A·C·C
ENVIRONMENTAL
CONSULTANTS

July 13, 2007

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: Second Quarter 2007 Groundwater Monitoring Report
300 Hegenberger Road, Oakland, California
ACC Project No.6748-017-00

Dear Ms. Schroeder:

Enclosed is the Second Quarter Groundwater Monitoring Report describing the groundwater monitoring activities at 300 Hegenberger Road, Oakland, California. On your behalf, ACC will send an electronic copy of this Report to Mr. Barney Chan at Alameda County Environmental Health.

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

Sincerely,

David R. DeMent, PG, REA II
Division Manager/Senior Geologist

/lmb:drd

Enclosures

SECOND QUARTER 2007
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

July 13, 2007

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

SECOND QUARTER 2007
GROUNDWATER MONITORING REPORT

300 Hegenberger Road
Oakland, California

1.0 INTRODUCTION

This Second Quarter 2007 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 six 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 May 17, 2007. 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
	11/16/06		4.77	4.28
	03/02/07		4.37	4.68
	05/17/07		5.75	3.30
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
	11/16/06		4.43	4.17
	03/02/07		4.69	3.91
	05/17/07		5.50	3.10
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

Well No.	Date Sampled	Well Elevation[1] (above MSL)	Depth to Groundwater	Groundwater Elevation
MW-4 (Cont'd)	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
	05/07/01		5.20	3.30
	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
	11/16/06		4.26	4.24
	03/02/07		4.29	4.21
	05/17/07		5.29	3.21
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
	11/16/06		4.61	4.23
	03/02/07		4.51	4.33
	05/17/07		5.65	3.19
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
	11/16/06		4.94	4.25
	03/02/07		5.02	4.17
	05/17/07		5.90	3.29
MW-7	12/14/00	8.10[2]	3.48	4.62
	05/07/01		5.13	2.97

Well No.	Date Sampled	Well Elevation[1] (above MSL)	Depth to Groundwater	Groundwater Elevation
MW-7 (cont'd)	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
	11/16/06		4.57	3.53
	03/02/07		4.25	3.08
	05/17/07		5.17	2.93
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
	11/16/06		3.98	4.70
	03/02/07		Well Destroyed	Well Destroyed

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 May 17, 2007, is illustrated on Figure 3. The calculated groundwater gradient averaged 0.003 foot per foot to the west-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

Date Monitored	Gradient (foot/foot)	Direction
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
11/16/06	0.004	Northwest
03/02/07	0.001	East-Northeast
05/17/07	0.003	West-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 STL San Francisco, 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 STL San Francisco 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	---	---	---	---	---	---	---
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
	11/16/06	370 [1,3]	190	19	20	1.1	0.58	0.72
	03/02/07	450 [1,2]	980	<8.3	1,400	19	35	14
	05/17/07	130	3,200	<2.5	390	23	60	30
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
	11/16/06	<50	170	2.7	12	<0.50	<0.50	<0.50

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-3 (cont'd)	03/02/07	1,800[1,2]	4,800	<8.3	1,000	13	70	28
	05/17/07	360	2,100	<2.5	270	3.8	14	5.6
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
	11/16/06	430[1,2]	6,100	<2.0	1,300	48	53	27
	03/02/07	1,400[1,2]	5,900	<10	1,500	54	67	34
	05/17/07	260	4,500	<5.0	660	25	20	15
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
	11/16/06	<50	76	<2.0	4.8	<0.50	<0.50	<0.50
	03/02/07	76[1,2]	650	<1.0	140	12	46	7.5
	05/17/07	180	3,400	<2.5	420	34	180	10
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

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-6 (cont'd)	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
	11/16/06	<50	<50	<2.0	<0.50	<0.50	<0.50	<0.50
	03/02/07	<50	<50	<0.50	1.0	<0.50	<0.50	0.55
	05/17/07	<50	<50	<0.50	2.2	<0.50	<0.50	<1.0
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
	11/16/06	<50	<50	<2.0	<0.50	<0.50	<0.50	<0.50
	03/02/07	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	05/17/07	<50	<50	<0.50	<0.50	<0.50	<0.50	<1.0
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
	11/16/06	<83	<50	<2.0	<0.50	<0.50	<0.50	<0.50
	Destroyed	---	---	---	---	---	---	---

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

During this sampling and monitoring event, the calculated groundwater flow direction and gradient was west-northwest at 0.003 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, 4, 5, 6, and 7 to calculate groundwat flow direction and gradient.

Reported TPHg concentrations increased in wells MW-2 and MW-5. Reported TPHg concentrations in monitoring wells MW-2 and MW-5 were 3,200 µg/L and 3,400 µg/L, respectively. TPHd, TPHg, BTEX, and MTBE were not detected above their respective laboratory reporting limits in wells MW-6 and MW-7, with the exception of 2.2 µg/L benzene in well MW-6.

In comparison to the February 2007 sampling event, TPHd, TPHg, and BTEX concentrations generally increased in well MW-5 and decreased in wells MW-3 and MW-4. 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-4. This residual TPH impact to groundwater continues to fluctuate but is generally decreasing with time in most of the monitoring wells.

Sometime following the November 2006 sampling event, well MW-8 was destroyed by the property owner under permit from the Alameda County Public Works Agency (ACPWA). Monitoring well MW-8 was apparently installed without an access agreement and the ACPWA inadvertently approved well destruction.

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 and generally indicate a residual soil source of petroleum hydrocarbon impact to groundwater;

- TPHd, TPHg, BTEX, and MTBE were not reported in downgradient monitoring well MW-7;

- TPHd and TPHg concentrations were not detected above their respective laboratory reporting limits in well MW-6; and

- Natural attenuation processes are preferentially degrading dissolved petroleum hydrocarbon concentrations in groundwater and no significant TPH 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:

- Temporarily ceasing groundwater monitoring and sampling pending review of ACC's *December 2006 Subsurface Investigation Report* and completion of any recommended remedial action;

- Immediately prepare and submit a Remedial Action Plan (RAP) to implement active source removal as remedial soil excavation; and

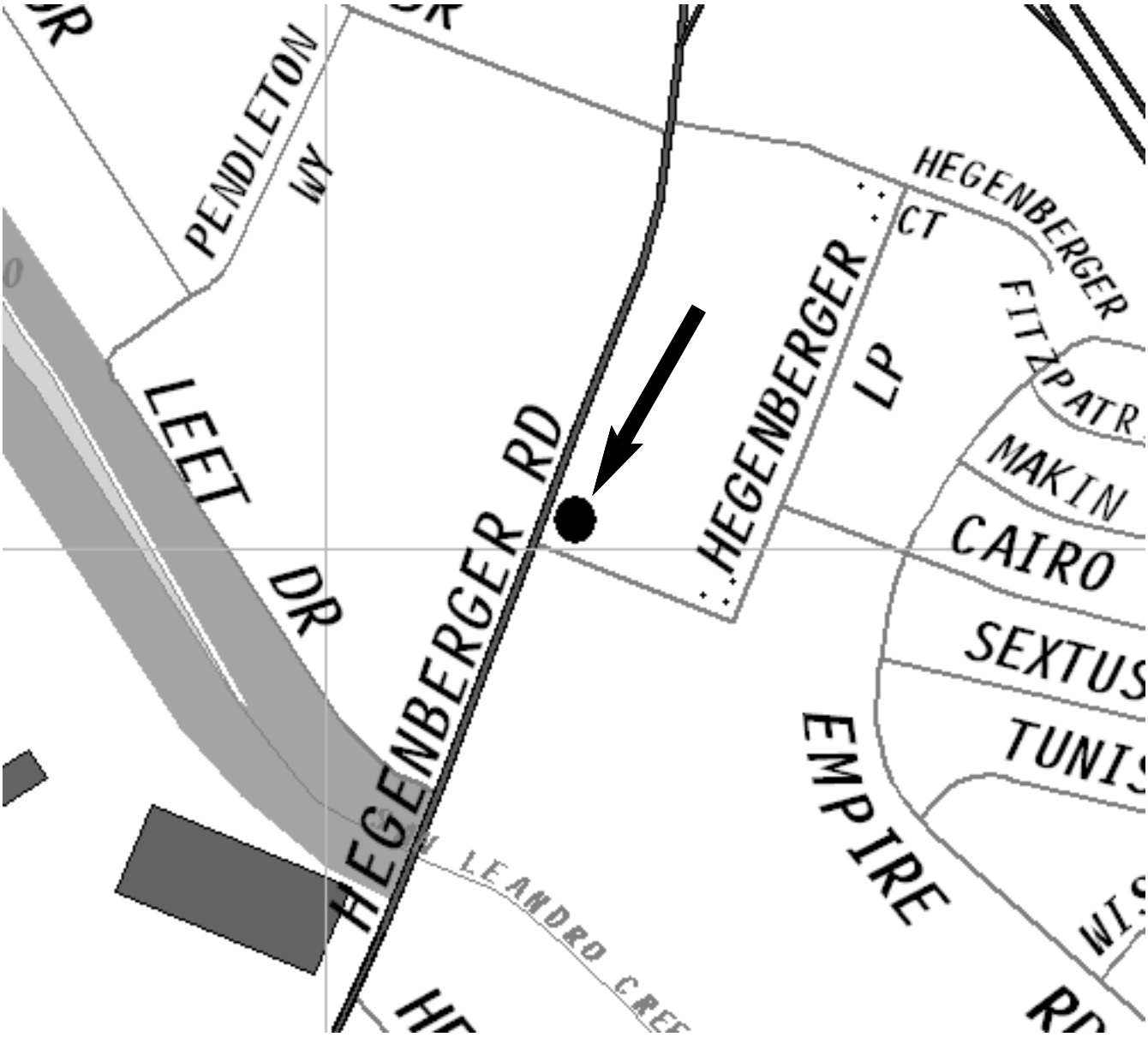
- Request evaluating the Site for full regulatory closure as a “low risk fuel case” following successful completion of the recommended remedial action, revising the Site Conceptual Model (SCM) accordingly, and obtaining acceptable confirmation sidewall soil sample analytical results.

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.

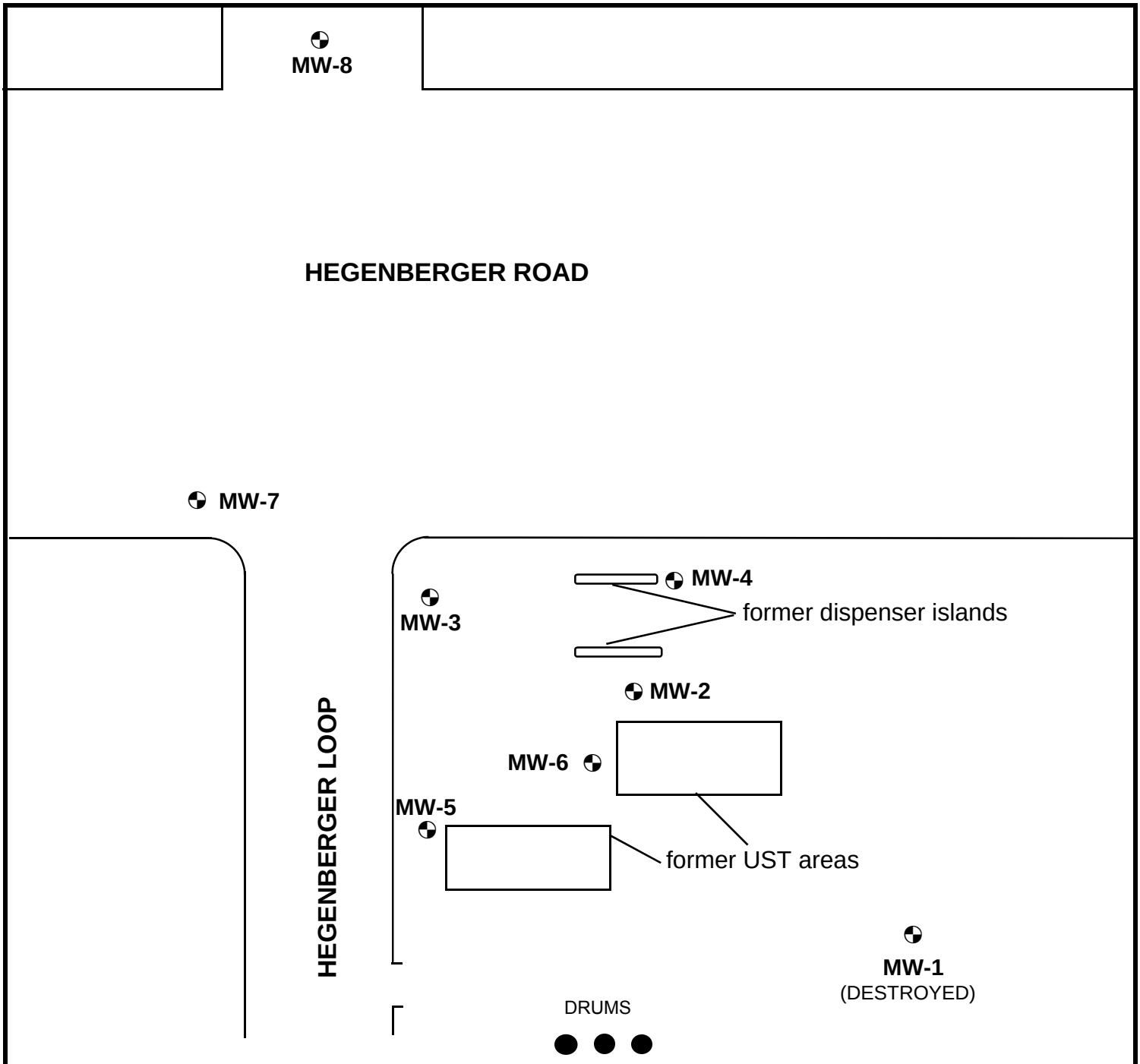


Source: The Thomas Guide, Bay Area, 2004

Title: ***Location Map*** ***444 Hegenberger Loop*** ***Oakland, California***	
Figure Number: 1	Scale: None
Project Number: 6748-017.00	Drawn By: ANW
	Date: 06/18/05

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

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

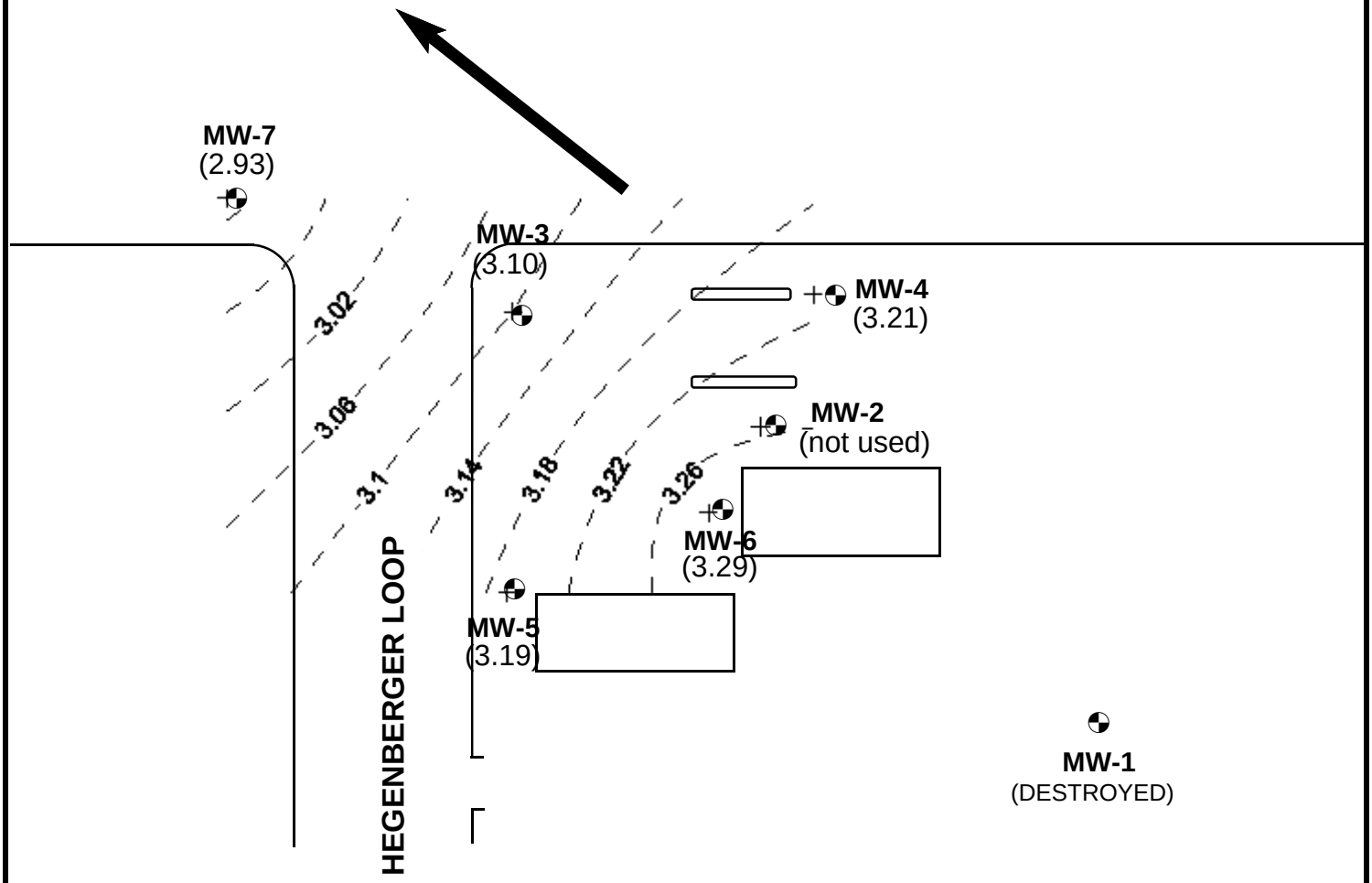
A·C·C ENVIRONMENTAL CONSULTANTS
7977 Capwell Drive, Suite 100
Oakland, California 94621
(510) 638-8400 Fax: (510) 638-8404

N W E S

MW-8
(DESTROYED)

Calculated Site Groundwater Flow Direction
Determined from measurements collected
May 17, 2007

HEGENBERGER ROAD



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: 07/11/07

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:

SITE ADDRESS: 300 HEGENBERGER

JOB #: 6148-017.00

DATE: 5/17/2007

Onsite Drum Inventory SOIL:

EMPTY: WATER: 1@100% 1@80%

PURGE METHOD: MANUAL BAIL

SAMPLED BY: LMB

LABORATORY: STL SAN FRANCISCO

ANALYSIS: TPHd. TPHg. BTEX. MTBE

MONITORING ☒ DEVELOPING ☐

SAMPLING ☑

WELL: MW-6

DEPTH OF BORING: 15.80

DEPTH TO WATER: 5.90

WATER COLUMN: 9.90

WELL DIAMETER: 2"

WELL VOLUME: 1.6

COMMENTS:

PURGE SQ	PURGE WATER READINGS						OBSERVATION
(Gal)	pH	Temp.(C)	Cond.	Sal.	Turb.	D.O.	☐ Froth
1.6							☐ Sheen
3.2							☐ Odor Type
4.8							☐ Free Product
6.4		66.4				3.3	Amount Type
							☐ Other

WELL: MW-2

DEPTH OF BORING: 19.30

DEPTH TO WATER: 5.75

WATER COLUMN: 13.55

WELL DIAMETER: 2"

WELL VOLUME: 2.2

COMMENTS:

(Gal)	pH	Temp.(C)	Cond.	Sal.	Turb.	D.O.	☐ Froth
2.2							☐ Sheen
4.4							☒ Odor Type FUEL
6.6							☐ Free Product
8.8		65.1				3.4	Amount Type
							☐ Other

WELL: MW-4

DEPTH OF BORING: 19.30

DEPTH TO WATER: 5.29

WATER COLUMN: 14.09

WELL DIAMETER: 2"

WELL VOLUME: 2.3

COMMENTS:

(Gal)	pH	Temp.(C)	Cond.	Sal.	Turb.	D.O.	☐ Froth
2.3							☐ Sheen
4.6							☒ Odor Type FUEL
6.9							☐ Free Product
9.2		65.6				3.3	Amount Type
							☐ Other

ACC ENVIRONMENTAL CONSULTANTS

ACC MONITORING WELL WORKSHEET

JOB NAME:

SITE ADDRESS: 390 HEGENBERGER

JOB #: 6748-017.00

DATE: 5/17/2007

Onsite Drum Inventory SOIL:

EMPTY: WATER:

PURGE METHOD: MANUAL BAIL

SAMPLED BY: LMB

LABORATORY: STL SAN FRANCISCO

ANALYSIS: TPHd. TPHg. BTEX-MTBE

MONITORING ☑ DEVELOPING ☐

SAMPLING ☒

WELL: MW-5

DEPTH OF BORING: 19.47

DEPTH TO WATER: 5.65

WATER COLUMN: 13.82

WELL DIAMETER: 2"

WELL VOLUME: 2.3

COMMENTS:

PURGE VOL. (Gal)	pH	Temp.(C)	Cond.	Sal.	Turb.	D.O.
2.3						
4.6						
6.9						
9.2		66.6				2.8

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

WELL: MW-3

DEPTH OF BORING: 19.35

DEPTH TO WATER: 5.50

WATER COLUMN: 13.85

WELL DIAMETER: 2"

WELL VOLUME: 2.3

COMMENTS:

PURGE VOL. (Gal)	pH	Temp.(C)	Cond.	Sal.	Turb.	D.O.
2.3						
4.6						
6.9						
9.2		65.8				2.8

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

WELL: MW-1

DEPTH OF BORING: 19.49

DEPTH TO WATER: 5.17

WATER COLUMN: 14.32

WELL DIAMETER: 2"

WELL VOLUME: 2.3

COMMENTS:

PURGE VOL. (Gal)	pH	Temp.(C)	Cond.	Sal.	Turb.	D.O.
2.3						
4.6						
6.9						
9.2		67.5				3.8
-1						

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

ANALYTICAL REPORT

Job Number: 720-9199-1

Job Description: 300 Hegenberger

For:
ACC Environmental Consultants
7977 Capwell Drive
Suite 100
Oakland, CA 94621

Attention: Ms. Lorena Benitez

Dimple Sharma
Project Manager I
dsharma@stl-inc.com
05/29/2007

cc: Ken Blume
Dave DeMent

Project Manager: Melissa Brewer

I. Comments
No additional comments.

II. Receipt
All samples were received in good condition within temperature requirements.

III. GC/MS VOA
No analytical or quality issues were noted.

IV. GC Semi VOA
No analytical or quality issues were noted.

V. Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ACC Environmental Consultants Job Number: 720-9199-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-9199-1	**MW-6**				
Benzene		2.2	0.50	ug/L	8260B
720-9199-2	**MW-2**				
Benzene		390	2.5	ug/L	8260B
Ethylbenzene		60	2.5	ug/L	8260B
Toluene		23	2.5	ug/L	8260B
Xylenes, Total		30	5.0	ug/L	8260B
Gasoline Range Organics (GRO)-C5-C12		3200	250	ug/L	8260B
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		130	50	ug/L	8015B
720-9199-3	**MW-4**				
Benzene		660	5.0	ug/L	8260B
Ethylbenzene		20	5.0	ug/L	8260B
Toluene		25	5.0	ug/L	8260B
Xylenes, Total		15	10	ug/L	8260B
Gasoline Range Organics (GRO)-C5-C12		4500	500	ug/L	8260B
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		280	50	ug/L	8015B
720-9199-4	**MW-3**				
Benzene		270	2.5	ug/L	8260B
Ethylbenzene		14	2.5	ug/L	8260B
Toluene		3.8	2.5	ug/L	8260B
Xylenes, Total		5.6	5.0	ug/L	8260B
Gasoline Range Organics (GRO)-C5-C12		2100	250	ug/L	8260B
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		360	50	ug/L	8015B
720-9199-5	**MW-5**				
Benzene		420	2.5	ug/L	8260B
Ethylbenzene		180	2.5	ug/L	8260B
Toluene		34	2.5	ug/L	8260B
Xylenes, Total		10	5.0	ug/L	8260B
Gasoline Range Organics (GRO)-C5-C12		3400	250	ug/L	8260B
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		180	50	ug/L	8015B

METHOD SUMMARY

Client: ACC Environmental Consultants Job Number: 720-9199-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	STL SF	SW846 8260B	
Purge-and-Trap	STL SF		SW846 5030B
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	STL SF	SW846 8015B	
Separatory Funnel Liquid-Liquid Extraction	STL SF		SW846 3510C SGC

LAB REFERENCES:

STL SF = STL San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: ACC Environmental Consultants Job Number: 720-9199-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-9199-1	MW-6	Water	05/17/2007 1300	05/18/2007 1450
720-9199-2	MW-2	Water	05/17/2007 1305	05/18/2007 1450
720-9199-3	MW-4	Water	05/17/2007 1310	05/18/2007 1450
720-9199-4	MW-3	Water	05/17/2007 1315	05/18/2007 1450
720-9199-5	MW-5	Water	05/17/2007 1320	05/18/2007 1450
720-9199-6	MW-7	Water	05/17/2007 1330	05/18/2007 1450

Client: ACC Environmental Consultants Job Number: 720-9199-1

Client Sample ID: MW-6

Lab Sample ID: 720-9199-1
Client Matrix: Water

Date Sampled: 05/17/2007 1300
Date Received: 05/18/2007 1450

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/22/2007 1928
Date Prepared: 05/22/2007 1928

Analysis Batch: 720-21899

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200705\05
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Benzene	2.2		0.50
Ethylbenzene	ND		0.50
MTBE	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	98	77 - 121
1,2-Dichloroethane-d4 (Surr)	100	73 - 130

Client: ACC Environmental Consultants | Job Number: 720-9199-1

Client Sample ID: **MW-2**

Lab Sample ID: 720-9199-2
Client Matrix: Water

Date Sampled: 05/17/2007 1305
Date Received: 05/18/2007 1450

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 5.0
Date Analyzed: 05/23/2007 1640
Date Prepared: 05/23/2007 1640

Analysis Batch: 720-21955

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\200705\05
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	RL
Benzene	390		2.5
Ethylbenzene	60		2.5
MTBE	ND		2.5
Toluene	23		2.5
Xylenes, Total	30		5.0
Gasoline Range Organics (GRO)-C5-C12	3200		250

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	93	77 - 121
1,2-Dichloroethane-d4 (Surr)	97	73 - 130

Client: ACC Environmental Consultants | Job Number: 720-9199-1

Client Sample ID: **MW-4**

Lab Sample ID: 720-9199-3 | Date Sampled: 05/17/2007 1310
Client Matrix: Water | Date Received: 05/18/2007 1450

8260B Volatile Organic Compounds by GC/MS

Method: 8260B | Analysis Batch: 720-21955 | Instrument ID: Saturn 2100
Preparation: 5030B | Lab File ID: c:\saturnws\data\200705\05
Dilution: 10 | Initial Weight/Volume: 10 mL
Date Analyzed: 05/23/2007 1759 | Final Weight/Volume: 10 mL
Date Prepared: 05/23/2007 1759

Analyte	Result (ug/L)	Qualifier	RL
Benzene	660		5.0
Ethylbenzene	20		5.0
MTBE	ND		5.0
Toluene	25		5.0
Xylenes, Total	15		10
Gasoline Range Organics (GRO)-C5-C12	4500		500

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	92	77 - 121
1,2-Dichloroethane-d4 (Surr)	98	73 - 130

Client: ACC Environmental Consultants | Job Number: 720-9199-1

Client Sample ID: **MW-3**

Lab Sample ID: 720-9199-4 | Date Sampled: 05/17/2007 1315
Client Matrix: Water | Date Received: 05/18/2007 1450

8260B Volatile Organic Compounds by GC/MS

Method: 8260B | Analysis Batch: 720-21955 | Instrument ID: Saturn 2100
Preparation: 5030B | Lab File ID: c:\saturnws\data\200705\05
Dilution: 5.0 | Initial Weight/Volume: 10 mL
Date Analyzed: 05/23/2007 1547 | Final Weight/Volume: 10 mL
Date Prepared: 05/23/2007 1547

Analyte	Result (ug/L)	Qualifier	RL
Benzene	270		2.5
Ethylbenzene	14		2.5
MTBE	ND		2.5
Toluene	3.8		2.5
Xylenes, Total	5.6		5.0
Gasoline Range Organics (GRO)-C5-C12	2100		250

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	93	77 - 121
1,2-Dichloroethane-d4 (Surr)	94	73 - 130

Client: ACC Environmental Consultants | Job Number: 720-9199-1

Client Sample ID: **MW-5**

Lab Sample ID: 720-9199-5
Client Matrix: Water

Date Sampled: 05/17/2007 1320
Date Received: 05/18/2007 1450

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 5.0
Date Analyzed: 05/23/2007 1614
Date Prepared: 05/23/2007 1614

Analysis Batch: 720-21955

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\200705\05
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	RL
Benzene	420		2.5
Ethylbenzene	180		2.5
MTBE	ND		2.5
Toluene	34		2.5
Xylenes, Total	10		5.0
Gasoline Range Organics (GRO)-C5-C12	3400		250

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	93	77 - 121
1,2-Dichloroethane-d4 (Surr)	91	73 - 130

Client: ACC Environmental Consultants | Job Number: 720-9199-1

Client Sample ID: **MW-7**

Lab Sample ID: 720-9199-6
Client Matrix: Water

Date Sampled: 05/17/2007 1330
Date Received: 05/18/2007 1450

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/22/2007 1644
Date Prepared: 05/22/2007 1644

Analysis Batch: 720-21929

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200705\05
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Ethylbenzene	ND		0.50
MTBE	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	95	77 - 121
1,2-Dichloroethane-d4 (Surr)	98	73 - 130

Client: ACC Environmental Consultants Job Number: 720-9199-1

Client Sample ID: MW-6

Lab Sample ID: 720-9199-1
Client Matrix: Water

Date Sampled: 05/17/2007 1300
Date Received: 05/18/2007 1450

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C SGC
Dilution: 1.0
Date Analyzed: 05/29/2007 1104
Date Prepared: 05/25/2007 1234

Analysis Batch: 720-22110
Prep Batch: 720-22030

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	73	50 - 130
Capric Acid (Surr)	0	0 - 5

Client: ACC Environmental Consultants Job Number: 720-9199-1

Client Sample ID: MW-2

Lab Sample ID: 720-9199-2
Client Matrix: Water

Date Sampled: 05/17/2007 1305
Date Received: 05/18/2007 1450

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C SGC
Dilution: 1.0
Date Analyzed: 05/29/2007 1131
Date Prepared: 05/25/2007 1234

Analysis Batch: 720-22110
Prep Batch: 720-22030

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	130		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	69	50 - 130
Capric Acid (Surr)	3	0 - 5

Client: ACC Environmental Consultants Job Number: 720-9199-1

Client Sample ID: MW-4

Lab Sample ID: 720-9199-3
Client Matrix: Water

Date Sampled: 05/17/2007 1310
Date Received: 05/18/2007 1450

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C SGC
Dilution: 1.0
Date Analyzed: 05/29/2007 1158
Date Prepared: 05/25/2007 1234

Analysis Batch: 720-22110
Prep Batch: 720-22030

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	280		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	83	50 - 130
Capric Acid (Surr)	4	0 - 5

Client: ACC Environmental Consultants Job Number: 720-9199-1

Client Sample ID: MW-3

Lab Sample ID: 720-9199-4
Client Matrix: Water

Date Sampled: 05/17/2007 1315
Date Received: 05/18/2007 1450

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C SGC
Dilution: 1.0
Date Analyzed: 05/29/2007 1225
Date Prepared: 05/25/2007 1234

Analysis Batch: 720-22110
Prep Batch: 720-22030

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	360		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	77	50 - 130
Capric Acid (Surr)	3	0 - 5

Client: ACC Environmental Consultants Job Number: 720-9199-1

Client Sample ID: MW-5

Lab Sample ID: 720-9199-5
Client Matrix: Water

Date Sampled: 05/17/2007 1320
Date Received: 05/18/2007 1450

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C SGC
Dilution: 1.0
Date Analyzed: 05/29/2007 1251
Date Prepared: 05/25/2007 1234

Analysis Batch: 720-22110
Prep Batch: 720-22030

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	180		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	83	50 - 130
Capric Acid (Surr)	1	0 - 5

Client: ACC Environmental Consultants Job Number: 720-9199-1

Client Sample ID: MW-7

Lab Sample ID: 720-9199-6
Client Matrix: Water

Date Sampled: 05/17/2007 1330
Date Received: 05/18/2007 1450

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C SGC
Dilution: 1.0
Date Analyzed: 05/29/2007 1318
Date Prepared: 05/25/2007 1234

Analysis Batch: 720-22110
Prep Batch: 720-22030

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	74	50 - 130
Capric Acid (Surr)	0	0 - 5

DATA REPORTING QUALIFIERS

Client: ACC Environmental Consultants Job Number: 720-9199-1

Lab Section	Qualifier	Description
GC/MS VOA		
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

Client: ACC Environmental Consultants Job Number: 720-9199-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-21899					
LCS 720-21899/3	Lab Control Spike	T	Water	8260B	
LCSD 720-21899/2	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-21899/4	Method Blank	T	Water	8260B	
720-9199-1	MW-6	T	Water	8260B	
Analysis Batch:720-21929					
LCS 720-21929/3	Lab Control Spike	T	Water	8260B	
LCSD 720-21929/2	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-21929/4	Method Blank	T	Water	8260B	
720-9199-6	MW-7	T	Water	8260B	
Analysis Batch:720-21955					
LCS 720-21955/5	Lab Control Spike	T	Water	8260B	
LCSD 720-21955/3	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-21955/7	Method Blank	T	Water	8260B	
720-9199-2	MW-2	T	Water	8260B	
720-9199-2MS	Matrix Spike	T	Water	8260B	
720-9199-2MSD	Matrix Spike Duplicate	T	Water	8260B	
720-9199-3	MW-4	T	Water	8260B	
720-9199-4	MW-3	T	Water	8260B	
720-9199-5	MW-5	T	Water	8260B	

Report Basis
T = Total

Client: ACC Environmental Consultants Job Number: 720-9199-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-22030					
LCS 720-22030/2-AA	Lab Control Spike	A	Water	3510C SGC	
LCSD 720-22030/3-AA	Lab Control Spike Duplicate	A	Water	3510C SGC	
MB 720-22030/1-AA	Method Blank	A	Water	3510C SGC	
720-9199-1	MW-6	A	Water	3510C SGC	
720-9199-2	MW-2	A	Water	3510C SGC	
720-9199-3	MW-4	A	Water	3510C SGC	
720-9199-4	MW-3	A	Water	3510C SGC	
720-9199-5	MW-5	A	Water	3510C SGC	
720-9199-6	MW-7	A	Water	3510C SGC	
Analysis Batch:720-22110					
LCS 720-22030/2-AA	Lab Control Spike	A	Water	8015B	720-22030
LCSD 720-22030/3-AA	Lab Control Spike Duplicate	A	Water	8015B	720-22030
MB 720-22030/1-AA	Method Blank	A	Water	8015B	720-22030
720-9199-1	MW-6	A	Water	8015B	720-22030
720-9199-2	MW-2	A	Water	8015B	720-22030
720-9199-3	MW-4	A	Water	8015B	720-22030
720-9199-4	MW-3	A	Water	8015B	720-22030
720-9199-5	MW-5	A	Water	8015B	720-22030
720-9199-6	MW-7	A	Water	8015B	720-22030

Report Basis
A = Silica Gel Cleanup

Client: ACC Environmental Consultants Job Number: 720-9199-1

Method Blank - Batch: 720-21899

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-21899/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/22/2007 1119
Date Prepared: 05/22/2007 1119

Analysis Batch: 720-21899
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200705\05
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Ethylbenzene	ND		0.50
MTBE	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	98	77 - 121
1,2-Dichloroethane-d4 (Surr)	92	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ACC Environmental Consultants Job Number: 720-9199-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-21899

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-21899/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/22/2007 0959
Date Prepared: 05/22/2007 0959

Analysis Batch: 720-21899
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200705\0
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-21899/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/22/2007 1026
Date Prepared: 05/22/2007 1026

Analysis Batch: 720-21899
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 3900B
Lab File ID: c:\saturnws\data\200705\052
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	106	105	69 - 129	1	25		
MTBE	107	113	65 - 165	6	25		
Toluene	114	110	70 - 130	4	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	102	103	77 - 121
1,2-Dichloroethane-d4 (Surr)	99	102	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ACC Environmental Consultants Job Number: 720-9199-1

Method Blank - Batch: 720-21929

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-21929/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/22/2007 1237
Date Prepared: 05/22/2007 1237

Analysis Batch: 720-21929
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200705\05
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Ethylbenzene	ND		0.50
MTBE	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	99	77 - 121
1,2-Dichloroethane-d4 (Surr)	94	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ACC Environmental Consultants Job Number: 720-9199-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-21929

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-21929/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/22/2007 1117
Date Prepared: 05/22/2007 1117

Analysis Batch: 720-21929
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200705\0
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-21929/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/22/2007 1143
Date Prepared: 05/22/2007 1143

Analysis Batch: 720-21929
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200705\052
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	97	97	69 - 129	1	25		
MTBE	100	98	65 - 165	2	25		
Toluene	92	96	70 - 130	4	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	94	101	77 - 121
1,2-Dichloroethane-d4 (Surr)	81	92	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ACC Environmental Consultants Job Number: 720-9199-1

Method Blank - Batch: 720-21955

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-21955/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/23/2007 1043
Date Prepared: 05/23/2007 1043

Analysis Batch: 720-21955
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\200705\05
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Ethylbenzene	ND		0.50
MTBE	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	94	77 - 121
1,2-Dichloroethane-d4 (Surr)	98	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ACC Environmental Consultants Job Number: 720-9199-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-21955

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-21955/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/23/2007 1139
Date Prepared: 05/23/2007 1139

Analysis Batch: 720-21955
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\200705\0
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-21955/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/23/2007 1205
Date Prepared: 05/23/2007 1205

Analysis Batch: 720-21955
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\200705\052
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	101	99	69 - 129	2	25		
MTBE	103	112	65 - 165	8	25		
Toluene	105	104	70 - 130	0	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	93	93	77 - 121
1,2-Dichloroethane-d4 (Surr)	78	82	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ACC Environmental Consultants Job Number: 720-9199-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-21955

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-9199-2	Analysis Batch:	720-21955	Instrument ID:	Saturn 2100
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	c:\saturnws\data\200705\(
Dilution:	5.0			Initial Weight/Volume:	10 mL
Date Analyzed:	05/23/2007 1706			Final Weight/Volume:	10 mL
Date Prepared:	05/23/2007 1706				

MSD Lab Sample ID:	720-9199-2	Analysis Batch:	720-21955	Instrument ID:	Saturn 2100
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	c:\saturnws\data\200705\05
Dilution:	5.0			Initial Weight/Volume:	10 mL
Date Analyzed:	05/23/2007 1733			Final Weight/Volume:	10 mL
Date Prepared:	05/23/2007 1733				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	538	491	69 - 129	2	20	4	4
MTBE	126	145	65 - 165	14	20		
Toluene	125	124	70 - 130	1	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	96	93	77 - 121
1,2-Dichloroethane-d4 (Surr)	99	94	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ACC Environmental Consultants Job Number: 720-9199-1

Method Blank - Batch: 720-22030

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

Lab Sample ID: MB 720-22030/1-AA
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/29/2007 1251
Date Prepared: 05/25/2007 1234

Analysis Batch: 720-22110
Prep Batch: 720-22030
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	81	50 - 130
Capric Acid (Surr)	0	0 - 5

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-22030

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

LCS Lab Sample ID: LCS 720-22030/2-AA
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/29/2007 1158
Date Prepared: 05/25/2007 1234

Analysis Batch: 720-22110
Prep Batch: 720-22030
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-22030/3-AA
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/29/2007 1225
Date Prepared: 05/25/2007 1234

Analysis Batch: 720-22110
Prep Batch: 720-22030
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	78	85	50 - 130	9	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	113	114	50 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

SEVERN TRENT SERVICES

STL San Francisco

Chain of Custody

710-9199

1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 • Fax: (925) 484-1096

Reference #: 105548

Date 5/17/2007 Page 1 of 1

Report To

Attn: Lorena Benitez

Company: ACC ENVIRONMENTAL CONSULTANTS

Address: 7977 CAPWELL DRIVE, OAKLAND, CA

P: (510) 638-8400 x 127 E: lbenitez@accenv.com

Bill To: ACC ENVIRONMENTAL Sampled By: Lorena Benitez

Attn: L.Benitez Phone ext: 127

Analysis Request

Sample ID	Date	Time	Matrix	Preserv.	TPH EPA - ☐ 8015/8021 ☒ 8260B ☒ Gas w/ ☒ BTEX ☒ MTBE	Purgeable Aromatics BTEX EPA - ☐ 8021 ☐ 8260B	TEPH EPA 8015M ☒ Silica Gel ☒ Diesel ☐ Motor Oil ☐ Other ___	Fuel Tests EPA 8260B: ☐ Gas ☐ BTEX ☐ Five Oxyenates ☐ DCA, EDB ☐ Ethanol	Purgeable Halocarbons (HVOCs) EPA 8021	Volatile Organics GC/MS (VOCs) ☐ EPA 8260B ☐ 624	Semivolatiles GC/MS ☐ EPA 8270 ☐ 625	Oil and Grease ☐ Petroleum (EPA 1664) ☐ Total	Pesticides ☐ EPA 8081 ☐ 608 PCBs ☐ EPA 8082 ☐ 608	PNAs by ☐ 8270 ☐ 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☐ Lead ☐ LUFT ☐ RCRA ☐ Other: ___	☐ W.E.T (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24h hold time for H_2O)	☐ Spec Cond. ☐ Alkalinity ☐ TSS ☐ TDS	Anions : ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4					Number of Containers
MW-6	5/17/07	1300	W	HCl	X		X																			4
MW-2		1305			X		X																			4
MW-4		1310			X		X																			4
MW-3		1315			X		X																			4
MW-5		1320			X		X																			4
MW-7	↓	1330	↓	↓	X		X																			4

Page 29 of 30

Project Info.

Project Name: 300 HEGENBERGER

Project#: 6748-017.00

PO#:

Credit Card#:

Sample Receipt

of Containers:

Head Space:

Temp: 2.3 °C

Conforms to record:

Other:

TAT: Std 5 Day | 72h | 48h | 24h

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ State Tank Fund EDF

Special Instructions / Comments: ☒ Global ID ___

T0600102125

1) Relinquished by:	2) Relinquished by:	3) Relinquished by:
Signature: [signature] Time: 1515	Signature: [signature] Time: 1450	Signature: Time:
Printed Name: Lorena Benitez Date: 5/17/2007	Printed Name: Bryan Thomas Date: 5/18/07	Printed Name: Date:
Company: ACC ENVIRONMENTAL CONSULTANTS	Company: STL-SF	Company:

1) Received by:	2) Received by:	3) Received by:
Signature: [signature] Time: 1310	Signature: [signature] Time: 1450	Signature: Time:
Printed Name: Bryan Thomas Date: 5/18/07	Printed Name: T. Bullock Date: 5/18/07	Printed Name: Date:
Company: STL-SF	Company: STL-SF	Company:

Rev 01/02

LOGIN SAMPLE RECEIPT CHECK LIST

Client: ACC Environmental Consultants Job Number: 720-9199-1

Login Number: 9199

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	