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September 22, 2005

Mr. Bob Schultz
Alameda County Health Agency
Division of Hazardous Materials
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Subject: Quarterly Groundwater Monitoring Report – Second Quarter 2005
Tesoro No. 67076 (Former Beacon Station No. 3604)
1619 First Street, Livermore, California
Delta Project No. D004-076

Dear Mr. Schultz:

Delta Environmental Consultants, Inc. (Delta) has been authorized by Tesoro Environmental Resources Company (Tesoro) to perform quarterly groundwater monitoring at the site (Former Beacon Station No. 3604) located at 1619 First Street, Livermore, California (Figure 1).

Quarterly Groundwater Monitoring

Delta measured depth to groundwater and collected samples in monitoring wells MW-1 through MW-10, VW-2 and VW-3 on May 2, 2005. Field data forms are presented in Enclosure A. Depth to water measurements were obtained using an electronic water-level indicator and recorded to the nearest 0.01-foot. The water-level indicator was cleaned with a solution of non-phosphate detergent and de-ionized water, and rinsed before each use. Groundwater elevation data are presented in Table 1 and inferred groundwater elevation contours are presented on Figure 2. Depth to groundwater ranged from 24.46 feet (MW-4) to 27.73 feet (MW-9) below the top of well casing. Based on ground water elevation data computed from depth to water measurements in wells, the groundwater flow direction across the site was inferred to be to the northwest with an approximate gradient of 0.038.

Groundwater monitoring wells MW-1 through MW-10 and vapor extraction wells VW-2 and VW-3 were sampled on May 2, 2005. Samples from these wells were analyzed for total petroleum hydrocarbons in the gasoline range (TPHg), benzene, toluene, ethylbenzene, xylenes (BTEX), and oxygenates including methyl tertiary butyl ether (MTBE) and tertiary butyl alcohol (TBA), using EPA Test Method 8260B. Kiff Analytical Labs, Inc. (Kiff Analytical) of Davis, California, a California state-certified laboratory, performed the chemical analyses. The Kiff Analytical laboratory report, including chain-of-custody documentation, is included as Enclosure B. Laboratory analyses results for the second quarter 2005 sampling event are presented in Table 1, and TPHg, benzene, MTBE, and TBA concentrations are shown on Figure 3.

Discussion of Results

The following trends were observed between the first quarter and the second quarter 2005 groundwater monitoring events:

- Concentrations of TPHg and BTEX increased (to 40,000; 5,200; 1,100; 1,800 and 4,800 µg/L, respectively), in monitoring well MW-2. Well MW-2 is located at the down-gradient edge of the site property.

- Concentrations of TPHg, ethyl-benzene, total xylenes and MTBE increased (to 14,000, 610, 920 and 4,000 µg/L, respectively), while concentrations of benzene and toluene decreased (to 630 and 22 µg/L, respectively) in monitoring well MW-6. . Well MW-6 is located across the intersection of South P Street and First Street from the site.

- The groundwater flow direction has remained stable, trending north-northwest across the site.

Remarks

The recommendations contained in this report represent Delta's professional opinions based upon the currently available information and are arrived at in accordance with currently acceptable professional standards. This report is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Delta's Client and anyone else specifically listed on this report. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this report.

Please contact John Smith at (916) 503-1266 if you have any questions.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

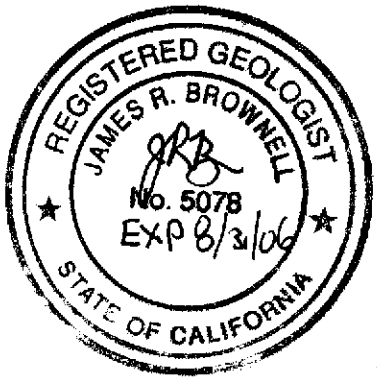
for Deborah Shulman

Deborah Shulman
Staff Geologist

John Smith
Project Manager

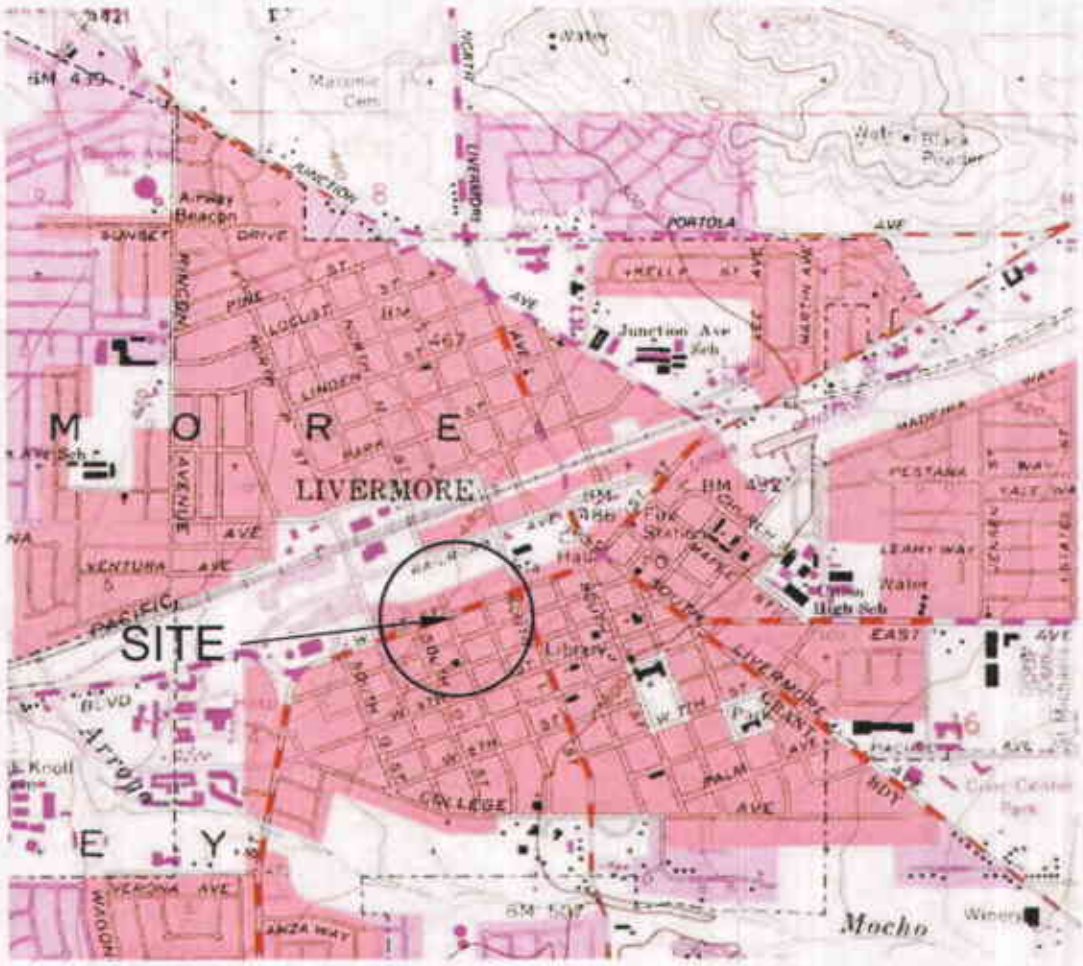
James R Brownell

James R. Brownell, R.G.
California Professional Geologist No. 5078



Enclosures

cc: Mr. Jeff Baker, Tesoro Petroleum Company
Mr. Chuck Miller, Green Valley Gasoline, LLC
Mr. Brian Kelleher, Kelleher and Associates
Ms. Bettie Graham, Regional Water Quality Control Board, San Francisco Bay Region



GENERAL NOTES:
BASE MAP FROM U.S.G.S.
LIVERMORE
7.5 MINUTE TOPOGRAPHIC
PHOTOREVISED 1980

QUADRANGLE LOCATION

N

0 2000 FT

SCALE 1:24,000

FIGURE 1

SITE LOCATION MAP

TESORO SITE NO. 67076
FORMER BEACON STATION NO. 604
1619 WEST FIRST STREET
LIVERMORE, CA.

PROJECT NO. D004-076	DRAWN BY REG 6/18/04
FILE NO. TS-67076-FIG1	PREPARED BY BAB
REVISION NO. -	REVIEWED BY

Delta Environmental Consultants, Inc.

LEGEND

PROPERTY LINE

GROUNDWATER MONITORING WELL

VAPOR EXTRACTION WELL

(447.60) GROUNDWATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL

—444.00— INFERRED WATER TABLE CONTOUR IN FEET RELATIVE TO MEAN SEA LEVEL

* MW-10 HAS NOT BEEN SURVEYED RELATIVE TO MEAN SEA LEVEL

SOURCE: Doulos Environmental, Inc. site plan. Wells resurveyed by Advanced Geomatic Engineering on 1/22/02. MW-8, MW-9, MW-10 installed on September 2, 2003.

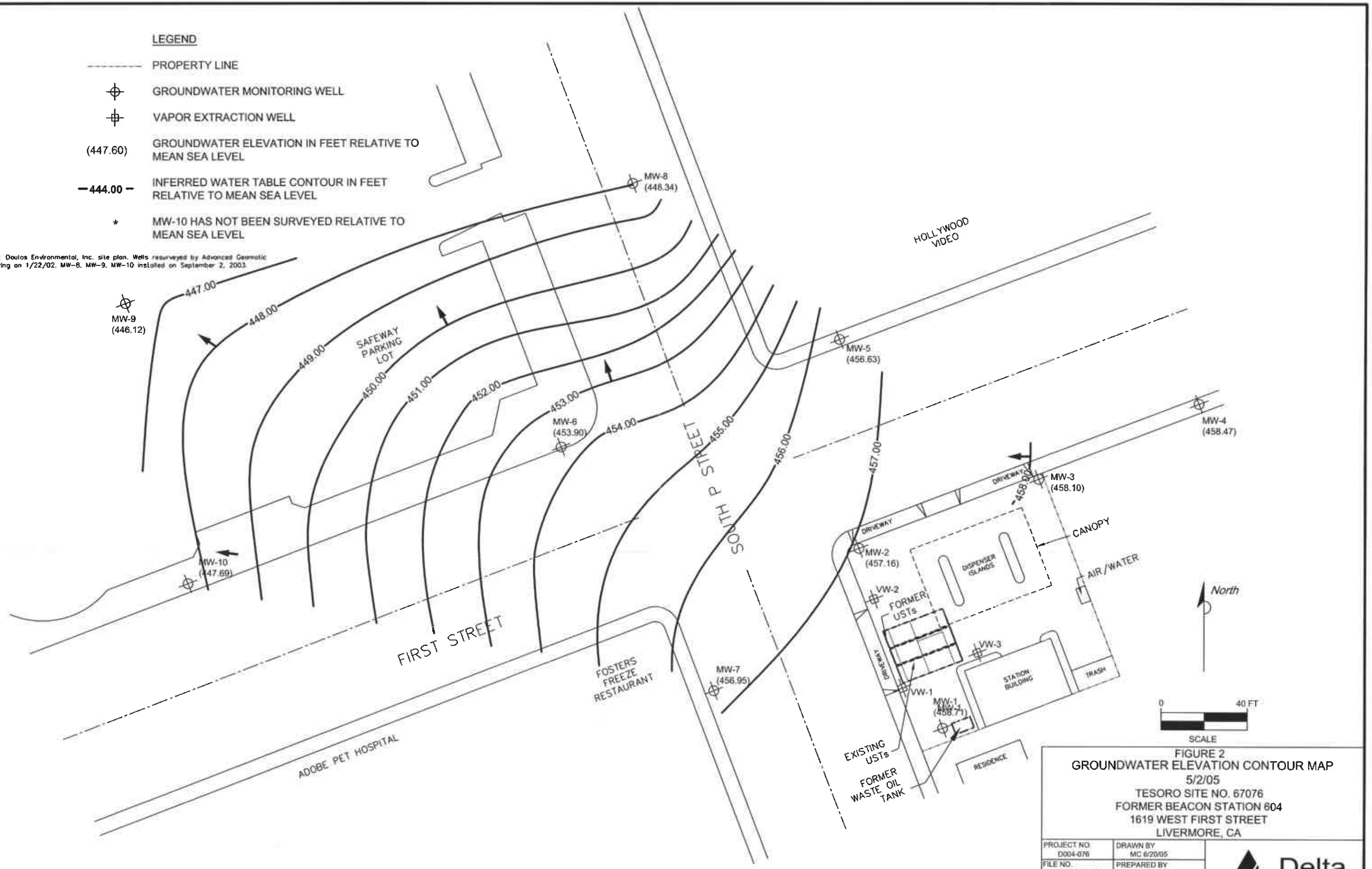


FIGURE 2
GROUNDWATER ELEVATION CONTOUR MAP
5/2/05
TESORO SITE NO. 67076
FORMER BEACON STATION 604
1619 WEST FIRST STREET
LIVERMORE, CA

PROJECT NO. D004-076	DRAWN BY MC 6/20/05
FILE NO. TS-67076-2Q05	PREPARED BY DS
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.

LEGEND

PROPERTY LINE

GROUNDWATER MONITORING WELL

VAPOR EXTRACTION WELL

TPH-G	1,500
Benzene	10
MTBE	<0.50

DISSOLVED PHASE HYDROCARBON CONCENTRATIONS (µg/L)

SOURCE: Doulos Environmental, Inc. site plan. Wells resurveyed by Advanced Geomatic Engineering on 1/22/02. MW-8, MW-9, MW-10 installed on September 2, 2003.

MW-9

MW-9	
TPH-G	1,500
Benzene	10
MTBE	<0.50

MW-8

MW-8	
TPH-G	<50
Benzene	<0.5
MTBE	<0.5

MW-8

MW-5

MW-5	
TPH-G	120
Benzene	<0.50
MTBE	<0.50

HOLLYWOOD VIDEO

MW-5

MW-4

MW-4	
TPH-G	<50
Benzene	1.8
MTBE	<0.50

MW-3

MW-3	
TPH-G	140
Benzene	<0.50
MTBE	<0.50

MW-4

SAFEWAY PARKING LOT

SOUTH P STREET

MW-6

MW-6	
TPH-G	14,000
Benzene	630
MTBE	2,200

MW-2

MW-2	
TPH-G	44,000
Benzene	5,200
MTBE	2,200

DRIVEWAY

DRIVEWAY

MW-3

MW-2

CANOPY

DISPENSER ISLANDS

AIR/WATER

VW-3

VW-3	
TPH-G	<50
Benzene	<0.50
MTBE	<0.50

VW-2

VW-2	
TPH-G	2,600
Benzene	84
MTBE	960

VW-2

FORMER USTs

VW-3

DRIVEWAY

VW-1

STATION BUILDING

TRASH

MW-10

MW-10	
TPH-G	<50
Benzene	<0.5
MTBE	<0.5

FIRST STREET

FOSTERS FREEZE RESTAURANT

MW-7

MW-7	
TPH-G	770
Benzene	<0.50
MTBE	<0.50

ADOBE PET HOSPITAL

EXISTING USTs

FORMER WASTE OIL TANK

RESIDENCE

MW-1

MW-1	
TPH-G	78
Benzene	0.80
MTBE	<0.50

North

0 40 FT

SCALE

FIGURE 3
DISTRIBUTION OF TPH-G, BENZENE AND MTBE IN GROUNDWATER-5/2/05
TESORO SITE NO. 67076
FORMER BEACON STATION 604
1619 WEST FIRST STREET
LIVERMORE, CA

PROJECT NO. D004-076	DRAWN BY MC 6/20/05
FILE NO. TS-67076-2Q05	PREPARED BY DS
REVISION NO.	REVIEWED BY

Delta Environmental Consultants, Inc.

Table 1
Groundwater Analytical Data
Tesoro Site No. 67076
Delta Project No. D004-076

Well	Sample Collection Date	Casing Elevation (msl)	Depth to Water (feet)	Water Table Elevation (msl)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2 DCA (µg/L)	1,2 DBE (µg/L)	Dissolved Oxygen (%)
MW-1	6/1/1993	100.00	37.50	62.50	27,000	2,200	400	<0.50	4,900	-	-	-	-	-	-	-	-	-	-
MW-1	6/22/1993	100.00	38.46	61.54	87,000	8,000	10,000	260	10,000	-	-	-	-	-	-	-	-	-	-
MW-1	10/6/1993	100.00	42.22	57.78	40,000	4,700	6,500	740	5,300	-	-	-	-	-	-	-	-	-	-
MW-1	1/13/1994	100.00	34.52	65.48	9,400	1,300	9,500	110	850	-	-	-	-	-	-	-	-	-	-
MW-1	3/30/1994	100.00	31.93	68.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	4/25/1994	100.00	33.49	66.51	11,000	1,500	1,800	290	1,700	-	-	-	-	-	-	-	-	-	-
MW-1	8/12/1994	100.00	41.03	58.97	11,000	550	330	260	1,400	-	-	-	-	-	-	-	-	-	-
MW-1	12/14/1994	100.00	38.63	61.37	11,000	1,000	1,200	320	1,500	-	-	-	-	-	-	-	-	-	-
MW-1	2/10/1995	100.00	30.80	69.20	9,300	1,200	1,500	280	1,500	-	-	-	-	-	-	-	-	-	-
MW-1	6/15/1995	100.00	25.46	74.54	140	5.6	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-	-
MW-1	9/26/1995	100.00	31.05	68.95	410	140	<0.50	<0.50	43	-	-	-	-	-	-	-	-	-	-
MW-1	12/15/1995	100.00	28.11	71.89	740	250	<1.3	<1.3	87	-	-	-	-	-	-	-	-	-	-
MW-1	3/21/1996	100.00	17.67	82.33	<50	0.52	<0.50	<0.50	0.51	-	-	-	-	-	-	-	-	-	-
MW-1	6/13/1996	100.00	22.86	77.14	240	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-	-
MW-1	9/16/1996	100.00	30.04	69.96	720	70	<0.50	1.0	5.1	<5.0	-	-	-	-	-	-	-	-	-
MW-1	12/2/1996	100.00	26.74	73.26	<50	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-1	3/7/1997	100.00	20.84	79.16	600	6.7	<0.50	1.2	1.8	<5.0	-	-	-	-	-	-	-	-	-
MW-1	6/12/1997	100.00	28.71	71.29	18,000	180	800	410	1800	<5.0	-	-	-	-	-	-	-	-	-
MW-1	9/29/1997	100.00	33.91	66.09	350	120	1.5	<0.50	12	<5.0	-	-	-	-	-	-	-	-	-
MW-1	12/1/1997	100.00	34.88	65.12	<50	7.0	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-1	3/19/1998	100.00	19.83	80.17	<50	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-1	5/29/1998	100.00	21.57	78.43	<50	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-1	9/15/1998	100.00	31.68	68.32	<50	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-1	11/30/1998	100.00	36.80	63.20	<50	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-1	1/17/1999	100.00	30.02	69.98	<50	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-1	6/10/1999	100.00	29.30	70.70	<50	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-1	9/7/1999	100.00	31.41	68.59	<50	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-1	12/13/1999	100.00	32.95	67.05	<50	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-1	3/13/2000	100.00	25.74	74.26	<50	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-1	6/12/2000	100.00	28.24	71.76	<50	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-1	11/10/2000	100.00	30.56	69.44	<50	<0.50	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-
MW-1	12/31/2000	100.00	31.71	68.29	<50	<0.50	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-
MW-1	3/27/2001	100.00	30.43	69.57	<50	<0.50	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-
MW-1	6/30/2001	100.00	36.61	63.39	<50	<0.50	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-
MW-1	9/26/2001	100.00	45.10	54.90	90	<0.50	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-
MW-1	12/18/2001	100.00	39.39	60.61	<50	<0.50	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-
MW-1	1/22/2002	483.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	3/18/2002	483.58	38.24	445.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	6/5/2002	483.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Tesoro Site No. 67076
Delta Project No. D004-076

Well	Sample Collection Date	Casing Elevation (msl)	Depth to Water (feet)	Water Table Elevation (msl)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2 DCA (µg/L)	1,2 DBE (µg/L)	Dissolved Oxygen (%)
MW-1	8/21/2002	483.58	36.71	446.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	12/3/2002	483.58	36.85	446.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	3/4/2003	483.58	33.72	449.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	6/10/2003	483.58	31.31	452.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	9/9/2003	483.58	35.05	448.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	12/23/2003	483.58	30.15	453.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	3/23/2004	483.58	26.61	456.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	5/10/2004	483.58	30.31	453.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	8/4/2004	483.58	34.77	448.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/4/2004	483.58	33.93	449.65	4,500	2.5	5.8	79	140	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-1	1/12/2005	483.58	27.82	455.76	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-1	**5/2/2005**	**483.58**	**24.87**	**458.71**	**78**	**0.80**	**0.70**	**0.86**	**2.4**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<40**	**<5.0**	**<0.50**	**<0.50**	**0.9**
MW-2	6/1/1993	98.68	38.02	60.66	170,000	20,000	21,000	3,300	18,000	-	-	-	-	-	-	-	-	-	-
MW-2	6/22/1993	98.68	39.07	59.61	160,000	19,000	22,000	3,500	18,000	-	-	-	-	-	-	-	-	-	-
MW-2	10/6/093	98.68	43.72	54.96	110,000	17,000	17,000	3,000	15,000	-	-	-	-	-	-	-	-	-	-
MW-2	1/13/1994	98.68	35.85	62.83	93,000	20,000	19,000	2,300	14,000	-	-	-	-	-	-	-	-	-	-
MW-2	3/30/1994	98.68	32.82	65.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	4/25/1994	98.68	34.76	63.92	41,000	9,600	7,300	840	7,800	-	-	-	-	-	-	-	-	-	-
MW-2	8/12/1994	98.68	44.33	54.35	59,000	11,000	11,000	2,300	11,000	-	-	-	-	-	-	-	-	-	-
MW-2	12/14/1994	98.68	40.00	58.68	63,000	13,000	13,000	2,200	12,000	-	-	-	-	-	-	-	-	-	-
MW-2	2/10/1995	98.68	32.16	66.52	63,000	12,000	12,000	2,200	11,000	-	-	-	-	-	-	-	-	-	-
MW-2	6/15/1995	98.68	25.93	72.75	61,000	11,000	12,000	1,900	11,000	-	-	-	-	-	-	-	-	-	-
MW-2	9/26/1995	98.68	32.42	66.26	61,000	9,400	11,000	2,300	12,000	-	-	-	-	-	-	-	-	-	-
MW-2	12/15/1995	98.68	29.41	69.27	48,000	8,000	8,300	2,200	12,000	-	-	-	-	-	-	-	-	-	-
MW-2	3/21/1996	98.68	17.47	81.21	48,000	8,000	7,700	2,400	12,000	-	-	-	-	-	-	-	-	-	-
MW-2	6/13/1996	98.68	23.69	74.99	33,000	7,300	8,800	1,900	12,000	<250	-	-	-	-	-	-	-	-	-
MW-2	9/16/1996	98.68	31.24	67.44	8,600	510	640	180	1,300	<250	-	-	-	-	-	-	-	-	-
MW-2	12/2/1996	98.68	26.90	71.78	29,000	4,400	4,000	1,300	6,100	<130	-	-	-	-	-	-	-	-	-
MW-2	3/7/1997	98.68	21.33	77.35	13,000	1,800	1,100	270	2,000	<250	-	-	-	-	-	-	-	-	-
MW-2	6/12/1997	98.68	29.94	68.74	68,000	7,800	6,600	2,300	11,000	<500	-	-	-	-	-	-	-	-	-
MW-2	9/29/1997	98.68	34.22	64.46	15,000	1,500	97	740	1,800	<250	-	-	-	-	-	-	-	-	-
MW-2	12/1/1997	98.68	35.94	62.74	13,000	900	37	860	2,400	<250	-	-	-	-	-	-	-	-	-
MW-2	3/19/1998	98.68	20.34	78.34	42,000	5,000	3,600	2,000	8,300	<250	-	-	-	-	-	-	-	-	-
MW-2	5/29/1998	98.68	22.63	76.05	68,000	5,600	4,700	2,400	11,000	<250	-	-	-	-	-	-	-	-	-
MW-2	9/15/1998	98.68	32.30	66.38	36,000	3,900	1,200	1,400	7,800	<250	-	-	-	-	-	-	-	-	-
MW-2	11/30/1998	98.68	36.90	61.78	16,000	2,200	59	1,200	1,500	<250	-	-	-	-	-	-	-	-	-
MW-2	1/17/1999	98.68	30.17	68.51	30,000	4,000	2,200	2,100	9,500	<250	-	-	-	-	-	-	-	-	-
MW-2	6/10/1999	98.68	29.98	68.70	70,000	6,300	1,800	3,600	14,000	<500	-	-	-	-	-	-	-	-	-
MW-2	9/7/1999	98.68	31.85	66.83	42,000	3,800	840	1,900	8,000	150	-	-	-	-	-	-	-	-	-
MW-2	12/13/1999	98.68	33.72	64.96	14,000	1,400	87	690	110	34	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Tesoro Site No. 67076
Delta Project No. D004-076

Well	Sample Collection Date	Casing Elevation (msl)	Depth to Water (feet)	Water Table Elevation (msl)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2 DCA (µg/L)	1,2 DBE (µg/L)	Dissolved Oxygen (%)
MW-2	3/13/2000	98.68	26.54	72.14	38,000	2,400	2,300	1,600	6,400	2,400	-	-	-	-	-	-	-	-	-
MW-2	6/12/2000	98.68	28.44	70.24	56,000	4,000	950	2,300	7,200	<50	-	-	-	-	-	-	-	-	-
MW-2	11/10/2000	98.68	31.31	67.37	35,000	5,100	850	1,500	3,200	230	-	-	-	-	-	-	-	-	-
MW-2	12/31/2000	98.68	32.68	66.00	21,000	3,200	420	1,300	1,200	440	-	-	-	-	-	-	-	-	-
MW-2	3/27/2001	98.68	30.81	67.87	3,500	420	64	16	280	120	-	-	-	-	-	-	-	-	-
MW-2	6/30/2001	98.68	37.58	61.10	1,200	88	5	65	37	29	-	-	-	-	-	-	-	-	-
MW-2	9/26/2001	98.68	44.97	53.71	53,000	8,500	1,500	2,400	4,600	270	-	-	-	-	-	-	-	-	-
MW-2	12/18/2001	98.68	40.67	58.01	26,000	5,400	900	1,500	2,200	430	-	-	-	-	-	-	-	-	-
MW-2	1/22/2002	482.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	3/18/2002	482.77	38.94	443.83	4,200	240	7.3	200	53	89	-	-	-	-	-	-	-	-	-
MW-2	6/5/2002	482.77	36.45	446.32	25,000	3,500	390	1,400	2,400	550	-	-	-	-	-	-	-	-	-
MW-2	8/21/2002	482.77	37.15	445.62	10,000	1,200	32	620	300	160	-	-	-	-	-	-	-	-	-
MW-2	12/3/2002	482.77	36.76	446.01	3,700	110	2.5	130	11	29	-	-	-	-	-	-	-	-	-
MW-2	3/4/2003	482.77	33.60	449.17	8,700	1,100	77.0	350	540	230	<0.50	<0.50	<10	21	<150	<5.0	<0.50	<0.50	-
MW-2	6/10/2003	482.77	32.89	449.88	6,300	660	35.0	190	120	410	<2.5	<2.5	<5.0	<25	<250	<25	<2.5	<2.5	-
MW-2	9/9/2003	482.77	35.45	447.32	6,900	500	<20	360	29	9,500	<20	<20	60	<200	<2000	<200	<20	<20	-
MW-2	12/23/2003	482.77	31.79	450.98	22,000	4,900	1,300	720	2,300	1,700	<20	<20	21	<200	<2000	<200	<20	<20	-
MW-2	3/23/2004	482.77	28.25	454.52	45,000	5,200	1,500	1,800	5,000	750	<20	<20	34	<200	<2000	<200	<20	<20	-
MW-2	5/10/2004	482.77	30.91	451.86	7,300	1,000	51	240	290	1,800	<5.0	<5.0	14	<50	<500	<50	<5.0	<5.0	-
MW-2	8/4/2004	482.77	35.36	447.41	45,000	7,200	1,900	1,800	5,100	2,500	<25	<25	31	<250	<2500	<250	<25	<25	-
MW-2	11/4/2004	482.77	34.92	447.85	27,000	4,400	1,100	840	2,200	3,500	<9.0	<9.0	29	<50	<900	<90	<9.0	<9.0	-
MW-2	1/12/2005	482.77	29.46	453.31	16,000	1,900	640	570	1,500	1,900	<4.0	<4.0	19	28[B]	<400	<40	<4.0	<4.0	-
MW-2	**5/2/2005**	**482.77**	**25.61**	**457.16**	**44,000**	**5,200**	**1,100**	**1,800**	**4,800**	**2,200**	**<20**	**<20**	**30**	**<200**	**<2,000**	**<200**	**<20**	**<20**	**0.4**
MW-3	6/1/1993	97.08	36.18	60.90	270	4.6	<0.50	<0.50	1.9	-	-	-	-	-	-	-	-	-	-
MW-3	6/22/1993	97.08	37.11	59.97	160	8.2	<0.50	<0.50	0.72	-	-	-	-	-	-	-	-	-	-
MW-3	10/6/093	97.08	41.15	55.93	740	57	110	24	120	-	-	-	-	-	-	-	-	-	-
MW-3	1/13/1994	97.08	33.95	63.13	83	2.6	0.67	0.78	4.2	-	-	-	-	-	-	-	-	-	-
MW-3	3/30/1994	97.08	30.97	66.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	4/25/1994	97.08	32.46	64.62	60	0.75	3.2	0.50	3.6	-	-	-	-	-	-	-	-	-	-
MW-3	8/12/1994	97.08	41.72	55.36	310	7.3	14	2.6	13	-	-	-	-	-	-	-	-	-	-
MW-3	12/14/1994	97.08	37.62	59.46	75	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-	-
MW-3	2/10/1995	97.08	29.96	67.12	96	1.4	<0.50	<0.50	1.8	-	-	-	-	-	-	-	-	-	-
MW-3	6/15/1995	97.08	23.66	73.42	<50	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-	-
MW-3	9/26/1995	97.08	29.62	67.46	<50	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-	-
MW-3	12/15/1995	97.08	27.10	69.98	<50	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-	-
MW-3	3/21/1996	97.08	15.85	81.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	6/13/1996	97.08	21.31	75.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	9/16/1996	97.08	28.62	68.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/2/1996	97.08	25.55	71.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Tesoro Site No. 67076
Delta Project No. D004-076

Well	Sample Collection Date	Casing Elevation (msl)	Depth to Water (feet)	Water Table Elevation (msl)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2 DCA (µg/L)	1,2 DBE (µg/L)	Dissolved Oxygen (%)
MW-3	3/7/1997	97.08	19.77	77.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	6/12/1997	97.08	27.67	69.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	9/29/1997	97.08	29.60	67.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/1/1997	97.08	33.37	63.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	3/19/1998	97.08	18.76	78.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	5/29/1998	97.08	20.64	76.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	9/15/1998	97.08	30.70	66.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/30/1998	97.08	34.96	62.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	1/17/1999	97.08	28.81	68.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	6/10/1999	97.08	28.10	68.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	9/7/1999	97.08	30.38	66.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/13/1999	97.08	31.46	65.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	3/13/2000	97.08	24.28	72.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	6/12/2000	97.08	26.80	70.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/10/2000	97.08	29.47	67.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/31/2000	97.08	31.38	65.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	3/27/2001	97.08	29.94	67.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	6/30/2001	97.08	37.54	59.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	9/26/2001	97.08	45.17	51.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/18/2001	97.08	39.41	57.67	-	-	-	-	-		-	-	-	-	-	-	-	-	-
MW-3	1/22/2002	482.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	3/18/2002	482.66	37.73	444.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	6/5/2002	482.66	35.35	447.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	8/21/2002	482.66	36.21	446.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/3/2002	482.66	35.92	446.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	3/4/2003	482.66	32.75	449.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	6/10/2003	482.66	31.26	451.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	9/9/2003	482.66	34.72	447.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/23/2003	482.66	30.47	452.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	3/23/2004	482.66	26.67	455.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	5/10/2004	482.66	30.25	452.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	8/4/2004	482.66	34.70	447.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/4/2004	482.66	33.94	448.72	<50	<0.50	<0.50	<0.50	<0.50	6.4	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-3	1/12/2005	482.66	28.21	454.45	<50	<0.50	<0.50	<0.50	<0.50	4.4	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-3	**5/2/2005**	**482.66**	**24.56**	**458.10**	**140**	**<0.50**	**<0.50**	**<0.50**	**0.81**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<50**	**<5.0**	**<0.50**	**<0.50**	**0.8**

Table 1
Groundwater Analytical Data
Tesoro Site No. 67076
Delta Project No. D004-076

Well	Sample Collection Date	Casing Elevation (msl)	Depth to Water (feet)	Water Table Elevation (msl)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2 DCA (µg/L)	1,2 DBE (µg/L)	Dissolved Oxygen (%)
MW-4	3/30/1994	99.35	31.56	67.79	120	4.2	15	2.5	26	-	-	-	-	-	-	-	-	-	-
MW-4	4/25/1994	99.35	32.73	66.62	65	<0.50	1.8	<0.50	2.1	-	-	-	-	-	-	-	-	-	-
MW-4	8/12/1994	99.35	41.61	57.74	<50	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-	-
MW-4	12/14/1994	99.35	38.11	61.24	<50	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-	-
MW-4	2/10/1995	99.35	30.50	68.85	<50	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-	-
MW-4	6/15/1995	99.35	23.63	75.72	<50	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-	-
MW-4	9/26/1995	99.35	29.70	69.65	<50	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-	-
MW-4	12/15/1995	99.35	27.56	71.79	<51	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-	-
MW-4	3/21/1996	99.35	15.63	83.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	6/13/1996	99.35	21.07	78.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	9/16/1996	99.35	28.99	70.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	12/2/1996	99.35	26.04	73.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	3/7/1997	99.35	19.69	79.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	6/12/1997	99.35	28.04	71.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	9/29/1997	99.35	29.91	69.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	12/1/1997	99.35	33.88	65.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	3/19/1998	99.35	18.67	80.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	5/29/1998	99.35	20.16	79.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	9/15/1998	99.35	30.46	68.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/30/1998	99.35	34.50	64.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	1/17/1999	99.35	28.30	71.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	6/10/1999	99.35	27.60	71.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	9/7/1999	99.35	30.79	68.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	12/13/1999	99.35	31.60	67.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	3/13/2000	99.35	24.35	75.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	6/12/2000	99.35	26.91	72.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/10/2000	99.35	29.71	69.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	12/31/2000	99.35	31.79	67.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	3/27/2001	99.35	29.98	69.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	6/30/2001	99.35	36.88	62.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	9/26/2001	99.35	43.87	55.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	12/18/2001	99.35	39.30	60.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	1/22/2002	482.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	3/18/2002	482.93	37.75	445.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	6/5/2002	482.93	35.68	447.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	8/21/2002	482.93	36.58	446.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	12/3/2002	482.93	35.90	447.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	3/4/2003	482.93	32.73	450.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	6/10/2003	482.93	31.20	451.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	9/9/2003	482.93	34.64	448.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	12/23/2003	482.93	31.30	451.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Tesoro Site No. 67076
Delta Project No. D004-076

Well	Sample Collection Date	Casing Elevation (msl)	Depth to Water (feet)	Water Table Elevation (msl)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2 DCA (µg/L)	1,2 DBE (µg/L)	Dissolved Oxygen (%)
MW-4	3/23/2004	482.93	26.71	456.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	5/10/2004	482.93	30.33	452.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	8/4/2004	482.93	34.87	448.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/4/2004	482.93	34.28	448.65	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-4	1/12/2005	482.93	28.67	454.26	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-4	**5/2/2005**	**482.93**	**24.46**	**458.47**	**<50**	**1.8**	**1.1**	**1.4**	**4.4**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<50**	**<5.0**	**<0.50**	**<0.50**	**1.0**
MW-5	3/30/1994	98.37	32.07	66.30	7,500	1,300	20	<13	160	-	-	-	-	-	-	-	-	-	-
MW-5	4/25/1994	98.37	33.65	64.72	6,500	1,100	41	130	740	-	-	-	-	-	-	-	-	-	-
MW-5	8/12/1994	98.37	42.73	55.64	4,000	420	2.9	41	98	-	-	-	-	-	-	-	-	-	-
MW-5	12/14/1994	98.37	38.89	59.48	4,800	660	<2.5	33	13	-	-	-	-	-	-	-	-	-	-
MW-5	2/10/1995	98.37	31.44	66.93	5,200	490	<13	23	19	-	-	-	-	-	-	-	-	-	-
MW-5	6/15/1995	98.37	24.99	73.38	460	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-	-
MW-5	9/26/1995	98.37	30.20	68.17	1,400	61	<0.50	3.1	<0.50	-	-	-	-	-	-	-	-	-	-
MW-5	12/15/1995	98.37	28.56	69.81	2,100	77	1.5	10	1.5	-	-	-	-	-	-	-	-	-	-
MW-5	3/21/1996	98.37	16.82	81.55	930	35	2.0	2.0	18	-	-	-	-	-	-	-	-	-	-
MW-5	6/13/1996	98.37	22.61	75.76	610	38	0.72	1.9	2.0	<5.0	-	-	-	-	-	-	-	-	-
MW-5	9/16/1996	98.37	29.78	68.59	380	29	<0.50	0.95	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-5	12/2/1996	98.37	26.51	71.86	200	1.1	0.64	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-5	3/7/1997	98.37	21.91	76.46	520	74	<0.50	0.58	1.5	<5.0	-	-	-	-	-	-	-	-	-
MW-5	6/12/1997	98.37	-	-	140	5.3	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-5	9/29/1997	98.37	31.74	66.63	<50	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-5	12/1/1997	98.37	34.05	64.32	<50	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-5	3/19/1998	98.37	20.93	77.44	<50	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-5	5/29/1998	98.37	21.30	77.07	540	4.1	<0.50	<0.50	0.52	<5.0	-	-	-	-	-	-	-	-	-
MW-5	9/15/1998	98.37	31.32	67.05	67	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-5	11/30/1998	98.37	35.44	62.93	430	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-5	1/17/1999	98.37	29.59	68.78	500	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-5	6/10/1999	98.37	28.05	70.32	66	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-5	9/7/1999	98.37	31.11	67.26	820	46	1.7	10	21	<5.0	-	-	-	-	-	-	-	-	-
MW-5	12/13/1999	98.37	32.66	65.71	<50	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-5	3/13/2000	98.37	25.87	72.50	270	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-5	6/12/2000	98.37	28.15	70.22	<50	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-	-	-	-	-
MW-5	11/10/2000	98.37	30.05	68.32	2,200	42	1.1	25	30	8.6	-	-	-	-	-	-	-	-	-
MW-5	12/31/2000	98.37	31.81	66.56	1,300	21	<0.50	4.3	2.6	10	-	-	-	-	-	-	-	-	-
MW-5	3/27/2001	98.37	30.57	67.80	1,200	11	<0.50	2.6	<0.50	21	-	-	-	-	-	-	-	-	-
MW-5	6/30/2001	98.37	37.24	61.13	1,400	4.8	<0.50	1.5	0.56	14	-	-	-	-	-	-	-	-	-
MW-5	9/26/2001	98.37	44.53	53.84	660	<0.50	<0.50	<0.50	<0.50	3.0	-	-	-	-	-	-	-	-	-
MW-5	12/18/2001	98.37	40.65	57.72	240	<0.50	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-
MW-5	1/22/2002	481.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	3/18/2002	481.94	38.75	443.19	890	0.65	<0.50	<0.50	<0.50	3.1	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Tesoro Site No. 67076
Delta Project No. D004-076

Well	Sample Collection Date	Casing Elevation (msl)	Depth to Water (feet)	Water Table Elevation (msl)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2 DCA (µg/L)	1,2 DBE (µg/L)	Dissolved Oxygen (%)
MW-5	6/5/2002	481.94	36.21	445.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	8/21/2002	481.94	36.76	445.18	2,100	20	<0.50	63	4	7	-	-	-	-	-	-	-	-	-
MW-5	12/3/2002	481.94	36.12	445.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	3/4/2003	481.94	32.90	449.04	490	10	<0.50	2.2	<0.50	1.0	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-5	6/10/2003	481.94	33.04	448.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	9/9/2003	481.94	34.20	447.74	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-5	12/23/2003	481.94	31.38	450.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	3/23/2004	481.94	27.51	454.43	440	2.3	<0.50	1.0	5.9	2.4	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-5	5/10/2004	481.94	31.12	450.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	8/4/2004	481.94	35.09	446.85	160	<0.05	<0.05	<0.05	0.71	0.94	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-5	11/4/2004	481.94	34.34	447.60	290	0.74	<0.50	0.58	1.3	0.61	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-5	1/12/2005	481.94	29.19	452.75	300	<0.50	<0.50	0.51	1.6	0.73	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-5	**5/2/2005**	**481.94**	**25.31**	**456.63**	**120**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<50**	**<5.0**	**<0.50**	**<0.50**	**2.8**
MW-6	3/30/1994	97.62	33.38	64.24	63,000	21,000	8,600	1,700	12,000	-	-	-	-	-	-	-	-	-	-
MW-6	4/25/1994	97.62	35.49	62.13	77,000	22,000	12,000	2,300	16,000	-	-	-	-	-	-	-	-	-	-
MW-6	8/12/1994	97.62	45.14	52.48	65,000	12,000	8,100	2,200	16,000	-	-	-	-	-	-	-	-	-	-
MW-6	12/14/1994	97.62	40.99	56.63	65,000	18,000	9,500	2,200	14,000	-	-	-	-	-	-	-	-	-	-
MW-6	2/10/1995	97.62	33.34	64.28	63,000	21,000	8,400	2,000	14,000	-	-	-	-	-	-	-	-	-	-
MW-6	6/15/1995	97.62	26.88	70.74	75,000	20,000	11,000	2,100	15,000	-	-	-	-	-	-	-	-	-	-
MW-6	9/26/1995	97.62	33.55	64.07	62,000	15,000	9,600	1,700	12,000	-	-	-	-	-	-	-	-	-	-
MW-6	12/15/1995	97.62	30.32	67.30	61,000	15,000	9,000	2,300	15,000	-	-	-	-	-	-	-	-	-	-
MW-6	3/21/1996	97.62	18.89	78.73	65,000	18,000	9,800	2,400	16,000	-	-	-	-	-	-	-	-	-	-
MW-6	6/13/1996	97.62	24.62	73.00	29,000	8,600	3,300	2,200	12,000	<250	-	-	-	-	-	-	-	-	-
MW-6	9/16/1996	97.62	32.64	64.98	42,000	6,400	1,800	2,100	11,000	<250	-	-	-	-	-	-	-	-	-
MW-6	12/2/1996	97.62	27.42	70.20	28,000	3,000	1,100	970	8,300	<500	-	-	-	-	-	-	-	-	-
MW-6	3/7/1997	97.62	22.13	75.49	12,000	2,000	190	520	2,300	<250	-	-	-	-	-	-	-	-	-
MW-6	6/12/1997	97.62	31.02	66.60	37,000	3,900	470	1,600	6,200	<100	-	-	-	-	-	-	-	-	-
MW-6	9/29/1997	97.62	35.77	61.85	34,000	3,500	370	1,600	5,200	<100	-	-	-	-	-	-	-	-	-
MW-6	12/1/1997	97.62	37.14	60.48	20,000	2,100	<10	1,200	2,200	<100	-	-	-	-	-	-	-	-	-
MW-6	3/19/1998	97.62	21.10	76.52	24,000	2,900	460	1,100	3,400	<100	-	-	-	-	-	-	-	-	-
MW-6	5/29/1998	97.62	23.26	74.36	38,000	3,500	700	1,800	5,200	<100	-	-	-	-	-	-	-	-	-
MW-6	9/15/1998	97.62	33.50	64.12	22,000	1,900	110	1,400	3,000	<100	-	-	-	-	-	-	-	-	-
MW-6	11/30/1998	97.62	38.73	58.89	9,900	770	16	820	710	<100	-	-	-	-	-	-	-	-	-
MW-6	1/17/1999	97.62	32.05	65.57	14,000	2,200	160	1,700	3,600	<100	-	-	-	-	-	-	-	-	-
MW-6	6/10/1999	97.62	31.44	66.18	22,000	1,600	160	1,400	2,900	5.5	-	-	-	-	-	-	-	-	-
MW-6	9/7/1999	97.62	33.94	63.68	17,000	1,400	33	1,300	1,800	<50	-	-	-	-	-	-	-	-	-
MW-6	12/13/1999	97.62	35.84	61.78	16,000	790	9.2	840	780	<25	-	-	-	-	-	-	-	-	-
MW-6	3/13/2000	97.62	28.45	69.17	16,000	790	85	780	1,600	<25	-	-	-	-	-	-	-	-	-
MW-6	6/12/2000	97.62	30.52	67.10	24,000	1,100	150	1,300	2,300	5600	-	-	-	-	-	-	-	-	-
MW-6	11/10/2000	97.62	32.99	64.63	13,000	440	7	760	350	1000	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Tesoro Site No. 67076
Delta Project No. D004-076

Well	Sample Collection Date	Casing Elevation (msl)	Depth to Water (feet)	Water Table Elevation (msl)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2 DCA (µg/L)	1,2 DBE (µg/L)	Dissolved Oxygen (%)
MW-6	12/31/2000	97.62	34.95	62.67	12,000	680	8	820	190	1400	-	-	-	-	-	-	-	-	-
MW-6	3/27/2001	97.62	32.72	64.90	14,000	330	17	940	670	380	-	-	-	-	-	-	-	-	-
MW-6	6/30/2001	97.62	39.86	57.76	750	45	0.93	47	14	54	-	-	-	-	-	-	-	-	-
MW-6	9/26/2001	97.62	Dry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	12/18/2001	97.62	43.36	54.26	43,000	3,800	350	1,900	3,000	900	-	-	-	-	-	-	-	-	-
MW-6	1/22/2002	481.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	3/18/2002	481.20	41.29	439.91	33,000	2,600	120	1,800	2,800	740	-	-	-	-	-	-	-	-	-
MW-6	6/5/2002	481.20	38.35	442.85	10,000	1,100	16	700	180	600	-	-	-	-	-	-	-	-	-
MW-6	8/21/2002	481.20	39.02	442.18	10,000	1,200	23	710	290	370	-	-	-	-	-	-	-	-	-
MW-6	12/3/2002	481.20	38.76	442.44	16,000	1,700	63	970	630	1,500	-	-	-	-	-	-	-	-	-
MW-6	3/4/2003	481.20	35.13	446.07	16,000	1,700	25	1,200	40	7,700	<20	<20	<70	<200	<2000	<200	<20	<20	-
MW-6	6/10/2003	481.20	34.15	447.05	9,500	860	15	380	47	2,600	<5.0	<5.0	18	<50	<500	<50	<5.0	<5.0	-
MW-6	9/9/2003	481.20	37.66	443.54	11,000	1,000	16	630	120	2,500	<5.0	<5.0	20	52	<500	<50	<5.0	<5.0	-
MW-6	12/23/2003	481.20	33.43	447.77	18,000	2,100	41	1,100	390	4,900	<10	<10	42	<100	<1000	<100	<10	<10	-
MW-6	3/23/2004	481.20	29.96	451.24	24,000	1,400	71	1,500	2,000	7,500	<20	<20	66	<200	<2000	<200	<20	<20	-
MW-6	5/10/2004	481.20	32.98	448.22	6,500	550	<10	71	43	3,700	<10	<10	31	<100	<1000	<100	<10	<10	-
MW-6	8/4/2004	481.20	37.02	444.18	8,200	990	19	300	120	3,300	<5.0	<5.0	23	<50	<500	<50	<5.0	<5.0	-
MW-6	11/4/2004	481.20	37.03	444.17	9,600	1,100	30	320	160	2,200	<4.0	<4.0	18	22[B]	<400	<40	<4.0	<4.0	-
MW-6	1/12/2005	481.20	32.01	449.19	12,000	1,100	34	600	500	3,600	<4.0	<4.0	31	30[B]	<400	<40	<4.0	<4.0	-
MW-6	**5/2/2005**	**481.20**	**27.30**	**453.90**	**14,000**	**630**	**22**	**610**	**920**	**4,000**	**<10**	**<10**	**32**	**120[B]**	**<3,000**	**<100**	**<10**	**<10**	**0.4**
MW-7	3/30/1994	98.03	31.98	66.05	43,000	7,200	2,400	1,600	11,000	-	-	-	-	-	-	-	-	-	-
MW-7	4/25/1994	98.03	33.56	64.47	30,000	3,900	1,000	940	6,900	-	-	-	-	-	-	-	-	-	-
MW-7	8/12/1994	98.03	43.35	54.68	30,000	3,800	1,400	1,300	7,500	-	-	-	-	-	-	-	-	-	-
MW-7	12/14/1994	98.03	39.34	58.69	31,000	3,600	1,200	900	6,400	-	-	-	-	-	-	-	-	-	-
MW-7	2/10/1995	98.03	32.11	65.92	27,000	4,000	900	890	5,100	-	-	-	-	-	-	-	-	-	-
MW-7	6/15/1995	98.03	25.51	72.52	17,000	920	680	740	4,100	-	-	-	-	-	-	-	-	-	-
MW-7	9/26/1995	98.03	31.43	66.60	7,000	200	150	170	810	-	-	-	-	-	-	-	-	-	-
MW-7	12/15/1995	98.03	28.97	69.06	11,000	350	170	540	1,900	-	-	-	-	-	-	-	-	-	-
MW-7	3/21/1996	98.03	17.36	80.67	12,000	320	100	730	2,500	-	-	-	-	-	-	-	-	-	-
MW-7	6/13/1996	98.03	23.47	74.56	5,900	98	19	370	620	<50	-	-	-	-	-	-	-	-	-
MW-7	9/16/1996	98.03	31.35	66.68	7,800	140	43	440	590	<25	-	-	-	-	-	-	-	-	-
MW-7	12/2/1996	98.03	27.11	70.92	6,300	87	29	290	430	<50	-	-	-	-	-	-	-	-	-
MW-7	3/7/1997	98.03	21.33	76.70	4,500	35	19	360	470	<25	-	-	-	-	-	-	-	-	-
MW-7	6/12/1997	98.03	29.90	68.13	3,900	29	5.2	170	48	<5.0	-	-	-	-	-	-	-	-	-
MW-7	9/29/1997	98.03	34.37	63.66	6,100	56	9	340	190	<25	-	-	-	-	-	-	-	-	-
MW-7	12/1/1997	98.03	36.46	61.57	6,500	24	<2.5	400	250	<25	-	-	-	-	-	-	-	-	-
MW-7	3/19/1998	98.03	20.33	77.70	2,000	20	<2.5	73	79	<25	-	-	-	-	-	-	-	-	-
MW-7	5/29/1998	98.03	22.30	75.73	5,700	22	7.3	290	350	<25	-	-	-	-	-	-	-	-	-
MW-7	9/15/1998	98.03	32.54	65.49	1,700	15	<2.5	44	5.1	<25	-	-	-	-	-	-	-	-	-

Table 1
Groundwater Analytical Data
Tesoro Site No. 67076
Delta Project No. D004-076

Well	Sample Collection Date	Casing Elevation (msl)	Depth to Water (feet)	Water Table Elevation (msl)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2 DCA (µg/L)	1,2 DBE (µg/L)	Dissolved Oxygen (%)
MW-7	11/30/1998	98.03	37.96	60.07	4,800	42	12	270	640	<25	-	-	-	-	-	-	-	-	-
MW-7	1/17/1999	98.03	31.04	66.99	3,400	33	<5.0	200	190	<50	-	-	-	-	-	-	-	-	-
MW-7	6/10/1999	98.03	29.89	68.14	1,700	7.8	1.5	23	4.1	<5.0	-	-	-	-	-	-	-	-	-
MW-7	9/7/1999	98.03	32.38	65.65	1,900	9.7	2.1	70	2.9	<5.0	-	-	-	-	-	-	-	-	-
MW-7	12/13/1999	98.03	33.98	64.05	1,900	8.0	1.1	10	1.1	<5.0	-	-	-	-	-	-	-	-	-
MW-7	3/13/2000	98.03	27.09	70.94	1,500	7.5	<0.50	6.7	2.9	<5.0	-	-	-	-	-	-	-	-	-
MW-7	6/12/2000	98.03	28.76	69.27	1,200	5.4	<0.50	5.2	1.0	<5.0	-	-	-	-	-	-	-	-	-
MW-7	11/10/2000	98.03	31.54	66.49	1,000	3.9	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-
MW-7	12/31/2000	98.03	32.76	65.27	620	1.8	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-
MW-7	3/27/2001	98.03	30.97	67.06	1,200	4.8	<0.50	6.7	0.94	<0.50	-	-	-	-	-	-	-	-	-
MW-7	6/30/2001	98.03	37.50	60.53	2,800	10	1.7	75	170	<0.50	-	-	-	-	-	-	-	-	-
MW-7	9/26/2001	98.03	45.11	52.92	1,900	16	0.89	2.3	25	<0.50	-	-	-	-	-	-	-	-	-
MW-7	12/18/2001	98.03	41.13	56.90	3,000	13	0.88	3.4	3.4	<0.50	-	-	-	-	-	-	-	-	-
MW-7	1/22/2002	481.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	3/18/2002	481.61	39.22	442.39	3,100	7.3	1.5	38	110	<0.50	-	-	-	-	-	-	-	-	-
MW-7	6/5/2002	481.61	36.55	445.06	1,800	7.6	1.0	39	20	<0.50	-	-	-	-	-	-	-	-	-
MW-7	8/21/2002	481.61	36.81	444.80	3,300	7.6	0.7	85	36	<0.50	-	-	-	-	-	-	-	-	-
MW-7	12/3/2002	481.61	36.52	445.09	1,700	5.4	<0.50	15	5.5	<0.50	-	-	-	-	-	-	-	-	-
MW-7	3/4/2003	481.61	32.60	449.01	440	1.8	<0.50	0.54	2.9	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-7	6/10/2003	481.61	31.33	450.28	550	0.8	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-7	9/9/2003	481.61	34.71	446.90	120	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-7	12/23/2003	481.61	30.80	450.81	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-7	3/23/2004	481.61	26.41	455.20	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-7	5/10/2004	481.61	29.86	451.75	67	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-7	8/4/2004	481.61	34.06	447.55	2,600	2.5	<0.50	36	31	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-7	11/4/2004	481.61	34.12	447.49	1,600	2.0	<0.50	16	16	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-7	1/12/2005	481.61	28.83	452.78	830	1.6	<0.50	15	12	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-7	**5/2/2005**	**481.61**	**24.66**	**456.95**	**710**	**<0.50**	**<0.50**	**0.75**	**0.52**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<50**	**<5.0**	**<0.50**	**<0.50**	**0.4**
MW-8[A]	9/5/2003	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-
MW-8	12/23/2003	474.25	32.01	442.24	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	7.3	<0.50	<0.50	-
MW-8	3/23/2004	474.25	28.50	445.75	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-8	5/10/2004	474.25	31.44	442.81	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-8	8/4/2004	474.25	35.11	439.14	<50	<0.50	<0.50	<0.50	0.86	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-8	11/4/2004	474.25	34.77	439.48	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-8	1/12/2005	474.25	29.66	444.59	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-8	**5/2/2005**	**474.25**	**25.91**	**448.34**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<50**	**<5.0**	**<0.50**	**<0.50**	**1.0**

Table 1
Groundwater Analytical Data
Tesoro Site No. 67076
Delta Project No. D004-076

Well	Sample Collection Date	Casing Elevation (msl)	Depth to Water (feet)	Water Table Elevation (msl)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2 DCA (µg/L)	1,2 DBE (µg/L)	Dissolved Oxygen (%)
MW-9[A]	9/5/2003	-	-	-	3,400	23	1.5	110	10	10	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-
MW-9	12/23/2003	473.85	34.03	439.82	1,100	2.4	<0.50	0.8	0.8	2.1	<0.50	<0.50	<0.50	5.9	<50	<5.0	<0.50	<0.50	-
MW-9	3/23/2004	473.85	30.01	443.84	760	8.5	<0.50	4.9	0.95	18	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-9	5/10/2004	473.85	33.61	440.24	1,100	4.4	<0.50	1.3	0.67	11	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-9	8/4/2004	473.85	37.47	436.38	1,200	3.4	0.59	16	7.6	6.1	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-9	11/4/2004	473.85	37.44	436.41	610	0.52	<0.50	1.3	<0.50	2.0	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-9	1/12/2005	473.85	--	--	1,400	1.6	0.55	5.5	1.1	2.4	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-9	**5/2/2005**	**473.85**	**27.73**	**446.12**	**1,500**	**10**	**0.55**	**6.7**	**1.1**	**27**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<50**	**<5.0**	**<0.50**	**<0.50**	**0.1**
MW-10[A]	9/5/2003		33.80	-	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-	-	-
MW-10	12/23/2003	474.70	33.80	440.90	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-10	3/23/2004	474.70	28.68	446.02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-10	5/10/2004	474.70	32.15	442.55	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-10	8/4/2004	474.70	36.40	438.30	<50	<0.50	<0.50	<0.50	0.61	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-10	11/4/2004	474.70	36.21	438.49	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-10	1/12/2005	474.70	31.64	443.06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
MW-10	**5/2/2005**	**474.70**	**27.01**	**447.69**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<50**	**<5.0**	**<0.50**	**<0.50**	**2.3**
VW-2	8/4/2004	--	34.13	--	5,700	480	<20	600	<20	12,000	<20	<20	110	<90	<2,000	<200	<20	<20	-
VW-2	11/4/2004	--	34.75	--	5,800	340	<20	38	<20	10,000	<20	<20	120	<90	<2,000	<200	<20	<20	-
VW-2	1/12/2005	--	29.35	--	3,800	210	<5.0	90	54	2,900	<5.0	<5.0	33	26[B]	<500	<50	<5.0	<5.0	-
VW-2	**5/2/2005**	--	**25.34**	--	**2,600**	**84**	**<2.0**	**13**	**7.0**	**960**	**<2.0**	**<2.0**	**12**	**57**	**<500**	**<20**	**<2.0**	**<2.0**	-
VW-3	8/4/2004	--	32.89	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
VW-3	11/4/2004	--	34.78	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
VW-3	1/12/2005	--	29.51	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50	-
VW-3	**5/2/2005**	--	**24.79**	--	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<50**	**<5.0**	**<0.50**	**<0.50**	-
MW-A	1/17/1999	-	30.13	-	5,800	1,700	85	65	320	<5.0	-	-	-	-	-	-	-	-	-
MW-A	6/10/1999	Well abandoned																	
MW-B	1/17/1999	-	30.29	-	4,400	240	30	21	39	<5.0	-	-	-	-	-	-	-	-	-
MW-B	6/10/1999	Well abandoned																	
MW-C	1/17/1999	-	30.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-C	6/10/1999	Well abandoned																	
MW-D	1/17/1999	-	31.32	-	5,600	1,600	130	66	220	<5.0	-	-	-	-	-	-	-	-	-
MW-D	6/10/1999	Well abandoned																	

Table 1
Groundwater Analytical Data
Tesoro Site No. 67076
Delta Project No. D004-076

Well	Sample Collection Date	Casing Elevation (msl)	Depth to Water (feet)	Water Table Elevation (msl)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	1,2 DCA (µg/L)	1,2 DBE (µg/L)	Dissolved Oxygen (%)
MW-E	1/17/1999	-	31.36	-	5,700	1,600	180	180	310	<50	-	-	-	-	-	-	-	-	-
MW-E	6/10/1999	-	-	-	5,000	1,300	130	320	450	<25	-	-	-	-	-	-	-	-	-
MW-E	9/7/1999	Well abandoned																	
MW-W	1/17/1999	-	30.91	-	23,000	7,600	760	1,400	5,000	<50	-	-	-	-	-	-	-	-	-
MW-W	6/10/1999	-	-	-	16,000	4,100	420	1,300	4,000	<50	-	-	-	-	-	-	-	-	-
MW-W	9/7/1999	Well abandoned																	

Explanations:

msl = mean seal level
(µg/L) = micrograms per liter
- = not measured / not analyzed
< = not detected at or above the stated laboratory reporting limit
TPHg = Total petroleum hydrocarbons in the gasoline rante
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
TBA = Tertiary butyl alcohol
1,2-DCA = Dichloroethane
1,2-DBE = 1,2-Dibromoethane
DRY = Insufficient water to sample
A = Wells MW-8, 9, and 10 surveyed by Virgil Chavez Land Surveying October 3, 2003. Chavez converted vertical survey data from NGVD 29 to NAVD 88 August 18, 2004.
B = TBA results may be biased slightly high. A fraction of MTBE (typically less than 10%) converts to TBA during the analysis of water samples. This conversion effect is considered to be mathematically significant in samples that contain MTBE/TBA ratios of over 20:1.

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc

Sample ID# MW-1 Project Name: Tesoro 67076 Project No. 5004-0

Location (address) 1619 W. First St. Livermore, CA

Date Sampled: 5 / 2 / 05 Time: _____

Wellhead assembly condition: X Good _____ Fair _____ Poor (If poor, see comments)

Equipment Replaced: _____ bolts _____ locks _____ locking cap

Well Depth 54 ft below top of casing Casing diameter 4 inch

Depth to water (below top of casing) 24.87 ft. Date: 5 / 2 / 05 Time _____

Well Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

Purging method: X Submersible pump _____ Bailer _____ Centrifugal pump _____ Other _____

At least 3 well volumes have been evacuated before sampling.

Tubing (type: _____). (new or previously used) was used to purge well

Sampling method: X Disposable bailer _____ Sampling port

Samples collected 3 Sample appearance _____

Note any sampling problems _____

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umnos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from We (gallons)
2:50	24.3	7.43	711		
3:05	21.8	7.43	934		1
3:20	21.1	7.43	845		29
					54

Comments: DO = 0.9

ORP = 114

Transportation (thermal preservation) _____

Form completed by: _____ Sampled by: _____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc

Sample ID# MW-2 Project Name: Tesoro 67076 Project No. 5004-07

Location (address) 1619 W. First St. Livermore, CA

Date Sampled: 5 / 2 / 05 Time: _____

Wellhead assembly condition: X Good _____ Fair _____ Poor (If poor, see comments)

Equipment Replaced: _____ bolts _____ locks _____ locking cap

Well Depth 54 ft below top of casing Casing diameter 4 inche

Depth to water (below top of casing) 25.61 ft. Date: 5 / 2 / 05 Time _____

Well Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

Purging method: X Submersible pump _____ Bailer _____ Centrifugal pump _____ Other _____

At least 3 well volumes have been evacuated before sampling.

Tubing (type: _____). (new or previously used) was used to purge well

Sampling method: X Disposable bailer _____ Sampling port

Samples collected 3 Sample appearance _____

Note any sampling problems _____

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umnos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from We (gallons)
12:42	22.4	7.29	1062		1
12:58	22.0	7.43	1005		25
1:14	22.0	7.10	1013		56

Comments: DO = 0.4 Strong Odor

ORP = -95

Transportation (thermal preservation) _____

Form completed by: _____ Sampled by: _____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc

Sample ID# MW-3 Project Name: Tesoro 67076 Project No. 5004-07

Location (address) 1619 W. First St. Livermore, CA

Date Sampled: 5 / 2 / 05 Time: _____

Wellhead assembly condition: X Good _____ Fair _____ Poor (If poor, see comments)

Equipment Replaced: _____ bolts _____ locks _____ locking cap

Well Depth 53 ft below top of casing Casing diameter 4 inche

Depth to water (below top of casing) 24.56 ft. Date: 5 / 2 / 05 Time _____

Well Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

Purging method: X Submersible pump _____ Bailer _____ Centrifugal pump _____ Other _____

At least 3 well volumes have been evacuated before sampling.

Tubing (type: _____). (new or previously used) was used to purge well

Sampling method: X Disposable bailer _____ Sampling port

Samples collected 3 Sample appearance _____

Note any sampling problems _____

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umnos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from We (gallons)
3:35	22.4	7.43	995		1
3:50	21.8	7.43	982		28
4:05	21.7	7.43	975		56

Comments: DO = 0.8

ORP = 180

Transportation (thermal preservation) _____

Form completed by: _____ Sampled by: _____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc

Sample ID# MW-4 Project Name: Tesoro 67076 Project No. 3004-07

Location (address) 1619 W. First St. Livermore, CA

Date Sampled: 5 / 2 / 05 Time: _____

Wellhead assembly condition: X Good _____ Fair _____ Poor (If poor, see comments)

Equipment Replaced: _____ bolts _____ locks _____ locking cap

Well Depth 47 ft below top of casing Casing diameter 2 inche

Depth to water (below top of casing) 24.46 ft. Date: 5 / 2 / 05 Time _____

Well Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

Purging method: X Submersible pump _____ Bailer _____ Centrifugal pump _____ Other _____

At least 3 well volumes have been evacuated before sampling.

Tubing (type: _____). (new or previously used) was used to purge well

Sampling method: X Disposable bailer _____ Sampling port

Samples collected 3 Sample appearance _____

Note any sampling problems _____

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umnos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from We (gallons)
2:17	24.0	7.56	1089		1
2:20	22.0	7.42	1061		6
2:23	21.8	7.35	1060		12

Comments: DO = 1.0

ORP = 114

Transportation (thermal preservation) _____

Form completed by: _____ Sampled by: _____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

Sample ID# MW-5 Project Name: Tesoro 67076 Project No. D004-0

Location (address) 1619 W. First St. Livermore, CA

Date Sampled: 5 / 2 / 05 Time: _____

Wellhead assembly condition: X Good _____ Fair _____ Poor (If poor, see comments)

Equipment Replaced: _____ bolts _____ locks _____ locking cap

Well Depth 47 ft below top of casing Casing diameter 2 inche

Depth to water (below top of casing) 25.31 ft. Date: 5 / 2 / 05 Time _____

Well Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

Purging method: X Submersible pump _____ Bailer _____ Centrifugal pump _____ Other _____

At least 3 well volumes have been evacuated before sampling.

Tubing (type: _____). (new or previously used) was used to purge well

Sampling method: X Disposable bailer _____ Sampling port

Samples collected 3 Sample appearance _____

Note any sampling problems _____

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umnos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from W (gallons)
9:38	21.2	7.24	1057		1
9:41	20.9	7.03	1047		6
9:44	21.0	6.98	1077		12

Comments: _____

DO 2.8

ORP 130

Transportation (thermal preservation) _____

Form completed by: _____ Sampled by: _____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc

Sample ID# MW-6 Project Name: Tesoro 67076 Project No. D004-07

Location (address) 1619 W. First St. Livermore, CA

Date Sampled: 5 / 2 / 05 Time: _____

Wellhead assembly condition: X Good _____ Fair _____ Poor (If poor, see comments)

Equipment Replaced: _____ bolts _____ locks _____ locking cap

Well Depth 47 ft below top of casing Casing diameter 2 inche

Depth to water (below top of casing) 27.30 ft. Date: 5 / 2 / 05 Time _____

Well Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

Purging method: X Submersible pump _____ Bailer _____ Centrifugal pump _____ Other _____

At least 3 well volumes have been evacuated before sampling.

Tubing (type: _____). (new or previously used) was used to purge well

Sampling method: X Disposable bailer _____ Sampling port

Samples collected 3 Sample appearance _____

Note any sampling problems _____

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umnos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from We (gallons)
12:07	24.4	6.84	1233		1
12:10	22.7	6.92	1207		5
12:13	22.8	7.43	1201		10

Comments: _____

DO = 0.4

ORP = -94

Transportation (thermal preservation) _____

Form completed by: _____ Sampled by: _____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc

Sample ID# MW-7 Project Name: Tesoro 67076 Project No. 7004-07

Location (address) 1619 W. First St. Livermore, CA

Date Sampled: 5/2/05 Time: _____

Wellhead assembly condition: X Good _____ Fair _____ Poor (If poor, see comments)

Equipment Replaced: _____ bolts _____ locks _____ locking cap

Well Depth 47 ft below top of casing Casing diameter 2 inche

Depth to water (below top of casing) 24.66 ft. Date: 5/2/05 Time _____

Well Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

Purging method: X Submersible pump _____ Bailer _____ Centrifugal pump _____ Other _____

At least 3 well volumes have been evacuated before sampling.

Tubing (type: _____). (new or previously used) was used to purge well

Sampling method: X Disposable bailer _____ Sampling port

Samples collected 3 Sample appearance _____

Note any sampling problems _____

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umnos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from We (gallons)
10:51	25.1	7.33	1018		1
10:54	22.7	7.27	1024		6
10:57	22.2	7.43	1007		12

Comments: DO = 0.4

ORP = 26

Transportation (thermal preservation) _____

Form completed by: _____ Sampled by: _____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc

Sample ID# MW-8 Project Name: Tesoro 67076 Project No. D004-07

Location (address) 1619 W. First St. Livermore, CA

Date Sampled: 5 / 2 / 05 Time: _____

Wellhead assembly condition: X Good _____ Fair _____ Poor (If poor, see comments)

Equipment Replaced: _____ bolts _____ locks _____ locking cap

Well Depth 45 ft below top of casing Casing diameter 2 inche

Depth to water (below top of casing) 25.91 ft. Date: 5 / 2 / 05 Time _____

Well Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

Purging method: X Submersible pump _____ Bailer _____ Centrifugal pump _____ Other _____

At least 3 well volumes have been evacuated before sampling.

Tubing (type: _____). (new or previously used) was used to purge well

Sampling method: X Disposable bailer _____ Sampling port

Samples collected 3 Sample appearance _____

Note any sampling problems _____

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umnos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from We (gallons)
10:15	24.1	7.54	1010		1
10:18	22.6	7.30	1028		5
10:21	22.4	7.29	1016		10

Comments: _____

DO 1.0

ORP 154

Transportation (thermal preservation) _____

Form completed by: _____ Sampled by: _____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

Sample ID# MW-9 Project Name: Tesoro 67076 Project No. 5004-07

Location (address) 1619 W. First St. Livermore, CA

Date Sampled: 5/2/05 Time: _____

Wellhead assembly condition: X Good _____ Fair _____ Poor (If poor, see comments)

Equipment Replaced: _____ bolts _____ locks _____ locking cap

Well Depth 45 ft below top of casing Casing diameter 2 inche

Depth to water (below top of casing) 27.73 ft. Date: 5/2/05 Time _____

Well Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

Purging method: X Submersible pump _____ Bailer _____ Centrifugal pump _____ Other _____

At least 3 well volumes have been evacuated before sampling.

Tubing (type: _____). (new or previously used) was used to purge well

Sampling method: X Disposable bailer _____ Sampling port

Samples collected 3 Sample appearance _____

Note any sampling problems _____

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umnos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from We (gallons)
11:35	22.8	7.24	1203		1
11:38	22.3	7.16	1207		5
11:41	22.5	7.13	1105		10

Comments: _____

DO : 0.1

ORP: - 8

Transportation (thermal preservation) _____

Form completed by: _____ Sampled by: _____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

Sample ID# MW-10 Project Name: Tesoro 67076 Project No. D004-07

Location (address) 1619 W. First St. Livermore, CA

Date Sampled: 5 / 2 / 05 Time: _____

Wellhead assembly condition: X Good _____ Fair _____ Poor (If poor, see comments)

Equipment Replaced: _____ bolts _____ locks _____ locking cap

Well Depth 45 ft below top of casing Casing diameter 2 inche

Depth to water (below top of casing) 27.01 ft. Date: _____ / _____ / _____ Time _____

Well Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

Purging method: X Submersible pump _____ Bailer _____ Centrifugal pump _____ Other _____

At least 3 well volumes have been evacuated before sampling.

Tubing (type: _____). (new or previously used) was used to purge well

Sampling method: X Disposable bailer _____ Sampling port

Samples collected 3 Sample appearance _____

Note any sampling problems _____

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umnos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from W (gallons)
9:00am	20.7	7.64	1335		1
9:03	20.3	7.43	1323		5
9:06	20.9	7.43	1313		10

Comments: _____

DO 2.3

ORP 115

Transportation (thermal preservation) _____

Form completed by: _____ Sampled by: _____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc.

Sample ID# VW-2 Project Name: Tesoro 67076 Project No. 004-07

Location (address) 1619 W. First St. Livermore, CA

Date Sampled: 5/2/05 Time: _____

Wellhead assembly condition: X Good _____ Fair _____ Poor (If poor, see comments)

Equipment Replaced: _____ bolts _____ locks _____ locking cap

Well Depth _____ ft below top of casing Casing diameter 2 inche

Depth to water (below top of casing) 25.34 ft. Date: 5/2/05 Time _____

Well Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

Purging method: _____ Submersible pump _____ Bailer _____ Centrifugal pump _____ Other _____

At least _____ well volumes have been evacuated before sampling.

Tubing (type: _____). (new or previously used) was used to purge well

Sampling method: X Disposable bailer _____ Sampling port

Samples collected 3 Sample appearance _____

Note any sampling problems Grab Sample

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umnos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from We (gallons)

Comments: _____

Transportation (thermal preservation) _____

Form completed by: _____ Sampled by: _____

SAMPLING INFORMATION SHEET

Delta Environmental Consultants, Inc

Sample ID# VW-3 Project Name: Tosco 67076

Location (address) 1619 W. First St. Livermore, CA Project No. 5004-0

Date Sampled: 5 / 2 / 05 Time: _____

Wellhead assembly condition: _____ Good _____ Fair _____ Poor (If poor, see comments)

Equipment Replaced: _____ bolts _____ locks _____ locking cap

Well Depth _____ ft below top of casing Casing diameter 2 inche

Depth to water (below top of casing) 24.79 ft. Date: 5 / 2 / 05 Time _____

Well Casing Volume Multiplier: 0.16 for 2", 0.65 for 4", 1.47 for 6"

Purging method: _____ Submersible pump _____ Bailer _____ Centrifugal pump _____ Other _____

At least _____ well volumes have been evacuated before sampling.

Tubing (type: _____). (new or previously used) was used to purge well

Sampling method: X Disposable bailer _____ Sampling port

Samples collected 3 Sample appearance _____

Note any sampling problems Grab Sample

GROUND WATER EVACUATION/STABILIZATION DATA

Time	Temperature (°F)	pH Units	Conductance (umnos/cm)	Water Level (Nearest 0.01 ft)	Cumulative Volume of Water Removed from We (gallons)

Comments: _____

Transportation (thermal preservation) _____

Form completed by: _____ Sampled by: _____

KIFF ANALYTICAL LLC

Report Number : 43537
Date : 05/09/2005

Scott Graham
Delta Environmental Consultants, Inc.
3164 Gold Camp Drive, Suite 200
Rancho Cordova, CA 95670

Subject : 12 Water Samples
Project Name : Tesoro 67076
Project Number : D004-076

Dear Mr. Graham,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 43537
Date : 05/09/2005

Subject : 12 Water Samples
Project Name : Tesoro 67076
Project Number : D004-076

Case Narrative

The Method Reporting Limit for Methanol has been increased due to the presence of an interfering compound for samples MW-6 and VW-2.

Tert-Butanol results for sample MW-6 may be biased slightly high and are flagged with a 'J'. A fraction of MtBE (typically less than 1%) converts to Tert-Butanol during the analysis of water samples. We consider this conversion effect to be mathematically significant in samples that contain MtBE/Tert-Butanol in ratios of over 20:1.

Matrix Spike/Matrix Spike Duplicate Results associated with sample MW-2 for the analyte Tert-Butanol were affected by the analyte concentrations already present in the un-spiked sample.

Approved By: Joe Kiff

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 43537
Date : 05/09/2005

Project Name : **Tesoro 67076**
Project Number : **D004-076**

Sample : **MW-1** Matrix : Water Lab Number : 43537-01
Sample Date :05/02/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.80**	0.50	ug/L	EPA 8260B	05/04/2005
Toluene	**0.70**	0.50	ug/L	EPA 8260B	05/04/2005
Ethylbenzene	**0.86**	0.50	ug/L	EPA 8260B	05/04/2005
Total Xylenes	**2.4**	0.50	ug/L	EPA 8260B	05/04/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	05/04/2005
Methanol	**< 50**	50	ug/L	EPA 8260B	05/04/2005
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	05/04/2005
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
TPH as Gasoline	**78**	50	ug/L	EPA 8260B	05/04/2005
Toluene - d8 (Surr)	98.6		% Recovery	EPA 8260B	05/04/2005
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	05/04/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 43537
Date : 05/09/2005

Project Name : **Tesoro 67076**
Project Number : **D004-076**

Sample : **MW-2** Matrix : Water Lab Number : 43537-02

Sample Date :05/02/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**5200**	20	ug/L	EPA 8260B	05/06/2005
Toluene	**1100**	20	ug/L	EPA 8260B	05/06/2005
Ethylbenzene	**1800**	20	ug/L	EPA 8260B	05/06/2005
Total Xylenes	**4800**	20	ug/L	EPA 8260B	05/06/2005
Methyl-t-butyl ether (MTBE)	**2200**	20	ug/L	EPA 8260B	05/06/2005
Diisopropyl ether (DIPE)	**< 20**	20	ug/L	EPA 8260B	05/06/2005
Ethyl-t-butyl ether (ETBE)	**< 20**	20	ug/L	EPA 8260B	05/06/2005
Tert-amyl methyl ether (TAME)	**30**	20	ug/L	EPA 8260B	05/06/2005
Tert-Butanol	**< 200**	200	ug/L	EPA 8260B	05/06/2005
Methanol	**< 2000**	2000	ug/L	EPA 8260B	05/06/2005
Ethanol	**< 200**	200	ug/L	EPA 8260B	05/06/2005
1,2-Dichloroethane	**< 20**	20	ug/L	EPA 8260B	05/06/2005
1,2-Dibromoethane	**< 20**	20	ug/L	EPA 8260B	05/06/2005
TPH as Gasoline	**44000**	2000	ug/L	EPA 8260B	05/06/2005
Toluene - d8 (Surr)	96.1		% Recovery	EPA 8260B	05/06/2005
4-Bromofluorobenzene (Surr)	95.6		% Recovery	EPA 8260B	05/06/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 43537
Date : 05/09/2005

Project Name : **Tesoro 67076**
Project Number : **D004-076**

Sample : **MW-3** Matrix : Water Lab Number : 43537-03
Sample Date :05/02/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Total Xylenes	**0.81**	0.50	ug/L	EPA 8260B	05/04/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	05/04/2005
Methanol	**< 50**	50	ug/L	EPA 8260B	05/04/2005
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	05/04/2005
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
TPH as Gasoline	**140**	50	ug/L	EPA 8260B	05/04/2005
Toluene - d8 (Surr)	98.4		% Recovery	EPA 8260B	05/04/2005
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	05/04/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 43537
Date : 05/09/2005

Project Name : **Tesoro 67076**
Project Number : **D004-076**

Sample : **MW-4** Matrix : Water Lab Number : 43537-04

Sample Date :05/02/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1.8**	0.50	ug/L	EPA 8260B	05/04/2005
Toluene	**1.1**	0.50	ug/L	EPA 8260B	05/04/2005
Ethylbenzene	**1.4**	0.50	ug/L	EPA 8260B	05/04/2005
Total Xylenes	**4.4**	0.50	ug/L	EPA 8260B	05/04/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	05/04/2005
Methanol	**< 50**	50	ug/L	EPA 8260B	05/04/2005
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	05/04/2005
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	05/04/2005
Toluene - d8 (Surr)	98.3		% Recovery	EPA 8260B	05/04/2005
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	05/04/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 43537
Date : 05/09/2005

Project Name : **Tesoro 67076**
Project Number : **D004-076**

Sample : **MW-5** Matrix : Water Lab Number : 43537-05
Sample Date :05/02/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	05/04/2005
Methanol	**< 50**	50	ug/L	EPA 8260B	05/04/2005
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	05/04/2005
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
TPH as Gasoline	**120**	50	ug/L	EPA 8260B	05/04/2005
Toluene - d8 (Surr)	98.4		% Recovery	EPA 8260B	05/04/2005
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	05/04/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 43537
Date : 05/09/2005

Project Name : **Tesoro 67076**
Project Number : **D004-076**

Sample : **MW-6** Matrix : Water Lab Number : 43537-06
Sample Date :05/02/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**630**	10	ug/L	EPA 8260B	05/04/2005
Toluene	**22**	10	ug/L	EPA 8260B	05/04/2005
Ethylbenzene	**610**	10	ug/L	EPA 8260B	05/04/2005
Total Xylenes	**920**	10	ug/L	EPA 8260B	05/04/2005
Methyl-t-butyl ether (MTBE)	**4000**	10	ug/L	EPA 8260B	05/04/2005
Diisopropyl ether (DIPE)	**< 10**	10	ug/L	EPA 8260B	05/04/2005
Ethyl-t-butyl ether (ETBE)	**< 10**	10	ug/L	EPA 8260B	05/04/2005
Tert-amyl methyl ether (TAME)	**32**	10	ug/L	EPA 8260B	05/04/2005
Tert-Butanol	**120 J**	100	ug/L	EPA 8260B	05/04/2005
Methanol	**< 3000**	3000	ug/L	EPA 8260B	05/04/2005
Ethanol	**< 100**	100	ug/L	EPA 8260B	05/04/2005
1,2-Dichloroethane	**< 10**	10	ug/L	EPA 8260B	05/04/2005
1,2-Dibromoethane	**< 10**	10	ug/L	EPA 8260B	05/04/2005
TPH as Gasoline	**14000**	1000	ug/L	EPA 8260B	05/04/2005
Toluene - d8 (Surr)	97.4		% Recovery	EPA 8260B	05/04/2005
4-Bromofluorobenzene (Surr)	108		% Recovery	EPA 8260B	05/04/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 43537
Date : 05/09/2005

Project Name : **Tesoro 67076**
Project Number : **D004-076**

Sample : **MW-7** Matrix : Water Lab Number : 43537-07

Sample Date :05/02/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Ethylbenzene	**0.75**	0.50	ug/L	EPA 8260B	05/04/2005
Total Xylenes	**0.52**	0.50	ug/L	EPA 8260B	05/04/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	05/04/2005
Methanol	**< 50**	50	ug/L	EPA 8260B	05/04/2005
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	05/04/2005
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
TPH as Gasoline	**710**	50	ug/L	EPA 8260B	05/04/2005
Toluene - d8 (Surr)	98.4		% Recovery	EPA 8260B	05/04/2005
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	05/04/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 43537
Date : 05/09/2005

Project Name : **Tesoro 67076**
Project Number : **D004-076**

Sample : **MW-8** Matrix : Water Lab Number : 43537-08
Sample Date :05/02/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	05/04/2005
Methanol	**< 50**	50	ug/L	EPA 8260B	05/04/2005
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	05/04/2005
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	05/04/2005
Toluene - d8 (Surr)	99.0		% Recovery	EPA 8260B	05/04/2005
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	05/04/2005

Approved By: Joel Kiff

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KIFF ANALYTICAL LLC

Report Number : 43537
Date : 05/09/2005

Project Name : **Tesoro 67076**
Project Number : **D004-076**

Sample : **MW-9** Matrix : Water Lab Number : 43537-09
Sample Date :05/02/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**10**	0.50	ug/L	EPA 8260B	05/04/2005
Toluene	**0.55**	0.50	ug/L	EPA 8260B	05/04/2005
Ethylbenzene	**6.7**	0.50	ug/L	EPA 8260B	05/04/2005
Total Xylenes	**1.1**	0.50	ug/L	EPA 8260B	05/04/2005
Methyl-t-butyl ether (MTBE)	**27**	0.50	ug/L	EPA 8260B	05/04/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	05/04/2005
Methanol	**< 50**	50	ug/L	EPA 8260B	05/04/2005
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	05/04/2005
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
TPH as Gasoline	**1500**	50	ug/L	EPA 8260B	05/04/2005
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	05/04/2005
4-Bromofluorobenzene (Surr)	91.5		% Recovery	EPA 8260B	05/04/2005

Approved By: Joel Kiff

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KIFF ANALYTICAL LLC

Report Number : 43537
Date : 05/09/2005

Project Name : **Tesoro 67076**
Project Number : **D004-076**

Sample : **MW-10** Matrix : Water Lab Number : 43537-10
Sample Date :05/02/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	05/04/2005
Methanol	**< 50**	50	ug/L	EPA 8260B	05/04/2005
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	05/04/2005
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	05/04/2005
Toluene - d8 (Surr)	93.5		% Recovery	EPA 8260B	05/04/2005
4-Bromofluorobenzene (Surr)	87.9		% Recovery	EPA 8260B	05/04/2005

Approved By: Joel Kiff

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KIFF ANALYTICAL LLC

Report Number : 43537
Date : 05/09/2005

Project Name : **Tesoro 67076**
Project Number : **D004-076**

Sample : **VW-2** Matrix : Water Lab Number : 43537-11

Sample Date :05/02/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**84**	2.0	ug/L	EPA 8260B	05/05/2005
Toluene	**< 2.0**	2.0	ug/L	EPA 8260B	05/05/2005
Ethylbenzene	**13**	2.0	ug/L	EPA 8260B	05/05/2005
Total Xylenes	**7.0**	2.0	ug/L	EPA 8260B	05/05/2005
Methyl-t-butyl ether (MTBE)	**960**	2.0	ug/L	EPA 8260B	05/05/2005
Diisopropyl ether (DIPE)	**< 2.0**	2.0	ug/L	EPA 8260B	05/05/2005
Ethyl-t-butyl ether (ETBE)	**< 2.0**	2.0	ug/L	EPA 8260B	05/05/2005
Tert-amyl methyl ether (TAME)	**12**	2.0	ug/L	EPA 8260B	05/05/2005
Tert-Butanol	**57**	9.0	ug/L	EPA 8260B	05/05/2005
Methanol	**< 500**	500	ug/L	EPA 8260B	05/05/2005
Ethanol	**< 20**	20	ug/L	EPA 8260B	05/05/2005
1,2-Dichloroethane	**< 2.0**	2.0	ug/L	EPA 8260B	05/05/2005
1,2-Dibromoethane	**< 2.0**	2.0	ug/L	EPA 8260B	05/05/2005
TPH as Gasoline	**2600**	200	ug/L	EPA 8260B	05/05/2005
Toluene - d8 (Surr)	96.0		% Recovery	EPA 8260B	05/05/2005
4-Bromofluorobenzene (Surr)	112		% Recovery	EPA 8260B	05/05/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 43537
Date : 05/09/2005

Project Name : **Tesoro 67076**
Project Number : **D004-076**

Sample : **VW-3** Matrix : Water Lab Number : 43537-12
Sample Date :05/02/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	05/04/2005
Methanol	**< 50**	50	ug/L	EPA 8260B	05/04/2005
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	05/04/2005
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	05/04/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	05/04/2005
Toluene - d8 (Surr)	91.8		% Recovery	EPA 8260B	05/04/2005
4-Bromofluorobenzene (Surr)	90.0		% Recovery	EPA 8260B	05/04/2005

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2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 43537

Date : 05/09/2005

QC Report : Method Blank Data

Project Name : **Tesoro 67076**

Project Number : **D004-076**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	05/03/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	05/03/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	05/03/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	05/03/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	05/03/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	05/03/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	05/03/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	05/03/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	05/03/2005
Methanol	< 50	50	ug/L	EPA 8260B	05/03/2005
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	05/03/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	05/03/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	05/03/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	05/03/2005
Toluene - d8 (Surr)	96.2		%	EPA 8260B	05/03/2005
4-Bromofluorobenzene (Surr)	111		%	EPA 8260B	05/03/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	05/04/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	05/04/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	05/04/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	05/04/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	05/04/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	05/04/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	05/04/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	05/04/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	05/04/2005
Methanol	< 50	50	ug/L	EPA 8260B	05/04/2005
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	05/04/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	05/04/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	05/04/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	05/04/2005
Toluene - d8 (Surr)	97.5		%	EPA 8260B	05/04/2005
4-Bromofluorobenzene (Surr)	105		%	EPA 8260B	05/04/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	05/05/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	05/05/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	05/05/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	05/05/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	05/05/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	05/05/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	05/05/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	05/05/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	05/05/2005
Methanol	< 50	50	ug/L	EPA 8260B	05/05/2005
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	05/05/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	05/05/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	05/05/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	05/05/2005
Toluene - d8 (Surr)	96.9		%	EPA 8260B	05/05/2005
4-Bromofluorobenzene (Surr)	108		%	EPA 8260B	05/05/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	05/03/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	05/03/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	05/03/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	05/03/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	05/03/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	05/03/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	05/03/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	05/03/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	05/03/2005
Methanol	< 50	50	ug/L	EPA 8260B	05/03/2005
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	05/03/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	05/03/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	05/03/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	05/03/2005
Toluene - d8 (Surr)	89.1		%	EPA 8260B	05/03/2005
4-Bromofluorobenzene (Surr)	93.4		%	EPA 8260B	05/03/2005

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St. Suite 300 Davis. CA 95616 530-297-4800

Report Number : 43537

Date : 05/09/2005

QC Report : Method Blank Data

Project Name : **Tesoro 67076**

Project Number : **D004-076**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	05/06/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	05/06/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	05/06/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	05/06/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	05/06/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	05/06/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	05/06/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	05/06/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	05/06/2005
Methanol	< 50	50	ug/L	EPA 8260B	05/06/2005
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	05/06/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	05/06/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	05/06/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	05/06/2005
Toluene - d8 (Surr)	98.0		%	EPA 8260B	05/06/2005
4-Bromofluorobenzene (Surr)	91.8		%	EPA 8260B	05/06/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St. Suite 300 Davis. CA 95616 530-297-4800

Report Number : 43537

Date : 05/09/2005

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Tesoro 67076**

Project Number : **D004-076**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	43545-02	<0.50	40.0	40.0	38.7	37.5	ug/L	EPA 8260B	5/3/05	96.7	93.8	3.07	70-130	25
Toluene	43545-02	<0.50	40.0	40.0	38.9	37.3	ug/L	EPA 8260B	5/3/05	97.3	93.4	4.09	70-130	25
Tert-Butanol	43545-02	<5.0	200	200	199	205	ug/L	EPA 8260B	5/3/05	99.5	102	3.09	70-130	25
Methyl-t-Butyl Ether	43545-02	<0.50	40.0	40.0	38.8	38.7	ug/L	EPA 8260B	5/3/05	97.0	96.8	0.219	70-130	25
Benzene	43528-03	<0.50	40.0	40.0	35.6	35.4	ug/L	EPA 8260B	5/4/05	89.0	88.5	0.578	70-130	25
Toluene	43528-03	<0.50	40.0	40.0	35.4	35.2	ug/L	EPA 8260B	5/4/05	88.6	88.0	0.675	70-130	25
Tert-Butanol	43528-03	<5.0	200	200	188	183	ug/L	EPA 8260B	5/4/05	94.0	91.5	2.70	70-130	25
Methyl-t-Butyl Ether	43528-03	<0.50	40.0	40.0	35.6	35.6	ug/L	EPA 8260B	5/4/05	88.9	89.0	0.147	70-130	25
Benzene	43547-12	<0.50	40.0	40.0	38.0	37.4	ug/L	EPA 8260B	5/5/05	95.0	93.6	1.47	70-130	25
Toluene	43547-12	<0.50	40.0	40.0	38.1	37.2	ug/L	EPA 8260B	5/5/05	95.2	93.1	2.21	70-130	25
Tert-Butanol	43547-12	<5.0	200	200	195	194	ug/L	EPA 8260B	5/5/05	97.4	97.1	0.229	70-130	25
Methyl-t-Butyl Ether	43547-12	0.75	40.0	40.0	38.6	38.5	ug/L	EPA 8260B	5/5/05	94.6	94.4	0.122	70-130	25
Benzene	43542-04	<0.50	40.0	40.0	38.8	39.0	ug/L	EPA 8260B	5/3/05	96.9	97.6	0.700	70-130	25
Toluene	43542-04	<0.50	40.0	40.0	41.8	39.5	ug/L	EPA 8260B	5/3/05	104	98.8	5.49	70-130	25
Tert-Butanol	43542-04	<5.0	200	200	196	195	ug/L	EPA 8260B	5/3/05	97.9	97.7	0.249	70-130	25
Methyl-t-Butyl Ether	43542-04	<0.50	40.0	40.0	41.8	39.4	ug/L	EPA 8260B	5/3/05	104	98.4	6.00	70-130	25
Benzene	43601-10	0.90	40.0	40.0	38.9	37.3	ug/L	EPA 8260B	5/6/05	95.0	91.0	4.30	70-130	25
Toluene	43601-10	2.7	40.0	40.0	42.5	40.6	ug/L	EPA 8260B	5/6/05	99.5	94.9	4.71	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 43537

Date : 05/09/2005

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Tesoro 67076**

Project Number : **D004-076**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Tert-Butanol	43601-10	2000	200	200	2260	2170	ug/L	EPA 8260B	5/6/05	115	72.5	45.5	70-130	25
Methyl-t-Butyl Ether	43601-10	140	40.0	40.0	182	182	ug/L	EPA 8260B	5/6/05	107	106	0.663	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 43537

Date : 05/09/2005

QC Report : Laboratory Control Sample (LCS)

Project Name : **Tesoro 67076**

Project Number : **D004-076**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	5/3/05	95.5	70-130
Toluene	40.0	ug/L	EPA 8260B	5/3/05	97.1	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/3/05	100	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/3/05	101	70-130
Benzene	40.0	ug/L	EPA 8260B	5/4/05	92.1	70-130
Toluene	40.0	ug/L	EPA 8260B	5/4/05	93.5	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/4/05	94.3	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/4/05	93.2	70-130
Benzene	40.0	ug/L	EPA 8260B	5/5/05	94.0	70-130
Toluene	40.0	ug/L	EPA 8260B	5/5/05	95.1	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/5/05	99.6	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/5/05	97.2	70-130
Benzene	40.0	ug/L	EPA 8260B	5/3/05	93.5	70-130
Toluene	40.0	ug/L	EPA 8260B	5/3/05	104	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/3/05	96.4	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/3/05	105	70-130
Benzene	40.0	ug/L	EPA 8260B	5/6/05	97.6	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St. Suite 300 Davis, CA 95616 530-297-4800

Report Number : 43537

Date : 05/09/2005

QC Report : Laboratory Control Sample (LCS)

Project Name : **Tesoro 67076**

Project Number : **D004-076**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Toluene	40.0	ug/L	EPA 8260B	5/6/05	101	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/6/05	95.7	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/6/05	92.0	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St. Suite 300, Davis, CA 95616, 530-297-4800

KIFF ANALYTICAL LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Lab No. 43537 Page 1 of 2

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Scott Graham
Company/Address: Delta Environmental
Phone No.: (916) 503-1273 FAX No.: (916) 638-8385
Project Number: D004-076 P.O. No:
Project Name: Tesoro 67076
Project Address: 1619 W. First St. Livermore, CA

California EDF Report? ☒ Yes ☐ No
Recommended but not mandatory to complete this section:
Sampling Company Log Code: - - -
Global ID: - - - - - - - - - - -
EDF Deliverable To (Email Address): jmata@deltaenv.com
Sampler Signature: Jason Mata

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: SLEEVE	Preservative: HCl	Preservative: HNO_3	Preservative: ICE	Preservative: NONE	Matrix: WATER	Matrix: SOIL	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	TAT: 12 hr/24 hr/48 hr/72 hr/1 wk	For Lab Use Only
MW-1	5/2/05		3		X		X		X		X						X			X				X	01
MW-2																									02
MW-3																									03
MW-4																									04
MW-5																									05
MW-6																									06
MW-7																									07
MW-8																									08
MW-9																									09
MW-10																									10

	Date	Time		
Relinquished by: Jason Mata	5/2/05	1842	Received by:	Remarks:
Relinquished by:	Date	Time	Received by:	
Relinquished by:	Date 050205	Time 1842	Received by Laboratory:	Bill to:

Distribution: White - Lab, Pink - Originator

Forms/coc 121001.fh9

KIFF ANALYTICAL LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Lab No. 43537 Page 2 of 2

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Scott Graham
Company/Address: Delta Environmental
Phone No.: (916) 503-1273 FAX No.: (916) 638-8385
Project Number: D004-076 P.O. No:
Project Name: Tesoro 67076
Project Address: 1619 W. First St. Livermore, CA

California EDF Report? ☒ Yes ☐ No

Recommended but not mandatory to complete this section:
Sampling Company Log Code:
Global ID:
EDF Deliverable To (Email Address): jmata@deltaenv.com
Sampler Signature: Jason Mata

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: SLEEVE	Preservative: HCl	Preservative: HNO_3	Preservative: ICE	Preservative: NONE	Matrix: WATER	Matrix: SOIL	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	TAT: 12 hr/24 hr/48 hr/72 hr/(1 wk)	For Lab Use Only
VW-2	5/2/05		X		X		X		X		X						X			X				X	11
VW-3	5/2/05		X		X		X		X		X						X			X				X	12

Relinquished by: Jason Mata	Date 5/2/05	Time 1842	Received by:	Remarks:
Relinquished by:	Date	Time	Received by:	
Relinquished by:	Date 5/2/05	Time 1842	Received by Laboratory: DW TG - Kiff Analytical	Bill to:

Distribution: White - Lab, Pink - Originator

Forms/coc 121001.fh9