

Hooshang Hadjian
2108 San Ramon Valley Blvd.
San Ramon, CA 94583

Mr. Paresh Khatri
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Dublin Auto Wash
7240 Dublin Boulevard
Dublin, California
ACHCSA Case No. 304

RECEIVED

11:15 am, Dec 07, 2011

Alameda County
Environmental Health

Dear Mr.Chan:

I, Mr. Hooshang Hadjian, have retained Pangea Environmental Services, Inc. (Pangea) as the environmental consultant for the project referenced above. Pangea is submitting the attached report on my behalf.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached report is true and correct to the best of my knowledge.

Sincerely,



Hooshang Hadjian



November 30, 2011

VIA ALAMEDA COUNTY FTP SITE

Ms. Donna Drogos
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: **Groundwater Monitoring Report - Third Quarter 2011**
Dublin Auto Wash
7240 Dublin Boulevard
Dublin, California
ACEH Case No. 304

Dear Ms. Drogos:

On behalf of Mr. Hooshang Hadjian, Pangea Environmental Services, Inc. has prepared this *Groundwater Monitoring Report – Third Quarter 2011*. The report describes groundwater monitoring and sampling, and other site activities.

In the second quarter 2011 groundwater monitoring report, Pangea also proposed groundwater monitoring reductions and presented a bioremediation workplan for continued site remediation. Pangea respectfully requests your approval of the proposed bioremediation in the near future.

If you have any questions or comments, please call me at (510) 435-8664.

Sincerely,
Pangea Environmental Services, Inc.

A handwritten signature in blue ink that reads "Bob Clark-Riddell".

Bob Clark-Riddell, P.E.
Principal Engineer

Attachment: *Groundwater Monitoring Report – Third Quarter 2011*

cc: Mr. Hooshang Hadjian, 2108 San Ramon Valley Blvd, San Ramon, CA 94583
Mr. Jim Lange, 6500 Dublin Blvd., Suite 202, Dublin, CA 94568
SWRCB Geotracker (electronic copy)

PANGEA Environmental Services, Inc.

1710 Franklin Street, Suite 200, Oakland, CA 94612 Telephone 510.836.3700 Facsimile 510.836.3709 www.pangeaenv.com



GROUNDWATER MONITORING REPORT- THIRD QUARTER 2011

Dublin Auto Wash
7240 Dublin Boulevard
Dublin, California

November 30, 2011

Prepared for:


Mr. Hooshang Hadjian
2108 San Ramon Valley Blvd
San Ramon, CA 94583

Prepared by:

Pangea Environmental Services, Inc.
1710 Franklin Street, Suite 200
Oakland, California 94612

Written by:




Morgan Gillies
Project Manager


Bob Clark-Riddell, P.E.
Principal Engineer

PANGEA Environmental Services, Inc.

INTRODUCTION

On behalf of Mr. Hooshang Hadjian, Pangea Environmental Services, Inc. (Pangea) conducted groundwater monitoring and sampling during this quarter at the subject site (Figure 1). The purpose of the monitoring and sampling is to evaluate groundwater flow direction and dissolved contaminant concentrations, and to inspect site wells for separate-phase hydrocarbons (SPH). Current groundwater analytical results and elevation data are shown on Figure 2. Current and historical data are summarized on Table 2.

SITE BACKGROUND

The Dublin Auto Wash retail gasoline station is located at the southwest corner of Dublin Boulevard and Village Parkway in Dublin, California (Figure 1). Currently, there are three 10,000-gallon underground storage tanks (USTs) and a carwash at the site. Land use immediately surrounding the station is commercial.

From approximately 1988 to 1997, Chevron Products Company performed assessment and remediation of the site. A soil vapor extraction (SVE) system was operated at the site from December 1992 through June 1995. Mr. Hadjian is the responsible party for an unauthorized release from a leaking stainless steel flex-hose near the northernmost dispenser island in February 1997. Subsequently, a new product delivery system was installed and about 31 cubic yards of contaminated soil was removed from the release area. Gettler-Ryan, Inc. monitored the eight existing groundwater wells at the site until 2003, when SOMA Environmental Engineering, Inc., took over groundwater monitoring and conducted further characterization of the site using electrical conductivity logging to identify potential water-bearing zones. In November 2004, Pangea commenced coordination of groundwater monitoring and corrective action for the site. To delineate the contamination detected during SOMA's investigation, Pangea installed additional monitoring wells with shorter screen lengths in identified water-bearing zones in 2006. Pangea also drilled three soil borings (SB-1, SB-1A and SB-2) to help evaluate subsurface conditions downgradient of the 1997 release and north of the site, and the potential for contamination migration along the 18-inch sanitary sewer line in Dublin Boulevard.

The site subsurface consists primarily of clay, sandy clay, and clayey sand. The shallower soil (<34 ft bgs) is predominantly clay and sandy clay with thin lenses of clayey sand, while the deeper soil (>34 ft bgs) contains clayey sand units of apparently higher permeability than shallower materials. In March, April and May, 2006, Pangea installed fourteen monitoring wells to help define the vertical and lateral extent of groundwater contamination in the identified water-bearing zones. Wells with shorter screen lengths than existing wells were installed in the upper shallow (AA) zone from approximately 9 to 14 ft bgs (MW-7AA), the shallow (A) zone from approximately 15 to 20 ft bgs (MW-3A, MW-6A, MW-7A, MW-8A, MW-9A and MW-10A), the middle (B) zone from approximately 25 to 30 ft bgs (MW-6B and MW-7B), and the deep (C) zone from approximately 34 to 45 ft bgs (MW-6C, MW-7C, MW-9C, MW-10C and MW-11C). The well screen in MW-

3A was installed at a shallower depth than the other A-zone wells to intercept the SPH previously observed in destroyed well MW-3.

The shallower (AA, A and B) water-bearing zones primarily consist of thin lenses of clayey sand within sandy clay, while higher permeability silty sand and clayey sand are the predominant soil types constituting the deeper © water-bearing zone. Vapor wells VW-1 through VW-3 are screened from approximately 3 to 9 ft bgs in the upper shallow seasonal water-bearing zone, which appears to be a perched zone. In late March and early April 2006, wells EA-1, EA-2, EA-3 and MW-3 were destroyed to reduce the risk of vertical contaminant migration and improve the quality of contaminant concentration and groundwater elevation data. To compare the elevation of surface water in the flood control channel with site groundwater, point C-1 was surveyed on the roadway overpass above the channel. Well construction details are presented in Table 1.

Prior Site Remediation

An interim remedial action was conducted by Pangea in July 2006 by extracting approximately 40 gallons of impacted liquid from wells MW-3A and MW-7AA with a vacuum truck. In November 2007, Pangea conducted a five-day dual-phase extraction (DPE) test (and interim remediation event) to evaluate the effectiveness of DPE as remedial technique and to provide additional source removal. On December 9, 2008, Pangea submitted an *Interim Remediation Report and Corrective Action Plan* (CAP) describing DPE testing and proposing short-term dual phase extraction (DPE) as the most appropriate and cost-effective technique for site remediation. In a letter dated January 16, 2009, ACEH approved short-term DPE for additional source removal to help facilitate case closure.

In July 2009 Pangea installed two dual-phase extraction (DPE) wells to facilitate implementation of the approved DPE corrective action plan (CAP). Wells DPE-1 and DPE-2 were constructed of 4-inch diameter and screened from 9 to 14 feet bgs. Details of the DPE well installation are described in Pangea's *Remediation Well Installation Report* dated December 16, 2009.

To remediate the small localized impact area, DPE was conducted between September 15, 2010 and November 15, 2010 until low contaminant removal rates were observed. The DPE system operated for a total of about 1,189 hours (approximately 50 days). Laboratory analytical data indicates that the system removed a total of approximately 443 lbs TPHg and 3.8 lbs benzene in vapor phase, and 0.4 lbs TPHg, 0.01 lbs benzene and 0.25 lbs MTBE in aqueous phase. The DPE system was shutdown on November 15, 2010 due to low contaminant removal rates, the small localized extent of site contamination, the commencement of the winter rainy season, and cost control. DPE operation was very costly due to high energy costs, because PG&E could not provide electrical service before the rainy season and PG&E required very costly re-engineering of the existing electrical service (\$20,000 or more). The utilized DPE equipment required diesel fuel and a diesel generator to power the vacuum pump and required propane as supplementary fuel for the oxidizer.

GROUNDWATER MONITORING AND SAMPLING

On August 3, 2011, groundwater monitoring and sampling was conducted at the site. The approved semi-annual groundwater monitoring program is summarized on Table A in Appendix A. Groundwater samples were obtained from groundwater monitoring wells MW-3A, MW-6A and MW-7AA; and remediation wells DPE-1 and DPE-2. The depth to water at survey point C-1 above the flood control channel was also measured. Monitoring and sampling of all deep monitoring wells (MW-6C, MW-7C, MW-9C, MW-10C and MW-11C) was discontinued beginning in the second quarter 2007, as approved by Barney Chan of ACEH in a May 14, 2007 telephone conversation, because no significant contamination had been detected in these deeper site wells during four consecutive quarters.

Before well purging, the dissolved oxygen (DO) concentration was measured in each sampled well. DO was measured by lowering a downwell sensor to the approximate middle of the water column, and allowing the reading to stabilize during gentle height adjustment. Prior to sample collection, approximately three casing volumes of water were purged using disposable bailers, a PVC bailer, an electric submersible pump, positive air displacement pump, or a peristaltic pump. During well purging, field technicians measured the pH, temperature and conductivity. Groundwater samples were collected from each well with a disposable bailer, and decanted into the appropriate containers supplied by the analytical laboratory. Groundwater samples were labeled, placed in protective plastic bags, and stored on crushed ice at or below 4° C. All samples were transported under chain-of-custody to a State-certified analytical laboratory. Purge water was temporarily stored onsite in DOT-approved 55-gallon drums. Groundwater monitoring field data sheets are presented in Appendix B.

MONITORING RESULTS

Current and historical groundwater elevation data and analytical results are described below and summarized on Table 2. Groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by modified EPA Method 8015C; and benzene, toluene, ethylbenzene, xylenes (BTEX), and methyl tertiary butyl ether (MTBE) by EPA Method 8021B. Samples were analyzed by McCampbell Analytical, Inc. of Pittsburg, California, a State-certified laboratory. The laboratory analytical report is included in Appendix B. DO concentrations ranged from 0.47 mg/L (well MW-6A) to 0.83 mg/L (well MW-7AA).

Groundwater Flow Direction

Based on depth-to-water data collected August 3, 2011 groundwater elevations in shallow and intermediate zones are shown on Figure 2 and discussed below. Groundwater flow at the site is complex due to the combined effects of a generally upward gradient, the nearby creek/flood control channel, seasonal fluctuations in flow direction, and possible influences of the city sewer line located beneath Dublin Boulevard.

Vertical Gradient Evaluation: A comparison of clustered well pairs screened at different depths indicates that a consistent *upward* gradient component of approximately 0.1 ft/ft is present between the shallow and intermediate water-bearing zones at the portion of the site north of the dispenser islands (MW-6A and 6B), and a smaller *upward* gradient is present southwest of the dispenser islands (MW-7A and MW-7B), as shown below on Table A. A *downward* gradient appears to be present between the upper shallow, AA-zone vapor wells (VW-1, VW-2 and VW-3) and the shallow A-zone monitoring wells, although this apparent gradient may be due to *perched* groundwater.

Table A – Vertical Gradient Evaluation using Paired Monitoring Wells

Monitoring Well Pair	Groundwater Elevation	Mean Screen Depth	Calculated Vertical Gradient
MW-6A	320.89	17.5	
MW-6B	321.74	28	
<i>Difference</i>	<i>0.85</i>	<i>10.5</i>	<i>0.08 (upwards)</i>
MW-7A	321.13	18	
MW-7B	321.27	28	
<i>Difference</i>	<i>0.14</i>	<i>10</i>	<i>0.01 (upwards)</i>

Horizontal Gradient Evaluation: Depth-to-water measurements collected during prior monitoring events indicate that the horizontal component of the groundwater flow direction to the north of the site has been consistently *southward to southeastward* for the *shallow* wells, but gradient directions in the southern portion of the site have fluctuated significantly, possibly due to the influence of the nearby flood control channel. As shown on Figure 2, the horizontal component of the groundwater flow direction in the *shallow* wells at the site for the current monitoring event appears to converge to the northeast along Dublin Boulevard and is possibly influenced by permeable backfill around the sanitary sewer line beneath Dublin Boulevard. Beneath the southern portion of the site the groundwater flow direction in the *shallow* wells appears to turn back to a *southward* direction. Groundwater flow at the site is possibly influenced by permeable backfill around the sanitary sewer line beneath Dublin Boulevard. The groundwater flow direction for the shallow water-bearing zone may also be affected by surface water infiltration from the onsite car wash. The horizontal component of groundwater flow in the *intermediate-depth* wells could not be determined since only two wells are screened at that depth.

Conclusion: The primary observation regarding the piezometric surface is that a moderately well-defined *upward* gradient is present in wells north of the dispenser islands. Historical depth-to-water and groundwater elevation data for the site are presented in Table 1.

Hydrocarbon Distribution in Groundwater

Based on recent results, hydrocarbon contamination is concentrated in the upper shallow (AA) and shallow (A) water-bearing zones in the vicinity of the fuel dispensers, as shown in Table 2 and on Figure 2. TPHg and benzene concentration trends in key wells are shown on Figures 3 and 4, respectively.

During this monitoring event, the highest TPHg concentration (9,400 µg/L) was detected in well MW-3A and the highest benzene (620 µg/L) concentration was detected in well MW-6A. Monitoring well MW-3A contained significantly higher TPHg and benzene concentrations compared to the August 12, 2010 results (prior to DPE remediation); the concentration increase this event in these wells is likely due to short-term DPE in late 2010. Pangea suspects that hydrocarbon concentrations in this well will attenuate in the near future due to the decreased contaminant mass and the oxygenation provided by the DPE activities. A similar concentration rise and subsequent fall was observed in this well after November 2007 DPE testing.

No separate-phase hydrocarbons (SPH) were detected in site wells this quarter. SPH was previously detected in MW-3 and replacement well MW-3A, but has not been detected in MW-3A since May 2006, shortly after well installation. A brief interim remedial action conducted on July 7, 2006, and consisting of removal of approximately 40 gallons of impacted liquid from well MW-3A using a vacuum truck, may have improved site conditions near well MW-3A. Site conditions were also likely improved by the five-day DPE test/removal event conducted in November 2007 on source area wells MW-3A, MW-6A, MW-7A and MW-7AA. Hydrocarbon concentrations in wells MW-3A, MW-6A and MW-7A generally increased after the November 2007 DPE testing and then returned to near or below pre-test levels. Hydrocarbon concentrations generally show stable to decreasing trends in all site wells, although concentrations remain elevated in select source area wells (MW-3A and MW-6A).

Fuel Oxygenate Distribution in Groundwater

MTBE was detected above reporting limits in three of the five sampled wells, as shown in Table 2 and on Figure 2. MTBE concentrations in sampled wells were at or near *historic lows*, except for source area well MW-3A, where DPE activities have likely temporarily affected groundwater quality. The highest MTBE concentration detected this quarter was 1,700 µg/L in well MW-3A. MTBE concentration trends in key wells are shown on Figure 5.

OTHER SITE ACTIVITIES

Post Remediation Verification Monitoring

This report presents monitoring data from the *fourth quarterly* monitoring event since the completion of short-term dual phase extraction (DPE) remediation described above. Due to recent increases and persistence of hydrocarbon concentrations, Pangea proposed groundwater monitoring reductions and presented a bioremediation workplan in the *Groundwater Monitoring Report and Bioremediation Workplan* dated July 19, 2011. To help control monitoring costs, Pangea proposed to reduce the groundwater monitoring frequency from quarterly to *semi-annually* (first and third quarter). The semi-annual groundwater monitoring program is shown in Appendix A. Pangea will summarize groundwater monitoring activities and results in a groundwater monitoring report.

Electronic Reporting

The report, laboratory data, and other applicable information will be uploaded to the State Water Resource Control Board's Geotracker database.

BIOREMEDIATION WORKPLAN

Pangea proposed to enhance contamination bioremediation using biosparging and bio-organic catalyst in the *Groundwater Monitoring Report and Bioremediation Workplan* dated July 19, 2011. Pangea is awaiting approval of the proposed remedial activities.

ATTACHMENTS

Figure 1 – Site Location Map

Figure 2 – Groundwater Elevation Contour and Hydrocarbon Concentration Map – Shallow

Figure 3 – TPHg Concentration Trends in Key Wells

Figure 4 – Benzene Concentration Trends in Key Wells

Figure 5 – MTBE Concentration Trends in Key Wells

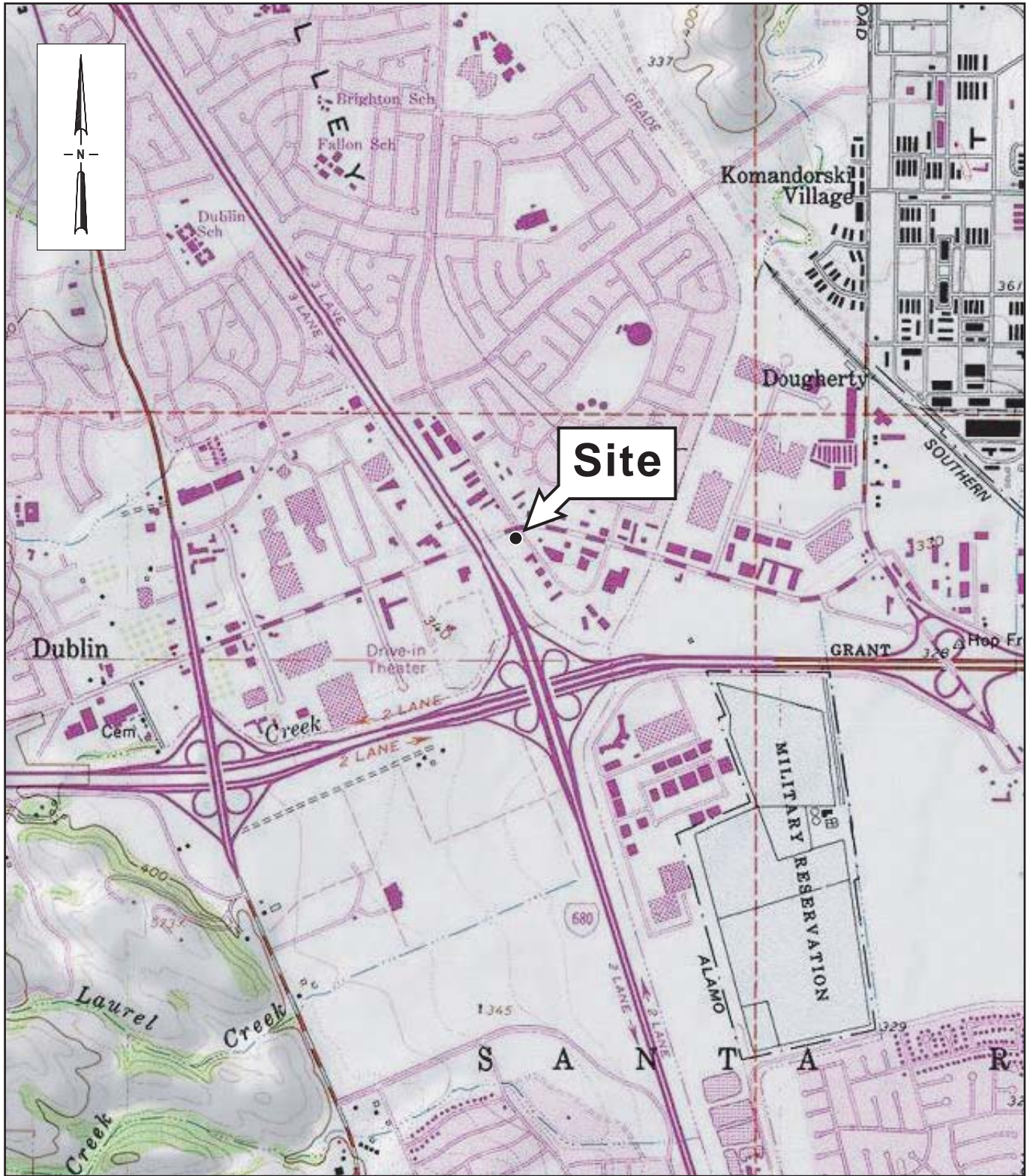
Table 1 – Well Construction Details

Table 2 – Groundwater Elevation and Analytical Data

Appendix A – Groundwater Monitoring Program

Appendix B – Groundwater Monitoring Field Data Sheets

Appendix C – Laboratory Analytical Results



SOURCE: TOPOI MAPS



SCALE : 1" = 1/4 MILE

Figure 1

Dublin Auto Wash
 7240 Dublin Boulevard
 Dublin, California



Site Location Map

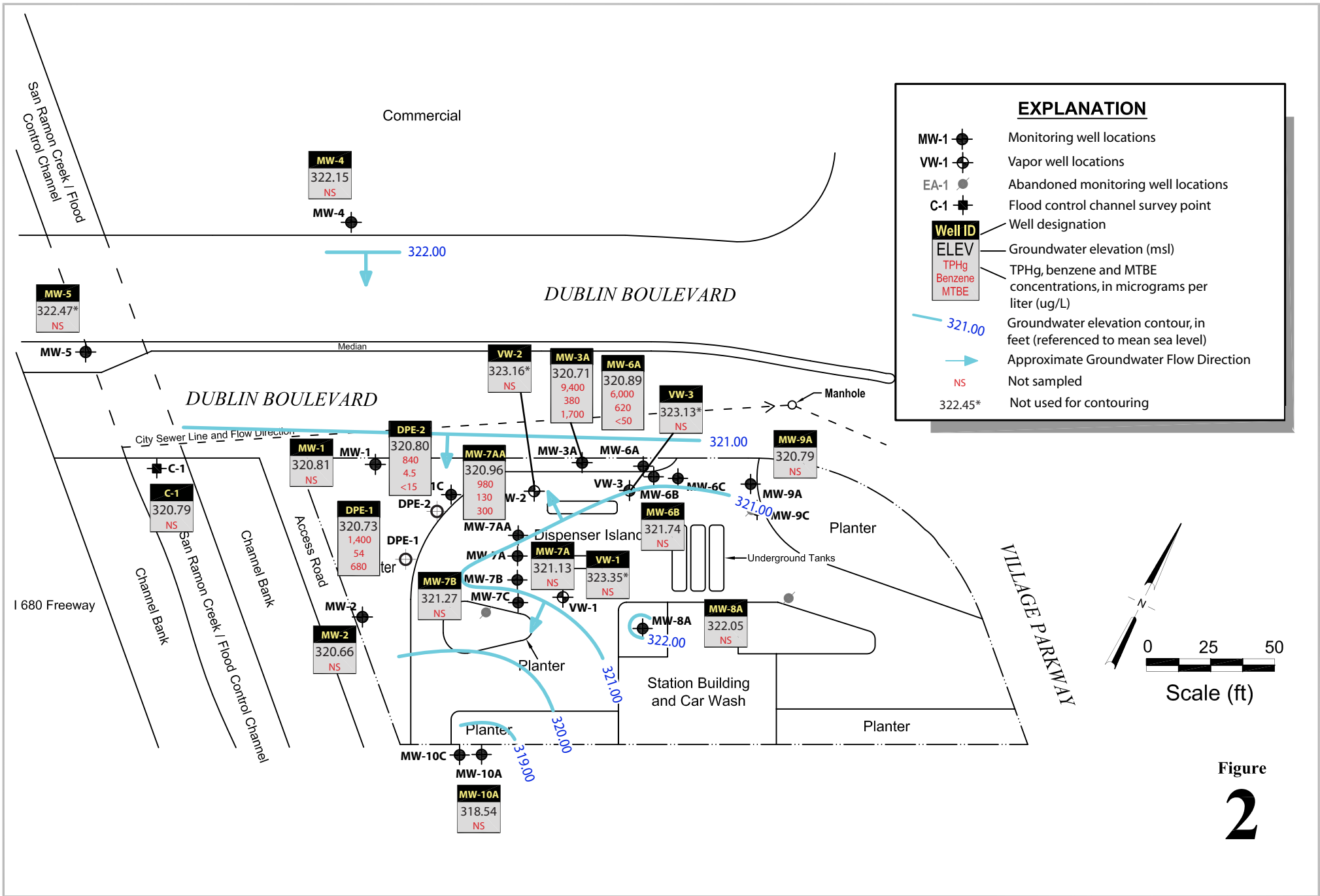


Figure
2

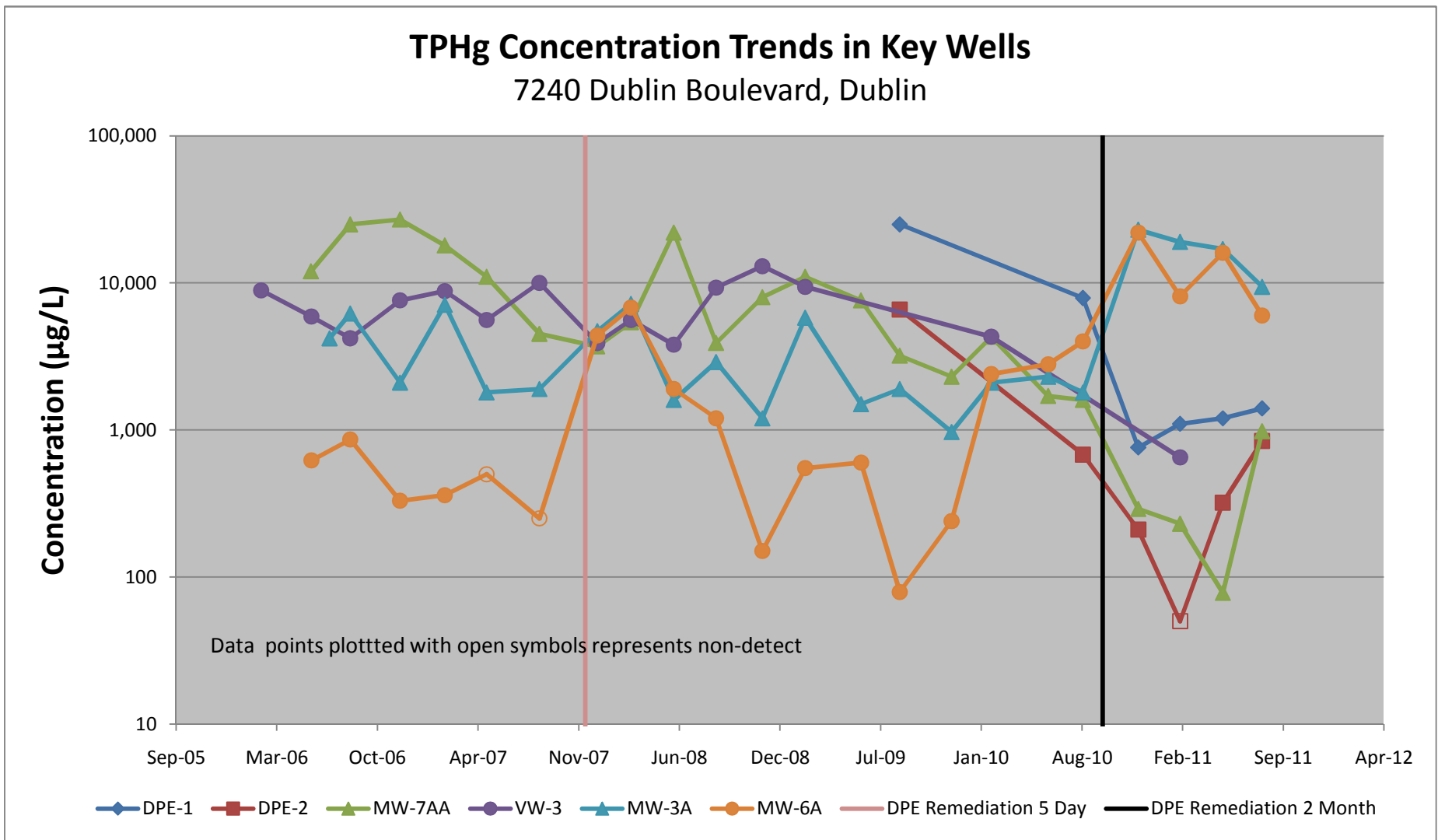


Figure 3. TPHg Concentration Trends in Key Wells

Benzene Concentration Trends in Key Wells

7240 Dublin Boulevard, Dublin

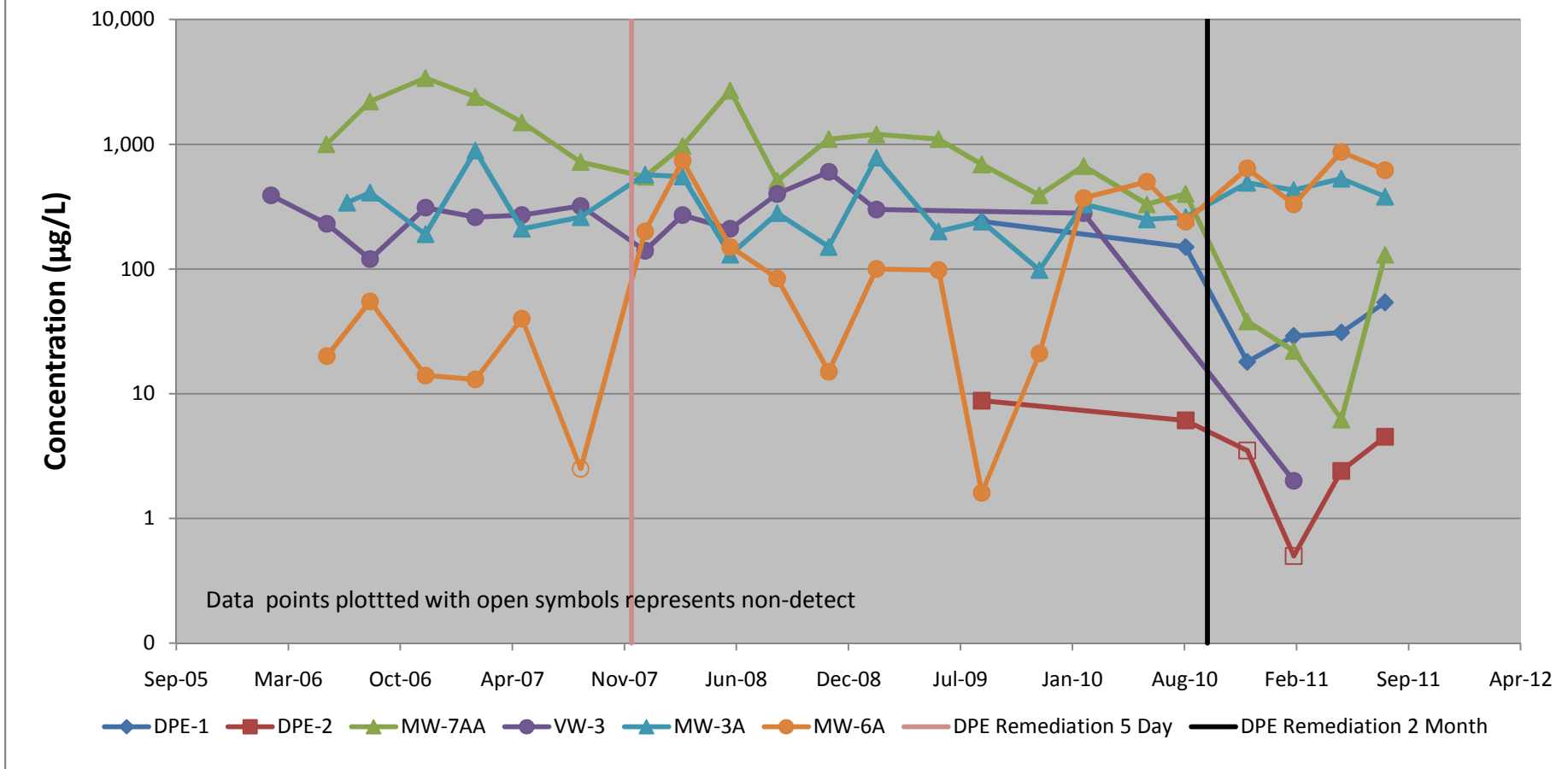


Figure 4. Benzene Concentration Trends in Key Wells

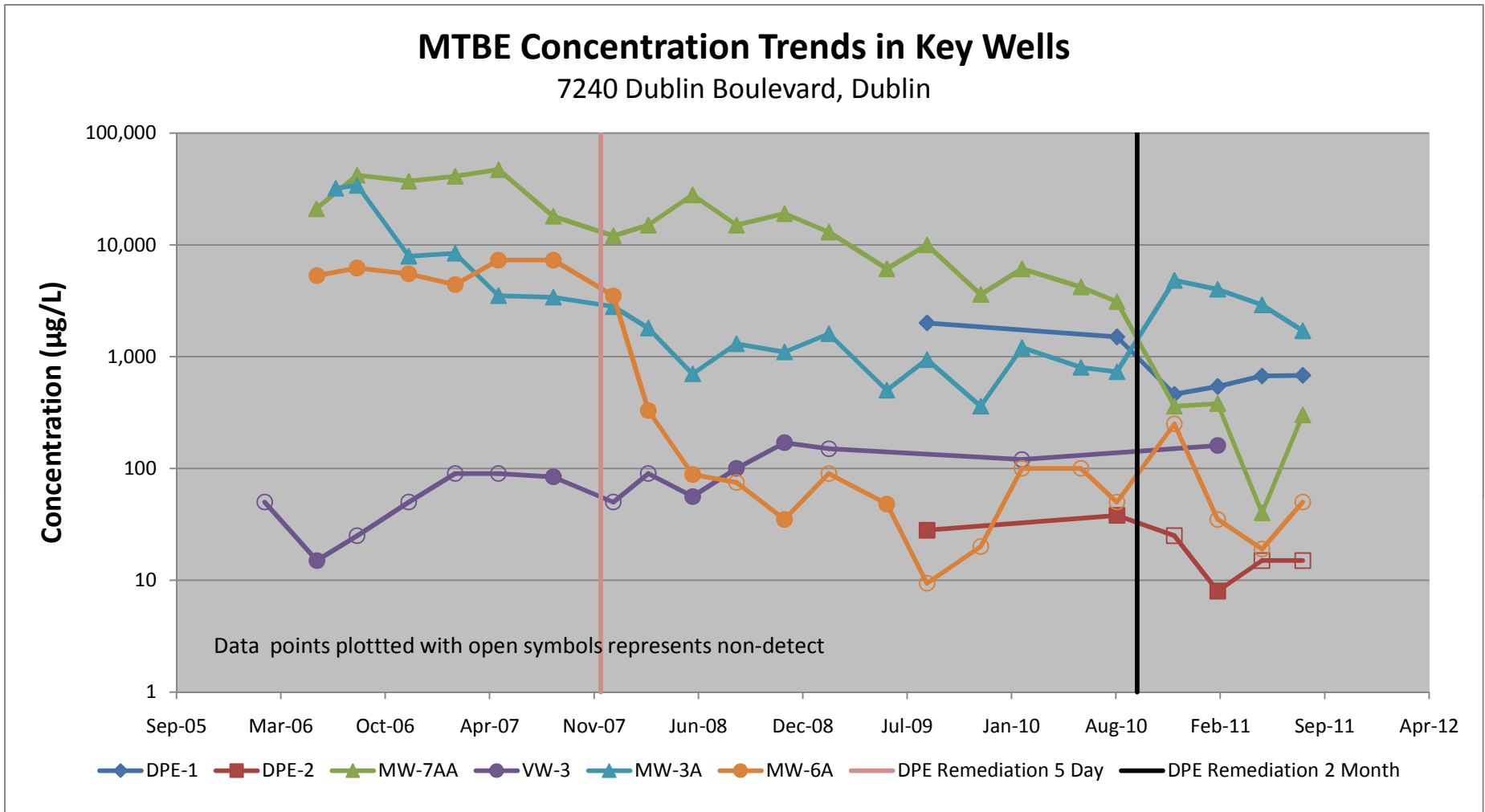


Figure 5. MTBE Concentration Trends in Key Wells

Table 1 –Well Construction Details –7240 Dublin Blvd., Dublin, CA

Well ID (TOC Elev)	Total Depth of Well (feet bgs)	Screened Interval (ft bgs)	Drill Hole Diameter (inches)	Casing Diameter (inches)	Surface Seal Depth (ft bgs)
DPE-1	14	9-14	10	4	0-8
DPE-2	14	9-14	10	4	0-8
MW-1	25	5-25	8	2	0-4
MW-2	20	5-20	8	2	0-4
MW-3A	17	10-17	10	4	0-9
MW-4	20	8.5-20	8	2	0-8
MW-5	21	8.5-21	8	2	0-8
MW-6A	20	15-20	10	2	0-14
MW-6B	30	26-30	8	2	0-25
MW-6C	44	34-44	8	2	0-33
MW-7AA	14	9-14	10	4	0-8
MW-7A	20	16-20	10	4	0-15
MW-7B	30	26-30	8	2	0-25
MW-7C	45	35-45	12	2	0-34
MW-8A	20	15-20	8	2	0-4
MW-9A	20	15-20	8	2	0-14
MW-9C	45	35-45	12	2	0-34
MW-10A	20	15-20	8	2	0-14
MW-10C	45	35-45	8	2	0-34
MW-11C	43.5	33.5-43.5	8	2	0-32
VW-1	9	3-9	8	2	0-2.5
VW-2	9	3-9	8	2	0-2.5
VW-3	9	3-9	8	2	0-2.5

Pangea

Table 2. Groundwater Elevation and Analytical Data - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Well ID	Date	Depth	Groundwater	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Dissolved	Notes
(ft)		(ft)	(ft, msl)							mg/L	
Surface Water (Flood Control Channel)											
C-1	08/17/06	11.60	321.29	--	--	--	--	--	--	--	Gauge data - flood control channel
332.89	11/24/06	12.10	320.79	--	--	--	--	--	--	--	
	02/21/07	12.10	320.79	--	--	--	--	--	--	--	
	05/15/07	12.05	320.84	--	--	--	--	--	--	--	
	08/28/07	11.90	320.99	--	--	--	--	--	--	--	
	12/21/07	12.16	320.73	--	--	--	--	--	--	--	
	02/26/08	12.21	320.68	--	--	--	--	--	--	--	
	05/21/08	12.40	320.49	--	--	--	--	--	--	--	
	08/13/08	11.95	320.94	--	--	--	--	--	--	--	
	11/13/08	12.40	320.49	--	--	--	--	--	--	--	
	02/06/09	12.02	320.87	--	--	--	--	--	--	--	
	05/28/09	11.98	320.91	--	--	--	--	--	--	--	
	08/13/09	12.01	320.88	--	--	--	--	--	--	--	
	11/24/09	11.92	320.97	--	--	--	--	--	--	--	
	02/11/10	11.95	320.94	--	--	--	--	--	--	--	
	06/04/10	11.98	320.91	--	--	--	--	--	--	--	
	08/12/10	11.94	320.95	--	--	--	--	--	--	--	
	11/30/10	11.68	321.21	--	--	--	--	--	--	--	
	02/21/11	10.27	322.62	--	--	--	--	--	--	--	
	05/17/11	12.02	320.87	--	--	--	--	--	--	--	
	08/03/11	12.10	320.79	--	--	--	--	--	--	--	
<hr/>											
Upper Shallow (AA-Zone) Wells											
DPE-1	08/13/09	10.55	--	25,000	240	160	530	3,900	2,000	--	
	08/12/10	10.20	--	7,900	150	17	110	1,000	1,500	1.12	
331.01	11/30/10	10.47	320.54	760	18	1.6	25	87	460	0.97	
	02/21/11	9.91	321.10	1,100	29	1.1	5.3	97	540	0.73	
	05/17/11	10.21	320.80	1,200	31	2.4	62	65	670	0.69	
	08/03/11	10.28	320.73	1,400	54	1.7	160	42	680	0.73	
DPE-2	08/13/09	11.06	--	6,600	8.8	<2.5	<2.5	710	28	--	
	08/12/10	10.49	--	680	6.1	4.7	<0.5	1.4	38	1.74	
331.42	11/30/10	10.63	320.79	210	3.5	1.7	0.70	1.8	<25	1.40	
	02/21/11	9.83	321.59	<50	<0.5	<0.5	<0.5	<0.5	8.0	1.12	
	05/17/11	10.50	320.92	320	2.4	1.5	12	3.0	<15	1.34	
	08/03/11	10.62	320.80	840	4.5	3.5	24	5.4	<15	0.62	
MW-7AA	05/31/06	9.18	321.49	12,000	1,000	410	180	1,600	23,000 (21,000)	0.44	TAME, TBA, DIPE, ETBE=ND
330.67	07/07/06	9.15	321.52	--	--	--	--	--	--	--	
	08/17/06	8.75	321.92	25,000	2,200	210	780	1,400	36,000(42,000)	0.24	
	11/24/06	9.84	320.83	27,000	3,400	1,100	1,300	3,400	37,000	0.33	
	02/21/07	9.60	321.07	18,000	2,400	670	200	2,800	41,000	0.58	
	05/15/07	10.20	320.47	11,000	1,500	200	520	1,100	47,000	0.49	
	08/28/07	10.20	320.47	4,500	720	13	73	100	18,000	0.33	
	12/21/07	10.09	320.58	3,700	550	32	74	330	12,000	0.58	
	02/26/08	8.96	321.71	5,400	970	7.2	320	100	15,000	0.74	
	05/21/08	10.28	320.39	22,000	2,700	19	940	440	28,000	0.71	
	08/13/08	10.38	320.29	3,900	510	<5.0	150	42	15,000	0.77	
	11/13/08	10.35	320.32	8,000	1,100	20	290	280	19,000	0.80	
	02/06/09	10.31	320.36	11,000	1,200	37	500	800	13,000	0.79	
	05/28/09	10.05	320.62	7,600	1,100	34	390	870	6,100	0.73	
	08/13/09	10.15	320.52	3,200	690	5.4	54	92	10,000	0.87	
	11/24/09	10.06	320.61	2,300	390	7.2	50	150	3,600	0.81	
	02/11/10	9.56	321.11	4,300	670	9.0	73	240	6,100	0.64	
	06/04/10	9.51	321.16	1,700	330	3.7	<1.7	120	4,200	0.61	
	08/12/10	9.63	321.04	1,600	400	3.0	50	7.0	3,100	0.70	
	11/30/10	9.70	320.97	290	38	0.95	6.1	19	360	0.89	
	02/21/11	8.57	322.10	230	22	<0.5	<0.5	7.2	380	0.54	
	05/17/11	9.51	321.16	78	6.2	1.1	<0.5	<0.5	40	1.31	
	08/03/11	9.71	320.96	980	130	1.4	49	53	300	0.83	
VW-1	02/21/06	7.95	322.48	860	120	1.4	32	4.4	390 (440)	1.97	
330.43	06/01/06	7.89	322.54	1,100	92	2.2	11	1.4	600 (550)	0.11	TAME=12µg/L, TBA,DIPE,ETBE=ND
	07/07/06	7.71	322.72	--	--	--	--	--	--	--	
	08/17/06	7.65	322.78	--	--	--	--	--	--	0.07	
	11/24/06	7.75	322.68							0.48	
	02/21/07	7.81	322.62	620	52	4.3	<0.5	2.7	340	0.22	
	05/15/07	7.94	322.49	2,000	270	6.4	1.2	15	720	0.10	
	08/28/07	8.07	322.36	2,400	400	4.6	<0.5	23	610	0.27	
	12/21/07	8.20	322.23								
	02/26/08	8.20	322.23								
	05/21/08	8.21	322.22								
	08/13/08	8.27	322.16								

Table 2. Groundwater Elevation and Analytical Data - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Well ID <i>TOC Elev</i> <i>(ft)</i>	Date Sampled	Depth to Water <i>(ft)</i>	Groundwater Elevation <i>(ft, msl)</i>	TPHg ←	Benzene	Toluene	Ethylbenzene μg/L	Xylenes	MTBE	Dissolved Oxygen mg/L	Notes
<i>VW-1 (cont'd)</i>	11/13/08	5.97	324.46	<50	<0.5	<0.5	<0.5	<0.5	46	1.10	
	02/06/09	6.04	324.39	<50	<0.5	<0.5	<0.5	<0.5	80	0.97	
	05/28/09	6.30	324.13	--	--	--	--	--	--	--	
	08/13/09	6.61	323.82	--	--	--	--	--	--	--	
	11/24/09	6.99	323.44	--	--	--	--	--	--	--	
	02/11/10	7.30	323.13	<50	<0.5	<0.5	<0.5	<0.5	29	1.16	
	06/04/10	6.00	324.43	---	---	---	---	---	---	---	
	08/12/10	6.30	324.13	---	---	---	---	---	---	---	
	11/30/10	6.95	323.48	---	---	---	---	---	---	---	
	02/21/11	7.25	323.18	<50	<0.5	<0.5	<0.5	<0.5	15	0.93	
	05/17/11	5.72	324.71	---	---	---	---	---	---	---	
08/03/11	7.08	323.35	---	---	---	---	---	---	---		
VW-2 <i>330.17</i>	02/21/06	6.01	324.16	1,600	150	2.7	55	20	1,700 (1,600)	1.97	
	06/01/06	6.17	324.00	1,500	140	3.3	24	19	1,600 (1,600)	0.29	TAME, TBA, DIPE, ETBE=ND
	07/07/06	7.02	323.15	--	--	--	--	--	--	--	
	08/17/06	7.23	322.94	--	--	--	--	--	--	0.14	
	11/24/06	5.55	324.62	<50	5.7	<0.5	<0.5	<0.5	260	0.20	
	02/21/07	6.22	323.95	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.42	
	05/15/07	7.54	322.63	430	40	1.5	<0.5	1.0	470	0.28	
	08/28/07	7.82	322.35	1,200	170	5.0	<0.5	20	160	0.35	
	12/21/07	4.44	325.73	<50	<0.5	<0.5	<0.5	<0.5	100	0.70	
	02/26/08	4.56	325.61	<50	<0.5	<0.5	<0.5	<0.5	21	0.75	
	05/21/08	7.65	322.52	300	28	1.7	<0.5	0.97	<45	0.71	
	08/13/08	7.92	322.25			Insufficient Water to Sample				1.58	
	11/13/08	5.96	324.21	<50	8.0	<0.5	<0.5	<0.5	53	0.97	
	02/06/09	6.06	324.11	<50	<0.5	<0.5	<0.5	<0.5	38	0.95	
	05/28/09	6.90	323.27	--	--	--	--	--	--	--	
	08/13/09	7.52	322.65	--	--	--	--	--	--	--	
	11/24/09	6.28	323.89	--	--	--	--	--	--	--	
	02/11/10	5.65	324.52	<50	<0.5	<0.5	<0.5	<0.5	39	0.91	
	06/04/10	5.72	324.45	---	---	---	---	---	---	---	
	08/12/10	1.50	328.67	---	---	---	---	---	---	---	
	11/30/10	2.46	327.71	---	---	---	---	---	---	---	
02/21/11	4.06	326.11	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.03		
05/17/11	3.58	326.59	---	---	---	---	---	---	---		
08/03/11	7.01	323.16	---	---	---	---	---	---	---		
VW-3 <i>330.49</i>	02/21/06	6.10	324.39	8,900	390	29	490	650	<50	2.28	
	06/01/06	6.22	324.27	5,900	230	4.5	270	63	<35 (15)	0.21	TAME, TBA, DIPE, ETBE=ND
	07/07/06	4.44	326.05	--	--	--	--	--	--	--	
	08/17/06	4.40*	326.09	4,200	120	1.7	39	30	<25	0.10	
	11/24/06	6.15	324.34	7,600	310	9.9	270	420	<50	0.21	
	02/21/07	6.87	323.62	8,800	260	5.1	130	160	<90	0.29	
	05/15/07	7.13	323.36	5,600	270	6.9	110	110	<90	0.36	
	08/28/07	7.41	323.08	10,000	320	5.9	150	140	84	0.39	
	12/21/07	6.28	324.21	3,900	140	1.9	54	29	<50	0.66	
	02/26/08	6.09	324.40	5,600	270	4.5	68	130	<90	0.69	
	05/21/08	6.46	324.03	3,800	210	3.0	32	47	56	0.77	
	08/13/08	6.93	323.56	9,300	400	4.8	87	60	100	0.59	
	11/13/08	7.45	323.04	13,000	600	9.6	220	120	170	2.79	
	02/06/09	7.41	323.08	9,400	300	9.1	140	230	<150	2.16	
	05/28/09	5.93	324.56	--	--	--	--	--	--	--	
	08/13/09	6.40	324.09	--	--	--	--	--	--	--	
	11/24/09	6.75	323.74	--	--	--	--	--	--	--	
	02/11/10	6.08	324.41	4300	280	3.7	52	80	<120	1.77	
	06/04/10	6.41	324.08	---	---	---	---	---	---	---	
	08/12/10	6.51	323.98	---	---	---	---	---	---	---	
	11/30/10	8.22	322.27	---	---	---	---	---	---	---	
02/21/11	7.45	323.04	650	2.0	<0.5	<0.5	87	160	1.25		
05/17/11	7.51	322.98	---	---	---	---	---	---	---		
08/03/11	7.36	323.13	---	---	---	---	---	---	---		
Shallow (A-Zone) Wells											
MW-1 <i>333.66</i>	10/04/94	12.8	320.76	2,100	150	170	61	320	--		
	11/30/94	12.38	321.18	1,500	210	17	73	130	--		
	03/02/95	12.88	320.68	2,600	510	<10	160	<10	--		
	06/07/95	12.58	320.98	710	160	<2.0	45	<2.0	<10		
	09/26/95	13.15	320.41	1,100	140	1.4	92	1.8	<5.0		
	12/28/95	13.09	320.47	750	96	2.5	61	7.4	37		
	02/29/96	12.17	321.39	250	17	<0.5	18	0.81	9		
	06/27/96	12.95	320.61	710	72	<2.0	92	2.2	<10		
	09/12/96	13.11	320.55	300	53	<0.5	32	0.65	21		
	03/31/97	12.99	320.67	<200	4.1	<2.0	4.8	<2.0	640		
	12/23/98	13.87	319.79	<50	<50	<0.5	<0.5	<0.5	3200		
	03/25/99	12.01	321.65	<50	<0.5	<0.5	<0.5	<0.5	5,200 (5,200)		
	02/03/00	11.91	321.75	<500	<5.0	<5.0	<5.0	<5.0	3,180 (3,350)		

Table 2. Groundwater Elevation and Analytical Data - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Well ID <i>TOC Elev</i> <i>(ft)</i>	Date Sampled	Depth to Water <i>(ft)</i>	Groundwater Elevation <i>(ft, msl)</i>	TPHg ←	Benzene	Toluene	Ethylbenzene μg/L	Xylenes	MTBE	Dissolved Oxygen mg/L	Notes
<i>MW-2 (cont'd)</i>	11/13/08	9.16	320.32	<50	<0.5	<0.5	<0.5	<0.5	77	0.86	
	02/06/09	9.39	320.09	<50	<0.5	<0.5	<0.5	<0.5	20	0.81	
	05/28/09	8.86	320.62	<50	<0.5	<0.5	<0.5	<0.5	12	0.74	
	08/13/09	8.81	320.67	<50	<0.5	<0.5	<0.5	<0.5	10	0.69	
	11/24/09	9.04	320.44	<50	<0.5	<0.5	<0.5	<0.5	13	0.80	
	02/11/10	7.50	321.98	<50	<0.5	<0.5	<0.5	<0.5	7.8	0.76	
	06/04/10	8.80	320.68	<50	<0.5	<0.5	<0.5	<0.5	6.5	0.82	
	08/12/10	8.61	320.87	<50	<0.5	<0.5	<0.5	<0.5	8.0	0.85	
	11/30/10	8.99	320.49	<50	<0.5	<0.5	<0.5	<0.5	6.8	0.93	
	02/21/11	8.46	321.02	<50	<0.5	<0.5	<0.5	<0.5	7.5	0.95	
	05/17/11	8.58	320.90	---	---	---	---	---	---	---	
	08/03/11	8.82	320.66	---	---	---	---	---	---	---	
MW-3A <i>331.39</i>	05/29/06	10.13	321.28	--	--	--	--	--	--	--	0.03 SPH
	07/07/06	10.15	321.24	4,200	340	27	75	79	32,000	--	
	08/17/06	9.56	321.83	6,200	410	68	100	650	28,000(34,000)	0.19	
	11/24/06	10.73	320.66	2,100	190	11	72	220	7,900	0.10	
	02/21/07	10.52	320.87	7,100	890	28	440	470	8,400	0.17	
	05/15/07	11.46	319.93	1,800	210	11	96	88	3,500	0.25	
	08/28/07	11.62	319.77	1,900	260	6.9	110	74	3,400	0.28	
	12/21/07	11.33	320.06	4,700	570	160	120	970	2,800	0.54	
	02/26/08	10.25	321.14	7,200	550	32	440	690	1,800	0.49	
	05/21/08	11.52	319.87	1,600	130	2.9	40	94	700	0.55	
	08/13/08	11.62	319.77	2,900	280	3.4	52	56	1,300	0.52	
	11/13/08	11.55	319.84	1,200	150	3.5	22	31	1,100	0.64	
	02/06/09	11.70	319.69	5,800	780	25	260	390	1,600	0.69	
	05/28/09	11.30	320.09	1,500	200	9.0	57	190	500	0.70	
	08/13/09	11.40	319.99	1,900	240	6.3	29	72	940	0.81	
	11/24/09	11.22	320.17	970	98	5.2	25	41	360	0.79	
	02/11/10	10.87	320.52	2,100	330	8.6	27	34	1,200	0.72	
	06/04/10	10.60	320.79	2,300	250	31	40	330	800	0.69	
	08/12/10	10.75	320.64	1,800	260	9.2	50	120	730	0.63	
	11/30/10	10.61	320.78	23,000	490	140	220	5,800	4,800	0.80	
	02/21/11	9.59	321.80	19,000	430	33	160	3,500	4,000	0.74	
05/17/11	10.56	320.83	17,000	530	27	390	3,000	2,900	0.43		
	08/03/11	10.68	320.71	9,400	380	13	380	730	1,700	0.56	
MW-4 <i>332.63</i>	03/01/96	9.9	322.74	<50	<0.5	<0.5	<0.5	<0.5	<2.5		
	04/02/96	9.77	322.87	--	--	--	--	--	--		
	06/27/96	10	322.64	<50	<0.5	<0.5	<0.5	<0.5	<2.5		
	09/12/96	11.67	320.96	<50	<0.5	<0.5	<0.5	<0.5	3.5		
	03/31/97	10.59	322.04	<50	<0.5	<0.5	<0.5	<0.5	<2.5		
	12/23/98	10.37	322.26	<50	<0.5	<0.5	<0.5	<1.5	<2.5		
	03/25/99	9.91	322.72	<50	<0.5	<0.5	<0.5	<0.5	<2.5		
	02/03/00	10.32	322.31	<50	<0.5	<0.5	<0.5	<0.5	<2.5/<2.0 (3)		
	01/23/01	10.54	322.09	<50	<0.5	<0.5	<0.5	<0.5	<5.0		
	05/01/01	10.32	322.31				SAMPLED ANNUALLY				
	08/28/01	10.57	322.06				SAMPLED ANNUALLY				
	11/27/01	10.29	322.34				SAMPLED ANNUALLY				
	02/28/02	10.3	322.33	<50	<0.5	<0.5	<0.5	<1.5	<2.5		
	05/22/02	10.12	322.51				SAMPLED ANNUALLY				
	08/20/02	10.43	322.2				SAMPLED ANNUALLY				
	11/11/02	9.89	322.74				SAMPLED ANNUALLY				
	05/08/03	9.79	322.84	<50	<0.5	<0.5	<0.5	<0.5	<2		
	12/15/04	10.56	322.07	<50	<0.5	<0.5	<0.5	<0.5	<5.0		
	02/21/05	9.50	323.13	<50	<0.5	<0.5	<0.5	<0.5	<5.0 (<0.5)	1.60	
	05/17/05	10.20	322.43				SAMPLED ANNUALLY			1.29	
	08/17/05	10.50	322.13				SAMPLED ANNUALLY			1.10	
	11/27/05	11.07	321.56				SAMPLED ANNUALLY			1.01	
	02/21/06	10.53	322.10	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.14/0.90	
	05/29/06	10.33	322.31				SAMPLED ANNUALLY			--	
	07/07/06	10.52	322.12	--	--	--	--	--	--	--	
	08/17/06	10.45	322.19	--	--	--	--	--	--	--	
	11/24/06	10.95	321.69	--	--	--	--	--	--	0.22	
	02/21/07	10.71	321.93	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.40	
	05/15/07	11.24	321.40	--	--	--	--	--	--	--	
	08/28/07	11.42	321.22	--	--	--	--	--	--	0.52	
	12/21/07	11.26	321.38	--	--	--	--	--	--	0.81	
	02/26/08	10.12	322.52	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.06	
	05/21/08	11.30	321.34	--	--	--	--	--	--	0.98	
08/13/08	11.23	321.41	--	--	--	--	--	--	0.71		
11/13/08	10.93	321.71	--	--	--	--	--	--	--		
02/06/09	10.98	321.66	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.67		
05/28/09	10.96	321.68	--	--	--	--	--	--	--		
08/13/09	11.23	321.41	--	--	--	--	--	--	--		
11/24/09	11.15	321.49	--	--	--	--	--	--	--		
02/11/10	10.17	322.47	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.69		

Table 2. Groundwater Elevation and Analytical Data - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Well ID <i>TOC Elev</i> <i>(ft)</i>	Date Sampled	Depth to Water <i>(ft)</i>	Groundwater Elevation <i>(ft, msl)</i>	TPHg ←	Benzene	Toluene	Ethylbenzene μg/L	Xylenes	MTBE	Dissolved Oxygen mg/L	Notes	
												→
<i>MW-4 (cont'd)</i>	06/04/10	10.52	322.12	---	---	---	---	---	---	---		
	08/12/10	10.72	321.92	---	---	---	---	---	---	---		
	11/30/10	10.75	321.89	---	---	---	---	---	---	---		
	02/21/11	9.29	323.35	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.61		
	05/17/11	10.37	322.27	---	---	---	---	---	---	---		
	08/03/11	10.49	322.15	---	---	---	---	---	---	---		
MW-5 <i>333.47</i>	03/01/96	10.62	322.58	<50	<0.5	<0.5	<0.5	<0.5	<2.5			
	04/02/96	10.14	323.06	--	--	--	--	--	--			
	06/27/96	10.22	322.98	<50	<0.5	<0.5	<0.5	<0.5	<2.5			
	09/12/96	10.85	322.19	<50	<0.5	<0.5	<0.5	<0.5	<2.5			
	03/31/97	10.44	322.6	<50	<0.5	<0.5	<0.5	<0.5	<2.5			
	12/23/98	10.21	322.83	<50	<0.5	<0.5	<0.5	<1.5	<2.5			
	03/25/99	9.92	323.12	<50	<0.5	<0.5	<0.5	<0.5	<2.5			
	02/03/00	9.63	323.41	<50	<0.5	<0.5	<0.5	<0.5	<2.5/<2.03			
	01/23/01	10.35	322.69	<50	<0.5	<0.5	<0.5	<0.5	<5.0			
	05/01/01	10.34	322.7								SAMPLED ANNUALLY	
	08/28/01	10.44	322.6								SAMPLED ANNUALLY	
	11/27/01	10.17	322.87								SAMPLED ANNUALLY	
	02/28/02	10.2	322.84	<50	<0.5	<0.5	<0.5	<1.5	<2.5			
	05/22/02	10.38	322.66								SAMPLED ANNUALLY	
	08/20/02	10.36	322.68								SAMPLED ANNUALLY	
	11/11/02	10.03	323.01								SAMPLED ANNUALLY	
	05/08/03	9.56	323.48	<50	<0.5	<0.5	<0.5	<0.5	3.4/<0.5			
	12/15/04	10.08	322.96	<50	<0.5	<0.5	<0.5	<0.5	<5.0			
	02/21/05	9.90	323.14	<50	<0.5	<0.5	<0.5	<0.5	<5.0 (0.54)	1.62		
	05/17/05	10.33	322.71							1.47		
	08/17/05	10.40	322.64							1.18		
	<i>333.13</i>	11/27/05	10.43	322.61							1.19	
		02/21/06	10.32	322.81	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.48/0.76	
		05/29/06	10.41	322.72							--	
		07/07/06	10.46	322.67	--	--	--	--	--	--	--	
		08/17/06	10.49	324.19	--	--	--	--	--	--	--	
		11/24/06	10.92	322.21	--	--	--	--	--	--	0.27	
		02/21/07	10.90	322.23	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.73	
		05/15/07	10.97	322.16	--	--	--	--	--	--	--	
		08/28/07	11.07	322.06	--	--	--	--	--	--	0.55	
		12/21/07	10.80	322.33	--	--	--	--	--	--	0.97	
		02/26/08	10.38	322.75	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.01	
		05/21/08	10.97	322.16	--	--	--	--	--	--	0.95	
08/13/08		10.98	322.15	--	--	--	--	--	--	0.99		
11/13/08		11.01	322.12	--	--	--	--	--	--	--		
02/06/09		11.05	322.08	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.82		
05/28/09	10.80	322.33	--	--	--	--	--	--	--			
08/13/09	10.90	322.23	--	--	--	--	--	--	--			
11/24/09	10.96	322.17	--	--	--	--	--	--	--			
02/11/10	10.50	322.63	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.80			
06/04/10	10.68	322.45	---	---	---	---	---	---	---			
08/12/10	10.61	322.52	---	---	---	---	---	---	---			
11/30/10	10.68	322.45	---	---	---	---	---	---	---			
02/21/11	10.35	322.78	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.78			
05/17/11	10.56	322.57	---	---	---	---	---	---	---			
08/03/11	10.66	322.47	---	---	---	---	---	---	---			
MW-6A <i>331.81</i>	06/01/06	10.38	321.43	620	20	<2.5	<2.5	43	5,700 (5,300)	0.73	TAME, TBA, DIPE, ETBE=ND	
	07/07/06	10.15	321.66	--	--	--	--	--	--	--		
	08/17/06	9.69	322.12	860	55	3.1	31	41	5,300(6,200)	0.49		
	11/24/06	11.10	320.71	330	14	<2.5	11	3.4	5,500	0.37		
	02/21/07	10.72	321.09	360	13	1.8	16	34	4,400	0.50		
	05/15/07	11.69	320.12	<500	40	5.3	11	16	7,300	0.52		
	08/28/07	11.98	319.83	<250	<2.5	<2.5	<2.5	<2.5	7,300	0.39		
	12/21/07	11.31	320.50	4,400	200	45	50	550	3,500	0.45		
	02/26/08	10.15	321.66	6,800	740	130	290	600	330	0.61		
	05/21/08	11.60	320.21	1,900	150	8.1	44	100	88	0.63		
	08/13/08	11.91	319.90	1,200	84	3.7	36	18	<75	0.42		
	11/13/08	11.73	320.08	150	15	1.4	3.0	4.2	35	0.44		
	02/06/09	11.66	320.15	550	100	9.3	22	34	<90	0.48		
	05/28/09	11.45	320.36	600	98	14	21	42	48	0.55		
	08/13/09	11.49	320.32	79	1.6	1.5	0.66	0.76	9.4	0.69		
	11/24/09	11.15	320.66	240	21	3.7	5.8	20	<20	0.72		
	02/11/10	10.80	321.01	2,400	370	65	47	320	<100	0.55		
	06/04/10	10.44	321.37	2,800	500	85	87	500	<100	0.68		
	08/12/10	10.65	321.16	4,000	240	39	160	770	<50	0.72		
	11/30/10	10.69	321.12	22,000	640	210	940	4,300	<250	0.89		
02/21/11	9.79	322.02	8,100	330	93	340	1,700	<35	0.62			
05/17/11	10.78	321.03	16,000	870	75	780	2,500	<19	0.83			
08/03/11	10.92	320.89	6,000	620	24	340	830	<50	0.47			

Table 2. Groundwater Elevation and Analytical Data - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Well ID <i>TOC Elev</i> <i>(ft)</i>	Date Sampled	Depth to Water <i>(ft)</i>	Groundwater Elevation <i>(ft, msl)</i>	TPHg ←	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Dissolved Oxygen <i>mg/L</i>	Notes
MW-7A <i>330.71</i>	05/31/06	9.19	321.52	<50	1.3	<0.5	0.79	0.82	760 (770)	0.40	TAME, TBA, DIPE, ETBE=ND
	07/07/06	9.17	321.54	--	--	--	--	--	--	--	
	08/17/06	8.68	322.03	60	1.1	<0.5	<0.5	1.1	930 (1,400)	0.29	
	11/24/06	9.88	320.83	<50	<0.5	<0.5	<0.5	<0.5	260	0.20	
	02/21/07	9.59	321.12	<50	4.6	<0.5	0.62	2.2	270	0.35	
	05/15/07	10.15	320.56	<50	<0.5	<0.5	<0.5	<0.5	45	0.40	
	08/28/07	10.09	320.62	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.42	
	12/21/07	10.00	320.71	3,200	180	38	100	410	890	0.68	
	02/26/08	8.78	321.93	1,300	150	1.8	59	99	410	0.90	
	05/21/08	10.16	320.55	200	18	<0.5	3.3	<0.5	30	0.75	
	08/13/08	10.27	320.44	<50	<0.5	<0.5	<0.5	<0.5	24	0.81	
	11/13/08	10.27	320.44	<50	<0.5	<0.5	<0.5	<0.5	30	0.85	
	02/06/09	10.22	320.49	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.83	
	05/28/09	9.91	320.80	--	--	--	--	--	--	--	
	08/13/09	9.98	320.73	--	--	--	--	--	--	--	
	11/24/09	9.93	320.78	--	--	--	--	--	--	--	
	02/11/10	9.39	321.32	360	75	0.83	4.8	62	200	0.90	
	06/04/10	9.43	321.28	---	---	---	---	---	---	---	
	08/12/10	9.50	321.21	---	---	---	---	---	---	---	
	11/30/10	9.73	320.98	---	---	---	---	---	---	---	
02/21/11	8.37	322.34	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.87		
05/17/11	9.33	321.38	---	---	---	---	---	---	---		
08/03/11	9.58	321.13	---	---	---	---	---	---	---		
MW-8A <i>331.19</i>	05/29/06	9.55	321.64	<50	<0.5	<0.5	<0.5	<0.5	20 (18)	0.39	TAME, TBA, DIPE, ETBE=ND
	07/07/06	9.20	321.99	--	--	--	--	--	--	--	
	08/17/06	8.73	322.46	<50	<0.5	<0.5	<0.5	<0.5	19 (26)	0.26	
	11/24/06	9.80	321.39	<50	<0.5	<0.5	<0.5	<0.5	34	0.21	
	02/21/07	9.81	321.38	<50	<0.5	<0.5	<0.5	<0.5	16	0.29	
	05/15/07	10.05	321.14	<50	<0.5	<0.5	<0.5	<0.5	13	0.33	
	08/28/07	9.83	321.36	<50	<0.5	<0.5	<0.5	<0.5	19	0.35	
	12/21/07	10.36	320.83	<50	<0.5	<0.5	<0.5	<0.5	16	0.61	
	02/26/08	8.33	322.86	<50	<0.5	<0.5	<0.5	<0.5	38	0.77	
	05/21/08	9.99	321.20	<50	<0.5	<0.5	<0.5	<0.5	13	0.81	
	08/13/08	10.49	320.70	<50	<0.5	<0.5	<0.5	<0.5	68	0.65	
	11/13/08	10.39	320.80	<50	<0.5	<0.5	<0.5	<0.5	110	0.68	
	02/06/09	10.42	320.77	<50	<0.5	<0.5	<0.5	<0.5	75	0.70	
	05/28/09	9.90	321.29	<50	<0.5	<0.5	<0.5	<0.5	36	0.66	
	08/13/09	9.78	321.41	<50	<0.5	<0.5	<0.5	<0.5	68	0.74	
	11/24/09	9.76	321.43	<50	<0.5	<0.5	<0.5	<0.5	66	0.71	
	02/11/10	9.33	321.86	<50	<0.5	<0.5	<0.5	<0.5	56	0.63	
	06/04/10	8.95	322.24	<50	<0.5	<0.5	<0.5	<0.5	30	0.69	
	08/12/10	9.24	321.95	<50	<0.5	<0.5	<0.5	<0.5	28	0.75	
	11/30/10	13.19	318.00	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.69	
02/21/11	12.65	318.54	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.68		
05/17/11	9.44	321.75	---	---	---	---	---	---	---		
08/03/11	9.14	322.05	---	---	---	---	---	---	---		
MW-9A <i>331.17</i>	05/29/06	10.13	321.04	<50	<0.5	<0.5	<0.5	<0.5	210 (210)	0.46	TAME, TBA, DIPE, ETBE=ND
	07/07/06	9.96	321.21	--	--	--	--	--	--	--	
	08/17/06	9.40	321.77	150	<0.5	1.3	<0.5	<0.5	79(100)	0.53	
	11/24/06	11.02	320.15	200	<0.5	2.4	<0.5	<0.5	31	0.38	
	02/21/07	10.53	320.64	<50	<0.5	<0.5	<0.5	<0.5	21	0.33	
	05/15/07	10.81	320.36	86	<0.5	<0.5	<0.5	<0.5	31	0.45	
	08/28/07	11.11	320.06	95	<0.5	1.4	<0.5	<0.5	10	0.38	
	12/21/07	10.76	320.41	120	<0.5	2.9	<0.5	0.51	9.5	0.50	
	02/26/08	9.71	321.46	120	<0.5	1.2	<0.5	<0.5	9.5	0.86	
	05/21/08	10.75	320.42	86	<0.5	<0.5	<0.5	<0.5	6.3	0.84	
	08/13/08	11.31	319.86	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.76	
	11/13/08	11.14	320.03	52	<0.5	<0.5	<0.5	<0.5	5.5	0.63	
	02/06/09	11.16	320.01	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.61	
	05/28/09	10.75	320.42	--	--	--	--	--	--	--	
	08/13/09	10.65	320.52	--	--	--	--	--	--	--	
	11/24/09	10.48	320.69	--	--	--	--	--	--	--	
	02/11/10	10.16	321.01	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.63	
	06/04/10	9.80	321.37	---	---	---	---	---	---	---	
	08/12/10	10.08	321.09	---	---	---	---	---	---	---	
	11/30/10	10.10	321.07	---	---	---	---	---	---	---	
02/21/11	9.45	321.72	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.73		
05/17/11	10.07	321.10	---	---	---	---	---	---	---		
08/03/11	10.38	320.79	---	---	---	---	---	---	---		
MW-10A <i>329.93</i>	05/29/06	11.60	318.33	<50	<0.5	<0.5	<0.5	0.67	5.3 (4.7)	0.68	TAME, TBA, DIPE, ETBE=ND
	07/07/06	9.78	320.15	--	--	--	--	--	--	--	
	08/17/06	8.80	321.13	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.47	
	11/24/06	12.61	317.32	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.26	

Table 2. Groundwater Elevation and Analytical Data - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Well ID <i>TOC Elev</i> (ft)	Date Sampled	Depth to Water (ft)	Groundwater Elevation (ft, msl)	TPHg ←	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Dissolved Oxygen mg/L	Notes
<i>MW-10A (cont'd)</i>	02/21/07	8.96	320.97	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.25	
	05/15/07	9.22	320.71	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.30	
	08/28/07	8.44	321.49	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.35	
	12/21/07	8.81	321.12	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.47	
	02/26/08	7.34	322.59	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.70	
	05/21/08	9.22	320.71	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.64	
	08/13/08	9.25	320.68	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.61	
	11/13/08	9.47	320.46	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.70	
	02/06/09	9.50	320.43	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.68	
	05/28/09	9.11	320.82	--	--	--	--	--	--	--	
	08/13/09	9.21	320.72	--	--	--	--	--	--	--	
	11/24/09	9.26	320.67	--	--	--	--	--	--	--	
	02/11/10	8.35	321.58	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.64	
	06/04/10	8.73	321.20	--	--	--	--	--	--	--	
	08/12/10	8.85	321.08	--	--	--	--	--	--	--	
	11/30/10	9.02	320.91	--	--	--	--	--	--	--	
	02/21/11	7.78	322.15	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.70	
	05/17/11	11.61	318.32	--	--	--	--	--	--	--	
	08/03/11	11.39	318.54	--	--	--	--	--	--	--	

Intermediate-Depth (B-zone) Wells

MW-6B <i>330.9</i>	06/01/06	8.41	322.49	<50	<0.5	<0.5	<0.5	<0.5	18 (16)	0.34	TAME, TBA, DIPE, ETBE=ND
	07/07/06	8.55	322.35	--	--	--	--	--	--	--	
	08/17/06	8.66	322.24	<50	<0.5	<0.5	<0.5	<0.5	8.5(9.6)	0.40	
	11/24/06	9.25	321.65	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.31	
	02/21/07	8.80	322.10	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.37	
	05/15/07	9.21	321.69	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.31	
	08/28/07	9.60	321.30	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.51	
	12/21/07	9.42	321.48	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.82	
	02/26/08	7.87	323.03	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.80	
	05/21/08	9.37	321.53	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.87	
	08/13/08	9.70	321.20	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.81	
	11/13/08	9.62	321.28	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.78	
	02/06/09	9.53	321.37	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.71	
	05/28/09	9.23	321.67	--	--	--	--	--	--	--	
	08/13/09	9.63	321.27	--	--	--	--	--	--	--	
	11/24/09	9.63	321.27	--	--	--	--	--	--	--	
	02/11/10	8.41	322.49	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.68	
	06/04/10	8.72	322.18	--	--	--	--	--	--	--	
	08/12/10	9.10	321.80	--	--	--	--	--	--	--	
11/30/10	9.02	321.88	--	--	--	--	--	--	--		
02/21/11	8.11	322.79	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.66		
05/17/11	8.83	322.07	--	--	--	--	--	--	--		
08/03/11	9.16	321.74	--	--	--	--	--	--	--		
MW-7B <i>330.69</i>	05/31/06	9.05	321.64	<50	0.79	<0.5	<0.5	0.75	6.4 (6.6)	0.17	TAME, TBA, DIPE, ETBE=ND
	07/07/06	9.03	321.66	--	--	--	--	--	--	--	
	08/17/06	8.62	322.07	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.22	
	11/24/06	9.75	320.94	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.27	
	02/21/07	9.44	321.25	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.29	
	02/21/07	9.44	321.25	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.29	
	05/15/07	9.97	320.72	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.33	
	08/28/07	9.96	320.73	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.51	
	12/21/07	9.87	320.82	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.53	
	02/26/08	8.64	322.05	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.59	
	05/21/08	10.05	320.64	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.56	
	08/13/08	10.17	320.52	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.51	
	11/13/08	10.15	320.54	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.53	
	02/06/09	10.18	320.51	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.55	
	05/28/09	9.80	320.89	--	--	--	--	--	--	--	
	08/13/09	9.89	320.80	--	--	--	--	--	--	--	
	11/24/09	9.85	320.84	--	--	--	--	--	--	--	
	02/11/10	9.24	321.45	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.81	
	06/04/10	9.35	321.34	--	--	--	--	--	--	--	
08/12/10	9.37	321.32	--	--	--	--	--	--	--		
11/30/10	9.80	320.89	--	--	--	--	--	--	--		
02/21/11	8.69	322.00	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.85		
05/17/11	9.23	321.46	--	--	--	--	--	--	--		
08/03/11	9.42	321.27	--	--	--	--	--	--	--		

Deep (C-Zone) Wells

MW-6C <i>330.88</i>	06/01/06	8.21	322.67	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.29	TAME, TBA, DIPE, ETBE=ND
	07/07/06	8.41	322.47	--	--	--	--	--	--	--	

Table 2. Groundwater Elevation and Analytical Data - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Well ID <i>TOC Elev</i> <i>(ft)</i>	Date Sampled	Depth to Water <i>(ft)</i>	Groundwater Elevation <i>(ft, msl)</i>	TPHg ←	Benzene	Toluene	Ethylbenzene μg/L	Xylenes	MTBE	Dissolved Oxygen mg/L	Notes
<i>MW-6C (cont'd)</i>	08/17/06	8.56	322.32	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.21	
	11/24/06	9.12	321.76	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.28	
	02/21/07	8.62	322.26	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.21	
MW-7C <i>330.74</i>	05/31/06	8.65	322.09	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.12	TAME, TBA, DIPE, ETBE=ND
	07/07/06	8.70	322.04	--	--	--	--	--	--	--	
	08/17/06	8.52	322.22	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.17	
	11/24/06	9.42	321.32	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.19	
	02/21/07	9.01	321.73	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.31	
MW-9C <i>331.48</i>	05/29/06	16.59	314.89	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.28	TAME, TBA, DIPE, ETBE=ND
	07/07/06	8.85	322.63	--	--	--	--	--	--	--	
	08/17/06	9.20	322.28	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.21	
	11/24/06	9.61	321.87	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.33	
	02/21/07	8.94	322.54	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.46	
MW-10C <i>329.66</i>	05/29/06	7.28	322.38	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.16	TAME, TBA, DIPE, ETBE=ND
	07/07/06	7.28	322.38	--	--	--	--	--	--	--	
	08/17/06	7.29	322.37	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.22	
	11/24/06	10.75	318.91	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.33	
	02/21/07	7.69	321.97	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.39	
MW-11C <i>331.61</i>	05/31/06	9.90	321.71	<50	<0.5	<0.5	<0.5	<0.5	11 (11)	0.29	TAME, TBA, DIPE, ETBE=ND
	07/07/06	10.02	321.59	--	--	--	--	--	--	--	
	08/17/06	9.60	322.01	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.22	
	11/24/06	10.60	321.01	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.28	
	02/21/07	10.30	321.31	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.43	

Destroyed Wells

MW-3 <i>332.86</i>	10/04/94	12.06	320.67	6,300	610	750	68	670	--	
	11/30/94	11.38	321.35	17	3,600	490	430	610	--	
	03/02/95	11.97	320.76	8,500	2,200	<50	240	<50	64,000	
	06/07/95	11.54	321.19	3,000	710	18	220	44	3,100	
	09/26/95	12.36	320.37	<10,000	230	<100	130	<100	64,000	
	12/28/95	12.07	320.66	<12,500	760	<125	<125	<125	100,000	
	02/29/96	11.01	321.72	1,600	380	<10	84	17	33,000	
	06/27/96	11.93	320.8	1,400	<2.5	4.3	130	4	96,000	
	09/12/96	12.26	320.6	<10,000	560	<100	110	<100	100,000	
	03/31/97	12.04	320.82	<25,000	1,200	370	<250	380	130,000	
	12/23/98	12.92	319.94	--	--	--	--	--	--	0.1' SPH; 0.079 gal SPH removed
	03/25/99	12.56	320.3	--	--	--	--	--	--	0.05' SPH; 0.05 gal SPH removed
	02/03/00	11.12	321.74	92,100	4,780	11,400	2,270	15,800	137,000 (162,000)	
	1/23/2001	11.78	321.08	60,600	4,810	7,500	1,870	11,000	148,000	Absorbent sock in well
	5/1/2001	10.66	322.2	56,000	3,760	5,640	<2,500	8,740	136,000	Absorbent sock in well
	8/28/2001	11.79	321.07	32,000	3,800	2,600	1,200	7,500	160,000	Absorbent sock in well
	11/27/2001	11.98	320.88	110,000	1,300	2,400	1,500	9,400	90,000	Absorbent sock removed
	02/28/02	11.81	321.05	24,000	1,900	820	520	3,100	90,000	
	05/22/02	11.6	321.26	110,000	4,000	3,200	2,800	18,000	140,000	
	08/20/02	11.81	321.05	37,000	2,600	1,500	890	4,800	110,000	
11/11/02	11.63	321.23	81,000	2,900	2,100	2,100	14,000	110,000		
05/08/03	10.91	321.95	5,700	770	69	130	365	76,000 (70,000)		
12/15/04	11.97	320.89	33,000	1,700	430	1,300	7,000	70,000 (89,000)		
02/21/05	10.81	322.06	--	--	--	--	--	--	1.29	0.01 SPH
05/17/05	11.63	321.29	--	--	--	--	--	--	1.06	0.08 SPH
08/17/05	10.83	322.03	39,000	1,500	260	780	2,700	42,000 (47,000)	0.93	
11/27/05	12.29	320.72	--	--	--	--	--	--	--	0.19 SPH
02/21/06	11.73	321.28	--	--	--	--	--	--	--	0.19 SPH
03/30/06	--	--	--	--	Well Destroyed			--	--	Well Destroyed
EA-1 <i>331.21</i>	10/17/88	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
	10/24/88	10.64	322.77	--	--	--	--	--	--	
	11/02/88	10.69	322.72	--	--	--	--	--	--	
	12/20/88	10.51	322.9	<50	<0.5	<0.5	<0.5	<0.5	--	
	03/28/89	9.87	323.54	<250	<0.5	<0.5	<0.5	<0.5	--	
	08/02/89	10.34	323.07	<50	<0.1	<0.1	<0.1	<0.1	--	
	11/06/89	10.65	322.76	<500	<3.0	<5.0	<5.0	<5.0	--	
	01/25/90	10.6	322.81	<50	<0.5	<0.5	<0.5	<0.5	--	
	04/23/90	10.58	322.83	71	2	5	3	8	--	
	08/01/90	10.88	322.53	300	86	21	10	33	--	
	10/24/91	11.12	322.29	280	69	13	11	16	--	
	01/31/91	11.16	322.25	460	160	11	17	17	--	
	08/21/91	10.8	322.61	2,400	400	220	44	120	--	
	08/21/91	10.8	322.61	2,300	390	210	42	120	--	Duplicate
10/07/91	10.79	322.62	--	--	--	--	--	--		
01/28/92	10.79	322.62	3,600	320	360	110	310	--		

Table 2. Groundwater Elevation and Analytical Data - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Well ID <i>TOC Elev</i> <i>(ft)</i>	Date Sampled	Depth to Water <i>(ft)</i>	Groundwater Elevation <i>(ft, msl)</i>	TPHg ←	Benzene	Toluene	Ethylbenzene μg/L	Xylenes	MTBE	Dissolved Oxygen mg/L	Notes
<i>EA-1 (cont'd)</i>	01/28/92	10.79	322.62	3,000	290	320	99	270	--		Duplicate
	06/05/92	10.84	322.57	1,700	290	89	61	130	--		
	09/30/92	11.06	322.35	2,100	160	260	80	350	--		
	12/30/92	10.15	323.26	3,200	240	180	110	310	--		
	03/29/93	9.42	323.99	23,000	700	3,000	610	3,000	--		
	06/25/93	10.42	322.99	2.7	130	590	130	590	--		
	09/16/93	10.66	322.75	3.9	410	830	220	890	--		
	12/20/93	10.6	322.81	27	1,200	2,600	1,100	4,200	--		
	03/29/94	10.41	323	6.3	250	700	200	830	--		
	06/22/94	10.4	323.01	4.1	71	240	110	460	<30		
	09/20/94	10.37	323.04	8,500	1,200	1,300	370	1,400	--		
	10/04/94	10.34	323.07	7,600	97	360	150	620	--		
	11/30/94	9.46	323.95	8,800	180	490	240	900	--		
	03/02/95	9.96	321.07	6.9	82	570	210	970	--		
	06/15/95	9.8	321.23	4.8	44	210	160	620	<25		
	09/26/95	10.48	320.55	13,000	150	620	370	1,400	<125		
	12/28/95	10.14	320.89	11,000	74	250	200	750	79		
	02/29/96	8.74	322.29	17,000	59	480	350	1,600	<125		
	06/27/96	10.21	320.82	3,600	22	130	130	49	46		
	09/12/96	10.49	320.72	2,000	20	<10	18	44	<50		
	03/31/97	10.19	321.02	17,000	87	230	330	1,200	310		
	12/23/98	9.83	321.38	290	20	0.88	1.1	16	<2.5		
	03/25/99	9.13	322.08	500	21	<0.5	21	<0.5	18		
	02/03/00	9.05	322.16	2,310	35.7	90	21.8	147	1,280 (365)		
	01/23/01	--	--	--	--	--	--	--	--		Inaccessible
	05/01/01	9.82	321.39	7,710	19.9	12.6	22.3	64	31.8		
	08/28/01	10.04	321.17	4,800	69	<25	50	140	160		
	11/27/01	10.05	321.16	5,300	25	<5.0	30	120	<20		
	02/28/02	--	--	--	--	--	--	--	--		Inaccessible
	05/22/02	9.05	322.16	110	<1.0	<0.50	1	<1.5	<2.5		
	08/20/02	9.21	322	410	2.6	<0.50	8.5	29	<5.0		
	11/11/02	9.01	322.2	3,800	<0.50	1.3	17	47	<5.0		
	05/08/03	8.23	322.98	1,700	11	0.97	63	161	<2.0		
12/15/04	--	--	--	--	--	--	--	--		Inaccessible	
02/21/05	--	--	--	--	--	--	--	--		Inaccessible	
05/17/05	--	--	--	--	--	--	--	--		Inaccessible	
08/17/05	--	--	--	--	--	--	--	--		Inaccessible	
11/27/05	--	--	--	--	--	--	--	--		Inaccessible	
02/21/06	--	--	--	--	--	--	--	--		Inaccessible	
03/31/06	--	--	--	Well Destroyed				--	--	Well Destroyed	
EA-2 <i>330.41</i>	10/17/88	--	--	<50	<0.5	<0.5	<0.5	1.2	--		
	10/24/88	9.7	322.89	--	--	--	--	--	--		
	11/02/88	10.03	322.56	--	--	--	--	--	--		
	12/20/88	9.98	322.61	<50	<0.5	<0.5	<0.5	<0.5	--		
	03/28/89	8.8	323.79	<250	<2	<0.5	<0.5	<0.5	--		
	08/02/89	9.44	323.15	<50	<0.1	<0.1	<0.1	<0.1	--		
	11/06/89	9.53	323.06	<500	<3.0	<5.0	<5.0	<5.0	--		
	01/25/90	9.27	323.32	<50	<0.5	<0.5	<0.5	<0.5	--		
	04/23/90	9.35	323.24	<50	0.6	0.8	<0.5	2	--		
	08/01/90	9.71	322.88	<50	<0.5	<0.5	<0.5	<0.5	--		
	10/24/90	10.08	322.51	<50	<0.5	<0.5	<0.5	<0.5	--		
	01/31/91	10.21	322.38	<50	<0.5	<0.5	<0.5	<0.5	--		
	01/31/91	10.21	322.38	<50	<0.5	<0.5	<0.5	<0.5	--		Duplicate
	08/21/91	9.8	322.79	<50	<0.5	<0.5	<0.5	<0.5	--		
	10/07/91	9.98	322.61	--	--	--	--	--	--		
	01/28/92	9.81	322.78	<50	0.8	<0.5	<0.5	<0.5	--		
	06/05/92	9.86	322.73	<50	<0.5	<0.5	<0.5	<0.5	--		
	09/30/92	10.6	321.99	66	1	3.2	1.3	7.4	--		
	12/30/92	9.11	323.48	<50	<0.5	<0.5	<0.5	<0.5	--		
	03/29/93	7.73	324.86	<50	<0.5	<0.5	<0.5	<1.5	--		
	06/25/93	9.22	323.37	<50	<0.5	<0.5	<0.5	<1.5	--		
	09/16/93	10	322.59	<50	<0.5	<0.5	<0.5	<1.5	--		
	12/20/93	9.38	323.21	<50	<0.5	<0.5	<0.5	<0.5	--		
	03/29/94	9.3	323.29	<50	<0.5	0.6	<0.5	<0.5	--		
	06/22/94	9.49	323.1	<50	<0.5	<0.5	<0.5	<0.5	--		
	09/26/94	9.72	322.87	<50	<0.5	<0.5	<0.5	<0.5	--		
	10/04/94	9.58	323.01	<50	<0.5	<0.5	<0.5	<0.5	--		
11/30/94	8.7	323.89	<50	<0.5	<0.5	<0.5	<0.5	--			
03/02/95	8.54	321.67	<50	<0.5	<0.5	<0.5	<0.5	--			
06/07/95	8.42	321.79	<50	<0.5	<0.5	<0.5	<0.5	<2.5			
09/26/95	9.34	320.87	540	6.8	<0.5	47	29	13			
12/28/95	8.84	321.37	<50	<0.5	<0.5	<0.5	<0.5	<2.5			
02/29/96	7.44	322.77	<50	<0.5	<0.5	<0.5	1.5	<2.5			
06/27/96	8.83	321.38	<50	<0.5	<0.5	<0.5	<0.5	<2.5			
09/12/96	9.4	321.01	<50	<0.5	<0.5	<0.5	<0.5	<2.5			
03/31/97	9.11	321.3	<50	<0.5	<0.5	<0.5	<0.5	<2.5			

Table 2. Groundwater Elevation and Analytical Data - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Well ID <i>TOC Elev</i> <i>(ft)</i>	Date Sampled	Depth to Water <i>(ft)</i>	Groundwater Elevation <i>(ft, msl)</i>	TPHg ←	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Dissolved Oxygen <i>mg/L</i>	Notes	
												μg/L
<i>EA-2 (cont'd)</i>	12/23/98	8.91	321.5	<50	<0.5	<0.5	<0.5	<0.5	<2.5			
	03/25/99	8.1	322.31	<50	<0.5	<0.5	<0.5	<0.5	2.7			
	02/03/00	8.36	322.05	<50	<0.5	<0.5	<0.5	<0.5	<2.5 (<2.0)			
	01/23/01	9.08	321.33	441 (1)	1.27	0.542	40.3	31	72.9			
	05/01/01	8.87	321.54			SAMPLED ANNUALLY						
	08/28/01	9.45	320.96			SAMPLED ANNUALLY						
	11/27/01	9.5	320.91			SAMPLED ANNUALLY						
	02/28/02	9.05	321.36	<50	<0.50	<0.50	<0.5	<1.5	74			
	05/22/02	9.04	321.37			SAMPLED ANNUALLY						
	08/20/02	9	321.41			SAMPLED ANNUALLY						
	11/11/02	9.03	321.38			SAMPLED ANNUALLY						
	05/08/03	7.26	323.15	<50	<0.5	<0.5	<0.5	<0.5	2.2/0.9			
	12/15/04	8.96	321.45	<50	<0.5	<0.5	<0.5	<0.5	<5.0			
	02/21/05	7.20	323.21	<50	<0.5	<0.5	<0.5	<0.5	13 (11)	0.64		
	05/17/05	8.21	322.20			SAMPLED ANNUALLY					0.77	
	08/17/05	7.97	322.44			SAMPLED ANNUALLY					0.85	
	11/27/05	9.83	320.58			SAMPLED ANNUALLY					0.84	
	02/21/06	8.78	321.63	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.51/0.68		
	03/28/06	--	--	--	--	Well Destroyed			--	--	--	Well Destroyed
	EA-3 <i>331.5</i>	10/17/88	--	--	<50	1.8	<0.5	<0.5	3	--		
10/24/88		11.03	322.61	--	--	--	--	--	--			
11/02/88		11.03	322.61	--	--	--	--	--	--			
12/20/88		10.96	322.68	240	90	1.2	13	3.3	--			
03/28/89		9.77	323.87	2,300	380	130	240	910	--			
08/02/89		10.65	322.99	<50	<0.1	<0.1	<0.1	<0.1	--			
11/06/89		10.78	322.86	<500	<3.0	<5.0	<5.0	<5.0	--			
01/25/90		10.66	322.98	<50	<0.5	<0.5	<0.5	<0.5	--			
04/23/90		10.68	322.96	<50	0.8	<0.5	0.9	<0.5	--			
08/01/90		11.03	322.61	<50	<0.5	<0.5	<0.5	<0.5	--			
10/24/90		11.35	322.29	<50	<0.5	<0.5	<0.5	<0.5	--			
01/31/91		11.52	322.12	<50	<0.5	<0.5	<0.5	<0.5	--			
08/21/91		--	--	--	--	--	--	--	--			
10/07/91		11.15	322.49	180	40	20	4.7	8.4	--			
10/7/1991		--	--	200	43	17	4.1	6.7	--		Duplicate	
01/28/92		11.08	322.56	640	69	85	13	46	--			
06/05/92		10.98	322.66	250	63	8.3	3	9.5	--			
09/30/92		11.38	322.26	330	120	33	6.3	22	--			
12/30/92		10.48	323.16	58	7.6	1.3	2.5	5.4	--			
03/29/93		9.3	324.34	120	11	4.5	6.2	13	--			
06/25/93		10.46	323.18	<50	<0.5	<0.5	<0.5	<1.5	--			
09/16/93		10.9	322.74	85	3.9	8.8	4.5	22	--			
12/20/93		10.66	322.98	190	12	12	13	50	--			
03/29/94		10.5	323.14	<50	<0.5	1.2	<0.5	0.9	--			
06/22/94		10.64	323	<50	<0.5	<0.5	<0.5	<0.5	<3.0			
09/26/94		10.72	322.92	<50	<0.5	<0.5	<0.5	<0.5	--			
10/04/94		10.68	322.96	<50	<0.5	<0.5	<0.5	0.7	--			
11/30/94		9.66	323.98	170	6.1	3	6.5	28	--			
03/02/95		9.92	321.38	<50	<0.5	<0.5	<0.5	<0.5	--			
06/07/95		9.72	321.58	<50	<0.5	<0.5	<0.5	<0.5	3.2			
09/26/95		10.6	320.7	2,000	140	<5.0	<5.0	190	280			
12/28/95		9.82	321.48	<50	<0.5	<0.5	<0.5	<0.5	26			
02/29/96		8.28	323.02	<50	2.1	<0.5	2.5	6	31			
06/27/96		9.91	321.39	<50	<0.5	<0.5	<0.5	<0.5	<2.5			
09/12/96		10.59	320.91	13,000	<20	<20	<20	<20	48			
03/31/97		--	--	--	--	--	--	--	--		Inaccessible	
04/15/97		10.25	321.25	<125	2	<1.2	<1.2	<1.2	680			
12/23/98		--	--	--	--	--	--	--	--		Inaccessible	
03/25/99		--	--	--	--	--	--	--	--		Inaccessible	
02/03/00		--	--	--	--	--	--	--	--		Inaccessible	
01/23/01	10.31	321.19	862 (1)	3.97	1.15	18.9	48.6	289				
05/01/01	10.15	321.35			SAMPLED SEMI-ANNUALLY							
08/28/01	10.56	320.94	<50	<0.5	<0.5	<0.5	<0.5	37				
11/27/01	10.65	320.85			SAMPLED SEMI-ANNUALLY							
02/28/02	10.37	321.13	<50	1.3	<0.50	2	1.8	90				
05/22/02	10.27	321.23			SAMPLED SEMI-ANNUALLY							
08/20/02	10.3	321.2	<50	<0.50	<0.50	<0.50	<1.5	40				
11/11/02	9.05	322.45			SAMPLED SEMI-ANNUALLY							
05/08/03	8.83	322.67	<50	<0.5	<0.5	<0.5	<0.5	39/37				
12/15/04	10.39	321.11	<50	<0.5	<0.5	<0.5	<0.5	18 (17)				
02/21/05	8.80	322.70	<50	<0.5	<0.5	2.3	1.4	180 (290)	0.69			
05/17/05	9.57	321.93	140	0.68	<0.5	6.6	0.94	250 (340)	0.86			
08/17/05	9.23	322.27	3,800	11	3.7	110	24	200 (200)	0.99			
11/27/05	11.05	320.45	150	<0.5	1.8	2.4	0.56	88 (85)	0.81			
02/21/06	10.10	321.40	83	<0.5	0.72	1.7	<0.5	40 (49)	0.38/0.65			
04/03/06	--	--	--	--	Well Destroyed			--	--	--	Well Destroyed	

Pangea

Table 2. Groundwater Elevation and Analytical Data - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Well ID	Date	Depth	Groundwater							Dissolved	Notes
TOC Elev	Sampled	to Water	Elevation	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Oxygen	
(ft)		(ft)	(ft, msl)	←————— μg/L —————→						mg/L	
SB-1A-W	05/18/06	11.20	NA	170	1.5	1.5	1.2	5.9	570 (500)	--	TAME=90μg/L, TBA,DIPE,ETBE=ND
DPB-1	05/01/03	16-20	NA	12,000	25	440	440	2,180	8,100	--	
DPB-2	04/22/03	NA	NA	710	1.1	<1	18	74	540	--	
DPB-3	04/17/03	16-20	NA	48,000	400	5,800	1,500	9,500	8,900	--	
DPB-3	04/17/03	27-31	NA	62,000	700	9,900	1,300	7,900	4,200	--	
	04/17/03	39-43	NA	27,000	210	3,200	640	4,100	7,700	--	
DPB-4	04/17/03	32-36	NA	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	
DPB-5	04/30/03	7-11	NA	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	
	04/17/03	11-15	NA	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	
	04/30/03	26-30	NA	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	
	04/17/03	36-40	NA	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	
DPB-6	04/18/03	15-19	NA	7,700	18	77	170	640	5.9	--	
	04/18/03	26-30	NA	4,700	21	76	160	650	6.2	--	
	04/18/03	35-39	NA	2,900	8.8	24	54	249	100	--	
DPB-7	04/18/03	15-19	NA	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	
	04/18/03	20-24	NA	7,000	42	640	190	990	300	--	
	04/18/03	35-39	NA	150	<0.5	1.8	0.8	5.7	<0.5	--	
DPB-8	05/01/03	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	
DPB-S	04/18/03	14-18	NA	20,000	<170	<170	380	6,600	53,000	--	
	04/18/03	26-30	NA	1,500	7.1	<3.1	7.4	170	760	--	
	04/18/03	35-39	NA	4,300	<63	<63	<63	910	42,000	--	

ABBREVIATIONS AND NOTES:

SPH = Separate-phase hydrocarbons; calculated groundwater elevation corrected for SPH by the relation: Groundwater Elevation = Well Elevation - Depth to Water +(0.8xSPH Thickness)

Groundwater monitoring data and laboratory analytical results prior to December 14, 2004, were scanned from a report by SOMA.

(ft) = Feet

(msl) = Mean sea level

TOC Elev. (ft) = Top of casing elevation

μg/L = Micrograms per liter - approximately equal to parts per billion = ppb

mg/L = Milligrams per liter - approximately equal to parts per million = ppm

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015C

BTEX = Benzene, toluene, ethylbenzene, and xylenes by EPA Method 8020/8021.

MTBE = Methyl tertiary butyl ether by EPA Method 8020/8021. (Concentrations in parentheses are by EPA Method 8260B).

1,2-DCA = 1,2-Dichloroethane

TAME = Tertiary amyl methyl ether by EPA Method 8260B

TBA = Tertiary butyl alcohol by EPA Method 8260B

DIPE = Diisopropyl ether by EPA Method 8260B

ETBE = Ethyl tertiary butyl ether by EPA Method 8260B

-- = Not Measured/Not Analyzed

1 Laboratory report indicates weathered gasoline C6-C12

Dissolved oxygen concentrations measured downhole pre-purge or pre-purge/post-purge

* = Cap loose, sprinkler runoff entering well

APPENDIX A

Groundwater Monitoring Program

Table A. Semi-Annual Groundwater Monitoring Program - 7240 Dublin Boulevard, Dublin, CA

Well ID	Well Type	Screened Interval (ft bgs)	Well Location for Monitoring	Casing Diam. (in)	Gauge Frequency	Sample Frequency ^{1, 2}
Surface Water						
C-1*	Gauging Point	--	W, Flood Control Channel	--	1st, 3rd	---
Upper Shallow AA-Zone Wells						
DPE-1	DPE	9-14	W Intermediate	4	1st, 3rd	1st, 3rd
DPE-2	DPE	9-14	W Intermediate	4	1st, 3rd	1st, 3rd
MW-7AA	Mon (Proposed DPE)	9-14	Source	4	1st, 3rd	1st, 3rd
VW-1	Mon+SVE (Proposed DPE)	3-9	Source	2	1st, 3rd	1st
VW-2	Mon+SVE (Proposed DPE)	3-9	Source	2	1st, 3rd	1st
VW-3	Mon+SVE (Proposed DPE)	3-9	Source	2	1st, 3rd	1st
Shallow A-Zone Wells						
MW-1	Mon	5-25	W, Adjacent SS	2	1st, 3rd	1st, 3rd
MW-2	Mon	5-20	W, Adjacent Flood Channel	2	1st, 3rd	1st, 3rd
MW-3A	Mon (Proposed DPE)	10-17	N Source, Adjacent SS	4	1st, 3rd	1st, 3rd
MW-4	Mon	8.5-20	NW Upgradient, Offsite	2	1st, 3rd	1st
MW-5	Mon	8.5-21	W Upgradient, Offsite	2	1st, 3rd	1st
MW-6A	Mon (Proposed DPE)	15-20	N Source, Adjacent SS	4	1st, 3rd	1st, 3rd
MW-7A	Mon (Proposed DPE)	16-20	Source	4	1st, 3rd	1st
MW-8A	Mon	15-20	S, Adjacent Building	2	1st, 3rd	1st, 3rd
MW-9A	Mon	15-20	NE Perimeter	2	1st, 3rd	1st
MW-10A	Mon	15-20	S Perimeter	2	1st, 3rd	1st
Intermediate Depth B-Zone Wells						
MW-6B	Mon	26-30	N Source, Adjacent SS	2	1st, 3rd	1st
DW-7B	Mon	26-30	Source	2	1st, 3rd	1st
Deep C-Zone Wells						
MW-6C	Mon	34-44	N Source, Adjacent SS	2	---	---
MW-7C	Mon	35-45	Source	2	---	---
MW-9C	Mon	35-45	NE Perimeter	2	---	---
MW-10C	Mon	35-45	S Perimeter	2	---	---
MW-11C	Mon	33.5-43.5	W Intermediate	2	---	---

Notes and Abbreviations:

1 = Summary: 6 wells sampled 3rd quarter, 16 wells sampled 1st quarter. 5 C-zone wells not sampled.

2 = Sample Analytes: Total Petroleum Hydrocarbons as Gasoline (TPHg), benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method 8015Cm/8021B.

1st = 1st quarter, typically February

3rd = 3rd quarter, typically August

Mon = Groundwater Monitoring Only

SVE = Soil Vapor Extraction

DPE = Dual Phase Extraction

N, S, W, E = Cardinal directions North, South, West, East and other directions (e.g., Northeast = NE)

SS = Sanitary Sewer beneath Dublin Blvd

* = Surface water level gauging point, not a well.

-- = Not gauged or sampled.

APPENDIX B

Groundwater Monitoring Field Data Sheets

Well Gauging Data Sheet

Project.Task #: 1001.001				Project Name: Hadjian-Dublin			
Address: 7240 Dublin Blvd, Dublin						Date: 8-3-11	
Name: Steve Hunter				Signature: <i>[Signature]</i>			
Well ID	Well Size (in.)	Time	Depth to Immiscible Liquid (ft)	Thickness of Immiscible Liquid (ft)	Depth to Water (ft)	Total Depth (ft)	Measuring Point
MW-1	2"	0835			12.88	25.22	TOC
MW-2	2"	0843			8.82	20.07	
MW-3A	4"	0847			10.68	16.92	
MW-4	2"	0830			10.49	19.72	
MW-5	2"	0811			10.66	20.68	
MW-6A	2"	0837			10.92	19.45	
MW-6B	2"	0851			9.16	29.84	
MW-7A	4"	0930			9.71 ^{5H} 9.55	13.93 ^{5H} 19.88	
MW-7A	4"	0936			9.58	19.62	
MW-7B	2"	0943			9.42	28.32	
MW-8A	2"	0947			9.14	19.13	

Comments: All wells opened 45 mins prior to gauging.

Well Gauging Data Sheet

Project Task #: 1001.001				Project Name: Hadjian-Dublin			
Address: 7240 Dublin Blvd, Dublin						Date: 8-3-11	
Name: Steve Hunter				Signature: <i>Steve Hunter</i>			
Well ID	Well Size (in.)	Time	Depth to Immiscible Liquid (ft)	Thickness of Immiscible Liquid (ft)	Depth to Water (ft)	Total Depth (ft)	Measuring Point
MW-9A	2"	0823			10.38	19.72	TOC
MW-10A	2"	0817			10.39	19.62	
VW-1	2"	0803			7.08	8.38	
VW-2	2"	0754			7.01	8.32	
VW-3	2"	0758			7.36	8.39	
DPE-1	4"	0751			10.28	13.83	
DPE-2	4"	0748			10.62	13.83	
C-1	-	0811			12.10	-	

Comments:

MONITORING FIELD DATA SHEET

Well ID: *MW-3A*

Project.Task #: 1001.001.228				Project Name: Dublin Auto Wash				
Address: 7240 Dublin Blvd., Dublin								
Date: <i>8-3-11</i>				Weather: <i>Clear</i>				
Well Diameter: <i>4"</i>				Volume/ft.	1" = 0.04	3" = 0.37	6" = 1.47	
				2" = 0.16	4" = 0.65	radius ² * 0.163		
Total Depth (TD): <i>16.92</i>				Depth to Product: <i>-</i>				
Depth to Water (DTW): <i>10.68</i>				Product Thickness: <i>8</i>				
Water Column Height: <i>6.24</i>				1 Casing Volume: <i>4</i>		gallons		
Reference Point: N side TOC				3 Casing Volumes: <i>12</i>		gallons		
Purging Device: Disposable Bailer								
Sampling Device: Disposable Bailer								
Time	Temp ©	pH	Cond (µs)	NTU	DO(mg/L)	ORP (mV)	Vol(gal)	DTW
<i>1141</i>					<i>Pre: 0.56</i>		<i>8</i>	
<i>1147</i>	<i>18.9</i>	<i>7.02</i>	<i>1924</i>			<i>-124</i>	<i>4</i>	
<i>1153</i>	<i>18.6</i>	<i>6.93</i>	<i>1917</i>			<i>-127</i>	<i>8</i>	
<i>(Deaerated at 8.5 gallons)</i>								

Comments: *NO SPH.*

Sample ID: <i>MW-3A</i>		Sample Time: <i>1240</i>	
Laboratory: McCampbell		Sample Date: 2/22/2006 <i>8-3-11</i>	
Containers/Preservative: 3 HCL VOAs			
Analyzed for: TPHg/BTEX/MTBE			
Sampler Name: Steve Hunter		Signature: <i>Steve Hunter</i>	

MONITORING FIELD DATA SHEET

Well ID: *MW-6A*

Project.Task #: 1001.001.206		Project Name: Dublin Auto Wash							
Address: 7240 Dublin Blvd., Dublin									
Date: <i>8-3-11</i>		Weather: <i>Clear</i>							
Well Diameter: 4 <i>2"</i>		Volume/ft. <table border="1" style="font-size: small;"> <tr> <td>1" = 0.04</td> <td>3" = 0.37</td> <td>6" = 1.47</td> </tr> <tr> <td>2" = 0.16</td> <td>4" = 0.65</td> <td>radius** 0.163</td> </tr> </table>		1" = 0.04	3" = 0.37	6" = 1.47	2" = 0.16	4" = 0.65	radius** 0.163
1" = 0.04	3" = 0.37	6" = 1.47							
2" = 0.16	4" = 0.65	radius** 0.163							
Total Depth (TD): <i>1945</i>		Depth to Product: <i>-</i>							
Depth to Water (DTW): <i>10.92</i>		Product Thickness: <i>-</i>							
Water Column Height: <i>8.53</i>		1 Casing Volume: <i>1.5</i> gallons							
Reference Point: N side TOC		<u>3</u> Casing Volumes: <i>4.5</i> gallons							

Purging Device: Disposable Bailer

Sampling Device: Disposable Bailer

Time	Temp ©	pH	Cond (µs)	NTU	DO(mg/L)	ORP (mV)	Vol(gal)	DTW
<i>1217</i>					Pre: <i>047</i>	<i>8</i>	<i>4</i>	
<i>1223</i>	<i>19.4</i>	<i>7.10</i>	<i>1801</i>			<i>-138</i>	<i>1.5</i>	
<i>1229</i>	<i>19.3</i>	<i>7.03</i>	<i>1796</i>			<i>-127</i>	<i>3</i>	
<i>1234</i>	<i>19.9</i>	<i>7.01</i>	<i>1792</i>			<i>-125</i>	<i>4.5</i>	

Comments:

Sample ID: <i>MW-6A</i>	Sample Time: <i>1315</i>
Laboratory: McCampbell	Sample Date: <i>8-3-11</i>
Containers/Preservative: 3 HCL VOAs	
Analyzed for: TPHg/BTEX/MTBE (8015B/8021)	
Sampler Name: <i>Steve Hunter</i>	Signature: <i>[Signature]</i>

MONITORING FIELD DATA SHEET

Well ID: MW-7AA

Project.Task #: 1001.001.228				Project Name: Dublin Auto Wash				
Address: 7240 Dublin Blvd., Dublin								
Date: 8-3-11				Weather: Clear				
Well Diameter: 4"				Volume/ft.	1" = 0.04	3" = 0.37	6" = 1.47	radius ² * 0.163
				2" = 0.16	4" = 0.65			
Total Depth (TD): 13.93				Depth to Product:				
Depth to Water (DTW): 9.71				Product Thickness:				
Water Column Height: 4.22				1 Casing Volume: 3		gallons		
Reference Point: N side TOC				3 Casing Volumes: 9		gallons		
Purging Device: Disposable Bailer								
Sampling Device: Disposable Bailer								
Time	Temp @	pH	Cond (µs)	NTU	DO(mg/L)	ORP (mV)	Vol(gal)	DTW
0943					Pre: 0.83		0	
0949	12.6	6.83	1872			-109	3	
0953	12.8	6.79	1823			-98	5	
(Discontinued at 5 gallons)								

Comments:

Sample ID: MW-7AA		Sample Time: 1040	
Laboratory: McCampbell		Sample Date: 2/22/2006 8-3-11	
Containers/Preservative: 3 HCL VOAs			
Analyzed for: TPHg/BTEX/MTBE			
Sampler Name: Steve Hunter		Signature: <i>[Signature]</i>	

MONITORING FIELD DATA SHEET

Well ID: DPE-1

Project.Task #: 1001.001.228				Project Name: Dublin Auto Wash				
Address: 7240 Dublin Blvd., Dublin								
Date: <u>8-3-11</u>				Weather: <u>Clear</u>				
Well Diameter: <u>4"</u>				Volume/ft.	1" = 0.04	3" = 0.37	6" = 1.47	
				2" = 0.16	4" = 0.65	radius ² * 0.163		
Total Depth (TD): <u>13.83</u>				Depth to Product:				
Depth to Water (DTW): <u>10.28</u>				Product Thickness:				
Water Column Height: <u>3.55</u>				1 Casing Volume: <u>2.31</u>		gallons		
Reference Point: N side TOC				3 Casing Volumes: <u>7</u>		gallons		
Purging Device: Disposable Bailer								
Sampling Device: Disposable Bailer								
Time	Temp (°C)	pH	Cond (µs)	NTU	DO(mg/L)	ORP (mV)	Vol(gal)	DTW
<u>1015</u>					<u>Pre 0.73</u>		<u>0</u>	
<u>1022</u>	<u>19.3</u>	<u>7.12</u>	<u>1362</u>			<u>-97</u>	<u>3</u>	
<u>(Well dewatered at 3 gallons)</u>								

Comments:

Sample ID: <u>DPE-1</u>		Sample Time: <u>11:30</u>	
Laboratory: McCampbell		Sample Date: 2/22/2006 <u>8-3-11</u>	
Containers/Preservative: 3 HCL VOAs			
Analyzed for: TPHg/BTEX/MTBE			
Sampler Name: Steve Hunter		Signature: <u>Steve Hunter</u>	

MONITORING FIELD DATA SHEET

Well ID: *DPE-2*

Project.Task #: 1001.001.206				Project Name: Dublin Auto Wash				
Address: 7240 Dublin Blvd., Dublin								
Date: <i>8-3-11</i>				Weather: <i>Clear</i>				
Well Diameter: <i>4"</i>				Volume/ft.	1" = 0.04	3" = 0.37	6" = 1.47	
				2" = 0.16	4" = 0.65	radius ² * 0.163		
Total Depth (TD): <i>13.85</i>				Depth to Product:				
Depth to Water (DTW): <i>10.62</i>				Product Thickness:				
Water Column Height: <i>3.23</i>				1 Casing Volume: <i>2</i>		gallons		
Reference Point: N side TOC				3 Casing Volumes: <i>6</i>		gallons		
Purging Device: Disposable Bailer								
Sampling Device: Disposable Bailer								
Time	Temp @	pH	Cond (µs)	NTU	DO(mg/L)	ORP (mV)	Vol(gal)	DTW
<i>1058</i>					<i>Pre 0.62</i>		<i>0</i>	
<i>1103</i>	<i>18.1</i>	<i>6.89</i>	<i>2752</i>			<i>-81</i>	<i>2</i>	
<i>1109</i>	<i>17.8</i>	<i>6.72</i>	<i>2736</i>			<i>-77</i>	<i>4</i>	
<i>(well dewatered at 4.5 gallons)</i>								

Comments:

Sample ID: <i>DPE-2</i>		Sample Time: <i>1205</i>	
Laboratory: McCampbell		Sample Date: <i>8-3-11</i>	
Containers/Preservative: 3 HCL VOAs			
Analyzed for: TPHg/BTEX/MTBE (8015B/8021)			
Sampler Name: <i>Steve Hunter</i>		Signature: <i>Steve Hunter</i>	

APPENDIX C

Laboratory Analytical Results



Analytical Report

Pangea Environmental Svcs., Inc. 1710 Franklin Street, Ste. 200 Oakland, CA 94612	Client Project ID: #1001.001; 7240 Dublin Blvd	Date Sampled: 08/03/11
		Date Received: 08/04/11
	Client Contact: Tina De La Fuente	Date Reported: 08/09/11
	Client P.O.:	Date Completed: 08/05/11

WorkOrder: 1108133

August 09, 2011

Dear Tina:

Enclosed within are:

- 1) The results of the **5** analyzed samples from your project: **#1001.001; 7240 Dublin Blvd,**
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McC Campbell Analytical, Inc.

The analytical results relate only to the items tested.

1108133

McCAMPBELL ANALYTICAL, INC.

1534 Willow Pass Road
Pittsburg, CA 94565

Website: www.mccampbell.com Email: main@mccampbell.com

Telephone: (925) 252-9262

Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME

RUSH 24 HR 48 HR 72 HR 5 DAY

EDF Required? Coeff (Normal) No Write On (DW) No

Report To: Tiná de la Fuente Bill To: Pangea
Company: Pangea Environmental Services, Inc.
1710 Franklin Street, Suite 200, Oakland, CA 94612
E-Mail: tdelafuente@pangeaenv.com
Tele: (510) 836-3702 Fax: (510) 836-3709
Project #: 1001.001 Project Name: 7240 Dublin Blvd
Project Location: 7240 Dublin Blvd., Dublin, CA
Sampler Signature: *[Signature]*

Analysis Request													Other	Comments
														Filter Samples for Metals analysis: Yes / No

SAMPLE ID	LOCATION (Field Point Name)	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED						
		Date	Time			Water	Soil	Air	Sludge	Other	ICE	HCL	HNO ₃	Other			
NW-3A		8-3-11	1240	3	1ba	x					x	x					
NW-6A			1315			x					x	x					
NW-7AA			1040			x					x	x					
DPE-1			1130			x					x	x					
DPE-2			1205			x					x	x					

Relinquished By: *[Signature]* Date: 8/24/11 Time: 1915 Received By: *[Signature]*
Relinquished By: *[Signature]* Date: 8/24/11 Time: 1520 Received By: *[Signature]*
Relinquished By: _____ Date: _____ Time: _____ Received By: _____

ICE/t° 44 COMMENTS:
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB
VOAS O&G METALS OTHER
PRESERVATION pH<2

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
 Pittsburg, CA 94565-1701
 (925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1108133

ClientCode: PEO

WaterTrax WriteOn EDF Excel Fax Email HardCopy ThirdParty J-flag

Report to:

Tina De La Fuente
 Pangea Environmental Svcs., Inc.
 1710 Franklin Street, Ste. 200
 Oakland, CA 94612
 (510) 836-3700 FAX: (510) 836-3709

Email: tdelafuente@pangeaenv.com
 cc:
 PO:
 ProjectNo: #1001.001; 7240 Dublin Blvd

Bill to:

Bob Clark-Riddell
 Pangea Environmental Svcs., Inc.
 1710 Franklin Street, Ste. 200
 Oakland, CA 94612

Requested TAT:

5 days

Date Received: **08/04/2011**

Date Printed: **08/04/2011**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1108133-001	MW-3A	Water	8/3/2011 12:40	<input type="checkbox"/>	A	A											
1108133-002	MW-6A	Water	8/3/2011 13:15	<input type="checkbox"/>	A												
1108133-003	MW-7AA	Water	8/3/2011 10:40	<input type="checkbox"/>	A												
1108133-004	DPE-1	Water	8/3/2011 11:30	<input type="checkbox"/>	A												
1108133-005	DPE-2	Water	8/3/2011 12:05	<input type="checkbox"/>	A												

Test Legend:

1	G-MBTEX_W	2	PREFD REPORT	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Maria Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
 Hazardous samples will be returned to client or disposed of at client expense.



Sample Receipt Checklist

Client Name: **Pangea Environmental Svcs., Inc.**

Date and Time Received: **8/4/2011 3:37:26 PM**

Project Name: **#1001.001; 7240 Dublin Blvd**

Checklist completed and reviewed by: **Maria Venegas**

WorkOrder N°: **1108133** Matrix: Water

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Sample IDs noted by Client on COC? Yes No
- Date and Time of collection noted by Client on COC? Yes No
- Sampler's name noted on COC? Yes No

Sample Receipt Information

- Custody seals intact on shipping container/cooler? Yes No NA
- Shipping container/cooler in good condition? Yes No
- Samples in proper containers/bottles? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No

Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes No
- Container/Temp Blank temperature Cooler Temp: 4.4°C NA
- Water - VOA vials have zero headspace / no bubbles? Yes No No VOA vials submitted
- Sample labels checked for correct preservation? Yes No
- Metal - pH acceptable upon receipt (pH<2)? Yes No NA
- Samples Received on Ice? Yes No

(Ice Type: WET ICE)

* NOTE: If the "No" box is checked, see comments below.

Client contacted:

Date contacted:

Contacted by:

Comments:



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mcccampbell.com E-mail: main@mcccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Pangea Environmental Svcs., Inc. 1710 Franklin Street, Ste. 200 Oakland, CA 94612	Client Project ID: #1001.001; 7240 Dublin Blvd	Date Sampled: 08/03/11
	Client Contact: Tina De La Fuente	Date Received: 08/04/11
	Client P.O.:	Date Extracted: 08/05/11
		Date Analyzed: 08/05/11

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B

Analytical methods: SW8021B/8015Bm

Work Order: 1108133

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
001A	MW-3A	W	9400	1700	380	13	380	730	20	117	d1
002A	MW-6A	W	6000	ND<50	620	24	340	830	10	102	d1
003A	MW-7AA	W	980	300	130	1.4	49	53	1	99	d1,b1
004A	DPE-1	W	1400	680	54	1.7	160	42	1	104	d1
005A	DPE-2	W	840	ND<15	4.5	3.5	24	5.4	1	102	d1

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	0.5	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference. %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation:
b1) aqueous sample that contains greater than ~1 vol. % sediment
d1) weakly modified or unmodified gasoline is significant



QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 60192

WorkOrder: 1108133

EPA Method: SW8021B/8015Bm		Extraction: SW5030B							Spiked Sample ID: 1108088-014A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) £	ND	60	87.1	90.6	4.00	88.4	87.7	0.793	70 - 130	20	70 - 130	20
MTBE	ND	10	106	104	1.83	101	104	2.58	70 - 130	20	70 - 130	20
Benzene	ND	10	106	99.7	6.06	99.4	99.7	0.275	70 - 130	20	70 - 130	20
Toluene	ND	10	92	85.9	6.69	89.9	90	0.0535	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	95.5	89.9	6.05	90.5	90.5	0	70 - 130	20	70 - 130	20
Xylenes	ND	30	110	104	5.25	104	105	1.04	70 - 130	20	70 - 130	20
%SS:	107	10	105	98	6.70	99	99	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 60192 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1108133-001A	08/03/11 12:40 PM	08/05/11	08/05/11 3:06 AM	1108133-002A	08/03/11 1:15 PM	08/05/11	08/05/11 3:36 AM
1108133-003A	08/03/11 10:40 AM	08/05/11	08/05/11 4:05 AM	1108133-004A	08/03/11 11:30 AM	08/05/11	08/05/11 5:05 AM
1108133-004A	08/03/11 11:30 AM	08/05/11	08/05/11 8:32 PM	1108133-005A	08/03/11 12:05 PM	08/05/11	08/05/11 4:04 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 £ TPH(btex) = sum of BTEX areas from the FID.
 # cluttered chromatogram; sample peak coelutes with surrogate peak.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.