A·C·C ENVIRONMENTAL CONSULTANTS

September 19, 2006

The Bank of New York Trust Company, N.A. as Corporate Co-Trustee for
Carpenters Pension Trust Fund for Northern California; Northern California Carpenters PTF, LLC
c/o Ms. Mary Schroeder, McMorgan & Company LLC
One Bush Street, Suite 800
San Francisco, California 94104

RE: Third Quarter 2006 Groundwater Monitoring Report
300 Hegenberger Road, Oakland, California
ACC Project No.6748-017-00

Dear Ms. Schroeder:

Enclosed is the Third Quarter Groundwater Monitoring Report describing the groundwater monitoring activities conducted for all monitoring wells at 300 Hegenberger Road, Oakland, California. ACC recommends that you submit a copy of the report directly to the Alameda County Health Care Services Agency with your cover letter.

Mr. Barney Chan
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

If you have any questions regarding the report, please contact me at (510) 638-8400, ext. 109.

Sincerely,

David R. DeMent, PG, REA II
Environmental Division Manager

/lmb:drd

Enclosures

THIRD QUARTER 2006 GROUNDWATER MONITORING REPORT

Subject Property
300 Hegenberger Road
Oakland, California

ACC Project Number 6748-017-00

Prepared for:

The Bank of New York Trust Company, N.A. as Corporate Co-Trustee for
Carpenters Pension Trust Fund for Northern California; Northern California Carpenters PTF, LLC
c/o Ms. Mary Schroeder, McMorgan & Company LLC
One Bush Street, Suite 800
San Francisco, California 94104

September 19, 2006

Prepared By: _____
Lorena Benitez
Staff Geologist

Reviewed By: _____
David DeMent, PG, REA II
Division Manager / Senior Geologist

REGISTERED GEOLOGIST
DAVID R. DEMENT
NO. 5974
STATE OF CALIFORNIA

Northern California: 7977 Capwell Drive, Suite 100 • Oakland, CA 94621 • (510) 638-8400 • Fax (510) 638-8404
Southern California: 1541 Wilshire Blvd., Suite 516, Los Angeles, CA 90017 • (213) 353-1240 • Fax (213) 353-1244

TABLE OF CONTENTS

Page

1.0 INTRODUCTION 1

2.0 BACKGROUND 1
2.1 Subsurface Conditions 2

3.0 GROUNDWATER MONITORING AND SAMPLING 2
3.1 Groundwater Monitoring 2
3.2 Groundwater Gradient 5
3.3 Groundwater Sampling 6

4.0 RESULTS OF GROUNDWATER SAMPLING 6

5.0 DISCUSSION 9

6.0 CONCLUSIONS 9

7.0 RECOMMENDATIONS 10

8.0 LIMITATIONS 11

TABLES

1 - Groundwater Depth Information 3
2 - Groundwater Gradient and Flow Direction 5
3 - Groundwater Sample Analytical Results 6

FIGURES

1 - Location Map
2 - Site Plan
3 - Groundwater Gradient

APPENDICES

1 – Well Monitoring Worksheets
2 – Analytical Results and Chain of Custody Record

THIRD QUARTER 2006
GROUNDWATER MONITORING REPORT

300 Hegenberger Road
Oakland, California

1.0 INTRODUCTION

This Third Quarter 2006 Groundwater Monitoring Report was prepared by ACC Environmental Consultants, Inc., (ACC) at the request of McMorgan & Company LLC on behalf of The Bank of New York Trust Company, N.A. as Corporate Co-Trustee for Carpenters Pension Trust Fund for Northern California; Northern California Carpenters PTF. Work was performed at the subject property located at 300 Hegenberger Road, Oakland, California (Site). The project objectives were to: 1) measure the groundwater levels in each well and calculate the groundwater elevation, gradient, and flow direction; 2) obtain representative water samples from the seven existing groundwater monitoring wells and analyze the water samples for petroleum hydrocarbon constituents as gasoline and/or diesel; and 3) report the findings.

The general goal of this groundwater monitoring and sampling event was to determine current groundwater conditions, evaluate the changes in concentrations of constituents of concern, and obtain current groundwater quality data to further develop a Conceptual Site Model (CSM).

2.0 BACKGROUND

The Site is located at 300 Hegenberger Road in the southeast corner of the intersection of Hegenberger Road and Hegenberger Loop. The rectangular lot is approximately 250 feet long by 200 feet wide and is approximately 9 feet above mean sea level.

The available data indicate that a series of subsurface investigations have been conducted at the Site since 1997. A site assessment in April 1997 indicated the presence of petroleum hydrocarbons in soils and groundwater beneath the Site but no reportable concentrations of methyl tertiary butyl ether (MTBE). A subsequent investigation conducted in July and October 1997 confirmed previous investigation findings and that no underground storage tanks (USTs) remained at the Site.

Tetra Tech EM Inc. (Tetra Tech) installed five 2-inch-diameter groundwater monitoring wells in November 1998. The five monitoring wells were screened from 5 to 20 feet below ground surface (bgs). Well MW-1 was subsequently destroyed in December 1999 and well MW-6 was installed in the estimated downgradient direction of the former waste oil tank. Well MW-6 was screened from 10 to 20 feet bgs. In December 2000, Tetra Tech installed offsite wells MW-7 and MW-8 estimated to be in the downgradient direction of the Site. Wells MW-7 and MW-8 were screened from 5 to 20 feet bgs. Groundwater monitoring was performed periodically from December 1998 to October 2001 in the existing wells.

Tetra Tech reported the findings of a Sensitive Receptor Survey in its March 8, 2001 *Fourth Quarter Groundwater Monitoring Report, December 2000*. According to the California Department of Water resources, 40 monitoring wells and two irrigation wells were located at 11 sites within the search distance. One irrigation well is reportedly located approximately 500 feet

cross gradient from the Site and a second irrigation well is located approximately 2,800 feet crossgradient of the Site.

2.1 Subsurface Conditions

Soil boring logs from wells MW-7 and MW-8, included in the March 8, 2001 *Fourth Quarter Groundwater Monitoring Report, December 2000*, indicate that clay and silty clay is present from the surface to the minimum depth of 11.5 feet bgs and sandy gravels and sands are present from approximately 12 to 15 feet bgs to 20.5 feet bgs, the total depth of the soil borings. Silty clays logged at 10 to 10.5 feet bgs are described as dry to moist, medium plasticity, and medium stiff. Sandy gravels logged from 15 to 16 feet bgs are described as saturated, coarse to fine grained sand, and fine to medium grained gravel.

The data summarized in the soil boring logs directly contradicts other conclusions presented in the March 8, 2001 *Fourth Quarter Groundwater Monitoring Report, December 2000.* In the *Subsurface Soil Conditions and Hydrology* section of the report, Tetra Tech states that "Groundwater is usually encountered within five feet bgs," and in the *Preferential Pathways* section "the utility trenches may act as preferential pathways and could allow for movement of petroleum hydrocarbons to the north and west beyond the site." Saturated permeable soils are not logged shallower than 12 feet bgs. Utility trenches in the vicinity of the Site likely exist no deeper than seven feet bgs, therefore, interception or preferential movement of groundwater along utility trenches is highly unlikely. Groundwater elevations are typically measured approximately 5 feet bgs in the monitoring wells due to semi-confined aquifer conditions.

3.0 GROUNDWATER MONITORING AND SAMPLING

ACC conducted groundwater monitoring on August 17, 2006. Work at the Site included measuring depth to water, subjectively evaluating groundwater in the wells, purging and sampling the wells, and submitting the samples to a state-certified laboratory for analysis.

3.1 Groundwater Monitoring

Before groundwater sampling, the depth to the surface of the water table was measured from the top of the polyvinyl chloride well casing using a Solinst water level meter. Well elevation data reported by Tetra Tech indicate the groundwater monitoring wells were resurveyed relative to mean sea level in December 2000. ACC measured depth to water using an electronic Solinst meter and the water level measurements were recorded to the nearest 0.01 foot. Information regarding well elevations and groundwater depths is summarized in Table 1.

TABLE 1 - GROUNDWATER DEPTH INFORMATION

Well No.	Date Sampled	Well Elevation[1] (above MSL)	Depth to Groundwater	Groundwater Elevation
MW-1	12/02/98	100.74	2.90	97.84
	03/08/99		3.43	97.31
	07/01/99		3.81	96.93
	08/18/99		3.62	97.12
	09/15/99		3.69	97.05
	12/27/99		3.81	96.93
	12/99		Well Destroyed	Well Destroyed
MW-2	12/02/98	102.44	4.61	97.83
	03/08/99		5.16	97.28
	07/01/99		5.91	96.53
	08/18/99		5.53	96.91
	09/15/99		5.55	96.89
	12/27/99		5.55	96.89
	03/24/00		5.44	97.00
	06/09/00		---	FP
	12/14/00	9.05[2]	5.00	4.05
	05/07/01		5.69	3.36
	10/04/01		5.60	3.45
	02/09/05		5.00	4.05
	05/16/05		3.98	5.07
	11/16/05		5.23	3.82
	02/09/06		4.77	4.28
	05/19/06		5.51	3.54
	08/17/06		5.32	3.73
MW-3	12/02/98	102.00	4.24	97.76
	03/08/99		4.90	97.10
	07/01/99		5.35	96.65
	08/18/99		5.21	96.79
	09/15/99		5.26	96.74
	12/27/99		5.42	96.58
	03/24/00		5.81	96.19
	06/09/00		5.43	96.57
	12/14/00	8.60[2]	4.85	3.75
	05/07/01		5.37	3.23
	10/04/01		5.27	3.33
	02/09/05		4.45	4.15
	05/16/05		3.81	4.79
	11/16/05		4.90	3.70
	02/09/06		4.41	4.19
	05/19/06		5.35	3.25
	08/17/06		4.10	4.50
MW-4	12/02/98	100.00	2.20	97.80
	03/08/99		2.80	97.20
	07/01/99		5.23	64.77
	08/18/99		5.00	95.00
	09/15/99		4.99	95.01
	12/27/99		5.23	94.77
	03/24/00		5.39	94.61
	06/09/00		5.24	94.76
	12/14/00	8.50[2]	4.60	3.90

Well No.	Date Sampled	Well Elevation[1] (above MSL)	Depth to Groundwater	Groundwater Elevation
MW-4	05/07/01		5.20	3.30
cont	10/04/01		5.08	3.42
	02/09/05		4.45	4.05
	05/16/05		3.98	4.52
	11/16/05		4.72	3.78
	02/09/06		4.24	4.26
	05/19/06		5.02	3.48
	08/17/06		5.76	2.74
MW-5	12/02/98	102.22	4.59	97.63
	03/08/99		5.20	97.02
	07/01/99		5.59	96.63
	08/18/99		5.37	96.85
	09/15/99		5.55	96.67
	12/27/99		5.48	96.74
	03/24/00		6.02	96.20
	06/09/00		5.59	96.63
	12/14/00	8.84[2]	5.10	3.74
	05/07/01		5.52	3.32
	10/04/01		5.45	3.39
	02/09/05		4.90	3.94
	05/16/05		3.92	4.92
	11/16/05		5.10	3.74
	02/09/06		4.60	4.24
	05/19/06		4.35	4.49
	08/17/06		4.16	4.68
MW-6	03/24/00	102.58	5.49	97.09
	06/09/00		5.87	96.71
	12/14/00	9.19[2]	5.13	4.06
	05/07/01		5.89	3.30
	10/04/01		5.71	3.48
	02/09/05		5.20	3.99
	05/16/05		3.98	5.21
	11/16/05		5.34	3.85
	02/09/06		4.92	4.27
	05/19/06		5.71	3.48
	08/17/06		5.41	3.78
MW-7	12/14/00	8.10[2]	3.48	4.62
	05/07/01		5.13	2.97
	10/04/01		4.87	3.23
	02/09/05		4.15	3.95
	05/16/05		3.79	4.31
	11/16/05		4.55	3.55
	02/09/06		4.92	3.18
	05/19/06		---	---
	08/17/06		4.61	3.49

Well No.	Date Sampled	Well Elevation[1] (above MSL)	Depth to Groundwater	Groundwater Elevation
MW-8	12/14/00	8.68[2]	5.10	3.58
	05/07/01		5.74	2.94
	10/04/01		5.52	3.16
	02/09/05		4.80	3.88
	05/16/05		3.41	5.27
	11/16/05		5.28	3.40
	02/09/06		4.58	4.10
	05/19/06		---	---
	08/17/06		5.12	3.56

Notes: All measurements in feet
[1]Well elevation measured to top of casing
[2]Well elevation relative to established City of Oakland Benchmark (feet above sea level)

3.2 Groundwater Gradient

The calculated groundwater flow direction and gradient, as determined from monitoring well data obtained on August 17, 2006, is illustrated on Figure 3. The calculated groundwater gradient averaged 0.008 foot per foot to the northwest. Historical groundwater gradients and calculated flow directions are summarized in Table 2.

TABLE 2 – GROUNDWATER GRADIENT AND FLOW DIRECTION

Date Monitored	Gradient (foot/foot)	Direction
12/02/98	0.00091	West
03/08/99	0.00086	Southwest
07/01/99	0.0011	Southwest
08/18/99	0.0013	West
09/15/99	0.04089[1] 0.00125[5]	North[1] West
12/27/99	0.0010[5] 0.0489[1]	West[5] North[1]
03/29/00	0.0469[1] 0.0131[2]	Northwest West-Southwest
06/09/00	0.03[3] 0.0011[2]	North South-southwest
12/14/00	0.003[1] 0.006[4]	North North
05/07/01	0.0014 0.0025[6]	Northwest Northwest
10/04/01	0.0013 0.001[6]	Northwest Northwest
02/09/05	0.001	Southwest
05/16/05	0.004	West-Northwest
11/16/05	0.002	Northwest
02/09/06	0.001	Northwest
05/19/06	0.003	Northwest
08/17/06	0.008[7]	Northwest

Notes: [1] Flow component from MW-2 to MW-4

(2) *Flow component from MW-6 to area of MW-5*
(3) *Flow component from MW-2, MW-3, and MW-4 and from MW-6 to MW-4*
(4) *Flow component from MW-7 to MW-8*
(5) *Flow component among wells MW-2, MW-3, and MW-5*
(6) *Flow component from MW-3 to MW-7*
(7) *Flow component among wells MW-3, MW-5, MW-7, and MW-8*

3.3 Groundwater Sampling

Before groundwater sampling, each well was purged using a disposable polyethylene bailer. Groundwater samples were collected after four well casing volumes of water were measured for temperature and dissolved oxygen (DO), and removed. Following purging, each well was allowed to recharge before sampling. When recovery to 80 percent of the static water level was observed, a sample was collected for analysis. Groundwater conditions monitored during purging and sampling were recorded on monitoring well worksheets, included as Appendix 1.

Wells were sampled using disposable polyethylene bailers attached to a new rope for each well. From each monitoring well, approved, laboratory-supplied sample vials were filled to overflowing and sealed to eliminate trapped air in the vial. Once filled, sample vials were inverted and tapped to test for air bubbles. Sample containers were labeled with self adhesive, preprinted tags. The samples were stored in a pre-chilled, insulated container pending delivery to Curtis & Tompkins, a state-certified analytical laboratory, for analysis.

Water purged during the development and sampling of the monitoring wells was temporarily stored onsite in Department of Transportation approved 55-gallon drums pending laboratory analysis and proper disposal.

4.0 RESULTS OF GROUNDWATER SAMPLING

Groundwater samples collected from each well were submitted to Curtis & Tompkins following chain of custody protocol. All groundwater samples were analyzed for total petroleum hydrocarbons as diesel (TPHd) by EPA Method 3510/8015M, TPH as gasoline (TPHg), benzene, toluene, ethylbenzene, and xylenes (BTEX), and MTBE by EPA Method 8260B. A copy of the chain of custody record and laboratory analytical reports is included as Appendix 2. A summary of the groundwater results obtained from each monitoring well is presented in Table 3.

TABLE 3 - GROUNDWATER SAMPLE ANALYTICAL RESULTS

Well No.	Date Sampled	TPHd (µg/L)	TPHg (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)
MW-1	12/02/98	<50	<50	---	<0.05	<0.05	<0.05	<0.05
	03/08/99	190	<50	---	<0.3	<0.3	<0.3	<0.3
	07/01/99	<50	<50	---	<0.5	<0.5	<0.5	<0.5
	08/18/99	<50	3,100	---	<0.5	9.6	12	12
	09/15/99	<50	<50	---	<0.5	<0.5	<0.5	<0.5
	12/27/99	---	---	---	---	---	---	--
	Destroyed	---	---	---	---	---	---	---

Well No.	Date Sampled	TPHd (µg/L)	TPHg (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)
MW-2	12/02/98	99	<50	---	4.6	0.85	0.57	5
	03/08/99	210	180	---	200	0.74	1.3	2.3
	07/01/99	<50	1,100	---	190	13	33	36
	08/18/99	---	---	---	---	---	---	---
	09/15/99	100	990	---	330	9.7	11	19
	12/27/99	<50	1,000	---	260	7.2	1.3	10
	03/24/00	31,000	1,900	---	110	4.8	9.5	12
	06/09/00	---	---	---	---	---	---	---
	12/14/00	470	1,600	<2	450	18	61	26
	05/07/01	300	950	---	120	5.8	8.5	32
	10/04/01	170	370	---	55	2.8	17	4.2
	02/09/05	<50	160	<0.50	69	1.2	1.3	<1.0
	05/16/05	140	650	<0.50	96	4.7	15	7.5
	11/16/05	160 [1]	54 [1]	<0.50	19	<0.5	<0.5	<0.5
	02/09/06	230 [1]	250	<0.50	160	4.0	3.9	2.1
	05/19/06	210 [1]	<50	<0.50	7.8	<0.50	<0.50	<0.50
	08/17/06	460 [1,2,3]	500	<2.0	220	14	17	28.1
MW-3	12/02/98	300	970	---	160	6.5	16	9
	03/08/99	1,400	2,600	---	1,800	30	67	26
	07/01/99	150	3,000	---	1	<0.5	32	36
	08/18/99	---	---	---	---	---	---	---
	09/15/99	110	1,100	---	350	8.3	5.4	10
	12/27/99	70	560	---	170	2.1	7.6	3.1
	03/24/00	1,000	8,400	---	4100	71	190	75
	06/09/00	320	2,700	---	1,100	17	18	<10
	12/14/00	<100	710	<0.5	140	2.2	3.3	1.2
	05/07/01	<400	1,500	---	270	7.9	11	5.6
	10/04/01	<50	140	---	45	<0.3	1.3	<0.6
	02/09/05	---	7,700	<5.0	670	16	83	36
	05/16/05	---	7,100	<5.0	1,200	20	110	49
	11/16/05	55 [1]	270 [1]	<0.5	30	0.61	<0.5	<0.5
	02/09/06	3,000 [1]	3,700	<0.50	720	12	50	29.9
	05/19/06	510 [1]	1,700	<2.0	300	4.2	17	11
	08/17/06	430 [1,2,3]	650	<0.50	78	1.2	1.2	1.4
MW-4	12/02/98	620	<50	---	1.1	0.37	<0.3	2
	03/08/99	<50	1,300	---	1,900	9.4	1.2	11
	07/01/99	<50	610	---	120	<0.5	<0.5	<0.5
	08/18/99	---	---	---	---	---	---	---
	09/15/99	59	830	---	320	6.5	1.7	<2.0
	12/27/99	<50	55	---	5.8	<0.5	<0.5	<0.5
	03/24/00	77	430	---	240	3.3	0.98	1.5
	06/09/00	<50	220	---	91	0.93	<0.5	<0.5
	12/14/00	<50	96	<0.5	15	<0.5	<0.5	<0.5
	05/07/01	<100	380	---	130	2.5	1.7	2.5
	10/04/01	<50	76	---	21	<0.3	<0.3	<0.6
	02/09/05	---	2,000	<2.5	440	12	9.3	7.6
	05/16/05	---	2,400	<2.5	610	16	11	8.0
	11/16/05	520 [1]	490 [1]	<1.0	170	4.5	3.3	2.3
	02/09/06	2,000 [1]	1,500	<1.0	630	16	10	9.3
	05/19/06	<50	220	<0.71	120	2.4	<0.71	1.0
	08/17/06	1,500 [1,2,3]	1,300	<3.1	480	13	9.4	6.5

Well No.	Date Sampled	TPHd (µg/L)	TPHg (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)
MW-5	12/02/98	620	<50	---	1.1	0.37	<0.3	2
	03/08/99	<50	58	---	23	0.31	<0.3	1.8
	07/01/99	64	1,900	---	160	10	13	22
	08/18/99	---	---	---	---	---	---	---
	09/15/99	<50	410	---	64	2.1	1.3	2.7
	12/27/99	<50	130	---	15	0.73	<0.5	<0.5
	03/24/00	460	2,500	---	560	57	18	87
	06/09/00	140	2,600	---	770	63	15	71
	12/14/00	<50	220	<0.5	17	0.63	1.7	1.1
	05/07/01	<200	3,200	---	450	44	54	66
	10/04/01	<50	<50	---	3.6	<0.3	<0.3	<0.6
	02/09/05	57	1,100	0.58	160	14	50	9.6
	05/16/05	340	4,700	<10	730	79	340	36
	11/16/05	<50	120 [1]	0.57	18	<0.5	<0.5	<0.5
	02/09/06	100 [1]	180	<0.50	33	2.2	2.1	1.8
	05/19/06	<50	1,400	<5.0	630	55	79	19.1
	08/17/06	270 [1,2,3]	280	0.52	41	1.9	5.3	0.79
MW-6	03/24/00	470	2,400	---	430	16	340	73
	06/09/00	<50	540	---	190	1.2	3.7	4.5
	12/14/00	<50	<50	<0.5	0.51	<0.5	<0.5	0.94
	05/07/01	<50	<50	---	4.4	<0.5	<0.5	<0.5
	10/04/01	<50	<50	---	<0.3	<0.3	<0.3	<0.6
	02/09/05	<50	<50	<0.50	0.94	<0.50	<0.50	<1.0
	05/16/05	<50	<50	<0.50	0.55	<0.50	<0.50	<1.0
	11/16/05	270	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/09/06	65 [1]	<50	<0.50	0.64	<0.50	<0.50	<0.50
	05/19/06	390 [1]	600	<1.3	180	15	35	20.4
	08/17/06	150 [1]	<50	<0.50	1.1	<0.50	<0.50	<0.50
MW-7	12/14/00	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	05/07/01	<50	<50	---	<0.5	<0.5	<0.5	<0.5
	10/04/01	<50	<50	---	<0.3	<0.3	<0.3	<0.6
	02/09/05	---	<50	0.55	<0.50	<0.50	<0.50	<1.0
	05/16/05	---	<50	<0.50	<0.50	<0.50	<0.50	<1.0
	11/16/05	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/09/06	81 [1]	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/19/06	---	---	---	---	---	---	---
	08/17/06	110 [1]	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-8	12/14/00	<50	<50	0.52	<0.5	<0.5	<0.5	<0.5
	05/07/01	<50	<50	---	<0.5	<0.5	<0.5	<0.5
	10/04/01	<50	<50	---	<0.3	<0.3	<0.3	<0.6
	02/09/05	---	<50	<0.50	<0.50	<0.50	<0.50	<1.0
	05/16/05	---	<50	<0.50	<0.50	<0.50	<0.50	<1.0
	11/16/05	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/09/06	72 [1]	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/19/06	---	---	---	---	---	---	---
	08/17/06	120 [1]	<50	<0.50	<0.50	<0.50	<0.50	0.51

Notes: ug/L = micrograms per liter (approximately equivalent to ppb)
--- = analysis not performed
Select data flags have been removed from the previously reported data table
[1] Chromatographic pattern does not resemble standard
[2] Lighter hydrocarbons contributed to the quantitation

[3] *Heavier hydrocarbons contributed to the quantitation*

5.0 DISCUSSION

The calculated groundwater flow direction is towards the northwest at a gradient of 0.008 foot per foot. These values are generally consistent with historical trends and should be expected based on local topography and surface water drainage pathways. ACC used groundwater data from wells MW-3, 5, 7, and 8 only because: 1) using all monitoring well data resulted in an anomalous groundwater flow direction to the southeast; 2) the established groundwater flow direction trend was to the northwest; and 3) monitoring wells MW-3, 5, 7, and 8 are least likely to be affected by changes in groundwater elevation caused by former onsite excavation.

Reported TPHd concentrations increased in wells MW-2, MW-4, MW-5, MW-7, and MW-8 and decreased in wells MW-3 and MW-6. Reported TPHg and BTEX concentrations increased in monitoring wells MW-2 and MW-4. TPHg concentrations ranged from 500 µg/L in well MW-2 to 1,300 µg/L in well MW-4. Reported benzene concentrations ranged from 220 µg/L in well MW-2 to 480 µg/L in well MW-4. With the exception of 1.1 µg/L benzene in well MW-6 and 0.51 µg/L total xylenes in well MW-8, TPHg, BTEX, and MTBE were not detected above their respective laboratory reporting limits in wells MW-6, MW-7, and MW-8.

In comparison to the May 2006 sampling event, TPHg, and BTEX concentrations generally decreased in monitoring wells MW-3, MW-5, MW-6, MW-7, and MW-8. In wells MW-2 and MW-4 TPHd, TPHg, and BTEX concentrations increased. Periodic groundwater monitoring results obtained since December 1998 have demonstrated that a residual source of petroleum hydrocarbon impact to groundwater appears to exist in soil in the vicinity of and/or upgradient of perimeter monitoring wells MW-3 and MW-5. This residual soil impact to groundwater continues to fluctuate but is generally decreasing with time in most of the monitoring wells.

6.0 CONCLUSIONS

Based on findings of this well monitoring and sampling event, and comparison to historical well monitoring and sampling data, ACC concludes the following:

- The calculated groundwater flow direction and gradient is generally consistent with historical trends and reflects the flat local topography and local surface drainage to San Francisco Bay;

- TPHd, TPHg, and BTEX concentrations continue to fluctuate, however reported concentrations do not indicate a significant soil source of petroleum hydrocarbon impact to groundwater;

- With the exception of 0.51 µg/L xylenes in well MW-8 TPHg, BTEX, and MTBE were not reported in downgradient monitoring wells MW-7 and MW-8;

- Minor TPHd concentrations were reported in downgradient monitoring wells MW-7 and MW-8 but these diesel-range petroleum hydrocarbon concentrations consist of weathered diesel-

range petroleum hydrocarbons (flagged by the laboratory as not resembling the diesel standard) that are generally less affected by natural attenuation processes; and

- Natural attenuation processes are preferentially degrading BTEX and reported petroleum hydrocarbon concentrations indicate that no significant concentrations are migrating off the property.

7.0 RECOMMENDATIONS

Based on our review of historical site investigation findings and the results of recently completed groundwater monitoring, ACC recommends the following:

- Conduct additional Site investigation to revise the Conceptual Site Model, fill apparent data gaps, and obtain current data about residual TPH concentrations in soil and groundwater to assess potential human health risk based on proposed Site use;

- Analyze groundwater samples from onsite monitoring well MW-6 and offsite monitoring well MW-8 for total dissolved solids and prepare all groundwater samples by silica gel cleanup prior to TPHd and TPHg analysis during the next periodic sampling event;

- As required by the lead regulatory agency, continue to perform periodic groundwater monitoring and sampling and ensure the Site is Geotracker compliant; and

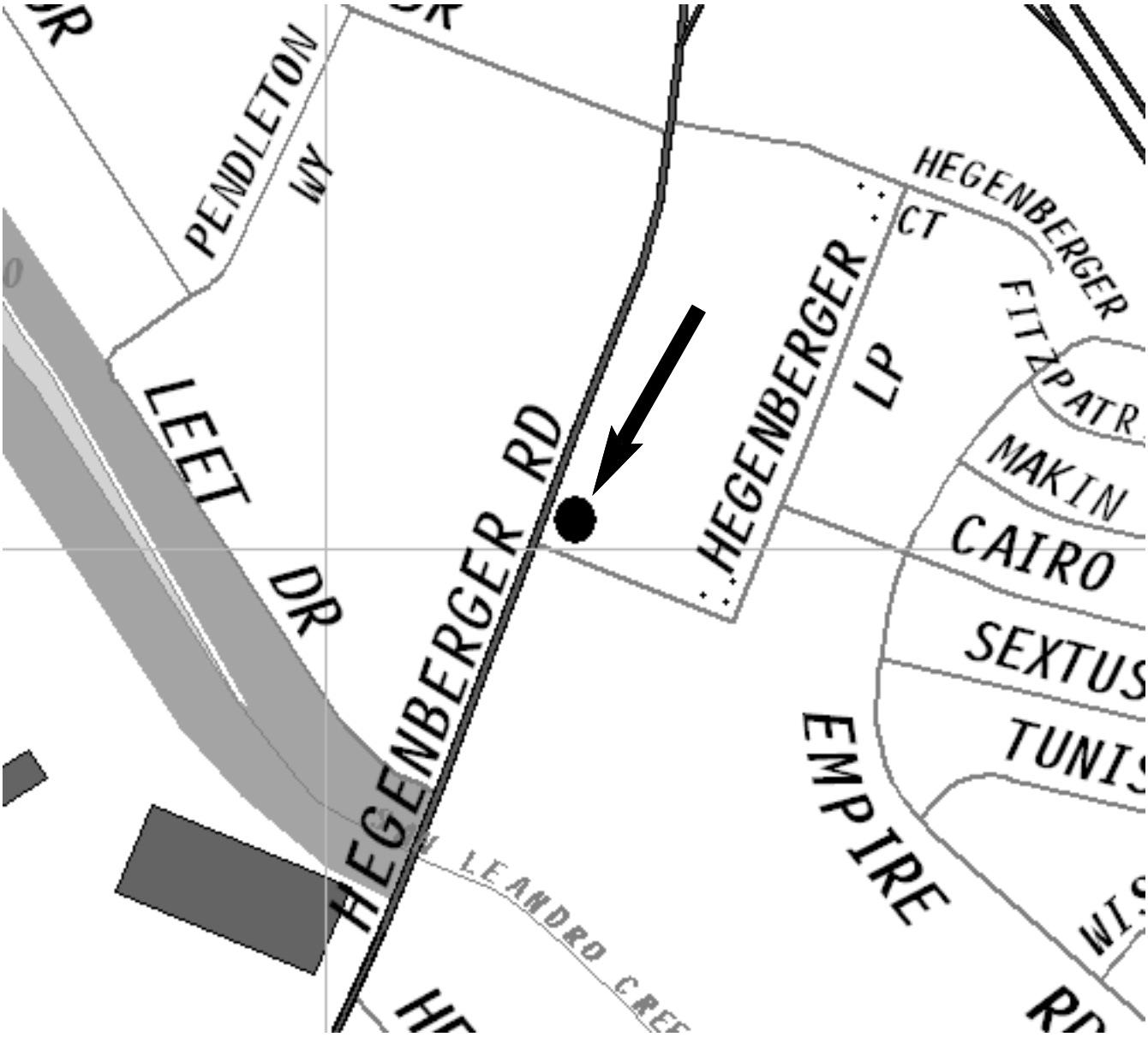
- Continue to perform periodic groundwater monitoring in order to obtain the groundwater quality data necessary to ultimately warrant full regulatory closure.

8.0 LIMITATIONS

The service performed by ACC has been conducted in a manner consistent with the levels of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the area. No other warranty, expressed or implied, is made.

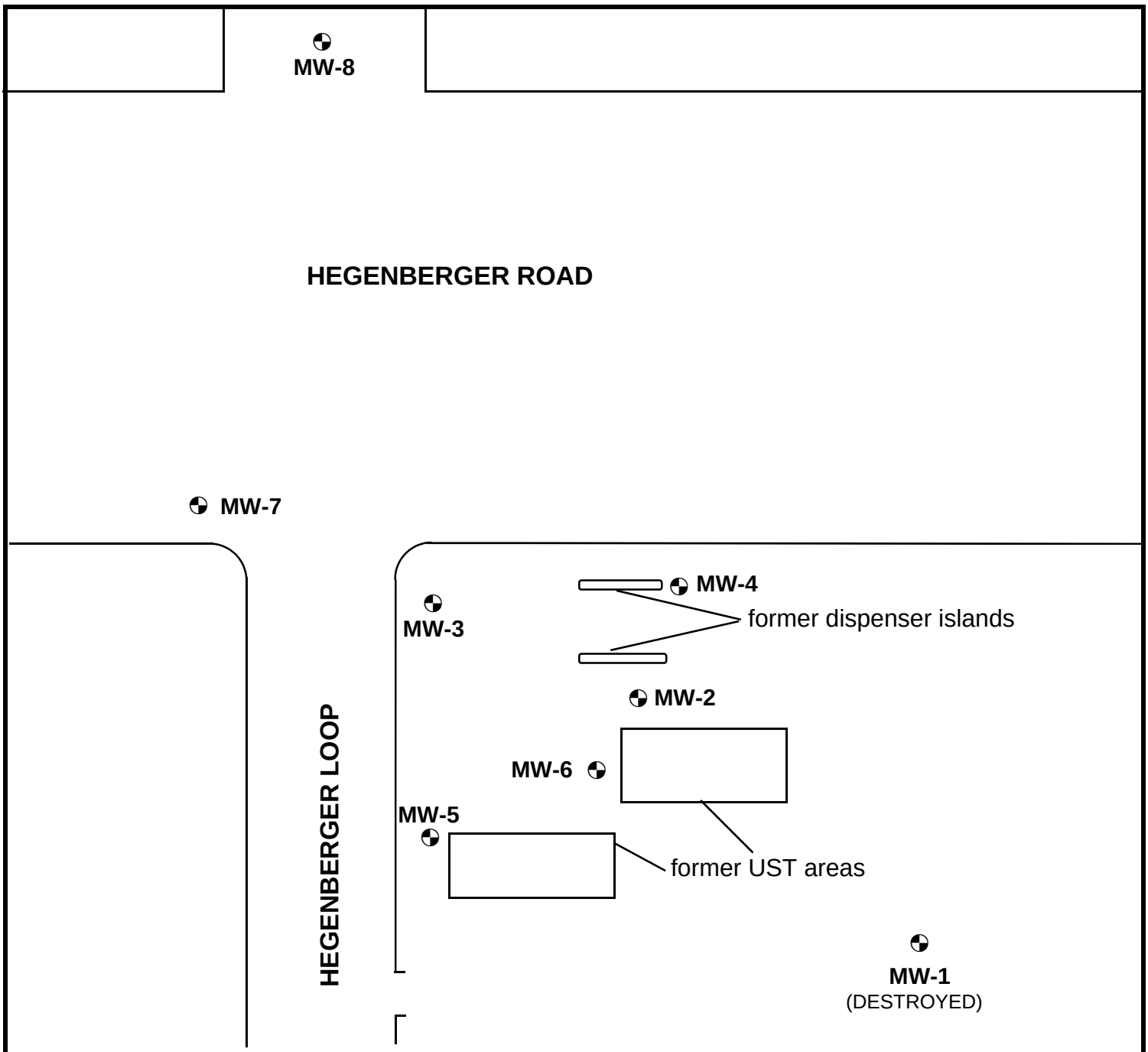
The conclusions presented in this report are professional opinions based on the indicated data described in this report and applicable regulations and guidelines currently in place. They are intended only for the purpose, site, and project indicated. Opinions and recommendations presented herein apply to site conditions existing at the time of our study.

ACC has included analytical results from a state-certified laboratory, which performs analyses according to procedures suggested by the U.S. Environmental Protection Agency and the State of California. ACC is not responsible for laboratory errors in procedure or result reporting.



Source: The Thomas Guide, Bay Area, 2004

Title: ***Location Map 444 Hegenberger Loop Oakland, California***	
Figure Number: 1	Scale: None
Project Number: 6748-017.00	Drawn By: ANW
A·C·C ENVIRONMENTAL CONSULTANTS 7977 Capwell Drive, Suite 100 Oakland, California 94621 (510) 638-8400 Fax: (510) 638-8404	Date: 06/18/05 N W E S



Legend

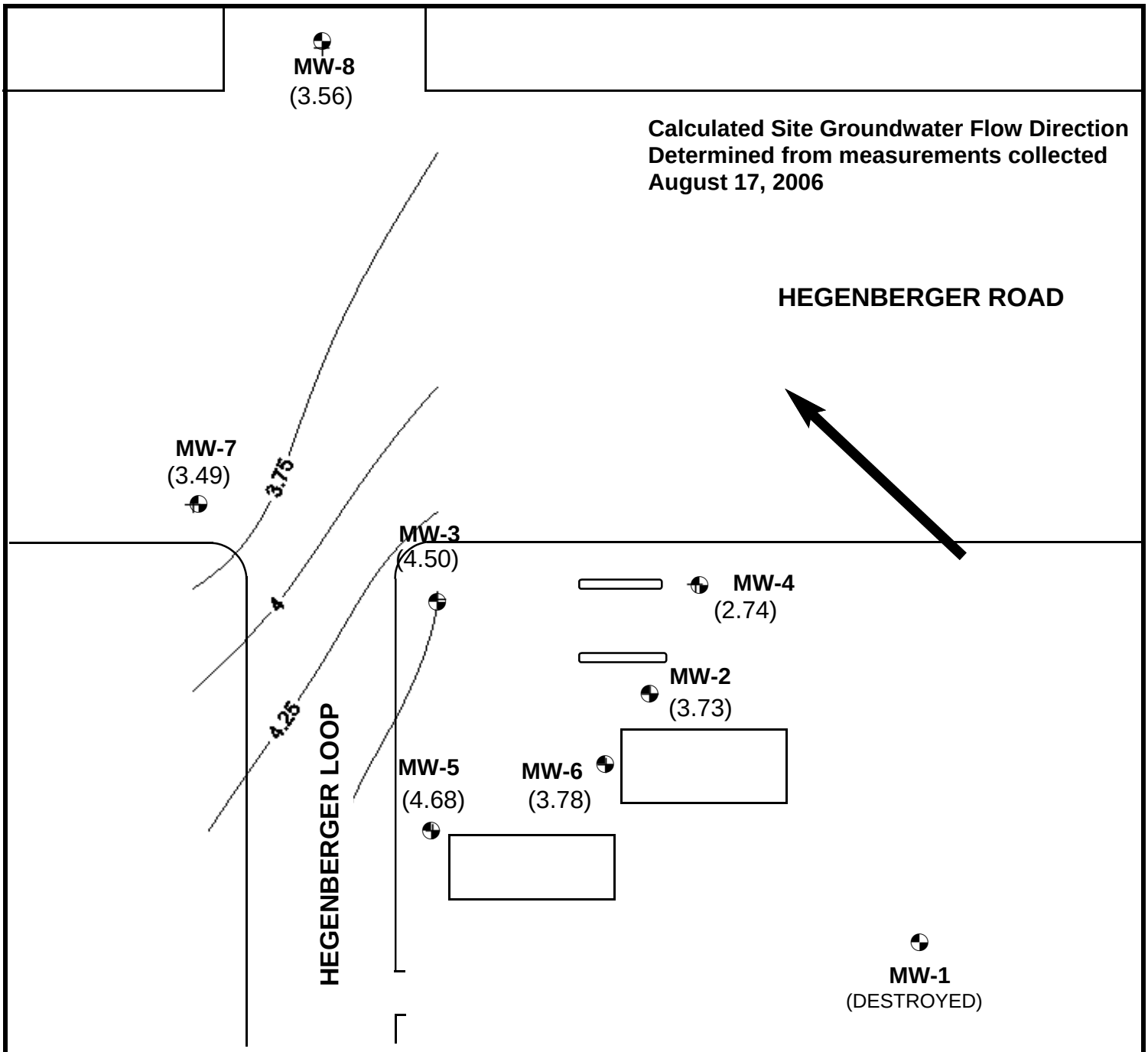
Groundwater Monitoring Well Location

Title: ***Site Plan***
444 Hegenberger Loop
Oakland, California

Figure Number: 2	Scale: 1" = 60'
Project Number: 6748-017.00	Drawn By: ANW
	Date: 8/18/05

A·C·C ENVIRONMENTAL CONSULTANTS
7977 Capwell Drive, Suite 100
Oakland, California 94621
(510) 638-8400 Fax: (510) 638-8404

N W E S



LEGEND

- MW-5 — Groundwater Monitoring Well Location
- Groundwater Elevation Contour
- Groundwater Flow Direction

Title: ***Gradient Map***
300 Hegenberger Road
Oakland, California

Figure Number: 3	Scale: 1" = 60'
Project Number: 6748-017.00	Drawn By: LMB
	Date: 09/15/06

A·C·C ENVIRONMENTAL CONSULTANTS
7977 Capwell Drive, Suite 100
Oakland, California 94621
(510) 638-8400 Fax: (510) 638-8404

N W E S

ACC ENVIRONMENTAL CONSULTANTS

ACC MONITORING WELL WORKSHEET

JOB NAME:	PURGE METHOD: Manual Bail
SITE ADDRESS: 300 Hegenberger	SAMPLED BY: AW/LB
JOB #: 6748-017.00	LABORATORY: C&T
DATE: 8/17/2006	ANALYSIS: TPHd · TPHg · BTEX · MTBE
Onsite Drum Inventory SOIL:	MONITORING ☒ DEVELOPING ☐
EMPTY: WATER: 2 @ 100%	SAMPLING ☒

WELL: MW-2

DEPTH OF BORING: 19.42
DEPTH TO WATER: 5.32
WATER COLUMN: 14.10
WELL DIAMETER: 2"
WELL VOLUME: 2.5
COMMENTS:

PURGE TO (Gal)	pH	Temp.(C)	Cond.	Sal.	Turb.	D.O.
2.5						
5.0						
7.5						
10.0		66.8				2.3

OBSERVATIONS: ☐ Froth ☐ Sheen ☒ Odor Type Fuel ☐ Free Product Amount____ Type____ ☐ Other

WELL: MW-3

DEPTH OF BORING: 16.24
DEPTH TO WATER: 4.10
WATER COLUMN: 12.14
WELL DIAMETER: 2"
WELL VOLUME: 2.1
COMMENTS:

(Gal)	pH	Temp.(C)	Cond.	Sal.	Turb.	D.O.
2.1						
4.2						
6.3						
8.4		64.9				-0.7

OBSERVATIONS: ☐ Froth ☐ Sheen ☒ Odor Type Fuel ☐ Free Product Amount____ Type____ ☐ Other

WELL: MW-4

DEPTH OF BORING: 19.26
DEPTH TO WATER: 5.76
WATER COLUMN: 13.50
WELL DIAMETER: 2"
WELL VOLUME: 2.3
COMMENTS:

(Gal)	pH	Temp.(C)	Cond.	Sal.	Turb.	D.O.
2.3						
4.6						
6.9						
9.2		65.4				0.3

OBSERVATIONS: ☐ Froth ☐ Sheen ☒ Odor Type Fuel ☐ Free Product Amount____ Type____ ☐ Other

ACC ENVIRONMENTAL CONSULTANTS

ACC MONITORING WELL WORKSHEET

2 of 3

JOB NAME:	PURGE METHOD: Manual Bail
SITE ADDRESS: 300 Hegenberger	SAMPLED BY: MW/LB
JOB #: 6748-017.00	LABORATORY: CET
DATE: 8/17/2006	ANALYSIS: TPHd. TPHg. BTEX. MTBE
Onsite Drum Inventory SOIL:	MONITORING ☒ DEVELOPING ☐
EMPTY: WATER:	SAMPLING ☒

WELL: MW-5
DEPTH OF BORING: 19.64
DEPTH TO WATER: 4.16
WATER COLUMN: 15.48
WELL DIAMETER: 2"
WELL VOLUME: 2.6
COMMENTS:

PURGE (Gal)	pH	Temp.(C)	Cond.	Sal.	Turb.	D.O.
2.6						
5.2						
7.8						
10.4		66.8				2.0

OBSERVATIONS: ☐ Froth ☐ Sheen ☒ Odor Type Fuel ☐ Free Product Amount____ Type____ ☐ Other

WELL: MW-6
DEPTH OF BORING: 15.71
DEPTH TO WATER: 5.41
WATER COLUMN: 10.30
WELL DIAMETER: 2"
WELL VOLUME: 1.8
COMMENTS:

(Gal)	pH	Temp.(C)	Cond.	Sal.	Turb.	D.O.
1.8						
3.6						
5.4						
7.2		65.9				2.2

OBSERVATIONS: ☐ Froth ☐ Sheen ☐ Odor Type____ ☐ Free Product Amount____ Type____ ☐ Other

WELL: MW-7
DEPTH OF BORING: 19.41
DEPTH TO WATER: 4.61
WATER COLUMN: 14.80
WELL DIAMETER: 2"
WELL VOLUME: 2.5
COMMENTS:

(Gal)	pH	Temp.(C)	Cond.	Sal.	Turb.	D.O.
2.5						
5.0						
7.5						
10.0		65.9				2.3

OBSERVATIONS: ☐ Froth ☐ Sheen ☐ Odor Type____ ☐ Free Product Amount____ Type____ ☐ Other

ACC ENVIRONMENTAL CONSULTANTS

ACC MONITORING WELL WORKSHEET

JOB NAME:	PURGE METHOD: Manual Bail
SITE ADDRESS: 360 Hegenberger	SAMPLED BY: AM/LB
JOB #: 6748-017.00	LABORATORY: CET
DATE: 8/17/2006	ANALYSIS: TPHd · TPHg · BTEX · MTBE
Onsite Drum Inventory SOIL:	MONITORING ☒ DEVELOPING ☐
EMPTY: WATER:	SAMPLING ☒

WELL: MW-8

DEPTH OF BORING: 20.39
DEPTH TO WATER: 5.12
WATER COLUMN: 15.27
WELL DIAMETER: 2"
WELL VOLUME: 2.6
COMMENTS:

PURGE VOL.	PURGE WATER READINGS						OBSERVATIONS
(Gal)	pH	Temp.(C)	Cond.	Sal.	Turb.	D.O.	☐ Froth
2.6							☐ Sheen
5.2							☐ Odor Type_____
7.8							☐ Free Product
10.4		65.9				2.3	Amount_____Type_____
							☐ Other

WELL:

DEPTH OF BORING:
DEPTH TO WATER:
WATER COLUMN:
WELL DIAMETER:
WELL VOLUME:
COMMENTS:

(Gal)	pH	Temp.(C)	Cond.	Sal.	Turb.	D.O.	☐ Froth
							☐ Sheen
							☐ Odor Type_____
							☐ Free Product
							Amount_____Type_____
							☐ Other

WELL:

DEPTH OF BORING:
DEPTH TO WATER:
WATER COLUMN:
WELL DIAMETER:
WELL VOLUME:
COMMENTS:

(Gal)	pH	Temp.(C)	Cond.	Sal.	Turb.	D.O.	☐ Froth
							☐ Sheen
							☐ Odor Type_____
							☐ Free Product
							Amount_____Type_____
							☐ Other

7977 Capwell Drive, Suite 100 • Oakland, CA 94621 • (510) 638-8400 • FAX: (510) 638-8404
OAKLAND • LOS ANGELES • SACRAMENTO • SEATTLE

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	188848	Location:	300 Hegenberger Road
Client:	ACC Environmental Consultants	Prep:	EPA 3520C
Project#:	6748-017.00	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	08/17/06
Units:	ug/L	Received:	08/18/06
Diln Fac:	1.000	Prepared:	08/22/06
Batch#:	116659		

Field ID: MW-2 Lab ID: 188848-001
Type: SAMPLE Analyzed: 08/23/06

Analyte	Result	RL
Diesel C10-C24	460 H L Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	100	65-130

Field ID: MW-3 Lab ID: 188848-002
Type: SAMPLE Analyzed: 08/23/06

Analyte	Result	RL
Diesel C10-C24	430 H L Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	111	65-130

Field ID: MW-4 Lab ID: 188848-003
Type: SAMPLE Analyzed: 08/23/06

Analyte	Result	RL
Diesel C10-C24	1,500 H L Y	50
Motor Oil C24-C36	720 L Y	300

Surrogate	%REC	Limits
Hexacosane	94	65-130

Field ID: MW-5 Lab ID: 188848-004
Type: SAMPLE Analyzed: 08/23/06

Analyte	Result	RL
Diesel C10-C24	270 H L Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	94	65-130

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	188848	Location:	300 Hegenberger Road
Client:	ACC Environmental Consultants	Prep:	EPA 3520C
Project#:	6748-017.00	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	08/17/06
Units:	ug/L	Received:	08/18/06
Diln Fac:	1.000	Prepared:	08/22/06
Batch#:	116659		

Field ID: MW-6 Lab ID: 188848-005
Type: SAMPLE Analyzed: 08/23/06

Analyte	Result	RL
Diesel C10-C24	150 Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	98	65-130

Field ID: MW-7 Lab ID: 188848-006
Type: SAMPLE Analyzed: 08/23/06

Analyte	Result	RL
Diesel C10-C24	110 Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	96	65-130

Field ID: MW-8 Lab ID: 188848-007
Type: SAMPLE Analyzed: 08/23/06

Analyte	Result	RL
Diesel C10-C24	120 Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	92	65-130

Type: BLANK Analyzed: 08/24/06
Lab ID: QC352950 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	92	65-130

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	188848	Location:	300 Hegenberger Road
Client:	ACC Environmental Consultants	Prep:	EPA 3520C
Project#:	6748-017.00	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC352951	Batch#:	116659
Matrix:	Water	Prepared:	08/22/06
Units:	ug/L	Analyzed:	08/23/06

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,327	93	61-133

Surrogate	%REC	Limits
Hexacosane	102	65-130

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	188848	Location:	300 Hegenberger Road
Client:	ACC Environmental Consultants	Prep:	EPA 3520C
Project#:	6748-017.00	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	116659
MSS Lab ID:	188774-003	Sampled:	08/15/06
Matrix:	Water	Received:	08/16/06
Units:	ug/L	Prepared:	08/22/06
Diln Fac:	1.000	Analyzed:	08/23/06

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC352952

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	27.50	2,500	2,218	88	55-134

Surrogate	%REC	Limits
Hexacosane	99	65-130

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC352953

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,108	83	55-134	5	27

Surrogate	%REC	Limits
Hexacosane	94	65-130

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Gasoline by GC/MS

Lab #:	188848	Location:	300 Hegenberger Road
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	6748-017.00	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	08/17/06
Units:	ug/L	Received:	08/18/06

Field ID:	MW-2	Diln Fac:	4.000
Type:	SAMPLE	Batch#:	116584
Lab ID:	188848-001	Analyzed:	08/22/06

Analyte	Result	RL
Gasoline C7-C12	500	200
MTBE	ND	2.0
Benzene	220	2.0
Toluene	14	2.0
Ethylbenzene	17	2.0
m,p-Xylenes	22	2.0
o-Xylene	6.1	2.0

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-120
1,2-Dichloroethane-d4	108	80-130
Toluene-d8	98	80-120
Bromofluorobenzene	106	80-122

Field ID:	MW-3	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	116618
Lab ID:	188848-002	Analyzed:	08/22/06

Analyte	Result	RL
Gasoline C7-C12	650	50
MTBE	ND	0.50
Benzene	78	0.50
Toluene	1.2	0.50
Ethylbenzene	1.2	0.50
m,p-Xylenes	1.4	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	106	80-130
Toluene-d8	97	80-120
Bromofluorobenzene	102	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Gasoline by GC/MS

Lab #:	188848	Location:	300 Hegenberger Road
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	6748-017.00	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	08/17/06
Units:	ug/L	Received:	08/18/06

Field ID:	MW-4	Diln Fac:	6.250
Type:	SAMPLE	Batch#:	116584
Lab ID:	188848-003	Analyzed:	08/21/06

Analyte	Result	RL
Gasoline C7-C12	1,300	310
MTBE	ND	3.1
Benzene	480	3.1
Toluene	13	3.1
Ethylbenzene	9.4	3.1
m,p-Xylenes	6.5	3.1
o-Xylene	ND	3.1

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-120
1,2-Dichloroethane-d4	110	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	104	80-122

Field ID:	MW-5	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	116618
Lab ID:	188848-004	Analyzed:	08/22/06

Analyte	Result	RL
Gasoline C7-C12	280	50
MTBE	0.52	0.50
Benzene	41	0.50
Toluene	1.9	0.50
Ethylbenzene	5.3	0.50
m,p-Xylenes	0.79	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-120
1,2-Dichloroethane-d4	107	80-130
Toluene-d8	97	80-120
Bromofluorobenzene	104	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Gasoline by GC/MS

Lab #:	188848	Location:	300 Hegenberger Road
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	6748-017.00	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	08/17/06
Units:	ug/L	Received:	08/18/06

Field ID: MW-6
Type: SAMPLE
Lab ID: 188848-005
Diln Fac: 1.000
Batch#: 116584
Analyzed: 08/21/06

Analyte	Result	RL
Gasoline C7-C12	ND	50
MTBE	ND	0.50
Benzene	1.1	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	111	80-120
1,2-Dichloroethane-d4	115	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	108	80-122

Field ID: MW-7
Type: SAMPLE
Lab ID: 188848-006
Diln Fac: 1.000
Batch#: 116584
Analyzed: 08/21/06

Analyte	Result	RL
Gasoline C7-C12	ND	50
MTBE	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-120
1,2-Dichloroethane-d4	115	80-130
Toluene-d8	102	80-120
Bromofluorobenzene	108	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Gasoline by GC/MS

Lab #:	188848	Location:	300 Hegenberger Road
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	6748-017.00	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	08/17/06
Units:	ug/L	Received:	08/18/06

Field ID:	MW-8	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	116584
Lab ID:	188848-007	Analyzed:	08/21/06

Analyte	Result	RL
Gasoline C7-C12	ND	50
MTBE	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	0.51	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	111	80-120
1,2-Dichloroethane-d4	114	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	106	80-122

Type:	BLANK	Batch#:	116584
Lab ID:	QC352623	Analyzed:	08/21/06
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
MTBE	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	100	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	103	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Gasoline by GC/MS

Lab #:	188848	Location:	300 Hegenberger Road
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	6748-017.00	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	08/17/06
Units:	ug/L	Received:	08/18/06

Type:	BLANK	Batch#:	116618
Lab ID:	QC352783	Analyzed:	08/22/06
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
MTBE	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	102	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	104	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Gasoline by GC/MS

Lab #:	188848	Location:	300 Hegenberger Road
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	6748-017.00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	116584
Units:	ug/L	Analyzed:	08/21/06
Diln Fac:	1.000		

Type: BS Lab ID: QC352619

Analyte	Spiked	Result	%REC	Limits
MTBE	25.00	24.48	98	72-120
Benzene	25.00	24.05	96	80-120
Toluene	25.00	24.84	99	80-120
Ethylbenzene	25.00	26.91	108	80-120
m,p-Xylenes	50.00	51.12	102	80-121
o-Xylene	25.00	26.06	104	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-120
1,2-Dichloroethane-d4	100	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-122

Type: BSD Lab ID: QC352620

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	25.00	22.91	92	72-120	7	20
Benzene	25.00	24.16	97	80-120	0	20
Toluene	25.00	24.89	100	80-120	0	20
Ethylbenzene	25.00	26.46	106	80-120	2	20
m,p-Xylenes	50.00	52.67	105	80-121	3	20
o-Xylene	25.00	26.03	104	80-120	0	20

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	99	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	103	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Gasoline by GC/MS

Lab #:	188848	Location:	300 Hegenberger Road
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	6748-017.00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	116584
Units:	ug/L	Analyzed:	08/21/06
Diln Fac:	1.000		

Type: BS Lab ID: QC352621

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	1,234	123	70-130

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120
1,2-Dichloroethane-d4	103	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	103	80-122

Type: BSD Lab ID: QC352622

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,000	1,255	125	70-130	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	102	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	103	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Gasoline by GC/MS

Lab #:	188848	Location:	300 Hegenberger Road
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	6748-017.00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	116618
Units:	ug/L	Analyzed:	08/22/06
Diln Fac:	1.000		

Type: BS Lab ID: QC352779

Analyte	Spiked	Result	%REC	Limits
MTBE	25.00	25.38	102	72-120
Benzene	25.00	24.96	100	80-120
Toluene	25.00	25.85	103	80-120
Ethylbenzene	25.00	28.20	113	80-120
m,p-Xylenes	50.00	55.17	110	80-121
o-Xylene	25.00	27.11	108	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-120
1,2-Dichloroethane-d4	103	80-130
Toluene-d8	104	80-120
Bromofluorobenzene	102	80-122

Type: BSD Lab ID: QC352780

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	25.00	22.40	90	72-120	12	20
Benzene	25.00	23.30	93	80-120	7	20
Toluene	25.00	24.39	98	80-120	6	20
Ethylbenzene	25.00	26.16	105	80-120	8	20
m,p-Xylenes	50.00	49.94	100	80-121	10	20
o-Xylene	25.00	25.18	101	80-120	7	20

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	103	80-130
Toluene-d8	102	80-120
Bromofluorobenzene	102	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Gasoline by GC/MS

Lab #:	188848	Location:	300 Hegenberger Road
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	6748-017.00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	116618
Units:	ug/L	Analyzed:	08/22/06
Diln Fac:	1.000		

Type: BS Lab ID: QC352781

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	1,199	120	70-130

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-120
1,2-Dichloroethane-d4	107	80-130
Toluene-d8	102	80-120
Bromofluorobenzene	103	80-122

Type: BSD Lab ID: QC352782

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,000	1,273	127	70-130	6	20

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120
1,2-Dichloroethane-d4	102	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	103	80-122

RPD= Relative Percent Difference

CHAIN OF CUSTODY

Page _____ of _____

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 Phone
(510)486-0532 Fax

C&T LOGIN # 188848

Sampler: Lorena Benitez

Report To: lbenitez@accenv.com

Company : ACC Environmental Consultants

Telephone: 510.638.8400

Fax: 510.638.8404

Project No: 6748-017.00

Project Name: ~~444~~ 300 Hegenberger ~~Loop~~ Road

Project P.O.: 6748-017.00

Turnaround Time: Standard

Lab No.	Sample ID.	Sampling Date & Time	Matrix: Soil	Water	Waste	# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE	None	Analyses: TPHd by 8015M	TPHg, BTEX, MTBE by 8260B
-1	MW-2	8/17/2006 13:25		X		4	X			X		X	X
-2	MW-3	8/17/2006 13:15		X		4	X			X		X	X
-3	MW-4	8/17/2006 13:20		X		4	X			X		X	X
-4	MW-5	8/17/2006 13:10		X		4	X			X		X	X
-5	MW-6	8/17/2006 13:30		X		4	X			X		X	X
-6	MW-7	8/17/2006 13:45		X		4	X			X		X	X
-7	MW-8	8/17/2006 13:55		X		4	X			X		X	X

Notes:

Global ID : T0600102125

RELINQUISHED BY:

8/17/06 1700 DATE/TIME

DATE/TIME

DATE/TIME

RECEIVED BY:

8/18/06 1325 DATE/TIME

DATE/TIME

DATE/TIME

intact cold RC