Barbara Jakub
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

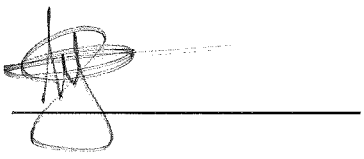
Re: BPS Reprographics (Formerly City Blue Print)
RWQCB Case #01-0210
1700 Jefferson St
Oakland CA, 94612

Dear Barbara Jakub,

BPS had directed MACTEC to provide, on our behalf, professional environmental consulting services to the best of their ability. To the best of my knowledge the information in this report is accurate and all local Agency and/or Regional Water Quality Control Board regulations and guidelines have been followed.

This report was prepared by MACTEC and BPS has relied on their advice and assistance. I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge.

Sincerely,



Authorized Representative

Attachment: Report

MACTEC

engineering and constructing a better tomorrow

March 11, 2008

Mr. David Blain
BPS Reprographic Services
945 Bryant Street
San Francisco, California 94103

Subject: **Groundwater Remediation and Monitoring Report**
Fourth Quarter 2007
BPS Reprographic Services Facility
1700 Jefferson Street
Oakland, California
MACTEC Project No. 4097041918 05

Dear Mr. Blain:

MACTEC Engineering and Consulting, Inc. (MACTEC) presents this quarterly status letter-report on the groundwater monitoring and remedial activities at the BPS Reprographic Services (BPS) facility located at 1700 Jefferson Street in Oakland, California (Plate 1). The Third Quarter 2007 groundwater monitoring event was performed on October 2, 2007 and results were presented in a letter report dated November 26, 2007. The Fourth Quarter 2007 groundwater monitoring event was performed on December 13, 2007. Information presented in this letter-report represent the Fourth Quarter 2007 (October 3 through December 31, 2007) groundwater conditions at the subject site, and was prepared to satisfy the quarterly groundwater monitoring requirements of the Alameda County Department of Health Care Services (ACHCS).

BACKGROUND

Three underground gasoline storage tanks were removed from the property in 1987, and a preliminary soil and groundwater investigation indicated that a release of fuel into the subsurface had occurred. Subsequent investigation indicated the presence of free phase hydrocarbons (FPH) in groundwater beneath the site and a local groundwater gradient direction that ranges from north-northwest to west.

The existing groundwater monitoring wells (MW-1, MW-3, MW-5, and MW-6) and extraction wells (MW-1A and MW-4) are shown on Plate 1. Groundwater extraction and treatment began in 1992. The treatment system consisted of an oil-water separator that removed the FPH, a 3,000-gallon bioreactor tank for treatment by hydrocarbon reducing microbes, and three granular activated carbon vessels. The treated water was discharged under a wastewater discharge permit from the East Bay Municipal Utility District to the sanitary sewer. During its operation, the treatment system processed approximately 1,385,490 gallons of groundwater and an estimated 5,062 pounds of FPH were recovered.

By 1999, the oil-water separator was no longer recovering FPH and FPH was no longer present in any of the groundwater monitoring wells. In June 1999, as approved by the ACHCS, groundwater extraction and treatment ceased. In September 1999, MACTEC implemented *in-situ* bioremediation using ORC™ in treatment wells MW-1A, MW-3, MW-4, and MW-5. The ORC™ is contained in fabric "socks" and releases oxygen over time to encourage aerobic microbes to metabolize the hydrocarbons. As described in the Groundwater Monitoring Plan, the ORC™ socks were removed from the treatment wells two weeks before each quarterly groundwater monitoring event, and then replaced after sampling was complete. *In-situ* bioremediation continued until the Fourth Quarter 2002. In late 2002 and early 2003, MACTEC removed the ORC™ socks from the monitoring wells, as requested by the ACHCS in their letter dated September 27, 2002. Since then, the ORC has not been replaced; however, quarterly monitoring has continued.

FOURTH QUARTER 2007 GROUNDWATER SAMPLING AND ANALYSIS

On December 13, 2007, MACTEC conducted quarterly groundwater monitoring of MW-1, MW-3, MW-5, and MW-6 (Plate 1) using a non-purge method, in accordance with the SFBRWQCB January 31, 1997 letter *Utilization of Non-Purge Approach for Sampling of Monitoring Wells Impacted by Petroleum Hydrocarbons, BTEX and MTBE,* file No. 1123.64.

Table 1 shows groundwater field parameters, including DO, collected prior to sampling. During the Fourth Quarter 2007 event, the DO concentrations ranged from 0.3 mg/L in MW-3 to 0.7 mg/L in MW-5 and MW-6. MACTEC will continue to monitor DO in these wells.

Prior to sampling, MACTEC measured the depth to groundwater from the top of casing (TOC) of wells MW-1, MW-3, MW-5, and MW-6 using an electronic water level indicator. Current and historical measurements and calculated groundwater elevations are displayed on Plate 2 and tabulated in Table 2. As shown in Table 2, the groundwater surface elevation decreased an average of 0.17 feet across the site, as compared to last quarter's measurements. MACTEC will continue to monitor groundwater elevations in these wells.

The groundwater elevation contours shown on Plate 3 were drawn using the December 13, 2007 groundwater measurements from MW-1, MW-3, MW-5, and MW-6. Based on the groundwater elevations, the groundwater gradient is approximately 0.0036 ft/ft. The direction of flow appears to be in the west-northwesterly direction.

Immediately after sample collection, MACTEC labeled and stored the samples in a cooler with ice. The groundwater samples were kept chilled until submitted to Test America Analytical Testing Corporation (Test America), a California state-certified laboratory (CA ELAP Certificate #1214), under chain-of-custody protocol for the following analyses:

- Total petroleum hydrocarbons as gasoline (TPHg) in accordance with EPA Method 8015 modified.
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) in accordance with EPA Method 8020.

- Methyl tertiary butyl ether (MTBE) in accordance with EPA Method 8020, with confirmation of detections by EPA Method 8260.
- Ethylene dichloride (EDC) by EPA Method 8260.

The Fourth Quarter 2007 analytical results for TPHg, BTEX, MTBE, and EDC are displayed on Plate 4. Historical analytical results for TPHg, BTEX, and MTBE collected through September 29, 1999 are shown in Table 3. Analytical results collected since September 29, 1999 are shown in Table 4 and presented graphically on Plates 5a, 5b, and 5c. The certified analytical reports (CARs) are presented in Appendix A.

DISCUSSION

As shown in Table 4 and Plates 5a, 5b, and 5c, the Fourth Quarter 2007 monitoring event concentrations of TPHg and BTEX are within the range of historical concentrations of these compounds. The range of chemical concentrations detected in samples collected during the Fourth Quarter 2007 event are as follows:

- TPHg ranged from non-detectable with a detection limit of 0.05 milligrams per liter (mg/L; MW-6) to 34 mg/l (MW-5).
- Benzene ranged from non-detectable with a detection limit of 0.5 micrograms per liter (µg/L; MW-6) to 11,000 µg/L (MW-5).
- Toluene ranged from 0.84 µg/L (MW-6) to 2,700 µg/L (MW-1).
- Ethylbenzene ranged from non-detectable with a detection limit of 0.5 µg/L (MW-6) to 1,200 µg /L (MW-5).
- Total Xylenes ranged from non-detectable with a detection limit of 0.5 µg/L (MW-6) to 1,900 µg/L (MW-5).
- MTBE was not detected in samples from any of the groundwater monitoring wells this quarter, with detection limits ranging from 2.5 µg/L (MW-6) to 1,200 µg/L (MW-5).
- EDC was detected in MW-1 at a concentration of 180 µg/L and in MW-5 at a concentration of 340 µg/L.

An overview of recent concentration trends observed in each monitoring well is presented below.

In MW-1, chemical concentrations peaked during the Second Quarter 2003 monitoring event, decreased to unusually low levels during the Third Quarter 2005, and increased again through the First Quarter 2006 (Plate 5a). Since then concentrations have remained relatively stable with seasonal fluctuations. The

Fourth Quarter 2007 concentrations of TPHg and BTEX in MW-1 are roughly the same as the Third Quarter 2007 concentrations, and within their respective recent historical ranges.

In MW-3, chemical concentrations peaked in 2003; decreased significantly in mid-2005, and subsequently increased (Plate 5b). Since then, concentrations have remained relatively stable. The Fourth Quarter 2007 concentrations of TPHg and BTEX in MW-3 have all increased since the Third Quarter 2007 and are within or close to their respective recent historical ranges.

Chemical concentrations in MW-5 decreased to historical lows during the First and Second Quarter 2006 (Plate 5c). Subsequently, TPHg and BTEX concentrations have increased, but remain within their respective recent historical ranges. Fourth Quarter 2007 concentrations of TPHg and BTEX in MW-5 are roughly the same as the Third Quarter 2007 concentrations, and within their respective recent historical ranges.

Typically, groundwater collected from MW-6 contains no detectable concentrations of TPHg or BTEX compounds. However, Fourth Quarter 2007 monitoring data from MW-6 indicates toluene was detected at a concentration of 0.84 µg/L. This concentration is far below the California maximum contaminant level (MCL) for toluene of 150 µg/L. MW-6 will continue to be monitored for this analyte.

Beginning with the Fourth Quarter 2002 event, EDC was added to the list of analytes monitored at MW-1 and MW-5. The current concentrations of EDC detected in MW-1 and MW-5 (180 µg /L and 340 µg /L, respectively) are similar to concentrations detected during previous quarters. EDC concentrations in both wells remain within their respective historical concentration ranges.

RECOMMENDATIONS

MACTEC recommends continued groundwater monitoring at the Site to satisfy the quarterly groundwater monitoring requirements of the ACHCS and continued evaluation of monitoring parameters for more favorable conditions under which to make a monitoring frequency reduction request. MACTEC recommends that BPS send a copy of this report to the following address:

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

While under contract to BPS, MACTEC will continue to provide quarterly groundwater monitoring and reporting as required by ACHCS.

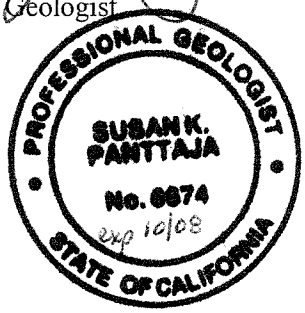
If you have any questions, please contact David S. Nanstad at (415) 278-2118.

Yours very truly,

MACTEC ENGINEERING AND CONSULTING, INC.

David S. Nanstad, REA
Project Engineer

Susan K. Panttaja, PG
Senior Geologist



Richard Manser
Principal Scientist

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Attachments: Table 1 – Groundwater Parameters
Table 2 – Groundwater Elevation Data
Table 3 – Historical Groundwater Monitoring Analytical Results - Using Purge Method
Table 4 – Groundwater Monitoring Analytical Results

Plate 1 – Site Map
Plate 2 – Groundwater Elevation Data
Plate 3 – Groundwater Contours
Plate 4 – TPHg, BTEX, MTBE and EDC Concentrations in Groundwater
Plate 5a – MW-1 BTEX and DO Results
Plate 5b – MW-3 BTEX and DO Results
Plate 5c – MW-5 BTEX and DO Results

Appendix A – Laboratory Reports
Appendix B – Groundwater Sampling Forms
Table B1. Sample Location/Sample Description Cross-Reference

TABLES

Table 1. Groundwater Parameters
BPS Reprographic Services Facility
1700 Jefferson St.
Oakland CA

Dissolved Oxygen (mg/L)	MW-1	MW-3	MW-5	MW-6
9/29/1999	2.9	1.7	0.4	1.8
11/5/1999	4.0	10.3	4.0	2.8
11/22/1999	1.8	2.4	2.0	3.2
1/28/2000	2.9	8.4	3.6	2.2
2/11/2000	2.5	2.3	1.8	3.5
5/12/2000	2.0	7.4	2.4	1.7
5/30/2000	1.9	2.6	1.8	3.2
9/1/2000	2.9	3.4	2.3	2.7
9/15/2000	2.0	1.8	2.2	3.8
11/9/2000	NA	5.0	5.3	NA
11/17/2000	3.1	4.2	3.4	6.0
3/15/2001	2.0	7.0	1.4	2.1
4/2/2001	1.0	0.8	2.0	1.0
6/1/2001	0.2	0.2	6.6	0.3
6/28/2001	0.3	0.6	0.5	0.7
8/16/2001	0.5	6.5	1.6	0.8
8/30/2001	0.3	0.4	0.2	0.5
12/14/2001	0.0	3.8	2.2	0.2
12/26/2001	0.2	0.3	0.2	0.2
4/10/2002	0.6	0.6	0.2	0.4
4/23/2002	0.3	0.4	0.9	0.5
6/3/2002	0.4	5.2	4.3	0.7
6/14/2002	0.3	0.3	0.4	0.3
8/5/2002	0.3	0.3	0.4	0.4
8/14/2002	0.3	0.3	0.4	0.6
12/6/2002	1.0	0.9	NA[1]	0.6
12/27/2002	0.9	1.0	NA[2]	1.2
4/1/2003	0.3	1.1	NA[2]	NA[1]
7/1/2003	7.7	7.7	NA[2]	7.2
9/24/2003	6.3	7.2	0.6	0.9
12/29/2003	0.2	0.3	0.6	0.6
5/18/2004	0.4	0.5	0.4	0.4
6/30/2004	0.4	0.7	0.5	1.1
9/23/2004	4.6	1.0	1.2	1.8
12/28/2004	0.4	0.2	0.3	4.3
3/16/2005	0.4	0.1	0.5	0.5
6/23/2005	0.6	0.6	0.8	0.6
9/9/2005	0.6	0.6	0.7	1.1
12/2/2005	1.5	2.0	1.1	0.9
3/24/2006	0.8	0.7	0.9	0.9
6/29/2006	1.1	1.1	0.7	1.2
9/13/2006	0.6	1.0	1.5	1.1
12/27/2006	7.9	7.0	0.4	0.6
3/30/2007	1.3	1.3	1.9	1.9
7/2/2007	2.0	1.5	1.6	1.7
10/2/2007	6.3	7.8	5.7	0.2
12/13/2007	0.6	0.3	0.7	0.7

Table 1. Groundwater Parameters
BPS Reprographic Services Facility
1700 Jefferson St.
Oakland CA

REDOX (mvolts)	MW-1	MW-3	MW-5	MW-6
5/30/2000	-322	197	-128	203
9/15/2000	-269	3	-89	206
11/17/2000	64	178	296	230
4/2/2001	-194	26	-36	102
6/28/2001	-310	-283	-360	107
8/30/2001	NA[1]	NA[1]	NA[1]	NA[1]
12/26/2001	12	11	11	11
4/23/2002	3	62	-299	158
6/14/2002	0	245	-215	254
8/20/2002	-294	-315	-238	228
12/27/2002	-315	-357	NA[2]	-12
4/1/2003[b]	-82	-75	NA[2]	172
7/1/2003[b]	212	230	NA[2]	227
9/24/2003[b]	-166	-300	-183	50
12/29/2003[b]	-329	-198	-269	114
5/18/2004	-309	-189	-248	115
6/30/2004	-270	-343	-165	104
9/23/2004	-314	-284	-162	96
12/28/2004	-303	101	-110	127
3/16/2005	-36	-50	-162	177
6/23/2005	-225	-42	-117	109
9/9/2005	-30	-52	-152	98
12/2/2005	-26	-141	-108	20
3/24/2006	-179	-118	-112	87
6/29/2006	-202	-182	-151	6
9/13/2006	-270	-257	-222	36
12/27/2006	-329	-265	-305	36
3/30/2007	-324	-340	243	-61
7/2/2007	-317	-292	169	-93
10/2/2007	13	-305	-217	16
12/13/2007	-283	-322	-240	106

Temperature (deg F)	MW-1	MW-3	MW-5	MW-6
9/29/1999	67.0	72.6	67.7	73.8
11/22/1999	66.4	62.9	65.0	69.8
2/11/2000	61.3	63.2	62.0	68.5
5/30/2000	77.7	74.8	76.3	76.2
9/15/2000	64.4	64.3	64.7	67.0
11/17/2000	54.5	58.1	68.1	65.9
4/2/2001	63.5	64.9	66.2	66.4
6/28/2001	73.0	71.2	74.7	74.3
8/30/2001	74.8	77.6	78.3	78.7
12/26/2001	65.7	65.8	65.8	65.1
4/23/2002	64.4	69.8	37.1	71.6
6/14/2002	66.7	67.5	66.7	68.0
8/20/2002	64.6	67.6	66.2	68.0
12/27/2002	41.7	42.5	NA[2]	41.7
4/1/2003[b]	64.6	67.6	NA[2]	68.0
7/1/2003[ab]	79.4	80.3	NA[2]	81.9
9/24/2003[b]	65.1	67.1	65.7	68.5

Table 1. Groundwater Parameters
BPS Reprographic Services Facility
1700 Jefferson St.
Oakland CA

Temperature (deg F)	MW-1	MW-3	MW-5	MW-6
12/29/2003[b]	65.0	67.5	67.1	68.0
5/18/2004	69.0	69.0	63.0	68.0
6/30/2004	65.8	68.0	69.1	70.0
9/23/2004	67.6	69.3	68.9	74.5
12/28/2004	60.3	60.4	59.2	62.6
3/16/2005	63.3	66.0	64.4	66.0
6/23/2005	64.4	66.7	65.8	66.9
9/9/2005	69.0	70.3	69.8	71.0
12/2/2005	61.5	63.7	62.2	62.1
3/24/2006	63.7	66.4	65.3	62.6
6/29/2006	69.3	68.2	71.2	72.1
9/13/2006	64.8	66.6	65.7	68.5
12/26/2006	59.7	60.4	61.2	57.9
3/30/2007	64.0	65.8	66.0	64.4
7/2/2007	65.1	66.6	66.6	66.0
10/2/2007	68.0	67.3	66.0	71.6
12/13/2007	60.1	62.4	61.5	61.3
pH	**MW-1**	**MW-3**	**MW-5**	**MW-6**
9/29/1999	8.4	8.5	8.4	8.4
11/22/1999	6.9	8.4	6.8	6.8
2/11/2000	6.8	6.9	6.8	6.7
5/30/2000	7.0	7.4	7.5	7.6
9/15/2000	7.1	7.5	6.8	6.6
11/17/2000	7.4	7.7	7.1	7.3
4/2/2001	7.0	6.6	7.1	7.0
6/28/2001	6.9	6.7	6.8	6.8
8/30/2001	7.9	7.9	7.9	8.4
12/26/2001	6.2	6.9	7.1	6.7
4/23/2002	6.9	7.0	6.9	6.9
6/14/2002	7.1	7.2	7.1	6.9
8/20/2002	NA[1]	6.9	NA[1]	6.9
12/27/2002	6.3	6.4	NA[2]	6.5
4/1/2003[b]	6.9	7.1	NA[2]	6.7
7/1/2003[b]	7.4	7.6	NA[2]	7.7
9/24/2003[b]	7.1	7.3	7.3	7.2
12/29/2003[b]	6.7	6.5	6.8	6.7
5/18/2004	6.7	6.5	6.7	6.5
6/30/2004	6.6	6.6	6.3	NA[1]
9/23/2004	6.7	6.6	6.5	6.5
12/28/2004	6.5	5.3	6.6	6.8
3/16/2005	6.3	5.7	5.8	6.2
6/23/2005	6.4	6.1	6.5	6.6
9/9/2005	6.5	6.1	6.1	7.0
12/2/2005	6.5	5.9	7.6	7.1
3/24/2006	7.1	7.6	6.8	7.4
6/29/2006	6.5	6.1	7.3	7.0
9/13/2006	6.9	7.4	6.6	8.3
12/27/2006	6.3	5.2	6.0	6.0
3/30/2007	6.5	5.5	6.4	6.3
7/2/2007	6.3	6.1	6.7	6.5
10/2/2007	6.1	5.9	6.4	6.7
12/13/2007	6.9	6.8	7.1	6.8

Table 1. Groundwater Parameters
BPS Reprographic Services Facility
1700 Jefferson St.
Oakland CA

Specific Conductance (µS/cm)	MW-1	MW-3	MW-5	MW-6
9/29/1999	976	880	1,577	966
11/22/1999	1,004	1,500	1,352	1,038
2/11/2000	992	1,327	1,275	1,149
5/30/2000	845	1,020	758	924
9/15/2000	800	917	989	1,009
11/17/2000	785	970	742	886
4/2/2001	725	365	839	821
6/28/2001	1080	704	876	1021
8/30/2001	924	1015	975	931
12/26/2001	848	496	333	891
4/23/2002	922	601	848	977
6/14/2002	932	767	810	961
8/20/2002	1015	809	891	985
12/27/2002	956	791	NA[2]	903
4/1/2003[b]	1128	800	NA[2]	1021
7/1/2003[b]	1020	690	NA[2]	970
9/24/2003[b]	951	697	987	890
12/29/2003[b]	1143	396	993	934
5/18/2004	1060	692	922	1037
6/30/2004	1006	725	970	962
9/23/2004	1027	656	966	1007
12/28/2004	875	69	807	873
3/16/2005	899	69	831	872
6/23/2005	799	102	718	814
9/9/2005	852	103	817	881
12/2/2005	891	39	750	811
3/24/2006	1156	208	996	1042
6/29/2006	1113	658	795	932
9/13/2006	1088	591	873	650
12/27/2006	996	145	775	847
3/30/2007	1063	303	919	918
7/2/2007	887	337.8	949	776
10/2/2007	1133	364.4	930	1033
12/13/2007	1033	490	839	394.3

Note:
Baseline dissolved oxygen measurement taken on 09/29/99, prior to initial installation of oxygen releasing compound

mg/l = milligrams per liter
mvolts = millivolts
deg F = degrees Fahrenheit
µS/cm = micro-ohms per centimeter
NA = Not Available
1 = indicates data not available due to equipment malfunction
2= not available due to ORC socks stuck in well on these dates
a = indicates dissolved oxygen and temperature readings collected on this date above typical range and should be considered suspect
b = indicates this data collected post purge

Checked
Accepted

Table 2. Groundwater Elevation Data
BPS Reprographic Services Facility
1700 Jefferson St
Oakland CA

	MW-1		MW-3		MW-5		MW-6		Average
	TOC Elev.	32.36	TOC Elev.	31.77	TOC Elev.	30.56	TOC Elev.	31.26	Change
Date Sampled	Water Level	Water Elevation	Water Level	Water Elevation	Water Level	Water Elevation	Water Level	Water Elevation	Since Preceding Quarter
3/6/1996	NM	--	24.79	6.98	23.53	7.03	NA	--	
6/11/1996	FP	--	25.60	6.17	23.78	6.78	25.16	6.10	-0.53
9/19/1996	FP	--	26.09	5.68	24.48	6.08	25.76	5.50	-0.60
12/23/1996	FP	--	FP	--	24.83	5.73	25.88	5.38	-0.23
3/27/1997	FP	--	FP	--	23.82	6.74	24.78	6.48	1.06
6/4/1997	26.41	5.95	25.11	6.66	23.92	6.64	24.60	6.66	0.04
9/26/1997	26.80	5.56	25.41	6.36	24.29	6.27	24.80	6.46	-0.32
12/22/1997	26.00	6.36	24.91	6.86	24.02	6.54	24.71	6.55	0.42
3/31/1998	26.06	6.30	24.05	7.72	22.78	7.78	23.75	7.51	0.75
6/18/1998	25.60	6.76	23.71	8.06	22.51	8.05	23.22	8.04	0.40
8/28/1998	25.45	6.91	23.70	8.07	22.74	7.82	22.23	9.03	0.23
12/2/1998	24.92	7.44	23.60	8.17	23.16	7.40	23.72	7.54	-0.32
3/10/1999	24.90	7.46	22.65	9.12	22.82	7.74	23.54	7.72	0.37
6/30/1999	25.53	6.83	23.07	8.70	22.41	8.15	23.04	8.22	-0.04
9/29/1999	24.23	8.13	23.03	8.74	22.81	7.75	23.42	7.84	0.14
11/22/1999	24.33	8.03	23.68	8.09	22.88	7.68	23.64	7.62	-0.26
2/11/2000	24.38	7.98	23.74	8.03	22.74	7.82	23.67	7.59	0.00
5/30/2000	23.57	8.79	22.97	8.80	21.73	8.83	22.82	8.44	0.86
9/15/2000	23.85	8.51	23.12	8.65	22.14	8.42	23.10	8.16	-0.28
11/16/2000	24.14	8.22	23.40	8.37	22.39	8.17	23.41	7.85	-0.28
4/2/2001	23.40	8.96	23.40	8.37	22.07	8.49	23.33	7.93	0.29
6/28/2001	23.58	8.78	23.17	8.60	22.15	8.41	23.15	8.11	0.04
8/30/2001	24.00	8.36	23.35	8.42	22.35	8.21	23.35	7.91	-0.25
12/26/2001	24.18	8.18	23.54	8.23	22.49	8.07	23.27	7.99	-0.11
4/23/2002	NA	NA	22.89	8.88	21.07	9.49	22.89	8.37	0.82
6/14/2002	23.41	8.95	22.85	8.92	21.80	8.76	22.81	8.45	-0.20
8/20/2002	23.85	8.51	23.11	8.66	22.14	8.42	23.15	8.11	-0.31
12/27/2002	24.10	8.26	23.34	8.43	*NA	*NA	23.41	7.85	-0.24
4/1/2003	23.75	8.61	22.90	8.87	*NA	*NA	23.16	8.10	0.35
7/1/2003	23.50	8.86	22.80	8.97	*NA	*NA	22.75	8.51	0.25
9/24/2003	23.82	8.54	23.15	8.62	22.21	8.35	23.16	8.10	-0.27
12/29/2003	24.07	8.29	23.45	8.32	22.56	8.00	23.47	7.79	-0.30
5/18/2004	23.64	8.72	22.98	8.79	21.85	8.71	22.87	8.39	0.55
6/30/2004	23.64	8.72	23.04	8.73	22.00	8.56	22.43	8.83	0.06
9/23/2004	23.98	8.38	23.32	8.45	22.36	8.20	23.30	7.96	-0.46
12/28/2004	24.07	8.29	28.71	3.06**	22.42	8.14	23.42	7.84	-1.42
3/16/2005	23.80	8.56	23.70	8.07	22.11	8.45	23.60	7.66	1.35
6/23/2005	22.90	9.46	22.40	9.37	21.20	9.36	22.27	8.99	1.11
9/9/2005	23.27	9.09	22.63	9.14	21.68	8.88	22.55	8.71	-0.34
12/2/2005	23.75	8.61	23.03	8.74	22.19	8.37	23.05	8.21	-0.47
3/24/2006	23.05	9.31	22.57	9.20	21.01	9.55	22.50	8.76	0.72
6/29/2006	22.56	9.80	21.93	9.84	20.78	9.78	21.85	9.41	0.50
9/13/2006	23.00	9.36	22.35	9.42	21.35	9.21	22.31	8.95	-0.47
12/27/2006	23.47	8.89	22.82	8.95	21.82	8.74	22.85	8.41	-0.49
3/30/2007	23.51	8.85	22.91	8.86	21.70	8.86	22.88	8.38	-0.01
7/2/2007	23.39	8.97	22.88	8.89	21.81	8.75	22.75	8.51	0.04
10/2/2007	23.87	8.49	23.20	8.57	22.22	8.34	23.17	8.09	-0.41
12/13/2007	24.05	8.31	23.40	8.37	22.31	8.25	23.37	7.89	-0.17

Note: All measurements shown in feet.
TOC Elev. = top of casing elevation
NM = not monitored
FP = free product
-- = no data collected
NA = not available
* This data not available due to ORC socks stuck in well
** This data is suspect due to probable equipment malfunction or operator error.

Checked JK
Approved SMP

Groundwater Remediation Montioring Report
BPS Repro Services
MACTEC No. 4097041918-5

Table 3. Groundwater Monitoring Analytical Results - Using Purge Method
8/1/1991 to 9/29/1999

2/5/2008
Final
Tables4Q07.xls

	Date Sampled																								
TPHg (mg/L)	8/1/1991	9/30/1992	3/30/1993	1/13/1994	4/13/1994	6/29/1994	12/8/1994	4/3/1995	6/27/1995	9/19/1995	12/13/1995	3/6/1996	6/11/1996	9/19/1996	12/23/1996	3/27/1997	6/4/1997	9/26/1997	12/23/1997	3/31/1998	6/18/1998	8/28/1998	12/2/1998	3/10/1999	6/30/1999	9/29/1999[1]
MW-1	FP	FP	FP	FP	FP	FP	FP	NA	NA	NA	NA	NA	FP	FP	FP	FP	68	59	41	44	32	26	26	26	18	21
MW-1A	350	FP	FP	FP	170	95	190	67	53	52	62	200	140	100	FP	66	54	73	66	51	50	15	41	10	18	NA
MW-3	74	FP	FP	FP	FP	39	4,600	51	20	6.2	19	7	16	6	FP	FP	85	47	32	32	16	17	3.2	9.6	7.9	5.0
MW-4	86	FP	FP	FP	58	16	92	35	13	14	11	110	260	95	FP	37	24	41	48	NA	25	48	10	11	8.8	NA
MW-5	120	51	74	80	63	64	59	51	41	50	45	51	48	48	45	44	35	36	39	48	17	16	15	23	7.7	11
MW-6	--	--	--	--	--	--	--	--	--	--	--	--	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Benzene (µg/L)																										
MW-1	FP	FP	FP	FP	FP	FP	FP	NA	NA	NA	NA	NA	FP	FP	FP	FP	2,200	6,000	6,800	8,300	1,100	8,600	9,200	8,200	7,000	9,200
MW-1A	17,000	FP	FP	FP	17,000	16,000	13,000	11,000	11,000	8,900	9,900	14,000	18,000	16,000	FP	12,000	11,000	10,000	10,000	9,100	11,000	1,100	8,500	2,300	6,400	NA
MW-3	1,600	FP	FP	FP	FP	3,200	1,500	1,100	270	70	220	120	170	45	FP	FP	8,500	610	640	690	180	84	39	86	31	120
MW-4	1,500	FP	FP	FP	1,500	1,300	1,700	1,200	1,300	2,200	630	2,600	6,600	9,900	FP	2,600	2,600	2,900	6,000	NA	2,000	9,700	1,700	2,300	1,800	NA
MW-5	20,000	13,000	16,000	19,000	14,000	29,000	13,000	15,000	12,000	1,600	13,000	15,000	12,000	12,000	12,000	11,000	8,900	7,900	13,000	10,000	9,500	5,400	8,400	14,000	5,200	9,600
MW-6	--	--	--	--	--	--	--	--	--	--	--	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Toluene (µg/L)																										
MW-1	FP	FP	FP	FP	FP	FP	FP	NA	NA	NA	NA	NA	FP	FP	FP	14,000	4,500	3,000	3,000	3,700	3,800	2,300	4,300	5,900	5,800	10,000
MW-1A	31,000	FP	FP	FP	31,000	21,000	21,000	13,000	9,900	9,200	11,000	22,000	28,000	22,000	FP	15,000	12,000	16,000	16,000	11,000	15,000	830	11,000	1,900	7,800	NA
MW-3	4,600	FP	FP	FP	FP	2,900	4,200	2,300	550	140	480	170	270	30	FP	FP	13,000	6,000	5,300	3,800	1,500	1,100	85	540	330	340
MW-4	6,200	FP	FP	FP	2,500	790	4,100	3,400	1,600	2,100	470	3,600	19,000	19,000	FP	6,900	3,200	5,000	11,000	NA	460	11,000	610	2,100	3,000	NA
MW-5	14,000	5,900	5,000	8,200	3,500	5,400	3,800	2,200	2,100	2,700	2,100	2,800	2,900	4,500	2,200	1,100	560	270	500	400	310	160	120	300	270	710
MW-6	--	--	--	--	--	--	--	--	--	--	--	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Ethylbenzene (µg/L)																										
MW-1	FP	FP	FP	FP	FP	FP	FP	NA	NA	NA	NA	NA	FP	FP	FP	FP	1,500	1,600	1,400	1,100	550	730	820	870	950	1,200
MW-1A	3,000	FP	FP	FP	2,100	1,500	1,400	910	500	710	790	2,700	2,800	2,100	FP	1,400	1,000	1,400	1,400	1,100	870	31	720	1,600	660	NA
MW-3	670	FP	FP	FP	FP	580	6,000	580	190	68	140	49	68	15	FP	FP	2,400	930	800	870	490	430	25	250	200	230
MW-4	1,000	FP	FP	FP	520	51	310	280	77	110	14	780	3,700	2,000	FP	540	140	350	580	NA	ND(15)	890	ND(15)	88	150	NA
MW-5	1,900	1,400	1,800	1,400	1,500	2,800	1,800	2,800	1,400	2,000	16,000	2,000	2,000	2,300	2,700	1,900	1,500	1,500	1,900	2,000	420	1,100	1,500	1,800	1,100	1,100
MW-6	--	--	--	--	--	--	--	--	--	--	--	--	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.5	ND(0.5)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Xylenes (µg/L)																										
MW-1	FP	FP	FP	FP	FP	FP	FP	NA	NA	NA	NA	NA	FP	FP	FP	FP	11,000	8,600	6,600	4,300	3,000	2,100	2,800	3,500	2,500	5,500
MW-1A	22,000	FP	FP	FP	14,000	12,000	11,000	9,800	6,300	6,800	5,300	22,000	19,000	14,000	FP	100	7,200	8,500	12,000	6,800	5,800	3,000	6,700	2,300	4,100	NA
MW-3	4,300	FP	FP	FP	FP	4,300	95,000	4,800	1,700	500	1,700	440	1,500	300	FP	FP	16,000	5,900	5,900	5,200	3,700	3,800	360	2,300	1,800	1,300
MW-4	7,300	FP	FP	FP	3,200	3,400	5,400	5,800	1,800	2,100	1,800	10,000	28,000	13,000	FP	5,500	3,500	4,800	8,200	NA	6,400	5,000	2,300	1,600	2,700	NA
MW-5	4,900	2,600	2,700	2,700	2,100	4,500	2,900	4,500	1,600	2,100	1,900	2,400	2,700	4,000	6,500	2,800	1,700	1,300	1,700	2,200	850	900	840	1,100	690	1,100
MW-6	--	--	--	--	--	--	--	--	--	--	--	--	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(0.60)	ND(0.60)	ND(0.60)	ND(0.60)	ND(0.60)	ND(0.60)
MTBE (µg/L)																										
MW-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	FP	FP	ND(500)	ND(500)	300	420	ND(50)	ND(50)	ND(50)	ND(50)	ND(25)	ND(250)
MW-1A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,800	ND(500)	ND(500)	1,900	300	ND(50)	ND(50)	ND(50)	ND(50)	ND(25)	NA
MW-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	FP	FP	ND(500)	ND(100)	ND(300)	350	ND(25)	ND(50)	ND(50)	ND(25)	ND(25)	10
MW-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,400	ND(300)	ND(500)	270	NA	ND(50)	ND(50)	ND(50)	ND(25)	ND(25)	NA
MW-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	600	300	ND(100)	ND(500)	ND(1000)	350	ND(10)	ND(50)	ND(50)	ND(25)	ND(100)
MW-6	--	--	--	--	--	--	--	--	--	--	--	--	NA	NA	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

TPHg = total petroleum hydrocarbons as gasoline
MTBE = methyl t-butyl ether
(mg/l) milligrams per liter
(µg/l) micrograms per liter

ND = Not detected above the reporting limit in parenthesis
NA = Not analyzed
FP = Free Product - well not sampled
-- = Well did not exist at date indicated

1 A sample was collected on this date both post and pre purge. Sample results collected pre purge are shown on Table 3.
Sample results collected post purge are shown on Table 4.

Checked DGW
Approved SHP

Table 4. Groundwater Monitoring Analytical Results
BPS Reprographic Services Facility
1700 Jefferson St
Oakland CA

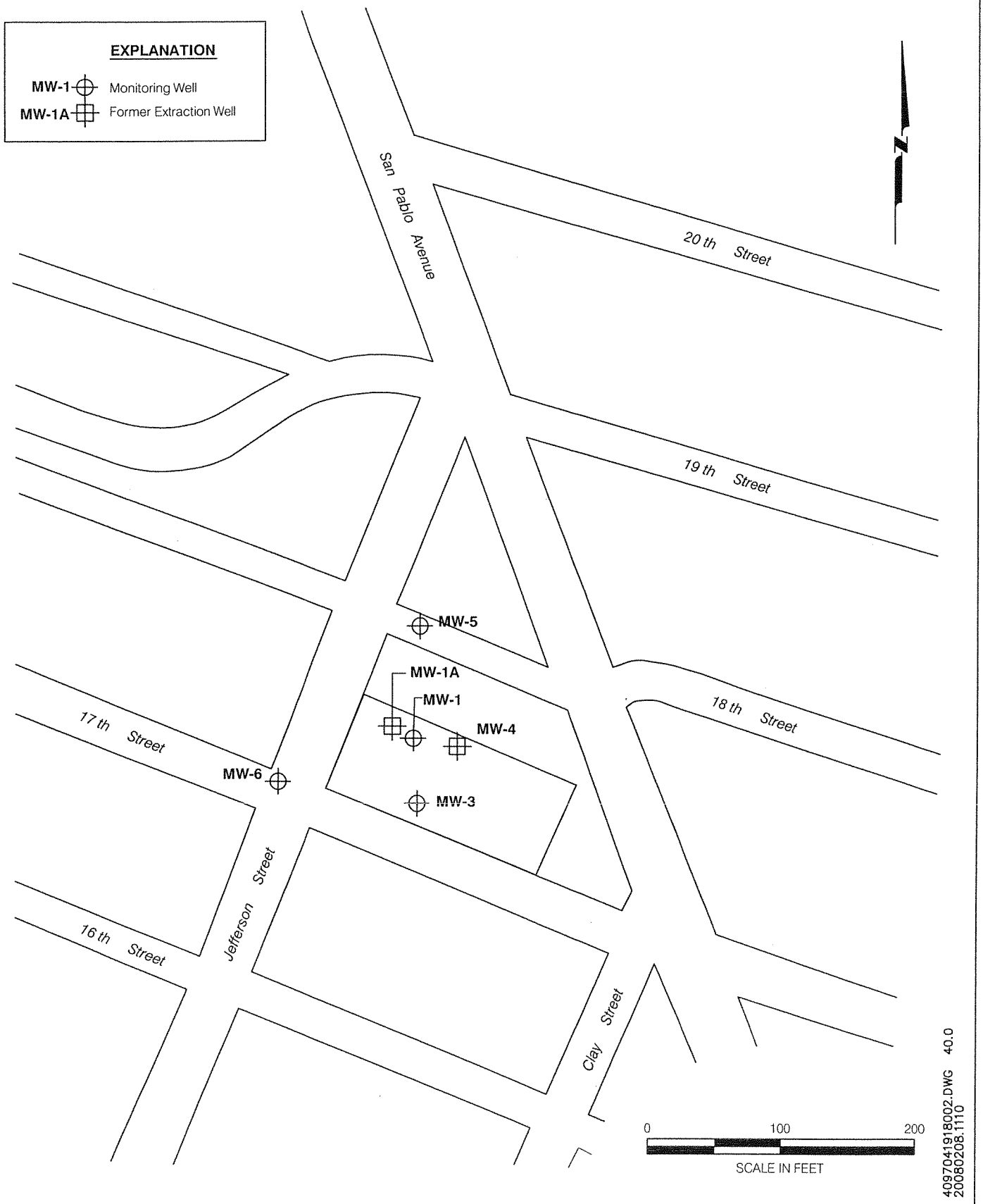
		Date Sampled																														
TPHg (mg/L)		9/25/1999[6]	11/22/1999	2/11/2000	5/30/2000	9/15/2000	11/16/2000	4/2/2001	6/28/2001	8/30/2001	12/26/2001	4/24/2002	6/14/2002	8/20/2002	12/27/2002	4/1/2003	7/1/2003[2]	9/25/2003[3]	12/29/2003[3]	5/18/2004	6/30/2004	9/23/2004	12/28/2004	3/16/2005	6/23/2005	9/9/2005	12/2/2005	5/24/2006	6/29/2006	9/13/2006	12/27/2006	3/30/2007	7/2/2007	10/2/2007	12/13/2007
	MW-1	14	24	19	19	26	18	19	39	31	34	35	35	26	28	16	61	59	46	23	24	24	22	21	30	7.1	19	29	23	20	31	30	14	19	18
	MW-3	4.1	3.1	0.54	0.49	1.5	1.3	0.17	4.9	3.1	0.93	300	4.6	4.9	4	5.9	12	10	7.3	1.5	2.0	3.4	3.9	0.97	0.85	3.9	0.76	0.59	1.1	1.3	3	3.1	2.6	1.9	2.9
	MW-5	10	30	23	19	24	1.8	15	3.6	34	1.9	9.4	1.7	3.2	*6.2	NA[4]	NA[4]	43	26	15	18	42	41	37	27	46	21	ND<10	1.2	5.8	16	31	33	36	34
	MW-6	ND<0.5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	0.066	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	0.059	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Benzene (µg/L)																																			
	MW-1	6,200	4,900	4,100	5,700	4,100	3,500	4,700	5,200	5,600	5,300	4,900	5400	4100	4,500	4,500	7,700	7600	6600	4,100	3,500	3,800	3,400	4,100	5,400	840	3,600	6,200	4,800	4500	6000	5000	2500	3400	3500
	MW-3	180	6.5	8.3	11	28	20	9	150	42	8	11	130	330	110	370	200	150	160	77	81	140	340	1.4	56	470	14	83	130	260	250	250	250	170	250
	MW-5	14,000	11,000	12,000	9,900	3,800	470	7,400	300	8,200	300	2,300	110	320	*2200	NA[4]	NA[4]	12,000	7700	5,000	5,700	12,000	10,000	11,000	7,700	10,000	5900	2800	240	1600	4300	10000	9400	11000	11,000
	MW-6	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.30	ND<0.30	ND<0.50	ND<0.50	3.6	ND<0.50	ND<0.50	ND<0.50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Toluene (µg/L)																																			
	MW-1	5,900	5,000	4,800	8,400	5,700	4,300	5,200	4,200	5,100	5,200	6,000	6,800	4700	5,000	6000	11,000	9400	7900	4,700	3,600	3,900	3,400	4,200	5,500	950	3,500	6,000	4,000	3900	5300	4600	2000	2700	2700
	MW-3	340	33	20	5.6	14	34	6.2	240	48	5.2	4.8	470	170	280	150	460	300	250	72	37	95	37	1.8	7.3	100	8	41	28	71	160	260	250	140	170
	MW-5	470	3,400	4,500	6,900	3,000	220	3,000	11	3,000	110	130	ND<2.5	8.6	*140	NA[4]	NA[4]	2800	1900	1,300	1,600	3,900	3,800	3,800	1,700	2,700	1500	450	11	210	610	1400	1400	2100	2600
	MW-6	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.30	ND<0.30	2.9	ND<0.50	3.6	ND<0.50	ND<0.50	ND<0.50	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.84
Ethylbenzene (µg/L)																																			
	MW-1	620	730	550	730	540	640	570	660	560	630	740	870	620	660	680	1200	1000	960	450	390	470	380	470	520	120	410	620	330	400	710	520	280	400	390
	MW-3	130	27	2.4	0.45	2.6	25	1.4	38	26	1.1	0.72	91	40	57	44	130	120	79	19.60	34.0	36	11	0.66	ND<5	33	2.4	7.3	16	44	49	46	54	24	66
	MW-5	1,100	1,500	1,200	1,200	460	39	1000	16	1,400	55	300	7.2	22	*160	NA[4]	NA[4]	1500	910	380	540	1,200	1,000	1,100	680	1,100	600	190	13	180	460	1100	1000	1100	1200
	MW-6	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.30	ND<0.30	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Total Xylenes (µg/L)																																			
	MW-1	3,500	3,500	2,800	3,500	2,700	3,200	2,600	3,900	2,500	2,400	3,100	3500	2700	3,000	3100	6700	4800	4000	1,500	1,300	1,400	1,400	1,300	1,900	410	1,300	2,000	1,200	1400	2500	1700	930	1200	1100
	MW-3	580	260	28	17	160	28	8.1	160	210	7	1.4	390	150	260	230	390	280	210	59	40	40	60	2.9	12	96	17	33	21	28	140	110	130	48	120
	MW-5	600	2,500	1,300	2,600	1,200	100	2,200	15	2,600	120	270	ND<2.5	19	*250	NA[4]	NA[4]	3000	210	770	1,200	2,400	2,300	2,400	1,300	2,100	1200	180	18	270	750	1600	1500	1700	1900
	MW-6	ND<0.6	ND<0.6	ND<0.6	ND<0.6	ND<0.6	ND<0.60	ND<0.30	2.7	ND<0.50	8.7	ND<0.50	ND<0.50	ND<0.50	ND<0.5	ND<0.5	ND<2.5	ND<2.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
MTBE (µg/L)																																			
	MW-1	ND<250	ND<100	6.6	ND<5.0[1]	ND<12[1,2]	ND<40[1,2]	50[1]	8.5[1]	ND<100[1,2]	ND<120	ND<120	ND<250	ND<120	ND<120	ND<120	ND<250	ND<1200	ND<250	ND<50	ND<50	[1]ND<25	ND<250	ND<50[1]	ND<1,200	ND<120	ND<2.5	ND<500	ND<500	ND<250	ND<500	ND<500	ND<500	ND<500	ND<500
	MW-3	14	ND<1.0	31	ND<5.0[1]	ND<5[1]	ND<5[1]	77[1]	ND<2[1]	ND<1.2[1]	ND<0.50[1]	ND<0.50[1]	ND<0.50[1]	ND<5[1]	19	ND<1.0[1]	ND<5[1]	ND<2.5[1]	ND<2.5[1]	ND<12	ND<1.0	[1]ND<10	ND<5[1]	ND<2.5	ND<25	ND<62	ND<0.5	ND<12	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25
	MW-5	ND<100	ND<100	6.6	ND<200	ND<10[1,2]	ND<5[1]	ND<50[1]	4.4[1]	ND<50[1]	ND<10[1]	ND<50	ND<0.50[1]	ND<0.50[1]	*ND(25)	NA[4]	NA[4]	ND<1200	ND<2.5[1]	ND<50	ND<50	ND<120	ND<250	ND<120	ND<1,200	ND<1,200	ND<500	ND<500	ND<2.5	ND<120	ND<500	ND<500	ND<500	ND<620	ND<1,200
	MW-6	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	5[1,3]	17[1]	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5
Ethylene Dichloride (µg/L)																																			
	MW-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	370	ND<120	400	[7]500	360	320	320	260	180	190	240	290	300	280	ND<0.50	260	350	220	220	190	180
	MW-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<12	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	MW-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*220	[4]NA	[4]NA	610	410	290	610	670	290	610	190	300	320	330	ND<0.50	55	180	360	410	400	340
	MW-6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

mg/L = milligrams per liter
µg/L = micrograms per liter
ND = Not detected above the reporting limit following the less than sign
NA = Not Available
MTBE = methyl t-butyl ether
NR = Not Required per ACHCS direction indicating if analyte not detected during 12/27/02 sampling event then the analyte does not need continued monitoring/MW-1 and MW-5 are the only wells currently sampled for Ethylene Dichloride (see report text for details)
1 Result of MTBE confirmation by EPA Method 8260.
2 Reporting limits elevated due to matrix interference.
3 Detection limit = 5 ug/L, backup sample analyzed after hold time had a result of ND<5 µg/l.
4 Data from April 1 and July 1, 2003 sampling event not available due to ORC sock obstruction in well (see report for details)
5 Samples collected post purge on this date, all other samples collected without purging (see report for details)
6 A sample was collected on this date both post and pre purge. The sample results collected post purge are shown on Table 3.
7 EDC Detected at same concentration as detection limit.

* = Fourth Quarter 2002 analytical data for MW-5 collected on January 3, 2003

Checked
Approved

PLATES

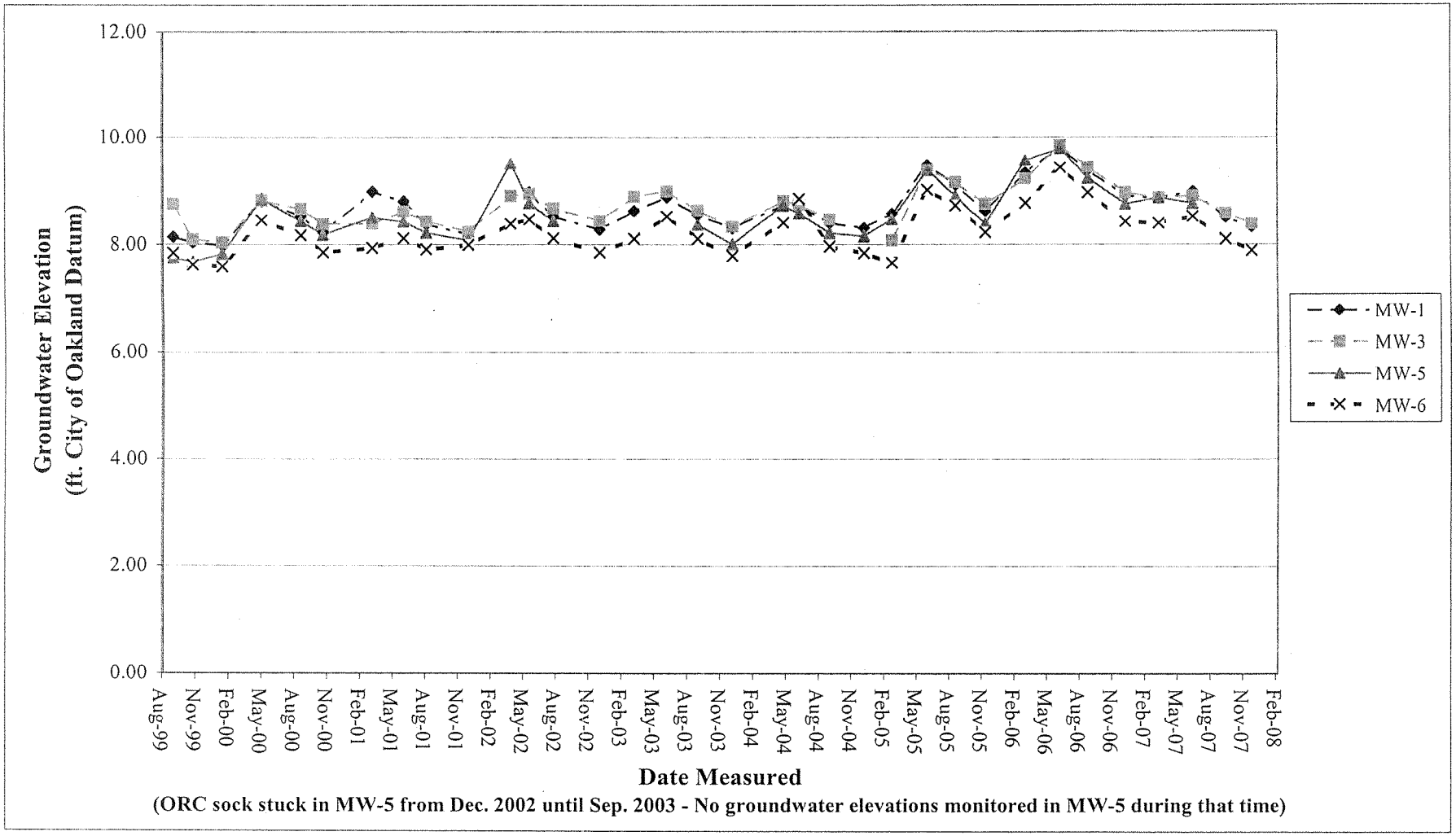


MACTEC

Site Map
Groundwater Remediation and Monitoring Report
Fourth Quarter 2007
BPS Reprographic Services Facility
Oakland, California

PLATE
1

DRAWN	JOB NUMBER	CHECKED	CHECKED DATE	APPROVED	APPROVED DATE
ACM	4097041918 05	AGJ	02/08	SLP	3/08



(ORC sock stuck in MW-5 from Dec. 2002 until Sep. 2003 - No groundwater elevations monitored in MW-5 during that time)

MACTEC

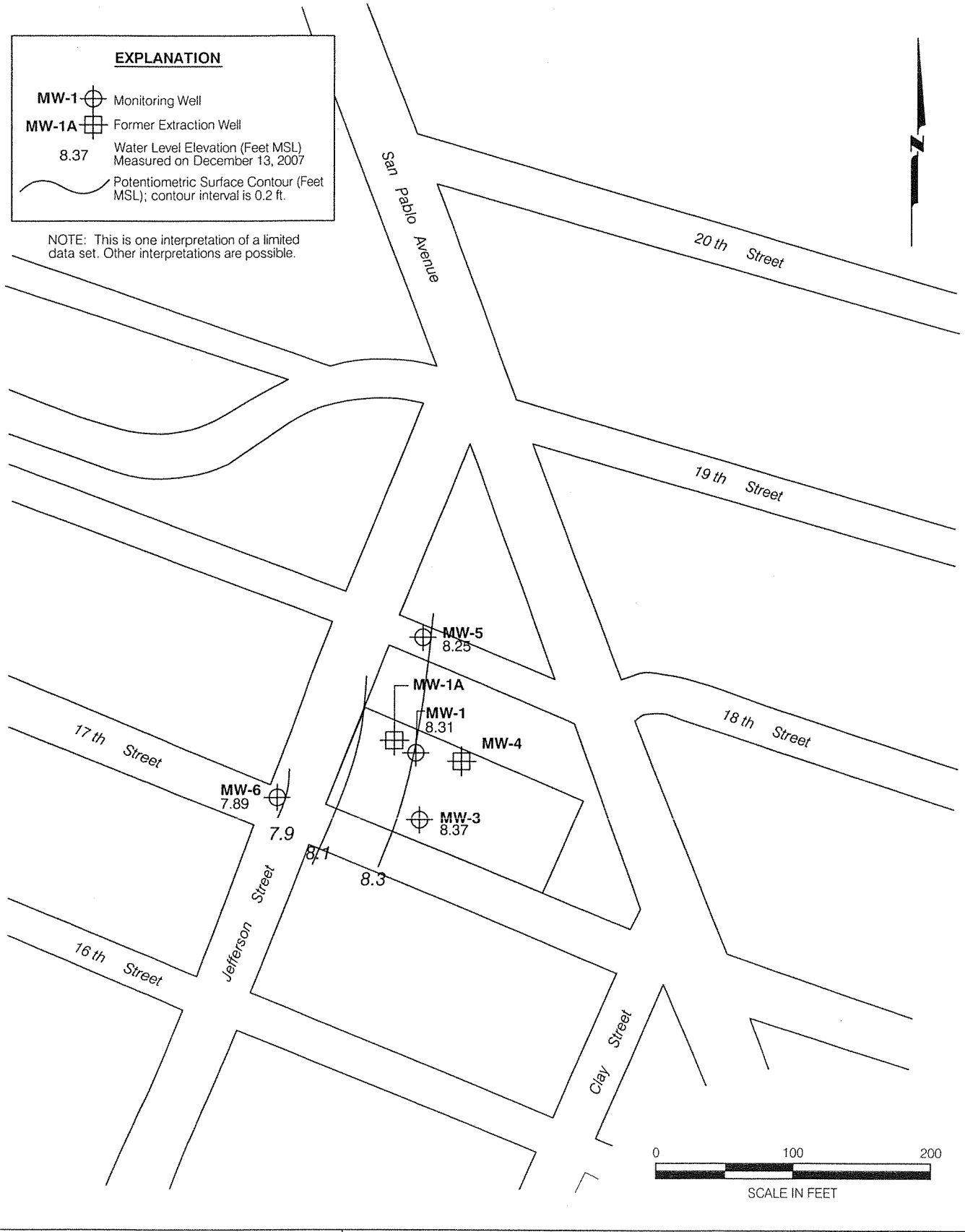
Groundwater Elevation Data
Fourth Quarter 2007
BPS Reprographic Services Facility
1700 Jefferson Steet
Oakland, California

Plate
2

DRAWN	JOB NUMBER	APPROVED	DATE	REVISION DATE
DSN	4097041918	DSN	February-08	

Checked

Approved



4097041918002.DWG 1.0
20070530.1343

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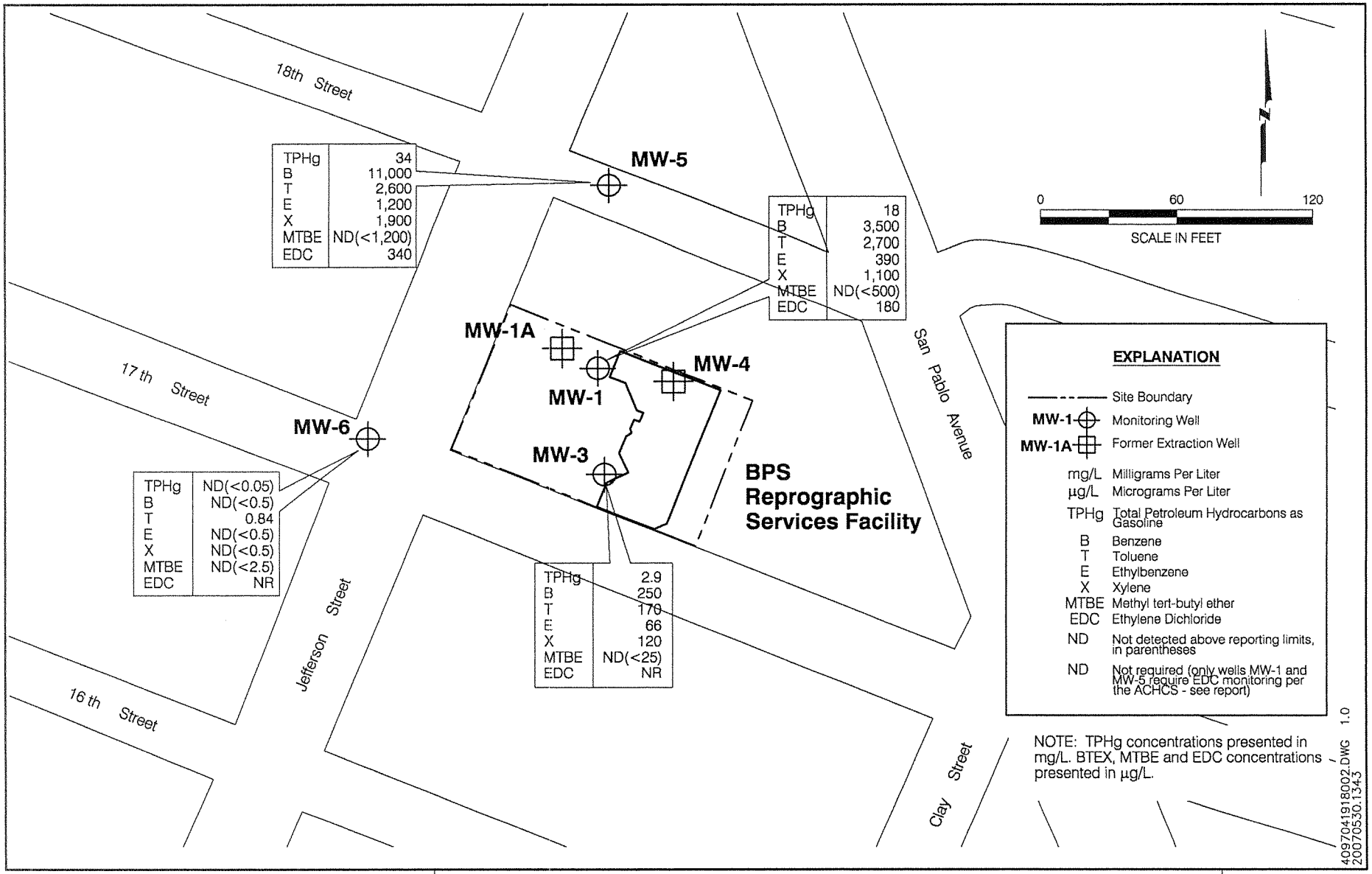
Groundwater Contours
Groundwater Remediation and Monitoring Report
Fourth Quarter 2007
BPS Reprographic Services Facility
Oakland, California

PLATE
3

DRAWN	JOB NUMBER	CHECKED	CHECKED DATE	APPROVED	APPROVED DATE
ACM	4097041918 05	DSW	02/08	SKP	3/08

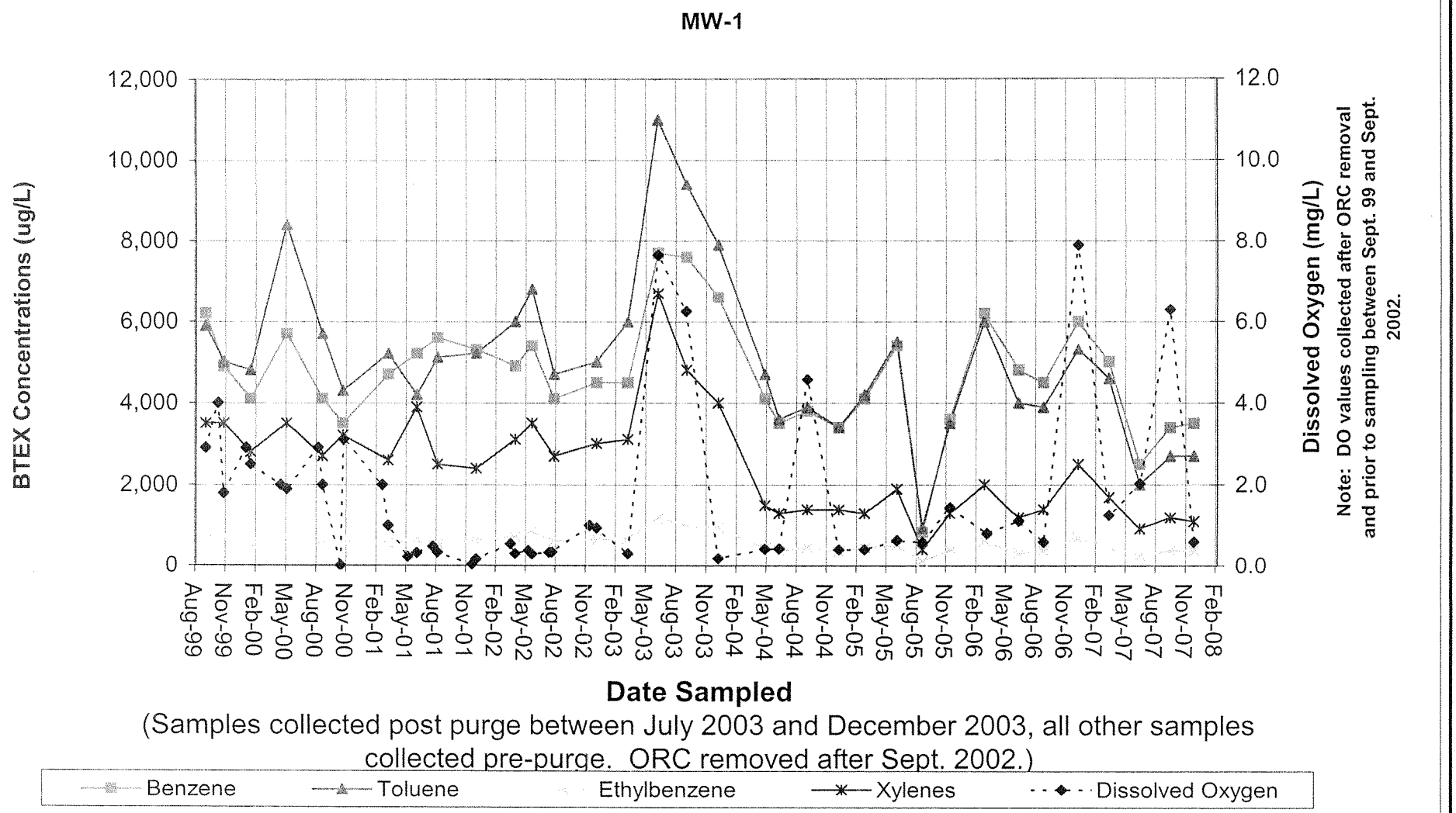


MACTEC

TPHg, BTEX, MTBE and EDC Concentrations in Groundwater
Groundwater Remediation and Monitoring Report
Fourth Quarter 2007
BPS Reprographic Services Facility
Oakland, California

PLATE **4**

DRAWN	JOB NUMBER	CHECKED	CHECKED DATE	APPROVED	APPROVED DATE
ACM	4097041918 05		03/08	For SF WITH PERMISSION	3/10/08



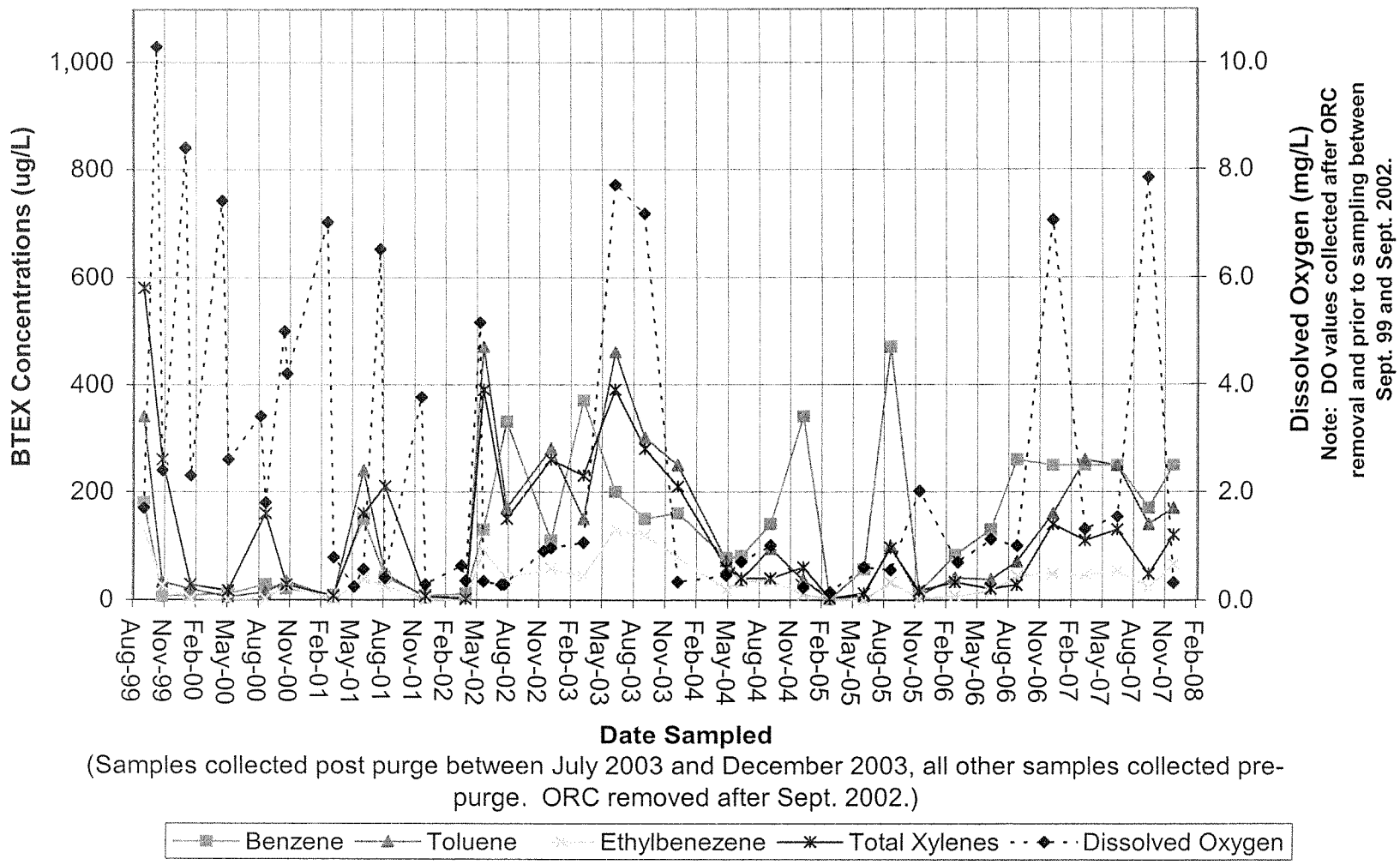
MACTEC

MW-1 BTEX and DO Results
Fourth Quarter 2007
BPS Reprographic Services Facility
1700 Jefferson Steet
Oakland, California

Plate
5a

DRAWN	JOB NUMBER	APPROVED	DATE	REVISION DATE
DSN	4097041918	RTV / [illegible]	March 4th, 2008	

with permission



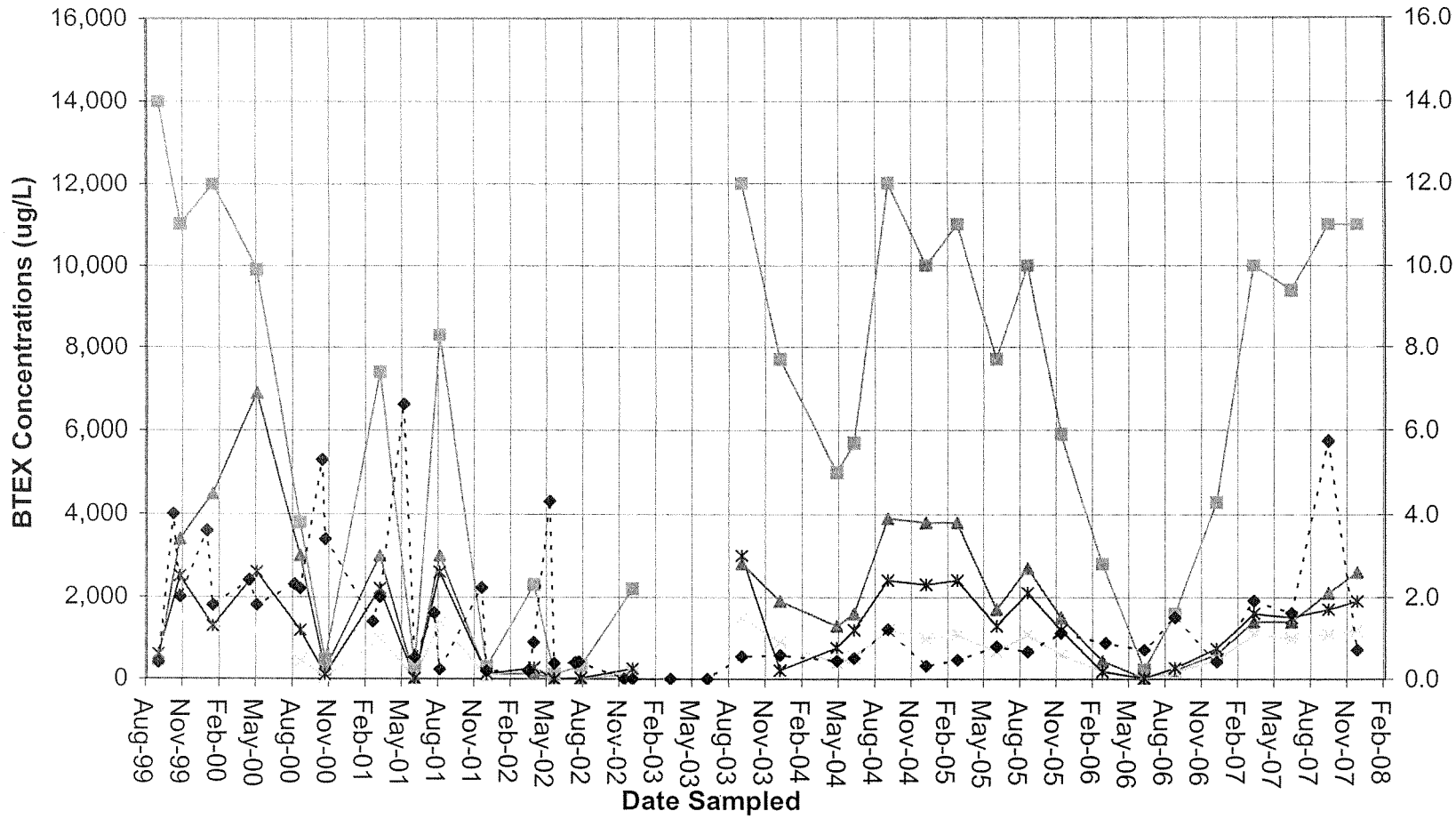
MACTEC

MW-3 BTEX and DO Results
Fourth Quarter 2007
BPS Reprographic Services Facility
1700 Jefferson Steet
Oakland, California

Plate
5b

DRAWN	JOB NUMBER	APPROVED	DATE	REVISION DATE
DSN	4097041918	DSN / [illegible]	March 4th, 2008	

With permission



(Samples collected post purge between July 2003 and December 2003, all other samples collected pre-purge. ORC sock stuck in MW-5 for April 2003 and July 2003 sampling events.)

MACTEC

MW-5 BTEX and DO Results
Fourth Quarter 2007
BPS Reprographic Services Facility
1700 Jefferson Steet
Oakland, California

Plate
5c

DRAWN	JOB NUMBER	APPROVED	DATE	REVISION DATE
DSN	4097041918	~~PBI~~ / TOP SP	March 4th, 2008	

WITH PERMISSION

APPENDIX A

LABORATORY REPORTS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

885 Jarvis Drive
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(408) 776-9600
FAX (408) 782-6308
www.testamericainc.com

2 January, 2008

David Nanstad
MACTEC Engineering & Consulting [Petaluma]
5341 Old Redwood Highway, Suite 300
Petaluma, CA 94954

RE: BPS City Blue
Work Order: MQL0523

Enclosed are the results of analyses for samples received by the laboratory on 12/14/07 11:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate # 2682

The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

The report shall not be reproduced except in full, without the written approval of the laboratory. The client, by accepting this report, also agrees not to alter any reports whether in the hard copy or electronic format and to use reasonable efforts to preserve the reports in the form and substance originally provided by TestAmerica.

For Volatile Analysis a trip blank is required to be provided. If trip blank results are not included in the report, then either the trip blank was not submitted or requested to be analyzed.

The reported results were obtained in compliance with the 2003 NELAC standards unless otherwise noted.

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MACTEC Engineering & Consulting [Petaluma]	Project: BPS City Blue	MQL0523
5341 Old Redwood Highway, Suite 300	Project Number: 4097041918.05	**Reported:**
Petaluma CA, 94954	Project Manager: David Nanstad	01/02/08 16:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
4097041918-4	MQL0523-01	Water	12/13/07 08:25	12/14/07 11:45
4097041918-2	MQL0523-02	Water	12/13/07 09:10	12/14/07 11:45
4097041918-3	MQL0523-03	Water	12/13/07 09:40	12/14/07 11:45
4097041918-1	MQL0523-04	Water	12/13/07 10:30	12/14/07 11:45
4097041918-T	MQL0523-05	Water	12/13/07 10:30	12/14/07 11:45

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MACTEC Engineering & Consulting [Petaluma]	Project: BPS City Blue	MQL0523
5341 Old Redwood Highway, Suite 300	Project Number: 4097041918.05	**Reported:**
Petaluma CA, 94954	Project Manager: David Nanstad	01/02/08 16:05

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4097041918-4 (MQL0523-01) Water	**Sampled: 12/13/07 08:25 Received: 12/14/07 11:45**								
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7L26001	12/26/07	12/26/07	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	**0.84**	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*113 %*		*70-135*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*70-125*	"	"	"	"	
4097041918-2 (MQL0523-02) Water	**Sampled: 12/13/07 09:10 Received: 12/14/07 11:45**								
Gasoline Range Organics (C4-C12)	**2900**	500	ug/l	10	7L26001	12/26/07	12/26/07	EPA 8015B/8021B	
Benzene	**250**	5.0	"	"	"	"	"	"	
Toluene	**170**	5.0	"	"	"	"	"	"	
Ethylbenzene	**66**	5.0	"	"	"	"	"	"	
Xylenes (total)	**120**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	25	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*		*70-135*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*		*70-125*	"	"	"	"	
4097041918-3 (MQL0523-03) Water	**Sampled: 12/13/07 09:40 Received: 12/14/07 11:45**								
Gasoline Range Organics (C4-C12)	**34000**	25000	ug/l	500	7L27004	12/27/07	12/27/07	EPA 8015B/8021B	
Benzene	**11000**	250	"	"	"	"	"	"	
Toluene	**2600**	250	"	"	"	"	"	"	
Ethylbenzene	**1200**	250	"	"	"	"	"	"	
Xylenes (total)	**1900**	250	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*105 %*		*70-135*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*		*70-125*	"	"	"	"	

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MACTEC Engineering & Consulting [Petaluma]	Project: BPS City Blue	MQL0523
5341 Old Redwood Highway, Suite 300	Project Number: 4097041918.05	**Reported:**
Petaluma CA, 94954	Project Manager: David Nanstad	01/02/08 16:05

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4097041918-1 (MQL0523-04) Water	**Sampled: 12/13/07 10:30**		**Received: 12/14/07 11:45**						
Gasoline Range Organics (C4-C12)	**18000**	10000	ug/l	200	7L26001	12/26/07	12/26/07	EPA 8015B/8021B	
Benzene	**3500**	100	"	"	"	"	"	"	
Toluene	**2700**	100	"	"	"	"	"	"	
Ethylbenzene	**390**	100	"	"	"	"	"	"	
Xylenes (total)	**1100**	100	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*109 %*	*70-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*70-125*		"	"	"	"	

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MACTEC Engineering & Consulting [Petaluma]	Project: BPS City Blue	MQL0523
5341 Old Redwood Highway, Suite 300	Project Number: 4097041918.05	**Reported:**
Petaluma CA, 94954	Project Manager: David Nanstad	01/02/08 16:05

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4097041918-3 (MQL0523-03) Water	**Sampled: 12/13/07 09:40 Received: 12/14/07 11:45**								
1,2-Dichloroethane	**340**	5.0	ug/l	10	7L22004	12/21/07	12/22/07	EPA 8260B	
Surrogate: Dibromofluoromethane		*97 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*95 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*55-130*		"	"	"	"	
4097041918-1 (MQL0523-04) Water	**Sampled: 12/13/07 10:30 Received: 12/14/07 11:45**								
1,2-Dichloroethane	**180**	5.0	ug/l	10	7L27009	12/27/07	12/27/07	EPA 8260B	
Surrogate: Dibromofluoromethane		*98 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*55-130*		"	"	"	"	

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MACTEC Engineering & Consulting [Petaluma]	Project: BPS City Blue	MQL0523
5341 Old Redwood Highway, Suite 300	Project Number: 4097041918.05	**Reported:**
Petaluma CA, 94954	Project Manager: David Nanstad	01/02/08 16:05

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L26001 - EPA 5030B [P/T] / EPA 8015B/8021B										
Blank (7L26001-BLK1)				Prepared & Analyzed: 12/26/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*44.5*		"	*40.0*		*111*	*70-135*			
Surrogate: 4-Bromofluorobenzene	*40.2*		"	*40.0*		*100*	*70-125*			
Laboratory Control Sample (7L26001-BS1)				Prepared & Analyzed: 12/26/07						
Benzene	10.6	0.50	ug/l	10.0		106	75-140			
Toluene	10.9	0.50	"	10.0		109	65-125			
Ethylbenzene	10.9	0.50	"	10.0		109	60-125			
Xylenes (total)	32.4	0.50	"	30.0		108	60-130			
Methyl tert-butyl ether	10.8	2.5	"	10.0		108	60-145			
Surrogate: a,a,a-Trifluorotoluene	*43.9*		"	*40.0*		*110*	*70-135*			
Laboratory Control Sample (7L26001-BS2)				Prepared & Analyzed: 12/26/07						
Gasoline Range Organics (C4-C12)	271	50	ug/l	275		98	60-120			
Surrogate: 4-Bromofluorobenzene	*43.3*		"	*40.0*		*108*	*70-125*			
Laboratory Control Sample Dup (7L26001-BSD2)				Prepared & Analyzed: 12/26/07						
Gasoline Range Organics (C4-C12)	254	50	ug/l	275		93	60-120	6	20	
Surrogate: 4-Bromofluorobenzene	*43.0*		"	*40.0*		*108*	*70-125*			
Matrix Spike (7L26001-MS1)	**Source: MQL0589-05**			Prepared & Analyzed: 12/26/07						
Gasoline Range Organics (C4-C12)	118	50	ug/l	91.0	ND	130	45-135			
Benzene	11.0	0.50	"	10.0	ND	110	70-150			
Toluene	11.0	0.50	"	10.0	ND	110	65-130			
Ethylbenzene	11.4	0.50	"	10.0	ND	114	65-125			
Xylenes (total)	33.3	0.50	"	30.0	ND	111	65-130			
Methyl tert-butyl ether	28.7	2.5	"	10.0	17.9	107	45-150			
Surrogate: a,a,a-Trifluorotoluene	*44.3*		"	*40.0*		*111*	*70-135*			
Surrogate: 4-Bromofluorobenzene	*41.6*		"	*40.0*		*104*	*70-125*			

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MACTEC Engineering & Consulting [Petaluma]	Project: BPS City Blue	MQL0523
5341 Old Redwood Highway, Suite 300	Project Number: 4097041918.05	**Reported:**
Petaluma CA, 94954	Project Manager: David Nanstad	01/02/08 16:05

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L26001 - EPA 5030B [P/T] / EPA 8015B/8021B										
Matrix Spike Dup (7L26001-MSD1)	**Source: MQL0589-05**			Prepared & Analyzed: 12/26/07						
Gasoline Range Organics (C4-C12)	114	50	ug/l	91.0	ND	126	45-135	3	20	
Benzene	10.7	0.50	"	10.0	ND	107	70-150	3	25	
Toluene	10.8	0.50	"	10.0	ND	108	65-130	2	20	
Ethylbenzene	11.0	0.50	"	10.0	ND	110	65-125	3	25	
Xylenes (total)	32.5	0.50	"	30.0	ND	108	65-130	3	20	
Methyl tert-butyl ether	28.9	2.5	"	10.0	17.9	110	45-150	0.9	25	
Surrogate: a,a,a-Trifluorotoluene	*44.5*		"	*40.0*		*111*	*70-135*			
Surrogate: 4-Bromofluorobenzene	*41.3*		"	*40.0*		*103*	*70-125*			
Batch 7L27004 - EPA 5030B [P/T] / EPA 8015B/8021B										
Blank (7L27004-BLK1)				Prepared & Analyzed: 12/27/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*43.6*		"	*40.0*		*109*	*70-135*			
Surrogate: 4-Bromofluorobenzene	*38.9*		"	*40.0*		*97*	*70-125*			
Laboratory Control Sample (7L27004-BS1)				Prepared & Analyzed: 12/27/07						
Benzene	10.0	0.50	ug/l	10.0		100	75-140			
Toluene	10.2	0.50	"	10.0		102	65-125			
Ethylbenzene	10.2	0.50	"	10.0		102	60-125			
Xylenes (total)	29.9	0.50	"	30.0		100	60-130			
Methyl tert-butyl ether	10.2	2.5	"	10.0		102	60-145			
Surrogate: a,a,a-Trifluorotoluene	*42.9*		"	*40.0*		*107*	*70-135*			

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.testamericainc.com

MACTEC Engineering & Consulting [Petaluma]	Project: BPS City Blue	MQL0523
5341 Old Redwood Highway, Suite 300	Project Number: 4097041918.05	**Reported:**
Petaluma CA, 94954	Project Manager: David Nanstad	01/02/08 16:05

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L27004 - EPA 5030B [P/T] / EPA 8015B/8021B										
Laboratory Control Sample (7L27004-BS2)				Prepared & Analyzed: 12/27/07						
Gasoline Range Organics (C4-C12)	253	50	ug/l	275		92	60-120			
Surrogate: 4-Bromofluorobenzene	*41.5*		"	*40.0*		*104*	*70-125*			
Laboratory Control Sample Dup (7L27004-BSD2)				Prepared & Analyzed: 12/27/07						
Gasoline Range Organics (C4-C12)	250	50	ug/l	275		91	60-120	1	20	
Surrogate: 4-Bromofluorobenzene	*41.6*		"	*40.0*		*104*	*70-125*			
Matrix Spike (7L27004-MS1)	**Source: MQL0665-08**			Prepared & Analyzed: 12/27/07						
Gasoline Range Organics (C4-C12)	106	50	ug/l	91.0	ND	116	45-135			
Benzene	10.9	0.50	"	10.0	0.677	103	70-150			
Toluene	10.7	0.50	"	10.0	ND	107	65-130			
Ethylbenzene	11.2	0.50	"	10.0	0.559	106	65-125			
Xylenes (total)	32.4	0.50	"	30.0	1.08	104	65-130			
Methyl tert-butyl ether	10.8	2.5	"	10.0	ND	108	45-150			
Surrogate: a,a,a-Trifluorotoluene	*42.8*		"	*40.0*		*107*	*70-135*			
Surrogate: 4-Bromofluorobenzene	*42.7*		"	*40.0*		*107*	*70-125*			
Matrix Spike Dup (7L27004-MSD1)	**Source: MQL0665-08**			Prepared & Analyzed: 12/27/07						
Gasoline Range Organics (C4-C12)	105	50	ug/l	91.0	ND	115	45-135	0.7	20	
Benzene	10.7	0.50	"	10.0	0.677	101	70-150	2	25	
Toluene	10.3	0.50	"	10.0	ND	103	65-130	3	20	
Ethylbenzene	11.0	0.50	"	10.0	0.559	104	65-125	2	25	
Xylenes (total)	31.6	0.50	"	30.0	1.08	102	65-130	2	20	
Methyl tert-butyl ether	10.6	2.5	"	10.0	ND	106	45-150	2	25	
Surrogate: a,a,a-Trifluorotoluene	*43.0*		"	*40.0*		*107*	*70-135*			
Surrogate: 4-Bromofluorobenzene	*42.6*		"	*40.0*		*107*	*70-125*			

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MACTEC Engineering & Consulting [Petaluma]	Project: BPS City Blue	MQL0523
5341 Old Redwood Highway, Suite 300	Project Number: 4097041918.05	**Reported:**
Petaluma CA, 94954	Project Manager: David Nanstad	01/02/08 16:05

Volatile Organic Compounds by EPA Method 8260B - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L22004 - EPA 5030B P/T / EPA 8260B										
Blank (7L22004-BLK1)				Prepared & Analyzed: 12/22/07						
1,2-Dichloroethane	ND	0.50	ug/l							
Surrogate: Dibromofluoromethane	*2.40*		"	*2.50*		*96*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.42*		"	*2.50*		*97*	*60-150*			
Surrogate: Toluene-d8	*2.40*		"	*2.50*		*96*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.28*		"	*2.50*		*91*	*55-130*			
Laboratory Control Sample (7L22004-BS1)				Prepared & Analyzed: 12/22/07						
1,2-Dichloroethane	10.1	0.50	ug/l	10.0		101	65-130			
Surrogate: Dibromofluoromethane	*2.41*		"	*2.50*		*96*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.31*		"	*2.50*		*92*	*60-150*			
Surrogate: Toluene-d8	*2.49*		"	*2.50*		*100*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.46*		"	*2.50*		*98*	*55-130*			
Matrix Spike (7L22004-MS1)	**Source: MQL0513-02**			Prepared & Analyzed: 12/22/07						
1,2-Dichloroethane	13.4	0.50	ug/l	10.0	0.870	126	65-145			
Surrogate: Dibromofluoromethane	*2.64*		"	*2.50*		*106*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.79*		"	*2.50*		*112*	*60-150*			
Surrogate: Toluene-d8	*2.41*		"	*2.50*		*96*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.39*		"	*2.50*		*96*	*55-130*			
Matrix Spike Dup (7L22004-MSD1)	**Source: MQL0513-02**			Prepared & Analyzed: 12/22/07						
1,2-Dichloroethane	13.3	0.50	ug/l	10.0	0.870	124	65-145	1	25	
Surrogate: Dibromofluoromethane	*2.49*		"	*2.50*		*100*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.74*		"	*2.50*		*110*	*60-150*			
Surrogate: Toluene-d8	*2.36*		"	*2.50*		*94*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.53*		"	*2.50*		*101*	*55-130*			

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MACTEC Engineering & Consulting [Petaluma]	Project: BPS City Blue	MQL0523
5341 Old Redwood Highway, Suite 300	Project Number: 4097041918.05	**Reported:**
Petaluma CA, 94954	Project Manager: David Nanstad	01/02/08 16:05

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L27009 - EPA 5030B P/T / EPA 8260B										
Blank (7L27009-BLK1)				Prepared & Analyzed: 12/27/07						
1,2-Dichloroethane	ND	0.50	ug/l							
Surrogate: Dibromofluoromethane	*2.39*		"	*2.50*		*96*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.46*		"	*2.50*		*98*	*60-150*			
Surrogate: Toluene-d8	*2.40*		"	*2.50*		*96*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.33*		"	*2.50*		*93*	*55-130*			
Laboratory Control Sample (7L27009-BS1)				Prepared & Analyzed: 12/27/07						
1,2-Dichloroethane	10.8	0.50	ug/l	10.0		108	65-130			
Surrogate: Dibromofluoromethane	*2.55*		"	*2.50*		*102*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.38*		"	*2.50*		*95*	*60-150*			
Surrogate: Toluene-d8	*2.45*		"	*2.50*		*98*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.51*		"	*2.50*		*100*	*55-130*			
Matrix Spike (7L27009-MS1)	**Source: MQL0732-03**			Prepared & Analyzed: 12/27/07						
1,2-Dichloroethane	11.2	0.50	ug/l	10.0	ND	112	65-145			
Surrogate: Dibromofluoromethane	*2.39*		"	*2.50*		*96*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.47*		"	*2.50*		*99*	*60-150*			
Surrogate: Toluene-d8	*2.37*		"	*2.50*		*95*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.44*		"	*2.50*		*98*	*55-130*			
Matrix Spike Dup (7L27009-MSD1)	**Source: MQL0732-03**			Prepared & Analyzed: 12/27/07						
1,2-Dichloroethane	10.9	0.50	ug/l	10.0	ND	109	65-145	2	25	
Surrogate: Dibromofluoromethane	*2.46*		"	*2.50*		*98*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.41*		"	*2.50*		*96*	*60-150*			
Surrogate: Toluene-d8	*2.39*		"	*2.50*		*96*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.45*		"	*2.50*		*98*	*55-130*			

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MACTEC Engineering & Consulting [Petaluma]	Project: BPS City Blue	MQL0523
5341 Old Redwood Highway, Suite 300	Project Number: 4097041918.05	**Reported:**
Petaluma CA, 94954	Project Manager: David Nanstad	01/02/08 16:05

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

MACTEC

CHAIN OF CUSTODY RECORD

3009 9

MQL0523

MACTEC Engineering and Consulting, Inc.
5341 Old Redwood Highway, Suite 300
Petaluma, CA 94954
(707) 793-3800 • FAX (707) 793-3900

SAMPLING INFORMATION

NAME OF FACILITY: Test America

STREET ADDRESS:

CITY / STATE: Morgan Hill, CA ZIP:

PROJECT NAME: BPS (Formerly City Blue)

JOB NO.: 4097041918 05

SAMPLERS (SIGNATURE):

SAMPLERS INITIALS (PRINT): J. Hanzel-Durbin

SAMPLING DATE: 12/13/07

TIME	GRAB	COMP.	* MATRIX	SAMPLE NO.	SAMPLE LOCATION	FIELD MEASUREMENT	TOTAL NO. OF CONTAINERS	ANALYSES: TPH-g (8015 modified)	BTEX (8020)	M+BE (8020)	EDC (Ethylene Dichloride)	FOR LAB USE ONLY
0825	X		W	4097041918-4			3	X	X	X		01
0910	X		W	4097041918-2			3	X	X	X		02
0940	X		W	4097041918-3			5	X	X	X	X	03
1030	X		W	4097041918-1			5	X	X	X	X	04
1040	X		W	4097041918-T		Hold	2	X	X	X		05

RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	DATE / TIME	RELINQUISHED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	DATE / TIME
	12/13 1150	TAMIT	12/14/07 11:45			

*MATRIX

WATER - W
SOIL / SEDIMENT - SO
OTHER - NA

DISTRIBUTION: ORIGINAL AND YELLOW COPIES ACCOMPANY SAMPLE SHIPMENT TO LABORATORY. PINK COPY RETAINED BY SAMPLERS. YELLOW COPIES RETAINED BY LABORATORY.

REMARKS

Standard TAT
Sample 4097041918-T is on hold
Proj. Manager: David Nanstad

Detections of M+BE are to be confirmed useing EPA Method 8260

For Lab Use Only

Custody Seals Present? Yes ☐ No ☐ Are Custody Seals Intact? Yes ☐ No ☐ N/A ☑ Inspected By: Date:

From: Origin ID: NOTA (707)793-3815
Myra Barker
MACTEC
5341 Old Redwood Hwy
Suite 300
Petaluma, CA 94954

FedEx Express

GLS0308071211/23

Ship Date: 13DEC07
ActWgt: 35 LB
System#: 1952763/INET7091
Account#: S *********

Delivery Address Bar Code

SHIP TO: (707)793-3800 BILL SENDER

Lab Dept
Test America
885 JARVIS DR

MORGAN HILL, CA 950372858

Ref # 4097041918-05
Invoice #
PO #
Dept #

TRK# 0201 7988 2947 1860

FRI - 14DEC A5
STANDARD OVERNIGHT

83-RBKA

SJC
CA-US
95037

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TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: MACTEC
REC. BY (PRINT)
WORKORDER: MQL0523

DATE REC'D AT LAB: 12/14/07
TIME REC'D AT LAB: 1030
DATE LOGGED IN: 12/15/07

For Regulatory Purposes?
___ DRINKING WATER
___ WASTE WATER
___ OTHER

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / (Absent) Intact / Broken*	01	409704191 8-4	3-VOA	HCl	—	W	12/13/07	
2. Chain-of-Custody (Present) / Absent*	02	409704191 8-2	3-VOA	HCl	—	↓	↓	
3. Traffic Reports or Packing List: Present / (Absent)	03	409704191 8-3	5-VOA	HCl	—			
4. Airbill: Airbill / Sticker Present / Absent	04	409704191 8-1	5-VOA	HCl	↓			
5. Airbill #: 7988294 71860 FedEx	05	409704191 8-T	2-VOA	HCl				
6. Sample Labels: (Present) / Absent								
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody								
8. Sample Condition: (Intact) / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree? (Yes) / No*								
10. Sample received within hold time? (Yes) / No*								
11. Adequate sample volume received? Yes / No*								
12. Proper preservatives used? Yes / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes) (Yes) / No*								
14. Read Temp: 4.2								
Correction Factor: -1.0								
Corrected Temp: 3.2								
Is corrected temp. 0-6°C? (Yes) / No**								

**Exception (if any): Metals / Perchlorate DFF on (Ice) or Problem COC

12/14/07

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

APPENDIX B

GROUNDWATER SAMPLING FORM

Table B1. Sample Location/Sample Description Cross-Reference
BPS Reprographic Services Facility
1700 Jefferson Street
Oakland, California

Well/Sample Number	Sample ID
MW-1	4097041918-1
MW-3	4097041918-2
MW-5	4097041918-3
MW-6	4097041918-4

Checked _____

Approved For SF with Revision

Sheet _____ of _____

Project: City Blue (BPS) Job No.: 4097041918 05
Subject: FIELD INVESTIGATION DAILY REPORT Date: 12/13/07
Equipment Rental: _____ Company: _____ To: _____
Equipment Hours: _____ F.E. Time from: _____ to: _____ By: _____

(Outside service and expense record must be attached for any outside costs)

Meter calibrations 12/13/07
0500 am
Redox = Orion SA 210 # 25606
ORP Reference Solution Lot # 072006
Exp March 08'
YSI 63 Ph, Cond, Temp #00M0186AF
HACH 2100P Turb # 9110002603
YSI 55 D.O. #01D0873AD
0700 @ MW-6
WL = 23.37
Redox = 106
DO = 0.68

0710 @ MW-3
GL = 23.40
DO = .32
Redox = -322
0720 @ MW-5
WL = 22.31
DO = 0.72
Redox = -240
0730 @ MW-1
WL = 24.05
DO = 0.60
Redox = -283
0745 @ MW-1A
WL = 22.51
0825 sampled MW-6 # ~~04~~ 4097041918-4
0910 sampled MW-3 # 4097041918-2
0940 sampled MW-5 # 4097041918-3
1030 sampled MW-1 # 4097041918-~~5~~1
1040 trip blank 4097041918-T (put on hold)

Attachments:

Initial

Sheet _____ of _____

Project: City Blue **Job No.:** 409704 1918 05
Subject: FIELD INVESTIGATION DAILY REPORT **Date:** 12/13/07
Equipment Rental: _____ **Company:** _____ **To:** _____
Equipment Hours: _____ **F.E. Time from:** _____ **to:** _____ **By:** _____

(Outside service and expense record must be attached for any outside costs)

1115 organize equipment, samples(QA/QC), pack cooler leave for concord

~~1240~~

1200 @ Equipco in concord, drop of pump and go to Fed Ex to drop off samples

1230 leave concord for Petaluma

1330 upload truck at Petaluma office.

Attachments:

Initial

MACTEC

GROUNDWATER SAMPLING FORM

Well Number: MW-1

Well Type: [X] Monitor [ ] Extraction [ ] Other ___ [ ] PVC [ ] St. Steel [ ] Other ___

Job Name: 409704191805

Job Number: BPS

Recorded By: _____ (Signature)

Date: 12/13/07

Sampled By: JHD (initials)

WELL PURGING

METER CALIBRATION

Initial Time: 0500

pH S/N 00M0156 [x] 4 [x] 7 [ ] 10

EC S/N ↓ [ ] redline [x] STD _____

Turb S/N 911000263 [x] 0 - 10 [x] 10 - 100 [x] 100 - 1,000

Final Time: 0530

pH [x] 4 [x] 7 [ ] 10

EC [ ] redline [x] STD _____

Turb [x] 0 - 10 [x] 10 - 100 [x] 100 - 1,000

PURGE VOLUME CALCULATION

(_____ - 24.05) X ____ ² X 3 X 0.0408 = _____ gals

TD (feet) WL (feet) D (inches) # Vols Calculated Purge Volume

Purge Start: _____ GPM: ____

Purge Stop: _____ GPM: ____

Elapsed: _____ Volume: ____

PURGE METHOD

[ ] Bailer - Type: _____

[ ] Submersible - Type: _____

[X] Other - Type: peristaltic pump

PUMP INTAKE SETTING

[ ] Near Bottom [ ] Near Top

[ ] Other _____

Depth in feet (BTOC): _____

Screen Interval in feet (BTOC): from _____ to ____

Observations During Purging (Well Condition, Turbidity, Color, Odor):

Smells like product, strong odor

Discharge Water Disposal: [ ] Sanitary Sewer [ ] Storm Sewer [ ] Other _____

Field Parameters

Minutes	pH	Conductivity	Temp. [x] °C [ ] °F	Turbidity (NTU)
Initial	~~7.13~~	~~839~~	~~16.4~~	~~11.1~~
	6.93	1033	15.6	18.8

WELL SAMPLING

[x] Bailer - Type: _____ Sample Time: 1030 12/13/07

Sample No.	Volume/Cont.	Analysis Requested	Preservatives	Lab	Comments
409704191805-1	5	TPH-G	HCL	TA	
↓	↓	BTEX	↓	↓	
		MtBE			
		Ethylene Dichloride			

QUALITY CONTROL SAMPLES

Duplicate Samples	
Original Sample No.	Duplicate Sample No.

Blank Samples	
Type	Sample No.

Other Samples	
Type	Sample No.

Reviewed by: _____

MACTEC

GROUNDWATER SAMPLING FORM

Well Number: MW-3

Well Type: [X] Monitor [ ] Extraction [ ] Other ___ [ ] PVC [ ] St. Steel [ ] Other ___

Job Name: 409704191805

Job Number: BPS

Recorded By: _____ (Signature)

Date: 12/13/07

Sampled By: _____ (initials)

WELL PURGING

METER CALIBRATION

Initial Time: 0500

pH	S/N 00M0186	[x] 4	[x] 7	[ ] 10	
EC	S/N ↓	[ ] redline	[x] STD	1000	
Turb	S/N 9110002263	[x] 0 - 10	[x] 10 - 100	[x] 100 - 1,000	

Final Time: 0530

pH	[x] 4	[x] 7	[ ] 10
EC	[ ] redline	[x] STD	_____
Turb	[x] 0 - 10	[x] 10 - 100	[x] 100 - 1,000

PURGE VOLUME CALCULATION

(_____ - 23.40) X ___ ² X 3 X 0.0408 = _____ gals

TD (feet) WL (feet) D (inches) # Vols Calculated Purge Volume

Purge Start: _____ GPM: ___

Purge Stop: _____ GPM: ___

Elapsed: _____ Volume: ___

PURGE METHOD

[ ] Bailer - Type: _____

[ ] Submersible - Type: _____

[X] Other - Type: peristaltic pump

PUMP INTAKE SETTING

[ ] Near Bottom [ ] Near Top

[ ] Other _____

Depth in feet (BTOC): _____

Screen Interval in feet (BTOC): from _____ to ___

Observations During Purging (Well Condition, Turbidity, Color, Odor):

slight odor after purge began

Discharge Water Disposal: [ ] Sanitary Sewer [ ] Storm Sewer [ ] Other _____

Field Parameters

Minutes	pH	Conductivity	Temp. [x] °C [ ] °F	Turbidity (NTU)
Initial	6.78	490	16.9	11.6

WELL SAMPLING

[x] Bailer - Type: _____ Sample Time: 0910

Sample No.	Volume/Cont.	Analysis Requested	Preservatives	Lab	Comments
409704191805-2	3	TPH-g BTEX MTBE	HCL	TA	

QUALITY CONTROL SAMPLES

Duplicate Samples	
Original Sample No.	Duplicate Sample No.

Blank Samples	
Type	Sample No.

Other Samples	
Type	Sample No.

MACTEC

GROUNDWATER SAMPLING FORM

Well Number: MW-5

Well Type: [X] Monitor [ ] Extraction [ ] Other ____ [ ] PVC [ ] St. Steel [ ] Other ____

Job Name: BPS

Job Number: 409704918 - 05

Date: 12/13/07

Recorded By: _____ (Signature)

Sampled By: JHD (initials)

WELL PURGING

METER CALIBRATION

Initial Time: 0500

pH S/N 00M0186 [x] 4 [x] 7 [ ] 10

EC S/N 9110002603 [ ] redline [x] STD 1000

Turb S/N 00M01860 [x] 0 - 10 [x] 10 - 100 [x] 100 - 1,000

Final Time: 0530

pH [x] 4 [x] 7 [ ] 10

EC [ ] redline [x] STD 1000

Turb [x] 0 - 10 [x] 10 - 100 [x] 100 - 1,000

PURGE VOLUME CALCULATION

(_____ - 22.31) X ____ ² X 3 X 0.0408 = _____ gals

TD (feet) WL (feet) D (inches) # Vols Calculated Purge Volume

Purge Start: _____ GPM: ____

Purge Stop: _____ GPM: ____

Elapsed: _____ Volume: ____

PURGE METHOD

[ ] Bailer - Type: _____

[ ] Submersible - Type: _____

[X] Other - Type: peristaltic pump

PUMP INTAKE SETTING

[ ] Near Bottom [ ] Near Top

[ ] Other _____

Depth in feet (BTOC): _____

Screen Interval in feet (BTOC): from _____ to ____

Observations During Purging (Well Condition, Turbidity, Color, Odor):

Strong odor of product

Discharge Water Disposal: [ ] Sanitary Sewer [ ] Storm Sewer [ ] Other _____

Field Parameters

Minutes	pH	Conductivity	Temp. [x] °C [ ] °F	Turbidity (NTU)
Initial	7.13	839	16.4	11.1

WELL SAMPLING

[x] Bailer - Type: _____ Sample Time: 0940

Sample No.	Volume/Cont.	Analysis Requested	Preservatives	Lab	Comments
409704918-3	5	TPHg BTEX MTBE Ethylene Dichloride	HCL	TA	

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

Blank Samples

Type	Sample No.

Other Samples

Type	Sample No.

MACTEC

GROUNDWATER SAMPLING FORM

Well Number: MW-6

Well Type: [X] Monitor [ ] Extraction [ ] Other ___ [ ] PVC [ ] St. Steel [ ] Other ___

Job Name: BPS

Job Number: 40970419 05

Recorded By: _____ (Signature)

Date: 12/13/07

Sampled By: JHD (initials)

WELL PURGING

METER CALIBRATION

Initial Time: 0500

pH S/N 60MO186 [x] 4 [x] 7 [ ] 10

EC S/N V [ ] redline [x] STD _____

Turb S/N 9110002763 [x] 0 - 10 [x] 10 - 100 [x] 100 - 1,000

Final Time: 0530

pH [x] 4 [x] 7 [ ] 10

EC [ ] redline [x] STD _____

Turb [x] 0 - 10 [x] 10 - 100 [x] 100 - 1,000

PURGE VOLUME CALCULATION

(___ - 23.37) X ___ ² X 3 X 0.0408 = ___ gals

TD (feet) WL (feet) D (inches) # Vols Calculated Purge Volume

Purge Start: _____ GPM: ___

Purge Stop: _____ GPM: ___

Elapsed: _____ Volume: ___

PURGE METHOD

[ ] Bailer - Type: _____

[ ] Submersible - Type: _____

[X] Other - Type: peristaltic pump

PUMP INTAKE SETTING

[ ] Near Bottom [ ] Near Top

[ ] Other _____

Depth in feet (BTOC): _____

Screen Interval in feet (BTOC): from _____ to ___

Observations During Purging (Well Condition, Turbidity, Color, Odor):

no odor, clear water

Discharge Water Disposal: [ ] Sanitary Sewer [ ] Storm Sewer [ ] Other _____

Field Parameters

Minutes	pH	Conductivity	Temp. [x] °C [ ] °F	Turbidity (NTU)
Initial	6.80	394.3	16.3	8.05

WELL SAMPLING

[x] Bailer - Type: _____ Sample Time: 0825

Sample No.	Volume/Cont.	Analysis Requested	Preservatives	Lab	Comments
40970419 18-4	3	TPHg	HCl	eTA	
↓	↓	BTEX	↓	↓	
		MTBE			

QUALITY CONTROL SAMPLES

Duplicate Samples	
Original Sample No.	Duplicate Sample No.

Blank Samples	
Type	Sample No.

Other Samples	
Type	Sample No.

Groundwater Monitoring Data Sheet

City Blue
1700 Jefferson Street
Oakland, CA

Well Number	Date	Time	Water Depth First Reading (TOC)	Water Depth Second Reading (TOC)	Cap	Lock	Casing	Box/Lid	Well Diameter	Comments
MW-1	12/13	0730	24.05	24.05	Y	N	G	G	4"	
MW-3	"	0710	23.40	23.40	"	"	"	"	4"	
MW-5	"	0720	22.31	22.31	"	"	"	"	2"	
MW-6	"	0700	23.37	23.37	"	"	"	"	2"	
MW-1A	"	0745	22.51	22.51	"	"	"	"	4"	
MW-4										

Please record all monitoring equipment model numbers, serial numbers and calibration dates here. Also record expiration dates of calibration fluids if applicable:

pH: YSI 63 00M6186AF cal Date 12/13/07 0500

Temperature: 00M6186AF " " "

Specific Conductance: 00M6186AF " " "

Dissolved Oxygen: YSI 55 D.O. # 01D0873AD cal 12/13/07 0500

Turbidity: HACH 2100P Turb. # 9110002G3 cal 12/13/07 0500

MACTEC

CHAIN OF CUSTODY RECORD

MACTEC Engineering and Consulting, Inc.
5341 Old Redwood Highway, Suite 300
Petaluma, CA 94954
(707) 793-3800 • FAX (707) 793-3900

SAMPLING INFORMATION

NAME OF FACILITY: Tesa America
STREET ADDRESS:
CITY / STATE: Morgan Hill, CA ZIP:

PROJECT NAME	JOB NO.
BPS (formerly City Blue)	4097041918 05
SAMPLERS (SIGNATURE)	SAMPLERS INITIALS (PRINT)
	J. Hanzel-Durbin
SAMPLING DATE	
12/13/07	

TIME	GRAB	COMP.	* MATRIX	SAMPLE NO.	SAMPLE LOCATION	FIELD MEASUREMENT	TOTAL NO. OF CONTAINERS	ANALYSES: TPH (8015 modified)	BTEX (8020)	M+BE (8260)	EDC (Ethylene Dichloride)	FOR LAB USE ONLY
0825	X		W	4097041918-4	mw-6		3	X	X	X		
0910	X		W	4097041918-2	mw-3		3	X	X	X		
0940	X		W	4097041918-3	mw-5		5	X	X	X	X	
1030	X		W	4097041918-1	mw-1		5	X	X	X	X	
1040	X		W	4097041918-T		Hold	2	X	X	X		

RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	DATE / TIME	RELINQUISHED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	DATE / TIME
	12/13 1150					

*MATRIX
WATER - W
SOIL / SEDIMENT - SO
OTHER - NA

DISTRIBUTION: ORIGINAL AND YELLOW COPIES ACCOMPANY SAMPLE SHIPMENT TO LABORATORY. PINK COPY RETAINED BY SAMPLERS. YELLOW COPIES RETAINED BY LABORATORY.

REMARKS

Standard TAT
Sample 4097041918-T is on hold
Proj. Manager: David Nanstad
Detections of M+BE are to be confirmed useing EPA method 8260

For Lab Use Only

Are Custody Seals Present? Yes ☐ No ☐ Are Custody Seals Intact? Yes ☐ No ☐ N/A ☐ Inspected By: _____ Date: _____