Shell Oil Products US

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By dehloptoxic at 9:07 am, Jan 16, 2007

January 15, 2007

Re: **Fourth Quarter 2006 Groundwater Monitoring Report**
Shell-Branded Service Station
11989 Dublin Boulevard
Dublin, California

Dear Mr. Jerry Wickham:

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

Sincerely,
Shell Oil Products US

Denis L. Brown
Sr. Environmental Engineer

20945 S. Wilmington Avenue, Carson, CA 90810 P: (559) 645-9306; F: (559) 645-5643

January 15, 2007
DELTA Project SJ11-989-1
SAP: 135243

Mr. Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: FOURTH QUARTER 2006 GROUNDWATER MONITORING REPORT
Shell-Branded Service Station
11989 Dublin Boulevard
Dublin, California

DELTA

Dear Mr. Wickham:

On behalf of Shell Oil Products (Shell), Delta Environmental Consultants, Inc. (Delta) has prepared this *Fourth Quarter 2006 Groundwater Monitoring Report* for the above referenced site.

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

If you have any questions regarding this site, please contact Mr. Lee Dooley (Delta) at (408) 826-1880 or Mr. Denis Brown (Shell) at (707) 865-0251.

Sincerely,
Delta Environmental Consultants, Inc.

PROFESSIONAL GEOLOGIST
R. LEE DOOLEY
NO. 0183
CERTIFIED
HYDROGEOLOGIST
STATE OF CALIFORNIA

Matt Lambert
Staff Scientist

R. Lee Dooley, CHG 0183
Senior Hydrogeologist

Attachment: Fourth Quarter 2006 Groundwater Monitoring Report

cc: Denis Brown, Shell Oil Products US, Carson
Matt Katen, Zone 7 Water District, Livermore

SHELL QUARTERLY STATUS REPORT

Station Address:	11989 Dublin Boulevard, Dublin, CA
DELTA Project No.:	SJ11-989-1
SHELL Project Manager / Phone No.:	Denis Brown / (707) 865-0251
DELTA Site Manager / Phone No.:	Lee Dooley / (408) 826-1880
Primary Agency / Regulatory ID No.:	Alameda County Environmental Health / Mr. Jerry Wickham, P.G., CHG
Other Agencies to Receive Copies:	Zone 7 Water District/ Matt Katen

WORK PERFORMED THIS QUARTER (FOURTH - 2006):

1. Quarterly groundwater monitoring and sampling. Submitted quarterly report.

WORK PROPOSED FOR NEXT QUARTER (FIRST - 2006):

1. Quarterly groundwater monitoring and sampling. Submit quarterly report.

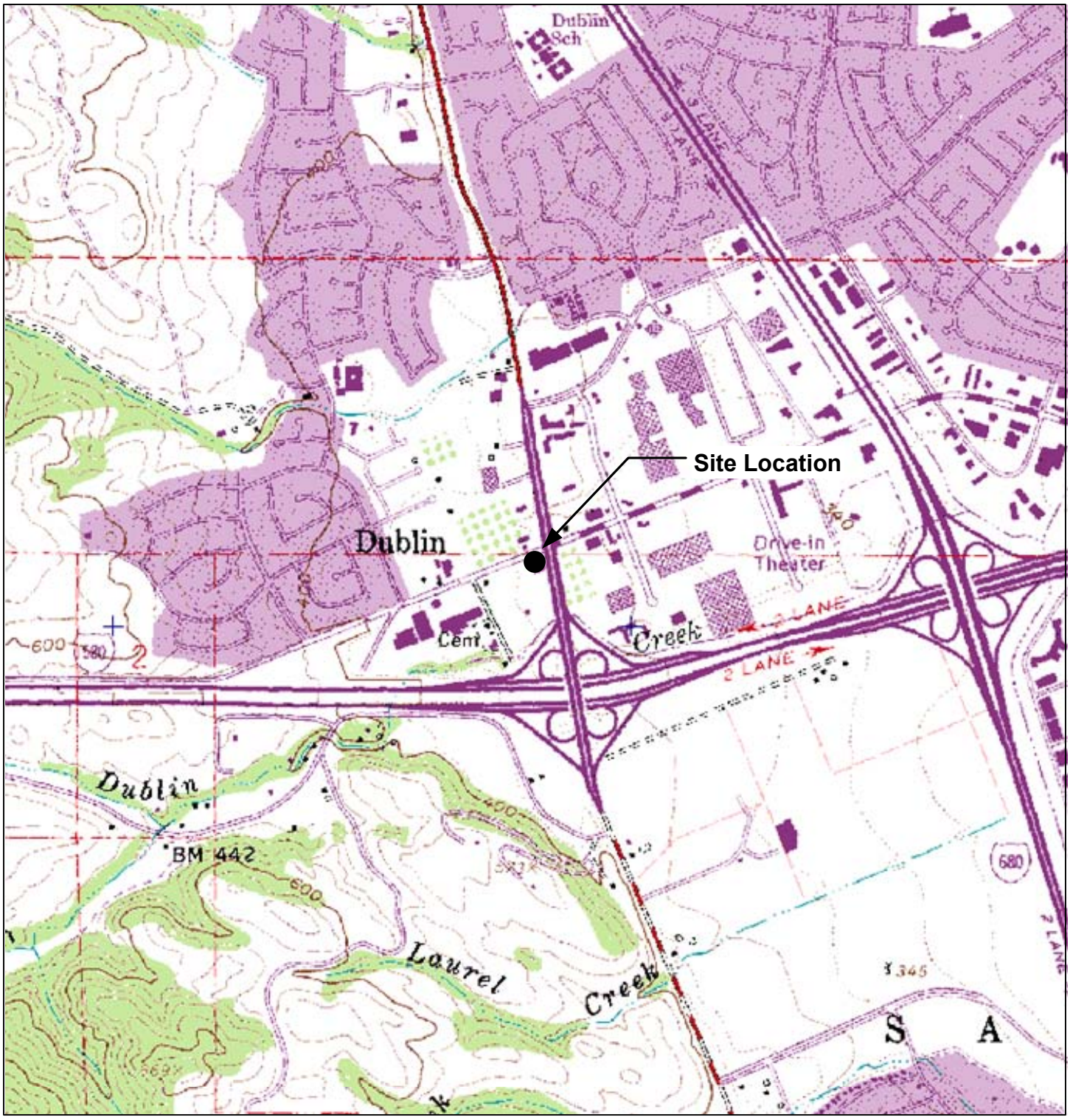
Current Phase of Project:	Groundwater monitoring.
Frequency of Sampling:	Quarterly (Wells MW-2 through MW-7)
Frequency of Monitoring:	Quarterly (Wells MW-2 through MW-7)
Is Separate Phase Hydrocarbon Present On-site (Well #'s):	☐ Yes ☒ No
Cumulative SPH Recovered to Date:	NA
SPH Recovered This Quarter :	None
Sensitive Receptor(s) and Respective Direction(s):	Dublin Creek is located approximately 538 feet south of the site.
Current Remediation Techniques:	None
Permits for Discharge:	None
Approximate Depth to Groundwater:	23.0 to 32.0 feet below top of well casing
Groundwater Gradient	Northeast at a gradient of 0.02 ft/ft, consistent with previous data
Current Agency Correspondence:	ACHCSA letter dated August 31, 2006 (newly installed Wells MW-6 and MW-7 to be added to quarterly monitoring and sampling program)
Summary of Unusual Activity:	Plume remains stable and well defined. TPH-G detected for first time in Well MW-5.

Lee Dooley
Site Manager (DELTA)

ATTACHED:

- Figure 1 – Site Location Map
- Figure 2 – Groundwater Elevation Contour Map, October 27, 2006
- Figure 3 – Benzene, MTBE, and TBA Concentrations October 27, 2006
- Attachment A – Groundwater Monitoring and Sampling Report, November 28, 2006

FIGURES



GENERAL NOTES:
Base Map from: DeLorme Yarmouth, ME 04096
Source Data: USGS

North

QUADRANGLE LOCATION

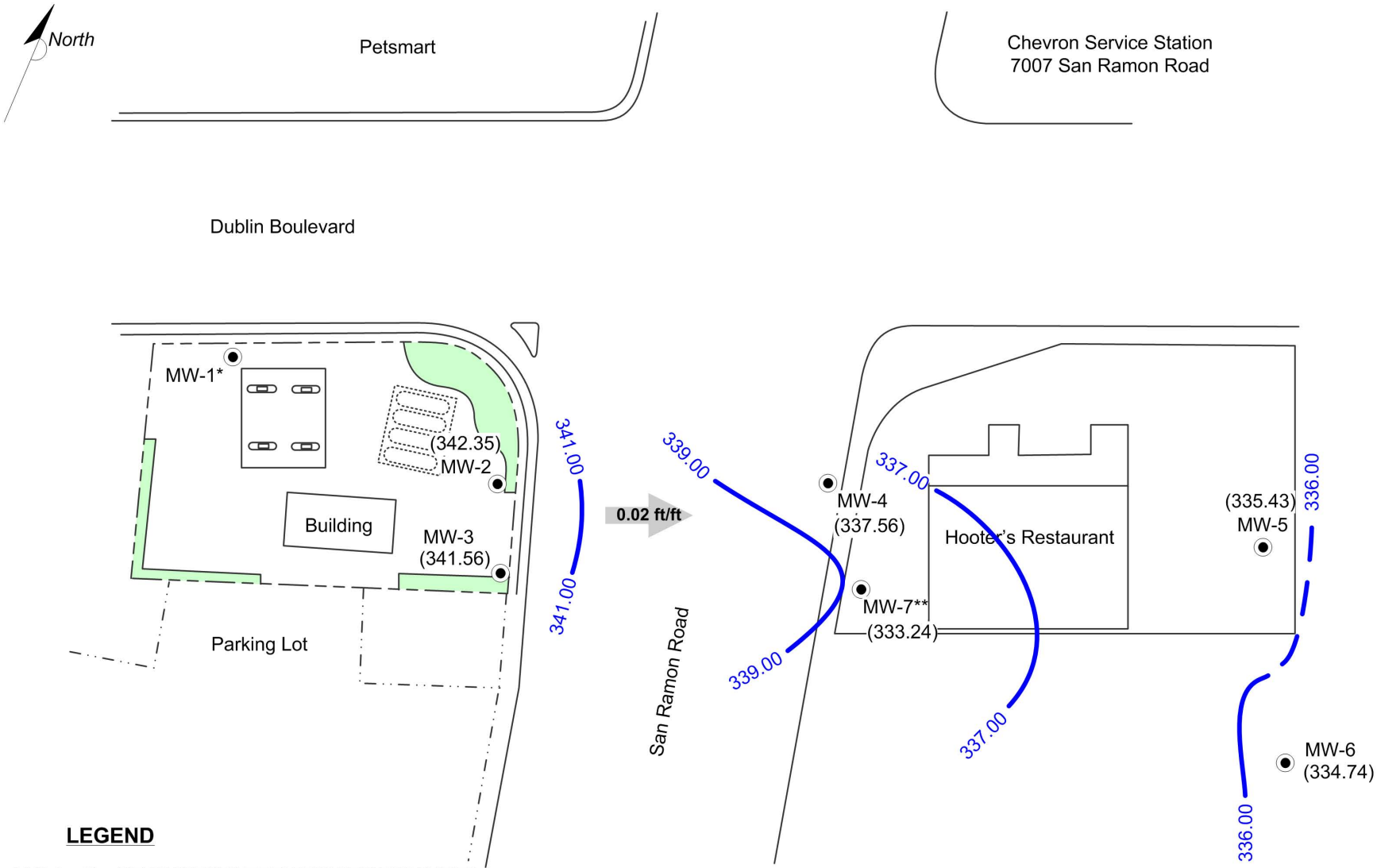
0 1,800 3,600
Scale, Feet

FIGURE 1
SITE LOCATION MAP

SHELL-BRANDED SERVICE STATION
11989 Dublin Blvd.
Dublin, California

PROJECT NO. SJ11-989-1.2006	DRAWN BY VF 10/22/03
FILE NO. SJ11-989-1.2006	PREPARED BY VF
REVISION NO.	REVIEWED BY

Delta Environmental Consultants, Inc.



LEGEND

MW-1 **GROUNDWATER MONITORING WELL**

(342.56) **GROUNDWATER ELEVATION (FEET-MSL), 10/27/06**

341.00 **GROUNDWATER ELEVATION CONTOUR**

0.02 ft/ft **APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT**

* **REMOVED FROM SAMPLING PROGRAM**

** **NOT USED IN CONTOUR CONSTRUCTION, WELL MONITORS DEEPER GROUNDWATER BEARING ZONE**

0 80 FT

APPROX. SCALE

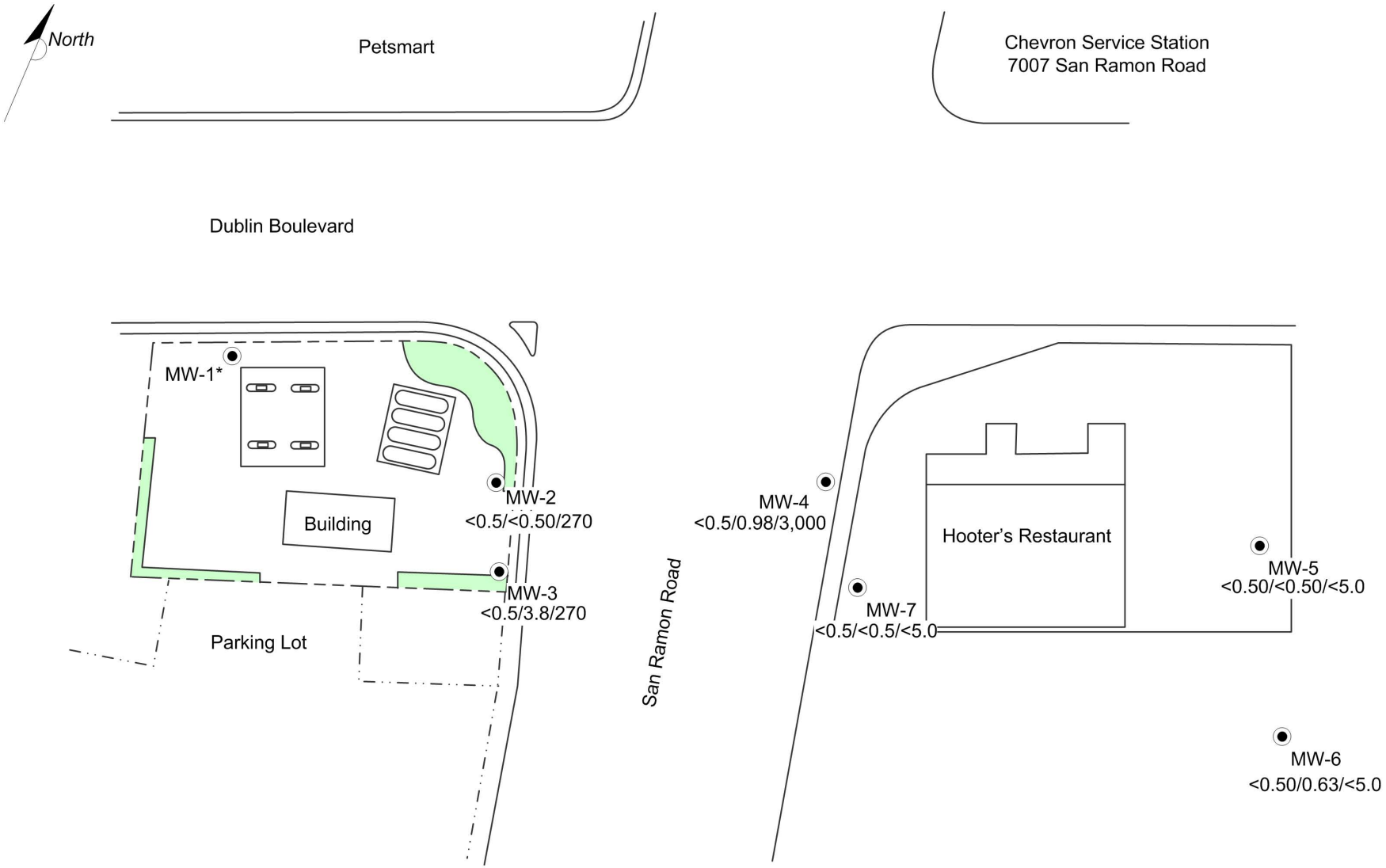
FIGURE 2

GROUNDWATER ELEVATION CONTOUR MAP, OCTOBER 27, 2006

SHELL-BRANDED SERVICE STATION
11989 Dublin Boulevard
Dublin. California

PROJECT NO. SJ11-989-1.2006	DRAWN BY BH 9/13/06
FILE NO. SJ11-989-1.2006	PREPARED BY HB
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.



LEGEND

MW-1 ◉ **GROUNDWATER MONITORING WELL**

<0.5/<0.5/270 **BENZENE/MTBE/TBA CONCENTRATIONS (UG/L), 10/27/06**

* **REMOVED FROM SAMPLING PROGRAM**

0 80 FT

APPROX. SCALE

FIGURE 3

BENZENE, MTBE, AND TBA CONCENTRATIONS MAP, OCTOBER 27, 2006

SHELL-BRANDED SERVICE STATION
11989 Dublin Boulevard
Dublin. California

PROJECT NO. SJ11-989-1.2006	DRAWN BY BH
FILE NO. SJ11-989-1.2006	PREPARED BY HB
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.

ATTACHMENT A

GROUNDWATER MONITORING AND SAMPLING REPORT, NOVEMBER 28, 2006

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

November 28, 2006

Denis Brown
Shell Oil Products US
20945 South Wilmington Avenue
Carson, CA 90810

Fourth Quarter 2006 Groundwater Monitoring at
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Monitoring performed on October 27, 2006

Groundwater Monitoring Report **061027-AL-1**

This report covers the routine monitoring of groundwater wells at this Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight-hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Mike Ninokata
Project Coordinator

MN/ks

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Lee Dooley
Delta Environmental
175 Bernal Road, Suite 200
San Jose, CA 95119

WELL CONCENTRATIONS
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	07/20/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	367.99	6.24	361.75	NA
MW-1	10/25/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	367.99	6.36	361.63	NA
MW-1	01/27/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	367.99	5.65	362.34	NA
MW-1	04/03/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	367.99	5.68	362.31	1.2/1.6
MW-1	07/27/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	367.99	5.69	362.30	1.0/1.1
MW-1	10/16/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	367.99	5.74	362.25	1.2/0.8
MW-1	01/16/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	367.99	5.71	362.28	0.59/2.8
MW-1	04/19/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	367.99	5.63	362.36	1.4/1.5
MW-1	07/13/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	367.99	5.70	362.29	2.3/3.1
MW-1	08/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	367.99	5.72	362.27	NA
MW-1	10/26/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	367.99	5.73	362.26	0.4/0.0
MW-1	01/11/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	367.99	5.55	362.44	5.4/2.0
MW-1	05/22/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	367.99	5.55	362.44	NA
MW-1	07/15/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	367.99	5.70	362.29	NA
MW-1	10/11/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	367.99	5.87	362.12	NA
MW-1	01/17/2003	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	367.99	5.79	362.20	NA
MW-1	05/01/2003	52	NA	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	NA	367.99	5.61	362.38	NA
MW-1	08/27/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	367.99	5.84	362.15	NA
MW-1	10/03/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	367.99	5.95	362.04	NA
MW-1	01/05/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	367.99	5.66	362.33	NA
MW-1	04/09/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	367.99	5.55	362.44	NA
MW-1	07/22/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	367.99	5.73	362.26	NA
MW-1	11/01/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	367.99	5.73	362.26	NA
MW-1	01/26/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	367.99	5.50	362.49	NA
MW-1	04/14/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	367.99	5.60	362.39	NA
MW-1	07/21/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	367.99	6.14	361.85	NA
MW-1	11/08/2005	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	367.99	6.33	361.66	NA

WELL CONCENTRATIONS
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2	07/20/1999	2,600	699	55.0	<2.50	59.5	<2.50	9,370	NA	NA	NA	NA	NA	NA	365.43	20.31	345.12	NA
MW-2	10/25/1999	4,710	761	61.1	<10.0	74.6	<10.0	22,800	NA	NA	NA	NA	NA	NA	365.43	22.80	342.63	NA
MW-2	01/27/2000	3,820	1490	60.8	<10.0	156	<10.0	13,400	15,000 a	NA	NA	NA	NA	NA	365.43	19.17	346.26	NA
MW-2	04/03/2000	7,130	NA	184	14.9	238	18.8	34,200	28,000	NA	NA	NA	NA	NA	365.43	19.03	346.40	1.6/1.7
MW-2	07/27/2000	311	NA	10.0	<0.500	<0.500	<0.500	280	NA	NA	NA	NA	NA	NA	365.43	19.09	346.34	1.9/1.7
MW-2	10/16/2000	3,970	NA	123	<5.00	68.5	<5.00	14,000	15,600	NA	NA	NA	NA	NA	365.43	23.98	341.45	0.5/0.5
MW-2	01/16/2001	5,780	NA	125	9.71	139	6.93	7,660	7,810	NA	NA	NA	NA	NA	365.43	22.12	343.31	0.90/2.61
MW-2	04/19/2001	4,460	NA	114	7.61	115	4.87	15,200	18,400	NA	NA	NA	NA	NA	365.43	20.95	344.48	1.6/1.5
MW-2	07/13/2001	<5,000	NA	<25	<25	110	<25	NA	15,000	NA	NA	NA	NA	NA	365.43	22.62	342.81	2.7/1.8
MW-2	08/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	365.43	22.33	343.10	NA
MW-2	10/26/2001	3,700	NA	<20	<20	66	<20	NA	9,200	<20	<20	<20	1,800	<500	365.43	22.32	343.11	0.7/0.8
MW-2	01/11/2002	<5,000	NA	<50	<50	54	<50	NA	15,000	NA	NA	NA	NA	NA	365.43	18.72	346.71	5.1/c
MW-2	05/22/2002	<5,000	NA	53	<50	57	<50	NA	20,000	<50	<50	<50	6,300	NA	365.43	20.59	344.84	NA
MW-2	07/15/2002	<5,000	NA	<50	<50	<50	<50	NA	16,000	<50	<50	<50	3,100	NA	365.43	21.90	343.53	NA
MW-2	10/11/2002	3,600	NA	<20	<20	48	<20	NA	8,200	<20	<20	<20	1,600	NA	365.43	22.45	342.98	NA
MW-2	01/17/2003	4,700	NA	<25	<25	87	<25	NA	13,000	<25	<25	<25	7,700	NA	365.43	19.27	346.16	NA
MW-2	05/01/2003	6,000	NA	<50	<50	110	<100	NA	12,000	<200	<200	<200	6,700	NA	365.43	19.09	346.34	NA
MW-2	08/27/2003	2,500	NA	32	<25	100	<50	NA	4,800	<100	<100	<100	9,100	NA	365.43	22.53	342.90	NA
MW-2	10/03/2003	5,500 d	NA	32	<13	86	<25	NA	2,200	<50	<50	<50	9,900	NA	365.43	23.02	342.41	NA
MW-2	01/05/2004	6,500	NA	22	<13	58	<25	NA	1,200	<50	<50	<50	7,400	NA	365.43	19.08	346.35	NA
MW-2	04/09/2004	6,500	NA	72	<13	30	<25	NA	1,600	<50	<50	<50	11,000	NA	365.43	20.22	345.21	NA
MW-2	07/22/2004	4,900	NA	32	<13	19	<25	NA	180	<50	<50	<50	7,100	NA	365.43	22.14	343.29	NA
MW-2	11/01/2004	5,700	NA	42	<13	13	<25	NA	190	<50	<50	<50	6,100	NA	365.43	20.72	344.71	NA
MW-2	01/26/2005	6,600	NA	94	<13	13	<25	NA	1,700	<50	<50	<50	16,000	NA	365.43	17.95	347.48	NA
MW-2	04/14/2005	8,200	NA	170	<10	92	<20	NA	1,300	<40	<40	<40	15,000	NA	365.43	18.10	347.33	NA
MW-2	07/21/2005	4,100	NA	23	<10	13	<20	NA	96	<40	<40	<40	4,600	NA	365.43	22.72	342.71	NA
MW-2	11/08/2005	1,290	NA	1.66	0.990	2.56	1.25	NA	11.9	<0.500	<0.500	<0.500	428	NA	365.43	21.77	343.66	NA
MW-2	01/06/2006	6,650	NA	<0.500	<0.500	2.69	<0.500	NA	9.23 g	<0.500	<0.500	<0.500	1,300 g	NA	365.43	18.94	346.49	NA
MW-2	04/19/2006	5,490	NA	3.58	0.890	4.32	<0.500	NA	19.0	<0.500	<0.500	<0.500	1,040	NA	365.43	18.34	347.09	NA

WELL CONCENTRATIONS
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2	07/26/2006	4,990	NA	<0.500	<0.500	<0.500	<0.500	NA	4.66	NA	NA	NA	353	NA	365.43	22.53	342.90	NA
MW-2	**10/27/2006**	**2,900**	**NA**	**<0.50**	**<0.50**	**<0.50**	**1.2**	**NA**	**<0.50**	**<2.0**	**<2.0**	**<2.0**	**270**	**NA**	**365.43**	**23.08**	**342.35**	**NA**
MW-3	07/20/1999	208	177	4.69	<0.500	<0.500	<0.500	664	NA	NA	NA	NA	NA	NA	364.97	24.23	340.74	NA
MW-3	10/25/1999	378	182	9.49	<0.500	<0.500	<0.500	1,410	NA	NA	NA	NA	NA	NA	364.97	23.26	341.71	NA
MW-3	01/27/2000	428	100	29.4	<0.500	<0.500	<0.500	941	NA	NA	NA	NA	NA	NA	364.97	19.53	345.44	NA
MW-3	04/03/2000	<125	NA	11.4	<1.25	<1.25	<1.25	639	NA	NA	NA	NA	NA	NA	364.97	19.13	345.84	1.4/1.9
MW-3	07/27/2000	4,360	NA	78.4	6.95	85.8	2.61	26,600	25,200 b	NA	NA	NA	NA	NA	364.97	19.10	345.87	1.9/2.0
MW-3	10/16/2000	586	NA	21.3	<0.500	<0.500	<0.500	3,310	NA	NA	NA	NA	NA	NA	364.97	24.11	340.86	1.1/0.8
MW-3	01/16/2001	558	NA	14.7	<0.500	<0.500	<0.500	2,210	NA	NA	NA	NA	NA	NA	364.97	22.19	342.78	0.87/3.5
MW-3	04/19/2001	376	NA	9.08	<0.500	<0.500	<0.500	667	NA	NA	NA	NA	NA	NA	364.97	20.96	344.01	1.7/1.4
MW-3	07/13/2001	370	NA	<2.0	<2.0	<2.0	<2.0	NA	670	NA	NA	NA	NA	NA	364.97	22.77	342.20	3.1/4.8
MW-3	08/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	364.97	22.59	342.38	NA
MW-3	10/26/2001	<200	NA	<2.0	<2.0	<2.0	<2.0	NA	680	<2.0	<2.0	<2.0	79	<500	364.97	22.81	342.16	1.0/3.2
MW-3	01/11/2002	480	NA	<2.0	<2.0	<2.0	<2.0	NA	830	NA	NA	NA	NA	NA	364.97	18.88	346.09	1.1/3.2
MW-3	05/22/2002	570	NA	<1.0	<1.0	<1.0	<1.0	NA	680	<2.0	<2.0	<2.0	58	NA	364.97	20.75	344.22	NA
MW-3	07/15/2002	420	NA	1.1	<1.0	<1.0	1.1	NA	520	<2.0	<2.0	<2.0	53	NA	364.97	22.09	342.88	NA
MW-3	10/11/2002	730	NA	<0.50	<0.50	<0.50	<0.50	NA	320	<2.0	<2.0	<2.0	330	NA	364.97	22.68	342.29	NA
MW-3	01/17/2003	740	NA	<0.50	<0.50	<0.50	<0.50	NA	150	<2.0	<2.0	<2.0	440	NA	364.97	19.34	345.63	NA
MW-3	05/01/2003	890	NA	<0.50	<0.50	<0.50	<1.0	NA	78	<2.0	<2.0	<2.0	300	NA	364.97	19.27	345.70	NA
MW-3	08/27/2003	920 d	NA	<0.50	<0.50	<0.50	<1.0	NA	52	<2.0	<2.0	<2.0	330	NA	364.97	22.73	342.24	NA
MW-3	10/03/2003	870 d	NA	<0.50	<0.50	<0.50	<1.0	NA	65	<2.0	<2.0	<2.0	520	NA	364.97	23.15	341.82	NA
MW-3	01/05/2004	860 d	NA	<0.50	<0.50	<0.50	<1.0	NA	40	<2.0	<2.0	<2.0	750	NA	364.97	19.60	345.37	NA
MW-3	04/09/2004	420 d	NA	<0.50	<0.50	<0.50	<1.0	NA	58	<2.0	<2.0	<2.0	280	NA	364.97	20.30	344.67	NA
MW-3	07/22/2004	570 e	NA	<0.50	<0.50	<0.50	<1.0	NA	20	<2.0	<2.0	<2.0	360	NA	364.97	22.42	342.55	NA
MW-3	11/01/2004	430	NA	<0.50	<0.50	<0.50	<1.0	NA	28	<2.0	<2.0	<2.0	680	NA	364.97	21.00	343.97	NA
MW-3	01/26/2005	1000	NA	0.53	<0.50	<0.50	<1.0	NA	20	<2.0	<2.0	<2.0	820	NA	364.97	17.92	347.05	NA
MW-3	04/14/2005	1,100	NA	1.3	<0.50	<0.50	<1.0	NA	16	<2.0	<2.0	<2.0	580	NA	364.97	18.11	346.86	NA
MW-3	07/21/2005	490	NA	<0.50	<0.50	<0.50	<1.0	NA	4.2	<2.0	<2.0	<2.0	400	NA	364.97	22.95	342.02	NA

WELL CONCENTRATIONS
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-3	11/08/2005	349	NA	<0.500	<0.500	<0.500	<0.500	NA	10.1	<0.500	<0.500	<0.500	418	NA	364.97	22.18	342.79	NA
MW-3	01/06/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	13.7	<0.500	<0.500	<0.500	1,060	NA	364.97	19.40	345.57	NA
MW-3	04/19/2006	376	NA	0.580	<0.500	<0.500	<0.500	NA	4.44	<0.500	<0.500	<0.500	452	NA	364.97	18.62	346.35	NA
MW-3	07/26/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	5.98	NA	NA	NA	72.1	NA	364.97	22.79	342.18	NA
MW-3	**10/27/2006**	**550**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**3.8**	**<2.0**	**<2.0**	**<2.0**	**270**	**NA**	**364.97**	**23.41**	**341.56**	**NA**
MW-4	08/10/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	364.01	25.63	338.38	NA
MW-4	08/13/2001	2,400	NA	<10	<10	<10	<10	NA	8,300	NA	NA	NA	NA	NA	364.01	26.32	337.69	4.2/2.7
MW-4	10/26/2001	<2,000	NA	<20	<20	<20	<20	NA	8,600	NA	NA	NA	NA	NA	364.01	26.02	337.99	3.1/2.8
MW-4	01/11/2002	<2,000	NA	<20	<20	<20	<20	NA	5,100	NA	NA	NA	NA	NA	364.01	22.25	341.76	7.9/3.0
MW-4	05/22/2002	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	3,200	<5.0	<5.0	<5.0	2,500	NA	364.01	23.96	340.05	NA
MW-4	07/15/2002	<2,500	NA	<20	<20	<20	<20	NA	7,000	<20	<20	<20	2,000	NA	363.97	25.18	338.79	NA
MW-4	10/11/2002	1,900	NA	<5.0	<5.0	<5.0	<5.0	NA	2,900	<5.0	<5.0	<5.0	5,100	NA	363.97	25.91	338.06	NA
MW-4	01/17/2003	580	NA	<2.5	<2.5	<2.5	<2.5	NA	59	<2.5	<2.5	<2.5	7,000	NA	363.97	22.38	341.59	NA
MW-4	05/01/2003	770	NA	<5.0	<5.0	<5.0	<10	NA	73	<20	<20	<20	4,300	NA	363.97	21.92	342.05	NA
MW-4	08/27/2003	<1,000	NA	<10	<10	<10	<20	NA	370	<40	<40	<40	11,000	NA	363.97	25.31	338.66	NA
MW-4	10/03/2003	<1,000	NA	<10	<10	<10	<20	NA	190	<40	<40	<40	11,000	NA	363.97	26.00	337.97	NA
MW-4	01/05/2004	<1,000	NA	<10	<10	<10	<20	NA	<10	<40	<40	<40	7,400	NA	363.97	23.48	340.49	NA
MW-4	04/09/2004	<1,000	NA	<10	<10	<10	<20	NA	<10	<40	<40	<40	5,700	NA	363.97	23.45	340.52	NA
MW-4	07/22/2004	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	363.97	NA	NA	NA
MW-4	11/01/2004	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	363.97	NA	NA	NA
MW-4	01/26/2005	1200 f	NA	<10	<10	<10	<20	NA	<10	<40	<40	<40	3700	NA	363.97	21.44	342.53	NA
MW-4	04/14/2005	1,000 f	NA	<0.50	<0.50	<0.50	<1.0	NA	6.2	<2.0	<2.0	<2.0	5,800	NA	363.97	20.69	343.28	NA
MW-4	07/21/2005	390	NA	<2.5	<2.5	<2.5	<5.0	NA	<2.5	<10	<10	<10	2,400	NA	363.97	25.55	338.42	NA
MW-4	11/08/2005	489	NA	<0.500	<0.500	<0.500	<0.500	NA	3.23	<0.500	<0.500	<0.500	1,710	NA	363.97	25.46	338.51	NA
MW-4	01/06/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	2.75 g	<0.500	<0.500	<0.500	302	NA	363.97	22.55	341.42	NA
MW-4	04/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	0.630	<0.500	<0.500	<0.500	301	NA	363.97	21.59	342.38	NA
MW-4	07/26/2006	785	NA	<0.500	<0.500	<0.500	<0.500	NA	1.47	NA	NA	NA	1,810	NA	363.97	25.67	338.30	NA
MW-4	**10/27/2006**	**270**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**0.98**	**<2.0**	**<2.0**	**<2.0**	**3,000**	**NA**	**363.97**	**26.41**	**337.56**	**NA**

WELL CONCENTRATIONS
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-5	01/03/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	361.00	22.95	338.05	NA
MW-5	01/06/2006	<50.0	280	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	361.00	22.77	338.23	NA
MW-5	04/19/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	32.1	NA	361.00	21.06	339.94	NA
MW-5	07/26/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	<10.0	NA	361.00	24.68	336.32	NA
MW-5	**10/27/2006**	**170**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<0.50**	**<2.0**	**<2.0**	**<2.0**	**<5.0**	**NA**	**361.00**	**25.57**	**335.43**	**NA**
MW-6	07/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	361.15	25.33	335.82	NA
MW-6	07/26/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	361.15	25.45	335.70	NA
MW-6	**10/27/2006**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**0.63**	**<2.0**	**<2.0**	**<2.0**	**<5.0**	**NA**	**361.15**	**26.41**	**334.74**	**NA**
MW-7	07/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	365.21	25.93	339.28	NA
MW-7	07/26/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	365.21	30.53	334.68	NA
MW-7	**10/27/2006**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<0.50**	**<2.0**	**<2.0**	**<2.0**	**<5.0**	**NA**	**365.21**	**31.97**	**333.24**	**NA**

WELL CONCENTRATIONS
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to July 13, 2001, analyzed by EPA Method 8015.

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to July 13, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether, analyzed by EPA Method 8260

ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260

TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260

TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260

TOC = Top of Casing Elevation

GW = Groundwater

DO = Dissolved Oxygen

n/n = Pre-purge/Post-purge DO Readings

ug/L = Parts per billion

ppm = Parts per million

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

NA = Not applicable

WELL CONCENTRATIONS
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)

Notes:

a = Sample was analyzed outside the EPA recommended holding time.

b = Concentration is an estimate.

c = DO meter malfunctioning.

d = Hydrocarbon does not match pattern of laboratory's standard.

e = Sample contains discrete peak in addition to gasoline.

f = Quantity of unknown hydrocarbon(s) in sample based on gasoline.

g = Secondary ion abundances were outside method requirements. Identification based on analytical judgement.

Ethanol analyzed by EPA Method 8260B.

Wells surveyed June 21, 1999 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells surveyed August 23, 2001 and February 18, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Well MW-5 surveyed on March 3, 2006 by Mid Coast Engineers.

Well MW-6 and MW-7 surveyed data provided by Delta Environmental Consultants, Inc, CA. on August 15, 2006.

TestAmerica
ANALYTICAL TESTING CORPORATION

819 Striker Avenue, Suite 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.testamericainc.com

13 November, 2006

Michael Ninokata
Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose, CA 95112

RE: 11989 Dublin Blvd., Dublin
Work Order: S610528

Enclosed are the results of analyses for samples received by the laboratory on 10/30/06 13:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sylvia Krenn
Project Manager

CA ELAP Certificate # 2630

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Blaine Tech Services (Shell)	Project: 11989 Dublin Blvd., Dublin	S610528
1680 Rogers Avenue	Project Number: 98995328	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	11/13/06 16:56

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	S610528-01	Water	10/27/06 11:15	10/30/06 13:30
MW-3	S610528-02	Water	10/27/06 11:05	10/30/06 13:30
MW-4	S610528-03	Water	10/27/06 10:20	10/30/06 13:30
MW-5	S610528-04	Water	10/27/06 08:20	10/30/06 13:30
MW-6	S610528-05	Water	10/27/06 08:35	10/30/06 13:30
MW-7	S610528-06	Water	10/27/06 09:15	10/30/06 13:30

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

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Blaine Tech Services (Shell)	Project: 11989 Dublin Blvd., Dublin	S610528
1680 Rogers Avenue	Project Number: 98995328	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	11/13/06 16:56

Gasoline\BTEX\Oxygenates by GCMS\8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (S610528-01) Water Sampled: 10/27/06 11:15 Received: 10/30/06 13:30									
Tert-butyl alcohol	**270**	5.0	ug/l	1	6110052	11/03/06	11/04/06	GCMS \ 8260B	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	**1.2**	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**2900**	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*102 %*		*60-140*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*60-140*	"	"	"	"	
Surrogate: 4-BFB		*102 %*		*60-140*	"	"	"	"	
MW-3 (S610528-02) Water Sampled: 10/27/06 11:05 Received: 10/30/06 13:30									
Tert-butyl alcohol	**270**	5.0	ug/l	1	6110052	11/03/06	11/04/06	GCMS \ 8260B	
Methyl tert-butyl ether	**3.8**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**550**	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*104 %*		*60-140*	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*60-140*	"	"	"	"	
Surrogate: 4-BFB		*103 %*		*60-140*	"	"	"	"	

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Blaine Tech Services (Shell)	Project: 11989 Dublin Blvd., Dublin	S610528
1680 Rogers Avenue	Project Number: 98995328	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	11/13/06 16:56

Gasoline\BTEX\Oxygenates by GCMS\8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (S610528-03) Water Sampled: 10/27/06 10:20 Received: 10/30/06 13:30									
Methyl tert-butyl ether	**0.98**	0.50	ug/l	1	6110052	11/03/06	11/04/06	GCMS \ 8260B	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**270**	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*104 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*103 %*	*60-140*		"	"	"	"	
MW-4 (S610528-03RE1) Water Sampled: 10/27/06 10:20 Received: 10/30/06 13:30									
Tert-butyl alcohol	**3000**	25	ug/l	5	6110105	11/06/06	11/06/06	GCMS \ 8260B	
Surrogate: 1,2-DCA-d4		*103 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*103 %*	*60-140*		"	"	"	"	
MW-5 (S610528-04) Water Sampled: 10/27/06 08:20 Received: 10/30/06 13:30									
Tert-butyl alcohol	ND	5.0	ug/l	1	6110052	11/03/06	11/04/06	GCMS \ 8260B	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**170**	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*104 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*106 %*	*60-140*		"	"	"	"	

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Blaine Tech Services (Shell)	Project: 11989 Dublin Blvd., Dublin	S610528
1680 Rogers Avenue	Project Number: 98995328	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	11/13/06 16:56

Gasoline\BTEX\Oxygenates by GCMS\8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (S610528-05) Water Sampled: 10/27/06 08:35 Received: 10/30/06 13:30									
Tert-butyl alcohol	ND	5.0	ug/l	1	6110052	11/03/06	11/04/06	GCMS \ 8260B	
Methyl tert-butyl ether	**0.63**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*105 %*		*60-140*	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*60-140*	"	"	"	"	
Surrogate: 4-BFB		*106 %*		*60-140*	"	"	"	"	
MW-7 (S610528-06) Water Sampled: 10/27/06 09:15 Received: 10/30/06 13:30									
Tert-butyl alcohol	ND	5.0	ug/l	1	6110052	11/03/06	11/04/06	GCMS \ 8260B	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*108 %*		*60-140*	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*60-140*	"	"	"	"	
Surrogate: 4-BFB		*106 %*		*60-140*	"	"	"	"	

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Blaine Tech Services (Shell)	Project: 11989 Dublin Blvd., Dublin	S610528
1680 Rogers Avenue	Project Number: 98995328	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	11/13/06 16:56

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control
TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6110052 - EPA 5030B [P/T] / GCMS \ 8260B										
Blank (6110052-BLK1)				Prepared: 11/03/06 Analyzed: 11/04/06						
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Tert-amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	*25.7*		*"*	*25.0*		*103*	*60-140*			
Surrogate: Toluene-d8	*27.1*		*"*	*25.0*		*108*	*60-140*			
Surrogate: 4-BFB	*26.6*		*"*	*25.0*		*106*	*60-140*			
Blank (6110052-BLK2)				Prepared & Analyzed: 11/06/06						
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Tert-amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	*25.4*		*"*	*25.0*		*102*	*60-140*			
Surrogate: Toluene-d8	*26.6*		*"*	*25.0*		*106*	*60-140*			
Surrogate: 4-BFB	*26.0*		*"*	*25.0*		*104*	*60-140*			

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Blaine Tech Services (Shell)	Project: 11989 Dublin Blvd., Dublin	S610528
1680 Rogers Avenue	Project Number: 98995328	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	11/13/06 16:56

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6110052 - EPA 5030B [P/T] / GCMS \ 8260B										
Laboratory Control Sample (6110052-BS1)				Prepared: 11/03/06 Analyzed: 11/04/06						
Gasoline Range Organics (C4-C12)	2100	50	ug/l	2200		95	70-130			
Surrogate: 1,2-DCA-d4	*28.0*		*"*	*25.0*		*112*	*60-140*			
Surrogate: Toluene-d8	*26.5*		*"*	*25.0*		*106*	*60-140*			
Surrogate: 4-BFB	*26.2*		*"*	*25.0*		*105*	*60-140*			
Laboratory Control Sample (6110052-BS2)				Prepared: 11/03/06 Analyzed: 11/04/06						
Methyl tert-butyl ether	20.9	0.50	ug/l	20.0		104	60-140			
Benzene	22.5	0.50	"	20.0		112	70-130			
Toluene	19.7	0.50	"	20.0		98	70-130			
Surrogate: 1,2-DCA-d4	*26.9*		*"*	*25.0*		*108*	*60-140*			
Surrogate: Toluene-d8	*26.5*		*"*	*25.0*		*106*	*60-140*			
Surrogate: 4-BFB	*25.9*		*"*	*25.0*		*104*	*60-140*			
Laboratory Control Sample Dup (6110052-BSD1)				Prepared & Analyzed: 11/06/06						
Gasoline Range Organics (C4-C12)	2090	50	ug/l	2200		95	70-130	0.5	25	
Surrogate: 1,2-DCA-d4	*27.7*		*"*	*25.0*		*111*	*60-140*			
Surrogate: Toluene-d8	*26.6*		*"*	*25.0*		*106*	*60-140*			
Surrogate: 4-BFB	*25.9*		*"*	*25.0*		*104*	*60-140*			
Laboratory Control Sample Dup (6110052-BSD2)				Prepared & Analyzed: 11/06/06						
Methyl tert-butyl ether	20.5	0.50	ug/l	20.0		102	60-140	2	25	
Benzene	22.0	0.50	"	20.0		110	70-130	2	25	
Toluene	18.2	0.50	"	20.0		91	70-130	8	25	
Surrogate: 1,2-DCA-d4	*27.6*		*"*	*25.0*		*110*	*60-140*			
Surrogate: Toluene-d8	*25.9*		*"*	*25.0*		*104*	*60-140*			
Surrogate: 4-BFB	*25.2*		*"*	*25.0*		*101*	*60-140*			
Matrix Spike (6110052-MS1)	**Source: S610518-13**			Prepared & Analyzed: 11/06/06						
Methyl tert-butyl ether	44.7	0.50	ug/l	52.0	14.0	59	60-140			QM02
Benzene	22.9	0.50	"	38.8	ND	59	70-130			QM02
Toluene	151	0.50	"	188	ND	80	70-130			
Gasoline Range Organics (C4-C12)	2050	50	"	2200	17.9	92	60-140			
Surrogate: 1,2-DCA-d4	*27.6*		*"*	*25.0*		*110*	*60-140*			
Surrogate: Toluene-d8	*26.6*		*"*	*25.0*		*106*	*60-140*			
Surrogate: 4-BFB	*25.4*		*"*	*25.0*		*102*	*60-140*			

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Blaine Tech Services (Shell)	Project: 11989 Dublin Blvd., Dublin	S610528
1680 Rogers Avenue	Project Number: 98995328	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	11/13/06 16:56

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6110052 - EPA 5030B [P/T] / GCMS \ 8260B										
Matrix Spike Dup (6110052-MSD1)	**Source: S610518-13**			Prepared & Analyzed: 11/06/06						
Methyl tert-butyl ether	44.0	0.50	ug/l	52.0	14.0	58	60-140	2	25	QM02
Benzene	22.9	0.50	"	38.8	ND	59	70-130	0	25	QM02
Toluene	140	0.50	"	188	ND	74	70-130	8	25	
Gasoline Range Organics (C4-C12)	2010	50	"	2200	17.9	91	60-140	2	25	
Surrogate: 1,2-DCA-d4	*28.3*		*"*	*25.0*		*113*	*60-140*			
Surrogate: Toluene-d8	*26.4*		*"*	*25.0*		*106*	*60-140*			
Surrogate: 4-BFB	*25.8*		*"*	*25.0*		*103*	*60-140*			
Batch 6110105 - EPA 5030B [P/T] / GCMS \ 8260B										
Blank (6110105-BLK1)				Prepared & Analyzed: 11/03/06						
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Tert-amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	*26.2*		*"*	*25.0*		*105*	*60-140*			
Surrogate: Toluene-d8	*27.0*		*"*	*25.0*		*108*	*60-140*			
Surrogate: 4-BFB	*25.8*		*"*	*25.0*		*103*	*60-140*			

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Blaine Tech Services (Shell)	Project: 11989 Dublin Blvd., Dublin	S610528
1680 Rogers Avenue	Project Number: 98995328	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	11/13/06 16:56

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6110105 - EPA 5030B [P/T] / GCMS \ 8260B										
Blank (6110105-BLK2)				Prepared & Analyzed: 11/06/06						
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Tert-amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	*25.4*		*"*	*25.0*		*102*	*60-140*			
Surrogate: Toluene-d8	*26.6*		*"*	*25.0*		*106*	*60-140*			
Surrogate: 4-BFB	*26.0*		*"*	*25.0*		*104*	*60-140*			
Blank (6110105-BLK3)				Prepared & Analyzed: 11/07/06						
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Tert-amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	*26.2*		*"*	*25.0*		*105*	*60-140*			
Surrogate: Toluene-d8	*25.9*		*"*	*25.0*		*104*	*60-140*			
Surrogate: 4-BFB	*25.8*		*"*	*25.0*		*103*	*60-140*			

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Blaine Tech Services (Shell)	Project: 11989 Dublin Blvd., Dublin	S610528
1680 Rogers Avenue	Project Number: 98995328	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	11/13/06 16:56

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6110105 - EPA 5030B [P/T] / GCMS \ 8260B										
Blank (6110105-BLK4)				Prepared & Analyzed: 11/02/06						
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Tert-amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	*24.6*		*"*	*25.0*		*98*	*60-140*			
Surrogate: Toluene-d8	*27.1*		*"*	*25.0*		*108*	*60-140*			
Surrogate: 4-BFB	*25.9*		*"*	*25.0*		*104*	*60-140*			
Laboratory Control Sample (6110105-BS1)				Prepared & Analyzed: 11/03/06						
Gasoline Range Organics (C4-C12)	2120	50	ug/l	2200		96	70-130			
Surrogate: 1,2-DCA-d4	*27.5*		*"*	*25.0*		*110*	*60-140*			
Surrogate: Toluene-d8	*27.0*		*"*	*25.0*		*108*	*60-140*			
Surrogate: 4-BFB	*25.6*		*"*	*25.0*		*102*	*60-140*			
Laboratory Control Sample (6110105-BS2)				Prepared & Analyzed: 11/03/06						
Methyl tert-butyl ether	19.0	0.50	ug/l	20.0		95	60-140			
Benzene	21.8	0.50	"	20.0		109	70-130			
Toluene	18.9	0.50	"	20.0		94	70-130			
Surrogate: 1,2-DCA-d4	*27.2*		*"*	*25.0*		*109*	*60-140*			
Surrogate: Toluene-d8	*26.4*		*"*	*25.0*		*106*	*60-140*			
Surrogate: 4-BFB	*25.2*		*"*	*25.0*		*101*	*60-140*			

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Blaine Tech Services (Shell)	Project: 11989 Dublin Blvd., Dublin	S610528
1680 Rogers Avenue	Project Number: 98995328	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	11/13/06 16:56

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6110105 - EPA 5030B [P/T] / GCMS \ 8260B										
Laboratory Control Sample (6110105-BS3)				Prepared & Analyzed: 11/06/06						
Gasoline Range Organics (C4-C12)	2090	50	ug/l	2200		95	70-130			
Surrogate: 1,2-DCA-d4	*27.7*		"	*25.0*		*111*	*60-140*			
Surrogate: Toluene-d8	*26.6*		"	*25.0*		*106*	*60-140*			
Surrogate: 4-BFB	*25.9*		"	*25.0*		*104*	*60-140*			
Laboratory Control Sample (6110105-BS4)				Prepared & Analyzed: 11/06/06						
Methyl tert-butyl ether	20.5	0.50	ug/l	20.0		102	60-140			
Benzene	22.0	0.50	"	20.0		110	70-130			
Toluene	18.2	0.50	"	20.0		91	70-130			
Surrogate: 1,2-DCA-d4	*27.6*		"	*25.0*		*110*	*60-140*			
Surrogate: Toluene-d8	*25.9*		"	*25.0*		*104*	*60-140*			
Surrogate: 4-BFB	*25.2*		"	*25.0*		*101*	*60-140*			
Laboratory Control Sample (6110105-BS5)				Prepared & Analyzed: 11/07/06						
Gasoline Range Organics (C4-C12)	1690	50	ug/l	2200		77	70-130			
Surrogate: 1,2-DCA-d4	*27.9*		"	*25.0*		*112*	*60-140*			
Surrogate: Toluene-d8	*25.4*		"	*25.0*		*102*	*60-140*			
Surrogate: 4-BFB	*25.6*		"	*25.0*		*102*	*60-140*			
Laboratory Control Sample (6110105-BS6)				Prepared & Analyzed: 11/07/06						
Methyl tert-butyl ether	19.9	0.50	ug/l	20.0		100	60-140			
Benzene	21.0	0.50	"	20.0		105	70-130			
Toluene	17.7	0.50	"	20.0		88	70-130			
Surrogate: 1,2-DCA-d4	*27.5*		"	*25.0*		*110*	*60-140*			
Surrogate: Toluene-d8	*25.4*		"	*25.0*		*102*	*60-140*			
Surrogate: 4-BFB	*25.2*		"	*25.0*		*101*	*60-140*			
Laboratory Control Sample (6110105-BS7)				Prepared & Analyzed: 11/02/06						
Gasoline Range Organics (C4-C12)	2220	50	ug/l	2200		101	70-130			
Surrogate: 1,2-DCA-d4	*27.8*		"	*25.0*		*111*	*60-140*			
Surrogate: Toluene-d8	*26.1*		"	*25.0*		*104*	*60-140*			
Surrogate: 4-BFB	*25.8*		"	*25.0*		*103*	*60-140*			

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Blaine Tech Services (Shell)	Project: 11989 Dublin Blvd., Dublin	S610528
1680 Rogers Avenue	Project Number: 98995328	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	11/13/06 16:56

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control
TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6110105 - EPA 5030B [P/T] / GCMS \ 8260B										
Laboratory Control Sample (6110105-BS8)				Prepared & Analyzed: 11/02/06						
Methyl tert-butyl ether	18.2	0.50	ug/l	20.0		91	60-140			
Benzene	20.8	0.50	"	20.0		104	70-130			
Toluene	18.4	0.50	"	20.0		92	70-130			
Surrogate: 1,2-DCA-d4	*26.7*		*"*	*25.0*		*107*	*60-140*			
Surrogate: Toluene-d8	*25.5*		*"*	*25.0*		*102*	*60-140*			
Surrogate: 4-BFB	*25.0*		*"*	*25.0*		*100*	*60-140*			
Laboratory Control Sample Dup (6110105-BSD1)				Prepared: 11/03/06 Analyzed: 11/04/06						
Gasoline Range Organics (C4-C12)	2100	50	ug/l	2200		95	70-130	0.9	25	
Surrogate: 1,2-DCA-d4	*28.0*		*"*	*25.0*		*112*	*60-140*			
Surrogate: Toluene-d8	*26.5*		*"*	*25.0*		*106*	*60-140*			
Surrogate: 4-BFB	*26.2*		*"*	*25.0*		*105*	*60-140*			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

TestAmerica
ANALYTICAL TESTING CORPORATION

819 Striker Avenue, Suite 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.testamericainc.com

Blaine Tech Services (Shell)	Project: 11989 Dublin Blvd., Dublin	S610528
1680 Rogers Avenue	Project Number: 98995328	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	11/13/06 16:56

Notes and Definitions

QM02	The spike recovery was below control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

SHELL Chain Of Custody Record

LAB:
- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☒ TA - Sacramento, California
- ☑ TA - Nashville, Tennessee
- ☐ Calscience
- ☐ Other_____

NAME OF PERSON TO BILL: Denis Brown
- ☑ ENVIRONMENTAL SERVICES
- ☐ NETWORK DEV / FE
- ☐ BILL CONSULTANT
- ☐ COMPLIANCE
- ☐ RMT/CRMT

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 9 8 9 9 5 3 2 8

PO #:

SAP or CRMT #:

DATE: 10/27/06

PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:
Blaine Tech Services	BTSS

ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112

PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata

TELEPHONE:	FAX:	E-MAIL:
408-573-0555	408-573-7771	mninokata@blainetech.com

SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
11989 Dublin Blvd., Dublin	CA	T0600102083

EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
Lena Martinez, Delta, San Jose	(408) 826-1861	lmartinez@deltaenv.com	061027-AL-1

BTS #:

SAMPLER NAME(S) (Print): Aron Lindgren

LAB USE ONLY

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS):
☒ STD ☐ 5 DAY ☐ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

REQUESTED ANALYSIS SC10528

SPECIAL INSTRUCTIONS OR NOTES:
- ☐ EDD NOT NEEDED
- ☐ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMB RATE APPLIES
- ☑ RECEIPT VERIFICATION REQUESTED

CC Lee Dooley ldooley@deltaenv.com and Heather Buckingham hbuckingham@deltaenv.com when sending final report.

FIELD NOTES:
Container/Preservative or PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (8260B)	TPH - Diesel, Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TPH-motor oil (8015M)	TDS (160.1)	Total Iron (6010B)	Total Lead (6010B)		Total Oil and Grease (1664A)		TEMPERATURE ON RECEIPT C°
01	MW-2	10/27	11:15	W	3	X		X	X																
02	MW-3		11:05			X		X	X																
03	MW-4		10:20			X		X	X																
04	MW-5		8:20			X		X	X																
05	MW-6		8:35			X		X	X																
06	MW-7	↓	9:15	↓	↓	X		X	X																
																									5.4°C

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Aron Lindgren	(Sample cust)	10/27/06	1400
Relinquished by: (Signature)	Received by: (Signature)	Date: 10/30/06	Time: 1330
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time

05/02/06 Revision

Q&O Graphic (714) 898-9702

WELLHEAD INSPECTION CHECKLIST

Client Shell Date 10/27/06

Site Address 11989 Dublin Blvd, Dublin

Job Number 061027-AL1 Technician Adam Lindgren

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-2	✓	✓	✓							
MW-3	✓	✓	✓							
MW-4		✓	✓							✓
MW-5	✓	✓	✓							
MW-6	✓	✓	✓							
MW-7	✓	✓	✓							

NOTES: MW-6; NO tag

MW-4; apron loose, 1/2 bolts stripped

Repair Data Sheet

Client Shell Date 10-3-06

Site Address 11989 Dublin Blvd., Dublin

Job Number 061003AA5 Technician Andrew Adinolfi

Inspection Point (Well ID or description of location)	Check Indicates deficiency																Deficiency Logged on Repair Order	Deficiency Remains Uncorrected/Logged on Site Inspection Checklist	Partial Repair Completed/Outstanding Deficiency Logged on Repair Order	All Repairs Completed
	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Securable by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency	Not Securable by Design (greater than 12" diameter)	Well Not Inspected (explain in notes)				
MW-5																				
Notes: Tag well																				
Notes:																				
Notes:																				
Notes:																				
Notes:																				
Notes:																				

WELL GAUGING DATA

Project # 061027-AL Date 10/27/06 Client Shell

Site 11989 Dublin Blvd. Dublin CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or (TOC)	~~Notes~~ order
MW-2	7:55	4					~~23.08~~ 23.41	32.54		4
MW-3	7:57	4					23.41 ~~23.08~~	~~32.63~~ ~~32.54~~		2
MW-4	10:06	2	gauged out of order, traffic.				26.41	34.96		3
MW-5	7:41	2					25.57	31.89		1
MW-6	7:44	2					26.41	29.59		1
MW-7	~~7:49~~	2					31.97	69.33	↓	1

SHELL WELL MONITORING DATA SHEET

BTS #: 061027-AL7	Site: 98995328
Sampler: A Lindgren	Date: 10/27/06
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 32.54	Depth to Water (DTW): 23.08
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.97	

Purge Method: 1.46
- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible ✓
- Waterra
- Peristaltic
- Extraction Pump
- Other ____

Sampling Method:
- Bailer ✓
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: ____

6.1 (Gals.) X 3 = 18.3 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
10:52	67.3	6.8	883	38	6.1	odor
10:53	68.2	6.7	871	69	12.2	
10:54	68.5	6.7	881	343	18.3	
Not @	80%	DTW:	29.31			

Did well dewater? Yes (No) Gallons actually evacuated: 18.3

Sampling Date: 10/27/06 Sampling Time: 11:15 Depth to Water: 23.67

Sample I.D.: MW-2 Laboratory: STL Other ____

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 061027-AL1	Site: 9899 5328
Sampler: A Lindgren	Date: 10/27/06
Well I.D.: MW-3	Well Diameter: ~~2~~ 3 (4) 6 8 ____
Total Well Depth (TD): 32.62	Depth to Water (DTW): 23.41
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 25.25	

Purge Method: 9.21
- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible ✓
- Waterra
- Peristaltic
- Extraction Pump
- Other ____

Sampling Method:
- Bailer ✓
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: ____

(6) ~~+5~~ (3) ~~3~~ (18) ~~4.5~~

~~6~~ (Gals.) X ~~3~~ = ~~18~~ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
9:51	64.9	6.7	1104	57	6	
9:52	66.2	6.7	1101	34	12	
well dewatered @			15 gal	DTW: 30.67		
11:04	67.2	6.8	1074	24	-	

Did well dewater? (Yes) No — Gallons actually evacuated: 15

Sampling Date: 10/27/06 — Sampling Time: 11:05 — Depth to Water: 25.19

Sample I.D.: MW-3 — Laboratory: STL Other ____

Analyzed for: TPH-G BTEX MTBE TPH-D — Other:

EB I.D. (if applicable): @ Time — Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D — Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 061027-AL1	Site: 98995328
Sampler: A Lindgren	Date: 10/27/06
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 34.96	Depth to Water (DTW): 24.61
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer ↖ (10.35)
Disposable Bailer
Positive Air Displacement
Electric Submersible
Waterra
Peristaltic
Extraction Pump
Other_____

Sampling Method: Bailer ↖
Disposable Bailer
Extraction Port
Dedicated Tubing
Other: _____

1.7 (Gals.) X	3	= 5.1 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
10:12	69.3	6.7	1070	908	1.75	
10:14	66.6	6.6	1130	>1000	3.50	
10:16	66.8	6.6	1141	>1000	5.25	

Did well dewater? Yes (No) Gallons actually evacuated: 5.25

Sampling Date: 10/27/06 Sampling Time: 10:20 Depth to Water: 32.98

Sample I.D.: MW-4 Laboratory: STL Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 061027-AL1	Site: 98995328
Sampler: A Lindgren	Date: 10/27/06
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 31.89	Depth to Water (DTW): 25.57
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 26.83	

Purge Method: 6.32
- Bailer X
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- Bailer X
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

1 (Gals.) X 3 = 3 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
8:12	63.7	6.3	1251	> 1000	1	clear
8:14	66.3	6.5	1191	> 1000	2	"
8:16	66.8	6.5	1188	> 1000	3	"

Did well dewater? Yes (No) Gallons actually evacuated: 3

Sampling Date: 10/27/06 Sampling Time: 8:20 Depth to Water: 25.76

Sample I.D.: MW-5 Laboratory: STL Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 061027-AL1	Site: 98995328
Sampler: A Lindgren	Date: 10/27/06
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 29.59	Depth to Water (DTW): 26.41
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 27.04	

Purge Method: 3.18
- Bailer X
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- Bailer X
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

.5 (Gals.) X 3 = 1.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
8:31	62.9	6.7	1161	> 1000	.5	
8:32	64.8	6.7	1152	> 1000	1	
8:33	65.3	6.7	1152	> 1000	1.5	

Did well dewater? Yes (No) Gallons actually evacuated: 1.5

Sampling Date: 10/27/06 Sampling Time: 8:35 Depth to Water: 26.58

Sample I.D.: MW-6 Laboratory: STL Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 060127-AC-1	Site: 98995328
Sampler: A Lindgren	Date: 10/27/06
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 69.33	Depth to Water (DTW): 31.97
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 39.44	

Purge Method: 37.36
- Bailer
- Disposable Bailer
- Positive Air Displacement X
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- Bailer X
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other:_____

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

6 (Gals.) X 3 = 18 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
9:01	61.6	7.0	853	> 1000	6	
9:07	63.4	7.0	921	728	12	
9:12	63.9	7.0	920	369	18	

Did well dewater? Yes (No) Gallons actually evacuated: 18

Sampling Date: 10/27/06 Sampling Time: 9:15 Depth to Water: 32.02

Sample I.D.: MW-7 Laboratory: STL Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV