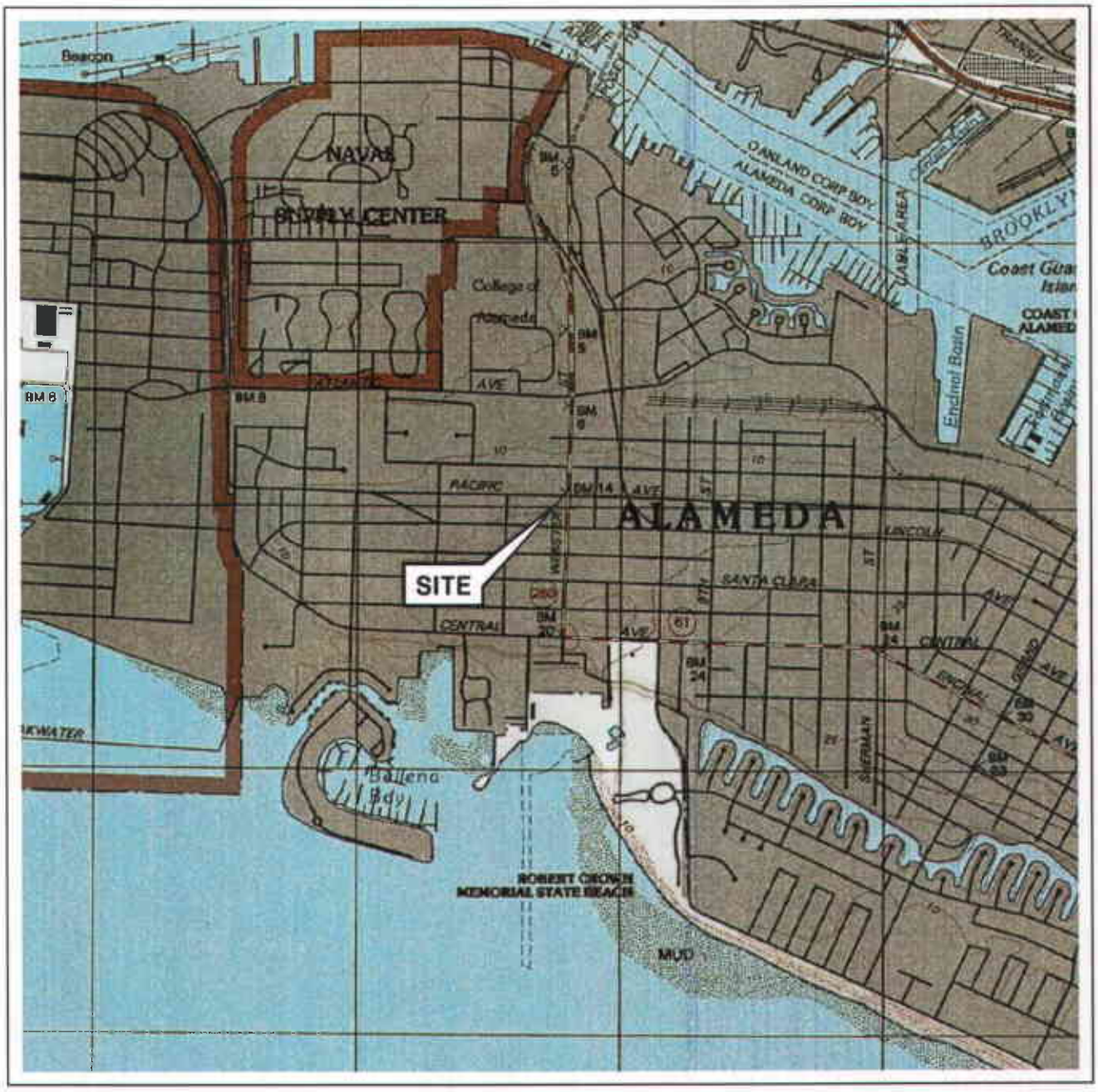
Table 3
ADDITIONAL ANALYTICAL RESULTS
Former 76 Station 0843

Date Sampled	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-2A continued							
03/15/05	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
05/17/05	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
MW-3							
09/02/99	--	--	ND	ND	ND	ND	ND
03/11/05	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
05/17/05	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
MW-4							
09/02/99	--	--	ND	ND	ND	ND	ND
12/10/01	ND<14	ND<14	ND<14	ND<290	ND<14	ND<14	ND<7100000
12/12/02	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500000
09/12/03	--	--	--	--	--	--	ND<500
09/17/04	--	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50
12/11/04	--	--	ND<2.5	ND<25	ND<5.0	ND<2.5	ND<250
03/11/05	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
05/17/05	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
MW-5							
09/12/03	--	--	--	--	--	--	ND<500
03/11/05	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
05/17/05	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
MW-6							
03/17/01	219	ND	ND	ND	ND	ND	ND
09/24/01	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1000000
12/10/01	ND<25	ND<25	ND<25	ND<500	ND<25	ND<25	ND<12000000
03/11/02	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500000
12/12/02	ND<200	ND<200	ND<200	ND<10000	ND<200	ND<200	ND<50000000

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former 76 Station 0843

Date Sampled	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-6 continued							
03/13/03	ND<100	ND<100	ND<100	ND<5000	ND<100	ND<100	ND<25000000
06/12/03	ND<40	ND<40	ND<40	ND<2000	ND<40	ND<40	ND<10000000
09/12/03	--	--	--	--	--	--	ND<2500
02/12/04	ND<40	ND<40	ND<40	ND<2000	ND<40	ND<40	ND<10000
06/07/04	ND<5	ND<5	ND<10	ND<200	ND<10	ND<10	ND<8000
09/17/04	--	--	ND<10	ND<100	ND<20	ND<10	ND<1000
12/11/04	--	--	ND<10	ND<100	ND<20	ND<10	ND<1000
03/11/05	--	--	ND<10	ND<100	ND<10	ND<10	ND<1000
05/17/05	--	--	ND<10	ND<100	ND<10	ND<10	ND<1000

FIGURES



0 1/4 1/2 3/4 1 MILE

SCALE 1:24,000

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SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Oakland West Quadrangle

VICINITY MAP

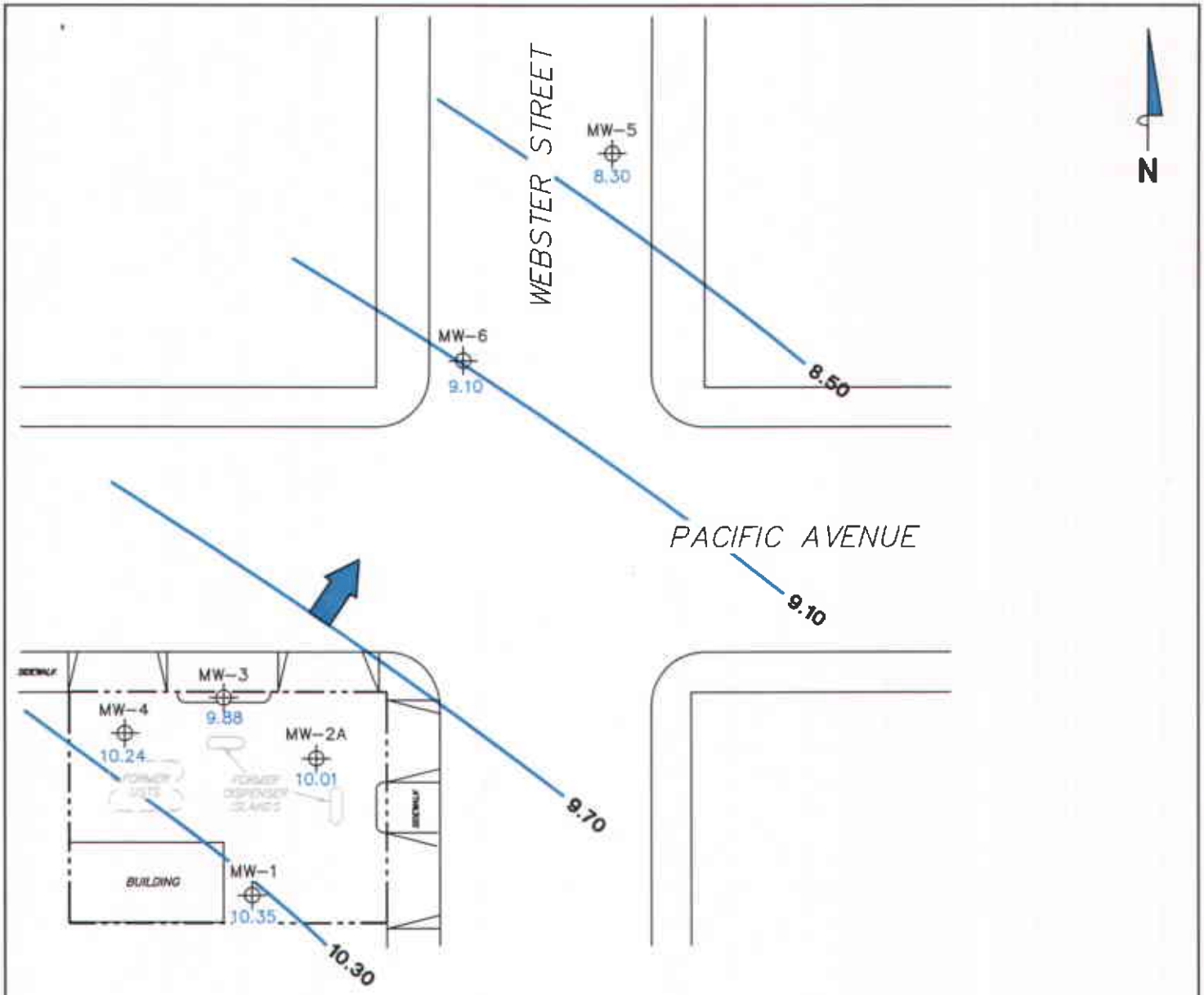
Former 76 Station 0843
1629 Webster Street
Alameda, California

TRC

PS = 1:1

FIGURE 1

Graphics on Irf(2)\VICINITY MAPS\0843vm.dwg 11/20/03



NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. UST = underground storage tank.

LEGEND

MW-6 ⊕ Monitoring Well with Groundwater Elevation (feet)

10.30 — Groundwater Elevation Contour

General Direction of Groundwater Flow

GROUNDWATER ELEVATION CONTOUR MAP
May 17, 2005

Former 76 Station 0843
1629 Webster Street
Alameda, California

FIGURE 2

TRC

SCALE (FEET)
0 60

PS=1:1 0843-003

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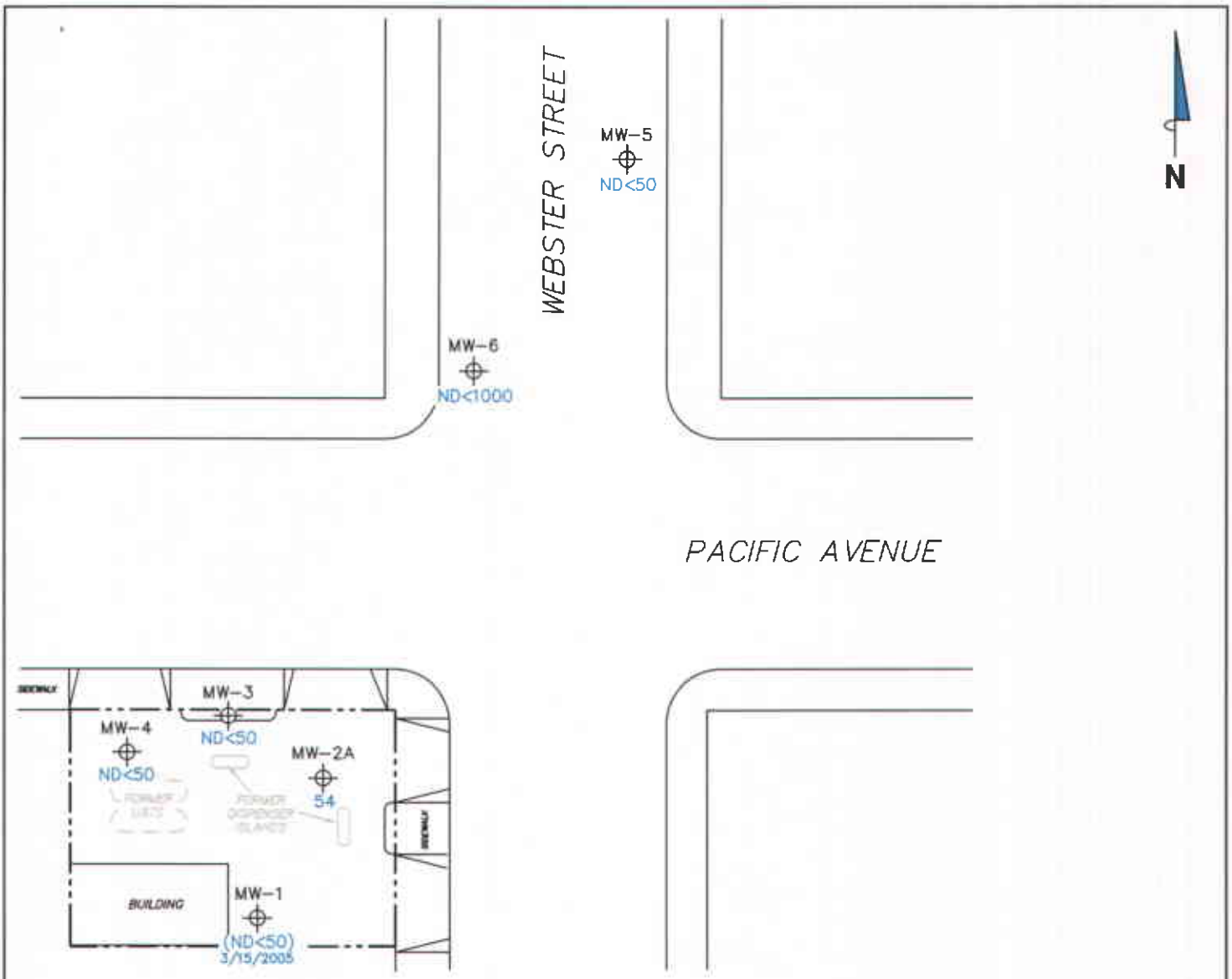

NOTES:

TPPH = total purgeable petroleum hydrocarbons.
µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
UST = underground storage tank.
( ) = representative of historical value.
Results obtained using EPA Method 8260B.

LEGEND

MW-6 ⊕ Monitoring Well with Dissolved-Phase TPPH Concentration (µg/l)

DISSOLVED-PHASE TPPH CONCENTRATIONS MAP
May 17, 2005

Former 76 Station 0843
1629 Webster Street
Alameda, California

TRC

SCALE (FEET)
0 60

FIGURE 3

PS=1:1 0843-003

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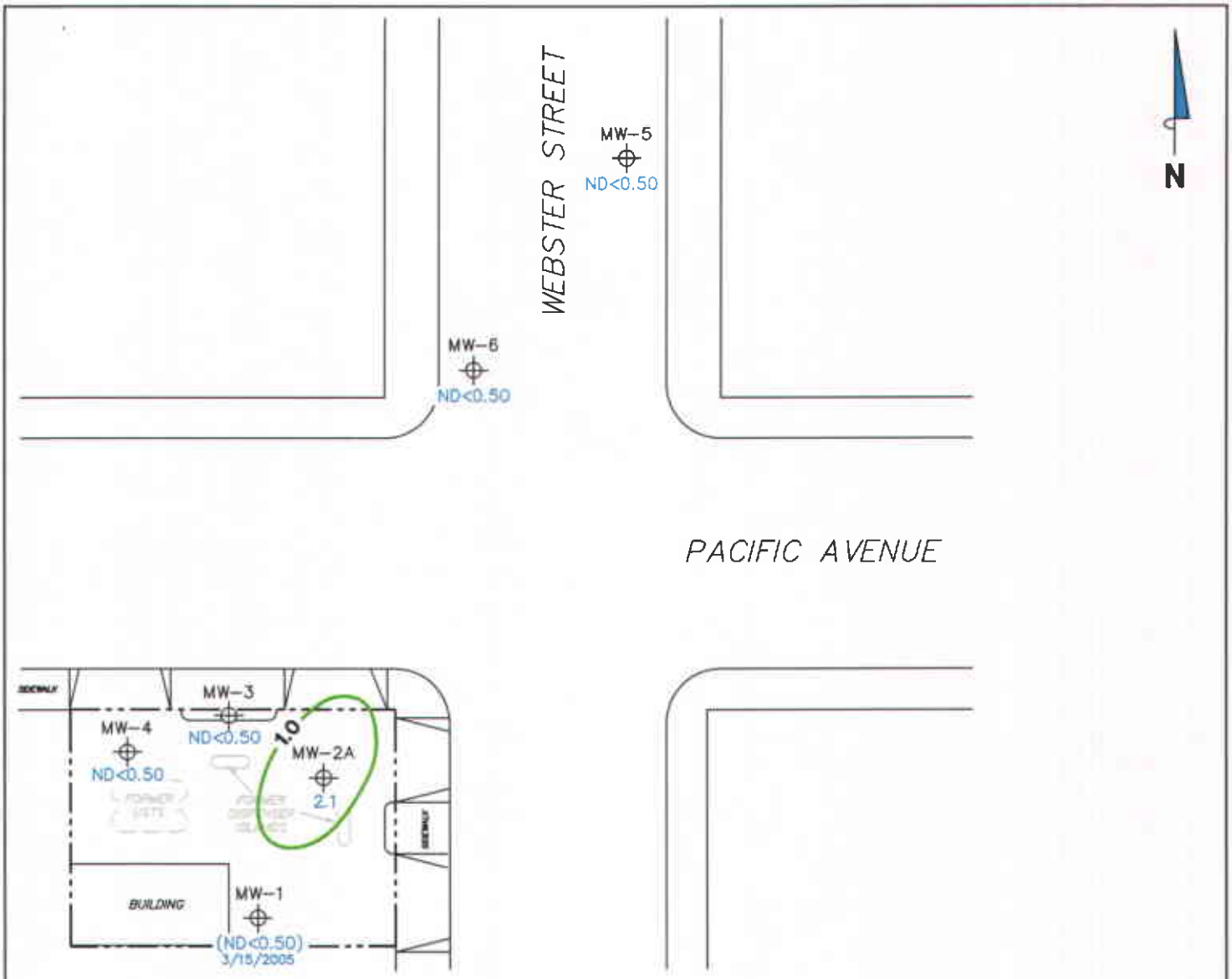

NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. ( ) = representative of historical value.

LEGEND

MW-6 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentrations (µg/l)

1.0 Dissolved-Phase Benzene Contour (µg/l)

DISSOLVED-PHASE BENZENE CONCENTRATIONS MAP
May 17, 2005

Former 76 Station 0843
1629 Webster Street
Alameda, California

TRC

SCALE (FEET)
0 60

FIGURE 4

PS=1:1 0843-003

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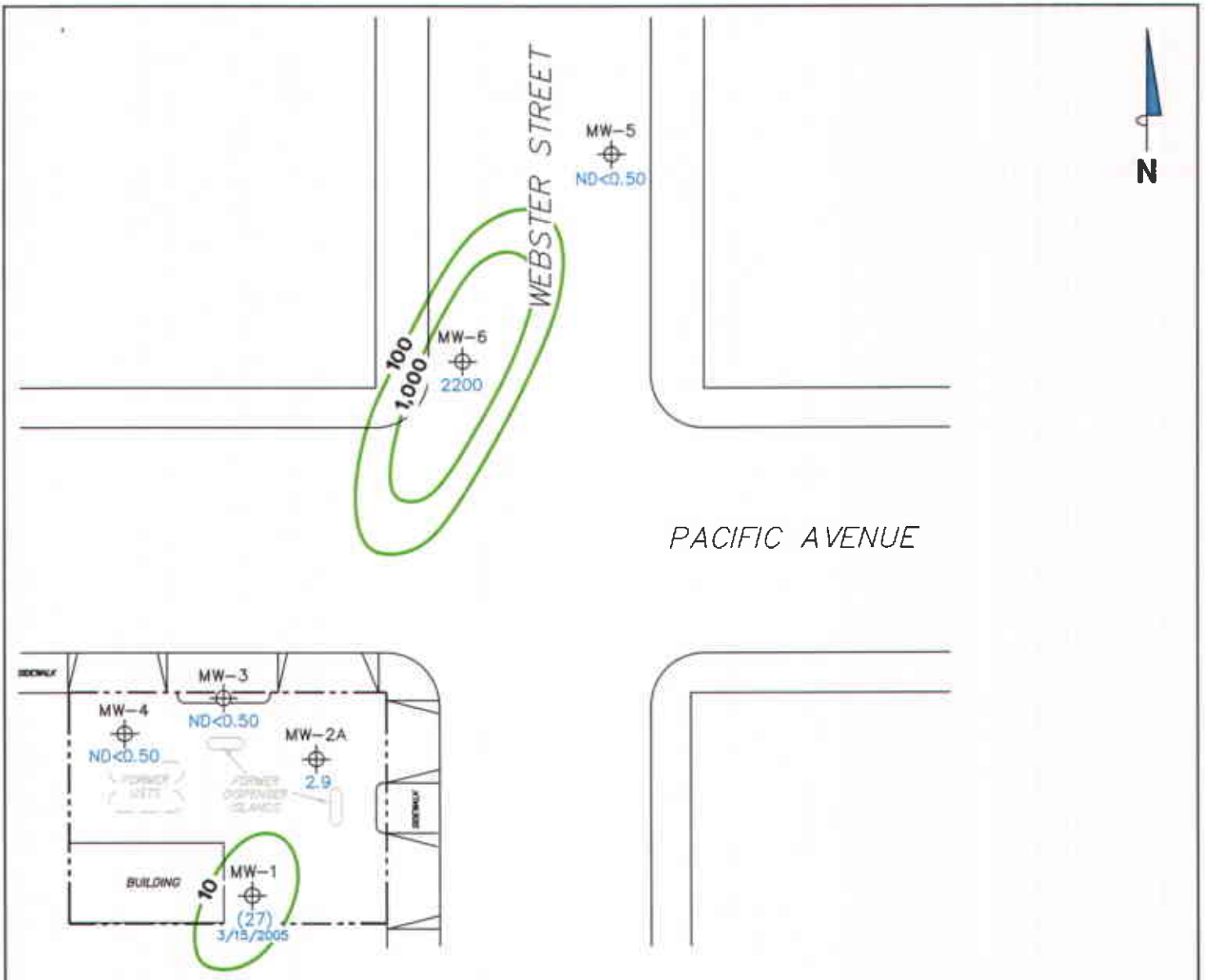

NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. ( ) = representative of historical value. MTBE results obtained using EPA Method 8260B.

LEGEND

MW-6 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

1,000 Dissolved-Phase MTBE Contour (µg/l)

DISSOLVED-PHASE MTBE CONCENTRATIONS MAP
May 17, 2005

Former 76 Station 0843
1629 Webster Street
Alameda, California

TRC

SCALE (FEET)
0 60

FIGURE 5

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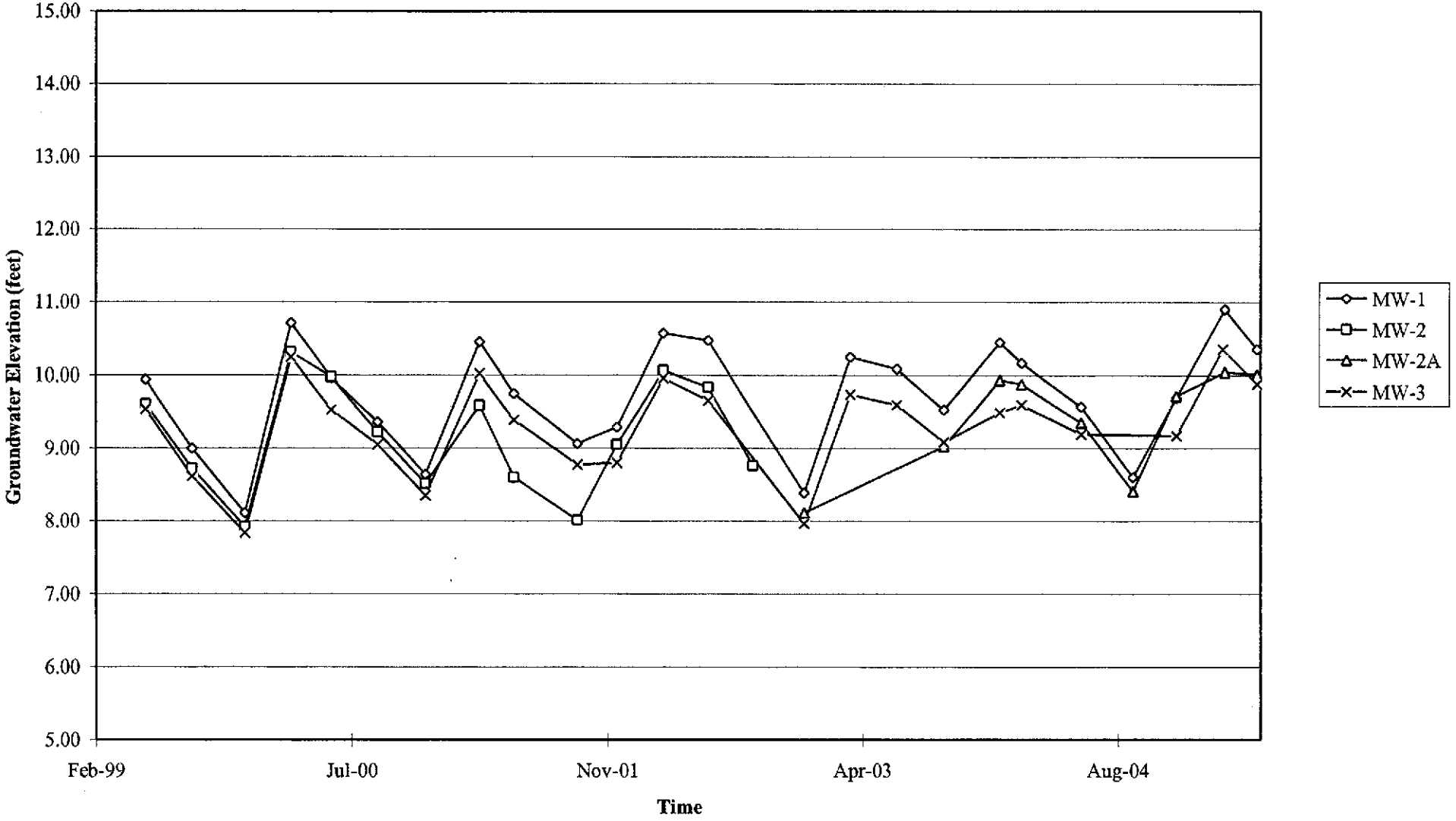
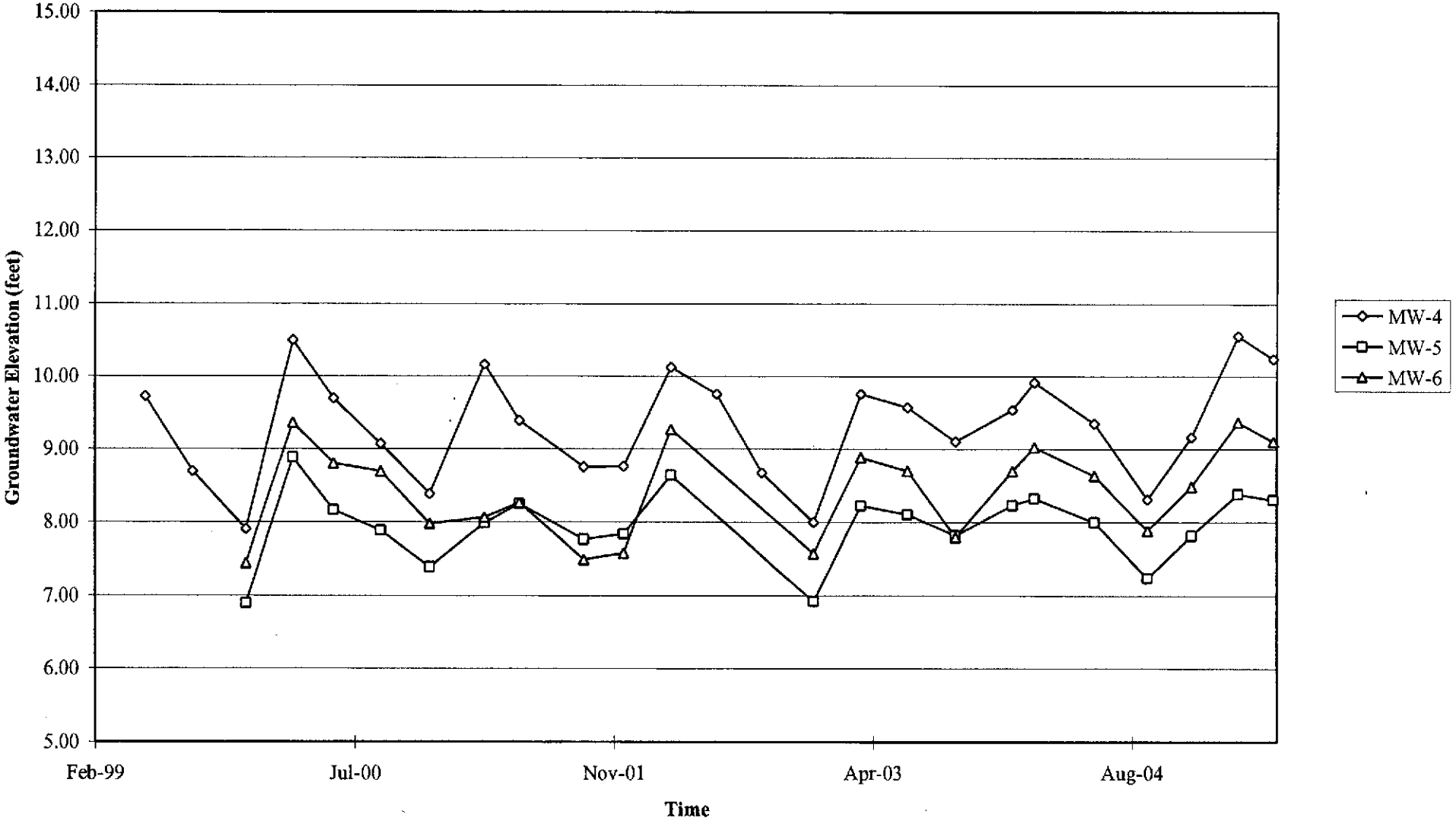
GRAPHS

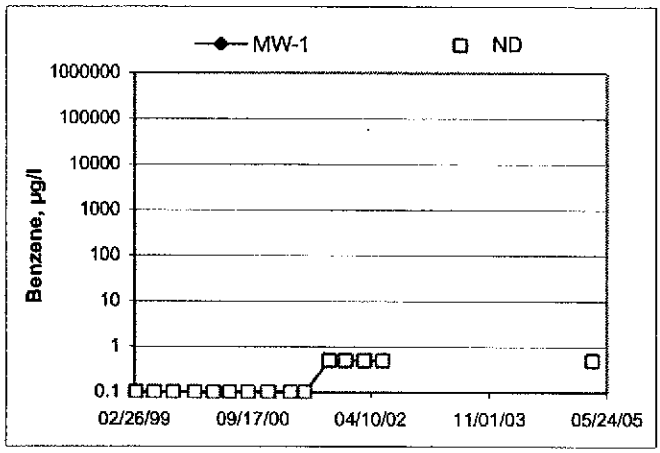
Groundwater Elevations vs. Time
Former 76 Station 0843

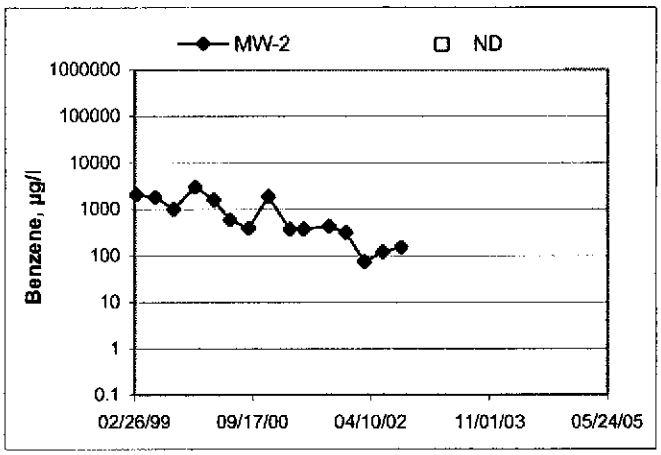


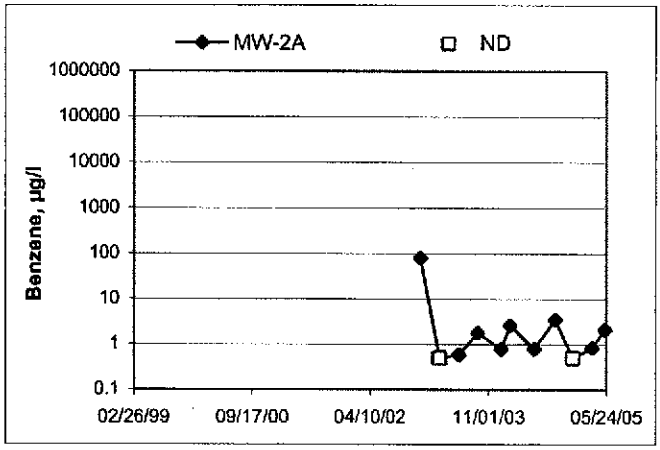
Groundwater Elevations vs. Time
Former 76 Station 0843

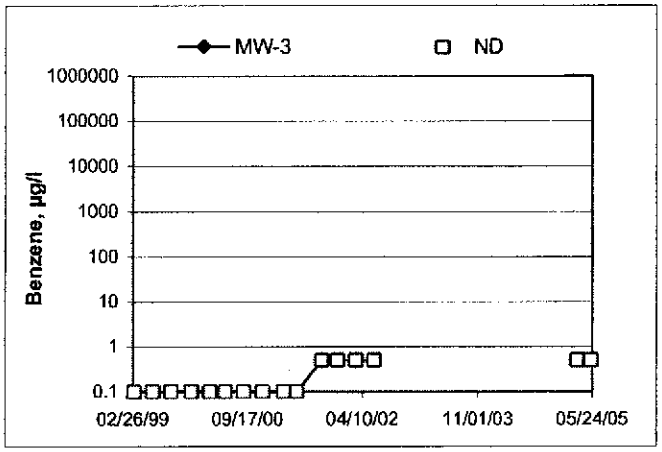


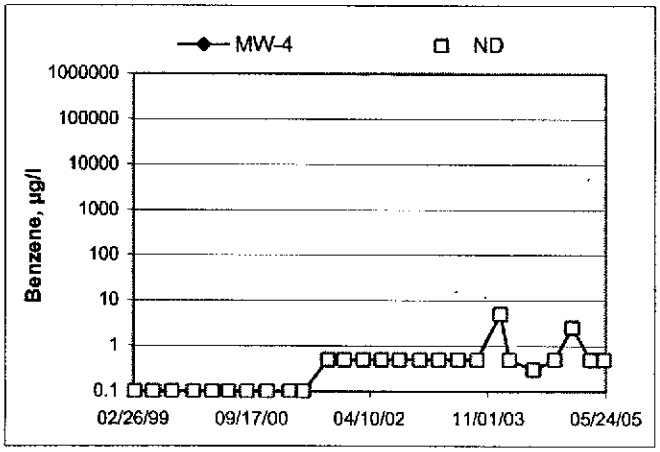
Benzene Concentrations vs Time
Former 76 Station 0843

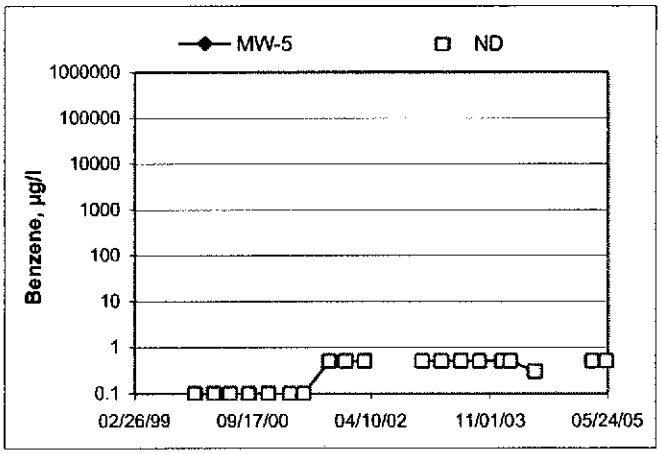


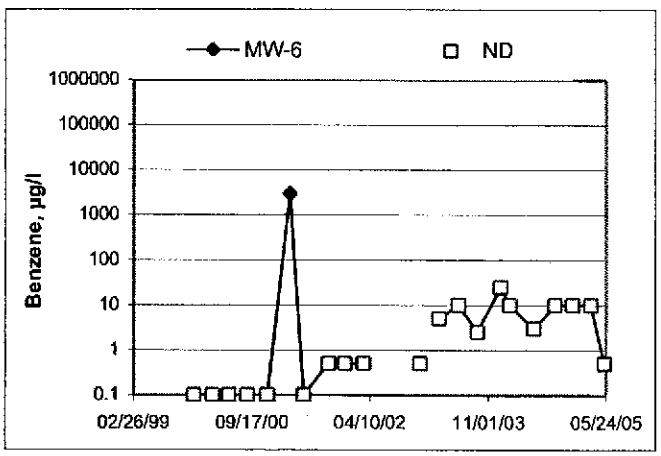












GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

Fluid Level Measurements

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage, or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurement are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

Groundwater Sample Collection

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable, ½-inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, and the samplers initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

Sequence of Gauging, Purging, and Sampling

The sequence in which monitoring activities are conducted are specified on the TSR. In general, wells are gauged beginning with the least-affected well and ending with the well that has highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected well to the most-affected well.

Decontamination

In order to reduce the possibility of cross-contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated to a particular well, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

Exceptions

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

FIELD MONITORING DATA SHEET

Technician: Rick R. Job #/Task #: 41050001/FA20 Date: 05/17/05

Site # 0843 Project Manager A. Collins Page 1 of 1

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-4	✓	0843	19.21	4.93	—	—	1005	2"(3)
MW-3	✓	0846	19.80	5.23	—	—	1019	2"(3) NO Bolts
MW-1	✓	0853	19.78	5.83	—	—	N/S	2"(3)
MW-2A	✓	0938	10.46	5.55	—	—	1040	2"(3)
MW-5	✓	0904	19.93	5.04	—	—	1058	2"(3)
MW-6	✓	0910	19.86	4.98	—	—	1113	2"(3)

FIELD DATA COMPLETE	QA/QC	COC	WELL BOX CONDITION SHEETS
✓	✓	✓	✓
WTT CERTIFICATE	MANIFEST	DRUM INVENTORY	TRAFFIC CONTROL
		✓	

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Rick Rodriguez

Site: 0843 Project No.: 41080001 Date: 05/17/05

Well No.: MW-4
Depth to Water (feet): 4.93
Total Depth (feet): 19.21
Water Column (feet): 14.28
80% Recharge Depth (feet): 7.79

Purge Method: DIA
Depth to Product (feet): 0
LPH & Water Recovered (gallons): 0
Casing Diameter (inches): 2"
1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F (C))	pH	Turbidity	D.O.
1001			2	1329	19.7	7.05		
			4	1347	20.1	7.09		
	1002		6	1347	20.6	7.16		

Static at Time Sampled	Total Gallons Purged	Time Sampled
7.77	6	1005

Comments:

Well No.: MW-3
Depth to Water (feet): 5.23
Total Depth (feet): 19.80
Water Column (feet): 14.57
80% Recharge Depth (feet): 8.14

Purge Method: DIA
Depth to Product (feet): 0
LPH & Water Recovered (gallons): 0
Casing Diameter (inches): 2"
1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F (C))	pH	Turbidity	D.O.
1014			2	617	19.7	6.88		
			4	540	19.7	6.86		
	1016		6	540	19.9	6.84		

Static at Time Sampled	Total Gallons Purged	Time Sampled
8.10	6	1019

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Rick R.

Site: 0843 Project No.: 41050001 Date: 05/17/05

Well No.: MW-2A Purge Method: ~~SR~~ HB

Depth to Water (feet): 5.55 Depth to Product (feet): 0

Total Depth (feet): 10.46 LPH & Water Recovered (gallons): 0

Water Column (feet): 4.91 Casing Diameter (inches): 2"

80% Recharge Depth (feet): 6.53 1 Well Volume (gallons): 1

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
1033			1	1199	20.1	11.22		
			2	13.58	20.1	11.29		
	1038		3	1442	20.0	11.32		

Static at Time Sampled	Total Gallons Purged	Time Sampled
6.27	3	1040

Comments:

Well No.: _____ Purge Method: _____

Depth to Water (feet): _____ Depth to Product (feet): _____

Total Depth (feet): _____ LPH & Water Recovered (gallons): _____

Water Column (feet): _____ Casing Diameter (inches): _____

80% Recharge Depth (feet): _____ 1 Well Volume (gallons): _____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.

Static at Time Sampled	Total Gallons Purged	Time Sampled

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Dick R.

Site: 0843 Project No.: 411050001 Date: 05/17/05

Well No.: MW-5
Depth to Water (feet): 5.04
Total Depth (feet): 19.93
Water Column (feet): 14.89
80% Recharge Depth (feet): 8.02

Purge Method: DIA
Depth to Product (feet): 0
LPH & Water Recovered (gallons) 0
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F (C))	pH	Turbidity	D.O.
1052			2	514	19.5	7.01		
			4	486	19.1	6.91		
	1055		6	500	19.3	6.72		

Static at Time Sampled	Total Gallons Purged	Time Sampled
8.00	6	1058

Comments:

Well No.: MW-6
Depth to Water (feet): 4.98
Total Depth (feet): 19.86
Water Column (feet): 14.88
80% Recharge Depth (feet): 7.96

Purge Method: DIA
Depth to Product (feet): 0
LPH & Water Recovered (gallons): 0
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F (C))	pH	Turbidity	D.O.
1108			2	549	19.3	6.53		
			4	550	19.0	6.54		
	1110		6	560	19.1	6.51		

Static at Time Sampled	Total Gallons Purged	Time Sampled
7.90	6	1113

Comments:

SEVERN TRENT STL

Submission#: 2005-05-0551

TRC Alton Geoscience- Irvine

May 31, 2005

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001/FA20
Project: Conoco Phillips #0843
Site: 1629 Webster St., Alameda

Attached is our report for your samples received on 05/18/2005 16:30
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 07/02/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

Submission: 2005-05-0551

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #0843

Received: 05/18/2005 16:30

Site: 1629 Webster St., Alameda

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-4	05/17/2005 10:05	Water	1
MW-3	05/17/2005 10:19	Water	2
MW-2A	05/17/2005 10:40	Water	3
MW-5	05/17/2005 10:58	Water	4
MW-6	05/17/2005 11:13	Water	5

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20
Conoco Phillips #0843

Received: 05/18/2005 16:30

Site: 1629 Webster St., Alameda

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-4**	Lab ID:	2005-05-0551 - 1
Sampled:	05/17/2005 10:05	Extracted:	5/25/2005 22:36
Matrix:	Water	QC Batch#:	2005/05/25-1D.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	05/25/2005 22:36	
Benzene	ND	0.50	ug/L	1.00	05/25/2005 22:36	
Toluene	ND	0.50	ug/L	1.00	05/25/2005 22:36	
Ethylbenzene	ND	0.50	ug/L	1.00	05/25/2005 22:36	
Total xylenes	ND	1.0	ug/L	1.00	05/25/2005 22:36	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/25/2005 22:36	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/25/2005 22:36	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	05/25/2005 22:36	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/25/2005 22:36	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/25/2005 22:36	
Ethanol	ND	50	ug/L	1.00	05/25/2005 22:36	
Surrogate(s)						
1,2-Dichloroethane-d4	96.0	73-130	%	1.00	05/25/2005 22:36	
Toluene-d8	97.8	81-114	%	1.00	05/25/2005 22:36	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20
Conoco Phillips #0843

Received: 05/18/2005 16:30

Site: 1629 Webster St., Alameda

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-3**	Lab ID:	2005-05-0551 - 2
Sampled:	05/17/2005 10:19	Extracted:	5/25/2005 23:00
Matrix:	Water	QC Batch#:	2005/05/25-1D.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	05/25/2005 23:00	
Benzene	ND	0.50	ug/L	1.00	05/25/2005 23:00	
Toluene	ND	0.50	ug/L	1.00	05/25/2005 23:00	
Ethylbenzene	ND	0.50	ug/L	1.00	05/25/2005 23:00	
Total xylenes	ND	1.0	ug/L	1.00	05/25/2005 23:00	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/25/2005 23:00	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/25/2005 23:00	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	05/25/2005 23:00	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/25/2005 23:00	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/25/2005 23:00	
Ethanol	ND	50	ug/L	1.00	05/25/2005 23:00	
Surrogate(s)						
1,2-Dichloroethane-d4	95.5	73-130	%	1.00	05/25/2005 23:00	
Toluene-d8	97.2	81-114	%	1.00	05/25/2005 23:00	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
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Project: 41050001/FA20
Conoco Phillips #0843

Received: 05/18/2005 16:30

Site: 1629 Webster St., Alameda

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-2A**	Lab ID:	2005-05-0551 - 3
Sampled:	05/17/2005 10:40	Extracted:	5/25/2005 23:24
Matrix:	Water	QC Batch#:	2005/05/25-1D.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	54	50	ug/L	1.00	05/25/2005 23:24	
Benzene	2.1	0.50	ug/L	1.00	05/25/2005 23:24	
Toluene	1.7	0.50	ug/L	1.00	05/25/2005 23:24	
Ethylbenzene	1.9	0.50	ug/L	1.00	05/25/2005 23:24	
Total xylenes	7.0	1.0	ug/L	1.00	05/25/2005 23:24	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/25/2005 23:24	
Methyl tert-butyl ether (MTBE)	2.9	0.50	ug/L	1.00	05/25/2005 23:24	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	05/25/2005 23:24	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/25/2005 23:24	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/25/2005 23:24	
Ethanol	ND	50	ug/L	1.00	05/25/2005 23:24	
Surrogate(s)						
1,2-Dichloroethane-d4	91.1	73-130	%	1.00	05/25/2005 23:24	
Toluene-d8	98.1	81-114	%	1.00	05/25/2005 23:24	

SEVERN TRENT STL

Submission: 2005-05-0551

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #0843

Received: 05/18/2005 16:30

Site: 1629 Webster St., Alameda

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-5**	Lab ID:	2005-05-0551 - 4
Sampled:	05/17/2005 10:58	Extracted:	5/25/2005 23:48
Matrix:	Water	QC Batch#:	2005/05/25-1D.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	05/25/2005 23:48	
Benzene	ND	0.50	ug/L	1.00	05/25/2005 23:48	
Toluene	ND	0.50	ug/L	1.00	05/25/2005 23:48	
Ethylbenzene	ND	0.50	ug/L	1.00	05/25/2005 23:48	
Total xylenes	ND	1.0	ug/L	1.00	05/25/2005 23:48	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/25/2005 23:48	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/25/2005 23:48	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	05/25/2005 23:48	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/25/2005 23:48	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/25/2005 23:48	
Ethanol	ND	50	ug/L	1.00	05/25/2005 23:48	
Surrogate(s)						
1,2-Dichloroethane-d4	96.1	73-130	%	1.00	05/25/2005 23:48	
Toluene-d8	99.0	81-114	%	1.00	05/25/2005 23:48	

SEVERN TRENT STL

Submission: 2005-05-0551

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #0843

Received: 05/18/2005 16:30

Site: 1629 Webster St., Alameda

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-6**	Lab ID:	2005-05-0551 - 5
Sampled:	05/17/2005 11:13	Extracted:	5/26/2005 00:12 5/28/2005 18:39
Matrix:	Water	QC Batch#:	2005/05/25-1D.64 2005/05/28-1A.62
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	1000	ug/L	20.00	05/26/2005 00:12	
Benzene	ND	0.50	ug/L	1.00	05/28/2005 18:39	
Toluene	ND	0.50	ug/L	1.00	05/28/2005 18:39	
Ethylbenzene	ND	0.50	ug/L	1.00	05/28/2005 18:39	
Total xylenes	ND	1.0	ug/L	1.00	05/28/2005 18:39	
tert-Butyl alcohol (TBA)	ND	100	ug/L	20.00	05/26/2005 00:12	
Methyl tert-butyl ether (MTBE)	2200	10	ug/L	20.00	05/26/2005 00:12	
Di-isopropyl Ether (DIPE)	ND	10	ug/L	20.00	05/26/2005 00:12	
Ethyl tert-butyl ether (ETBE)	ND	10	ug/L	20.00	05/26/2005 00:12	
tert-Amyl methyl ether (TAME)	ND	10	ug/L	20.00	05/26/2005 00:12	
Ethanol	ND	1000	ug/L	20.00	05/26/2005 00:12	
Surrogate(s)						
1,2-Dichloroethane-d4	111.0	73-130	%	1.00	05/28/2005 18:39	
1,2-Dichloroethane-d4	94.9	73-130	%	20.00	05/26/2005 00:12	
Toluene-d8	99.5	81-114	%	1.00	05/28/2005 18:39	
Toluene-d8	97.5	81-114	%	20.00	05/26/2005 00:12	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #0843

Received: 05/18/2005 16:30

Site: 1629 Webster St., Alameda

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/05/25-1D.64**

MB: 2005/05/25-1D.64-039 — Date Extracted: 05/25/2005 15:39

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	05/25/2005 15:39	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	05/25/2005 15:39	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	05/25/2005 15:39	
Di-isopropyl Ether (DIPE)	ND	0.5	ug/L	05/25/2005 15:39	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	05/25/2005 15:39	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	05/25/2005 15:39	
Benzene	ND	0.5	ug/L	05/25/2005 15:39	
Toluene	ND	0.5	ug/L	05/25/2005 15:39	
Ethylbenzene	ND	0.5	ug/L	05/25/2005 15:39	
Total xylenes	ND	1.0	ug/L	05/25/2005 15:39	
Ethanol	ND	50	ug/L	05/25/2005 15:39	
Surrogates(s)					
1,2-Dichloroethane-d4	91.2	73-130	%	05/25/2005 15:39	
Toluene-d8	95.2	81-114	%	05/25/2005 15:39	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #0843

Received: 05/18/2005 16:30

Site: 1629 Webster St., Alameda

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/05/28-1A.62**

MB: 2005/05/28-1A.62-026 — Date Extracted: 05/28/2005 09:26

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	05/28/2005 09:26	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	05/28/2005 09:26	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	05/28/2005 09:26	
Di-isopropyl Ether (DIPE)	ND	0.5	ug/L	05/28/2005 09:26	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	05/28/2005 09:26	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	05/28/2005 09:26	
Benzene	ND	0.5	ug/L	05/28/2005 09:26	
Toluene	ND	0.5	ug/L	05/28/2005 09:26	
Ethylbenzene	ND	0.5	ug/L	05/28/2005 09:26	
Total xylenes	ND	1.0	ug/L	05/28/2005 09:26	
Ethanol	ND	50	ug/L	05/28/2005 09:26	
Surrogates(s)					
1,2-Dichloroethane-d4	99.6	73-130	%	05/28/2005 09:26	
Toluene-d8	103.2	81-114	%	05/28/2005 09:26	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
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Project: 41050001/FA20
Conoco Phillips #0843

Received: 05/18/2005 16:30

Site: 1629 Webster St., Alameda

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/05/25-1D.64**

LCS 2005/05/25-1D.64-014 Extracted: 05/25/2005 Analyzed: 05/25/2005 15:14
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	27.6		25	110.4			65-165	20		
Benzene	26.3		25	105.2			69-129	20		
Toluene	29.0		25	116.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	460		500	92.0			73-130			
Toluene-d8	493		500	98.6			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #0843

Received: 05/18/2005 16:30

Site: 1629 Webster St., Alameda

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/05/28-1A.62**

LCS 2005/05/28-1A.62-000 Extracted: 05/28/2005 Analyzed: 05/28/2005 09:00
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	24.1		25	96.4			65-165	20		
Benzene	26.9		25	107.6			69-129	20		
Toluene	28.2		25	112.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	476		500	95.2			73-130			
Toluene-d8	495		500	99.0			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

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Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20
Conoco Phillips #0843

Received: 05/18/2005 16:30

Site: 1629 Webster St., Alameda

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/05/25-1D.64**

MS/MSD

Lab ID: 2005-05-0531 - 004

MS: 2005/05/25-1D.64-035 Extracted: 05/25/2005 Analyzed: 05/25/2005 16:35

Dilution: 1.00

MSD: 2005/05/25-1D.64-059 Extracted: 05/25/2005 Analyzed: 05/25/2005 16:59

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	26.8	26.2	ND	25	107.2	104.8	2.3	65-165	20		
Benzene	24.5	25.2	ND	25	98.0	100.8	2.8	69-129	20		
Toluene	26.9	26.1	ND	25	107.6	104.4	3.0	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	468	446		500	93.6	89.2		73-130			
Toluene-d8	494	478		500	98.8	95.6		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20
Conoco Phillips #0843

Received: 05/18/2005 16:30

Site: 1629 Webster St., Alameda

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/05/28-1A.62**

MS/MSD

Lab ID: 2005-05-0660 - 003

MS: 2005/05/28-1A.62-023 Extracted: 05/28/2005 Analyzed: 05/28/2005 10:23

Dilution: 1.00

MSD: 2005/05/28-1A.62-049 Extracted: 05/28/2005 Analyzed: 05/28/2005 10:49

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	25.3	20.2	0.588	25	98.8	78.4	23.0	65-165	20		R4
Benzene	23.8	19.8	ND	25	95.2	79.2	18.3	69-129	20		
Toluene	26.1	22.0	ND	25	104.4	88.0	17.0	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	527	548		500	105.5	109.6		73-130			
Toluene-d8	488	517		500	97.7	103.4		81-114			

STL San Francisco

Sample Receipt Checklist

Submission #:2005- 05-0551

Checklist completed by:	BT	DATE	5/19/05
Courier: STL SF	Courier ☐ Fedex UPS Other		Client ☑

	Log-In Details	Yes	No	Comments
1	Custody seals intact on shipping container/samples		✓	
2	Chain of custody present?	✓		
3	Chain of custody signed when relinquished and received?	✓		☐ Picked-Up at Secure Location ☐ Client signed-off at time prior to pick-up
4	All samples checked when COC relinquished		✓	
5	Chain of custody agrees with sample labels?	✓		
6	Samples in proper container/bottle?	✓		
7	Sample containers intact?	✓		
8	Sufficient sample volume for indicated test?	✓		
9	All samples received within holding time?	✓		

Cooler Temperature Compliance Check

Temperature Blank Reading	If no trip blank is submitted individual temperature must be taken as per SOP	Cooler Sample Temperature #1	#2	#3	Average
3°C	→				

Reason for Elevated Temperature	Samples with Temp > 6°C - Comments
☐ - Ice Melted ☐ Insufficient Ice ☐	
☐ Samp. in boxes ☐ Sampled < 4hr. ☐ Ice not req	

VOA Sample Inspection

		Small	Med.	Large	Samples with broken, cracked or leaking containers
Are bubbles present in any of the VOA vials ?	Sample #	0	0	0	
		☐	☐	☐	
		☐	☐	☐	
		☐	☐	☐	

	Yes	No	Samples with Unacceptable pH
Water - pH acceptable upon receipt?	☐	☐	

☐ pH adjusted– Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –Lot #(s) _____

Comments:

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: ____/____/05 Client contacted: Yes☐ No☐

Summary of discussion:

Corrective Action (per PM/Client):

2006 Checklist ver. 2.0

ConocoPhillips Chain Of Custody Record

115210

STL-San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS: CONOCOPHILLIPS
Attn: Dee Hutchinson
3611 South Harbor, Suite 200
Santa Ana, CA 92704

2005-05-0551

ConocoPhillips Work Order Number: 2807TRC501

ConocoPhillips Cost Object:

DATE: 05/17/05

PAGE: 1 of 1

SAMPLING COMPANY: TRC	Yard Value ID:
ADDRESS: 21 Technology Drive, Irvine CA 92618	
PROJECT CONTACT (Hardcopy or PDF Report to): Anju Farfan	
TELEPHONE: 949-341-7440	FAX: 949-753-0111
E-MAIL: afarfan@trcsolutions.com	
SAMPLER NAME(S) (Print): Zack R.	CONSULTANT PROJECT NUMBER: 41050001/FA20
CONOCOPHILLIPS SITE NUMBER: 0843	GLOBAL ID NO.: T0600102263
SITE ADDRESS (Street and City): 1629 Webster st., Alameda	CONOCOPHILLIPS SITE MANAGER: Thomas Kosel
EDF DELIVERABLE TO (PM or Designee): Peter Thomson, TRC pthomson@trcsolutions.com	PHONE NO.: 949-341-7408
P.O. NO.:	LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS): ☐ 10 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☑

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MBE	Lead ☐Total ☐STLC ☐TCLP	TPH DW 8260B	BTEX by 8260B	5 Oxygenates by 8260B	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	MW-4	05/17	1005	GW	3									X	X	X	3°C
	MW-3		1019														VOAs w/HCl
	MW-2A		1040														
	MW-5		1058														
	MW-6		1113														

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date: 05/17/05	Time: 1500
Relinquished by: (Signature)	Received by: (Signature)	Date: 5-18-05	Time: 0950
Relinquished by: (Signature)	Received by: (Signature)	Date: 5.18.05	Time: 1630

Original Revision

STATEMENTS

Purge Water Disposal

Non-hazardous groundwater produced during purging and sampling of monitoring was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by Onyx Transportation, Inc., to the ConocoPhillips Refinery at Rodeo, California. Disposal at the Rodeo facility was authorized by ConocoPhillips in accordance with "ESD Standard Operating Procedures - Water Quality and Compliance", as revised on February 7, 2003. Documentation of compliance with ConocoPhillips requirements is provided by an ESD Form R-149, which is on file at TRC's Concord Office. Purge water containing a significant amount of liquid-phase hydrocarbons was accumulated separately in drums for transportation and disposal by Filter Recycling, Inc.

Limitations

The fluid level monitoring and groundwater sampling activities summarized in this report have been performed under the responsible charge of a California Registered Geologist or Registered Civil Engineer and have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.