HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

July 7, 2005

Ms. Misty Kaltreider
Solano County Department of Resource Management
675 Texas Street, Suite 5500
Fairfield, California 94533

Subject: **Transmittal of Quarterly Monitoring Report**
Second Quarter 2005
Beacon Station No. 3699
921 Merchant Street, Vacaville, California

Ms. Kaltreider:

At the request of Ultramar Inc. Horizon Environmental Inc. (Horizon) is forwarding the enclosed *Quarterly Groundwater Monitoring Report* dated July 7, 2005. The report documents second quarter 2005 groundwater monitoring at the subject site.

Please call Horizon at 916-939-2170 if you have any questions or require additional information.

Sincerely,
HORIZON ENVIRONMENTAL INC.

Karen P. Liptak
Staff Geologist

Enclosure

cc: Mr. Joe Aldridge, Ultramar Inc.
Mr. Jim Barton, Regional Water Quality Control Board

4970 Windplay Drive, #C5 • El Dorado Hills, CA 95762 • (916) 939-2170 • FAX (916) 939-2172
P.O. Box 5283 • Bakersfield, CA 93388 • (661) 589-8389 • FAX (661) 589-1456

HORIZON ENVIRONMENTAL INC.
Specialists in Site Assessment, Remedial Testing, Design and Operation

July 7, 2005

Mr. Joe Aldridge
Ultramar Inc.
685 West Third Street
Hanford, CA 93230

Subject: **Quarterly Groundwater Monitoring Report**
Second Quarter 2005
Former Beacon Station No. 3699
921 Merchant Street, Vacaville, California

Mr. Aldridge:

Horizon Environmental Inc. (Horizon) has prepared this report documenting results of second quarter 2005 groundwater monitoring at the subject site located in Solano County as shown on Figure 1. There are currently seven groundwater monitoring wells (MW-3 through MW-9) associated with the site as shown on Figure 2.

Groundwater Monitoring

Groundwater monitoring activities were conducted by Doulos Environmental Company (Doulos) on May 5, 2005 according to Ultramar Inc. (Ultramar) Field Procedures (Attachment A). Monitoring activities included measurement of static groundwater level, purging groundwater from the wells, collection of groundwater samples, and preparation and delivery of the samples to the analytical laboratory.

The depth to groundwater in the monitoring wells was measured to the nearest 0.01 foot from the top-of-casing (TOC). The physical parameters of conductivity, pH and temperature were monitored with field instrumentation during the purging process. Field groundwater level and purge data were recorded on the Doulos Groundwater Level Data and Sampling Information Sheets (Attachment B).

Groundwater samples were collected from monitoring wells MW-3 through MW-9 and submitted, under chain-of-custody documentation, to Kiff Analytical LLC (Kiff), a California-certified analytical laboratory (ELAP No. 2236) located in Davis, California. The groundwater samples were analyzed for: total petroleum hydrocarbons as gasoline (TPHg); the volatile aromatic compounds benzene, toluene, ethylbenzene and total xylenes (BTEX); and the fuel oxygenate methyl-t-butyl ether (MTBE) by Environmental Protection Agency (EPA) Method 8260B.

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Groundwater Monitoring Results

Depth-to-groundwater measurements were subtracted from the surveyed TOC elevations to calculate groundwater elevations as summarized in Table 1. Groundwater elevation data was used to construct a groundwater elevation contour map (Figure 2).

Groundwater analytical results for TPHg, BTEX and MTBE are summarized in Table 1. The analytical report is contained in Attachment C. Historical groundwater monitoring data are contained in Attachment D.

GeoTracker Electronic Data Deliverables

The analytical electronic data deliverable (EDD) is uploaded by Kiff. The groundwater well measurement EDD (GEO_WELL) for this quarterly monitoring event has been uploaded by Horizon. The GEO_WELL file upload confirmation sheet is contained in Attachment E.

Recommendations

Horizon is preparing a Site Closure Request report for this site. Horizon shall recommend that the site be closed as a low-risk groundwater site.

Report Distribution

We recommend a copy of this report be forwarded to:

Ms. Misty Kaltreider
Solano County Department of Resource Management
675 Texas Street, Suite 5500
Fairfield, California 94533

Mr. Jim Barton
Regional Water Quality Control Board
Central Valley Region
11020 Sun Center Drive, #200
Rancho Cordova, California 95670

If you have any questions or require additional information, call Horizon at (916) 939–2170.

Sincerely,
HORIZON ENVIRONMENTAL INC.

REGISTERED GEOLOGIST
REXFORD K SMITH
No. 5307
Exp 8/05
STATE OF CALIFORNIA

Rexford K. Smith
Professional Geologist No. 5307

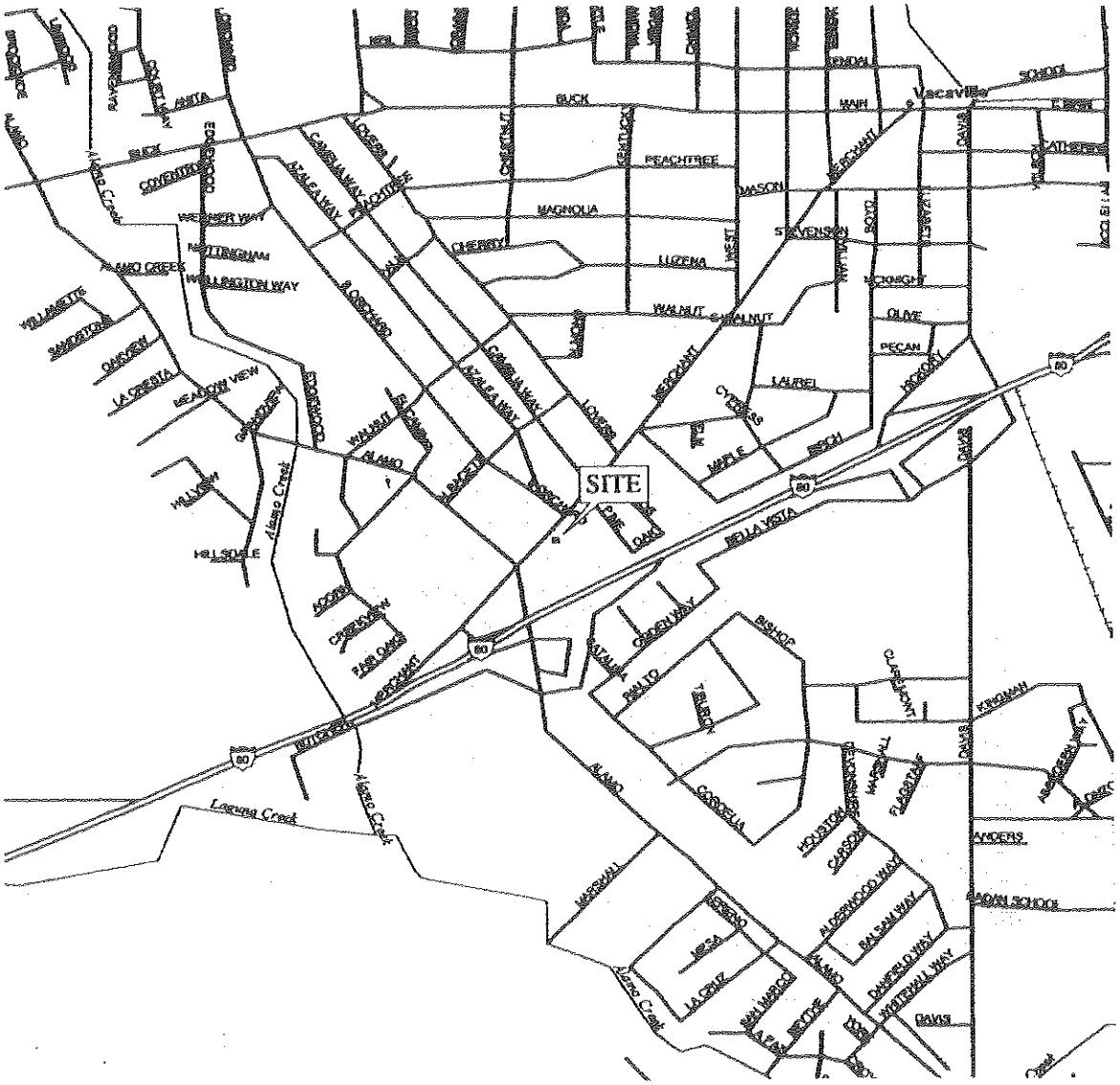
Karen P. Liptak
Staff Geologist

Attachments:

Figure 1. Site Vicinity Map
Figure 2. Site Plan / Groundwater Elevation Contour Map

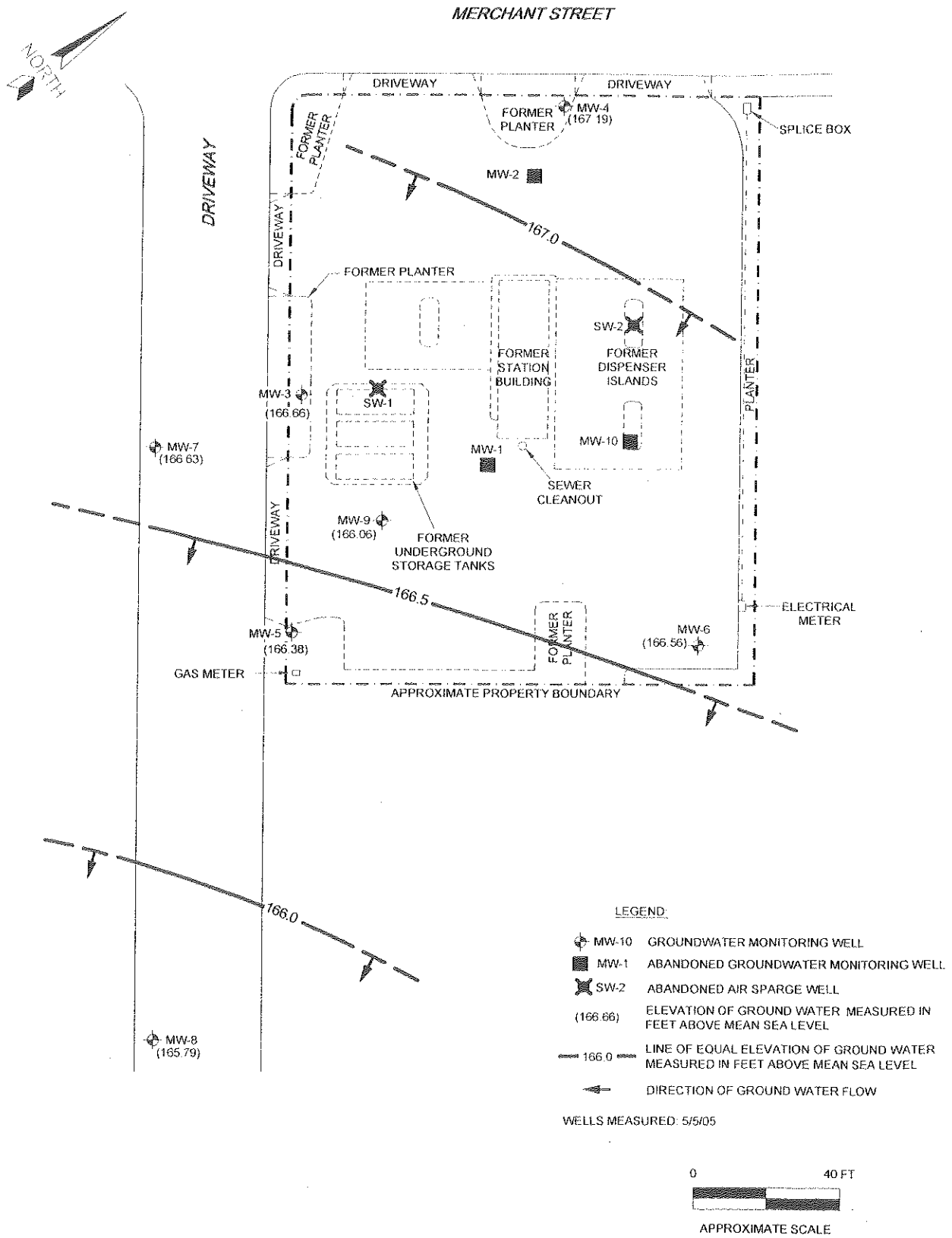
Table 1. Groundwater Monitoring Data

Attachment A: Ultramar Inc. Field Procedures
Attachment B: Doulos Sampling Information Sheets
Attachment C: Analytical Report
Attachment D: Historical Groundwater Monitoring Data
Attachment E: GEO_WELL Electronic Data Deliverable Confirmation Sheet



Source: Figure Modified From Street Atlas USA, Delorme (1995).

HORIZON ENVIRONMENTAL INC.		SITE VICINITY MAP FORMER BEACON STATION 3699 921 Merchant Street Vacaville, California	FIGURE 1
Project Number: 1699.45 Prepared by: K. Liptak Reviewed by: R. Smith	Drawn By: D. Alston Date: 2/96 Revised Date:		



HORIZON ENVIRONMENTAL INC.

Project Number: 1699.46 Prepared By: K. Liptak Reviewed By: R. Smith	Drawn By: M. LaCoste Date: 6/16/05 Revised Date: 6/28/05	SITE PLAN/ GROUND WATER CONTOUR MAP FORMER BEACON STATION NO. 3699 921 MERCHANT STREET VACAVILLE, CALIFORNIA

FIGURE

2

TABLE 1
GROUNDWATER MONITORING DATA
Fomer Beacon Station No. 3699, Vacaville, California

Well Number	Date	TPHg (ppb)	benzene (ppb)	toluene (ppb)	ethylbenzene (ppb)	xylenes (ppb)	MTBE (ppb)	Depth to GW (feet)	TOC Elevation (feet msl)	GW Elevation (feet msl)	Comments
MW-1	01/26/98	300	0.51	1.4	7.5	12	330	9.52	99.87	90.35	odor, no sheen
screened	05/05/98	77	<0.50	<0.50	<0.50	<0.50	20	9.37		90.5	petroleum odor, no sheen
interval	07/22/98	<50	<0.50	<0.50	<0.50	<0.50	21	21.02		78.85	petroleum odor, no sheen
10-25'	11/11/98	<50	<0.50	<0.50	<0.50	<0.50	8	15.91		83.96	slight odor, no sheen
	12/14/98	ns	ns	ns	ns	ns	ns	nm	99.84		new survey
	01/27/99	<50	<0.50	<0.50	<0.50	<0.50	20	11.34		88.5	slight odor, no sheen
	05/21/99	na	<0.50	<0.50	<0.50	<0.50	67	10.27		89.57	slight odor, no sheen
	08/16/99	<50	<0.50	<0.50	<0.50	<0.50	77	15.41		84.43	slight odor, no sheen
	11/17/99	<50	<0.50	<0.50	<0.50	<0.50	43	13.85		85.99	
	03/06/00	<50	<0.50	<0.50	<0.50	<0.50	6.9	7.96		91.88	
	05/09/00	<50	<0.50	<0.50	<0.50	<0.50	7.4	10.11		89.73	sample clear
	08/21/00	<50	<0.50	<0.50	<0.50	<0.50	24	13.03		86.81	sample clear
	10/27/00	<50	<0.50	<0.50	<0.50	<0.50	17	13.46		86.38	
	12/20/00	--	--	--	--	--	--	--		--	well destroyed
MW-2	01/26/98	<50	<0.50	<0.50	<0.50	<0.50	6.6	8.06	98.66	90.6	odor, no sheen
screened	05/05/98	<50	<0.50	<0.50	<0.50	<0.50	<5.0	7.76		90.9	petroleum odor, no sheen
interval	07/22/98	<50	<0.50	<0.50	<0.50	<0.50	8.8	9.56		89.1	petroleum odor, no sheen
10-25'	11/11/98	<50	<0.50	<0.50	<0.50	<0.50	<5.0	11.13		87.53	slight odor, no sheen
	12/14/98	ns	ns	ns	ns	ns	ns	nm	98.64		new survey
	01/27/99	<50	<0.50	<0.50	<0.50	<0.50	<5.0	9.84		88.8	slight odor, no sheen
	05/21/99	na	<0.50	<0.50	<0.50	<0.50	<0.50	8.69		89.95	slight odor, no sheen
	08/16/99	<50	2.3	1.1	<0.50	1.4	<5.0	11.3		87.34	slight odor, no sheen
	11/17/99	<50	<0.50	<0.50	<0.50	<0.50	<0.50	12.4		86.24	
	03/06/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	6.4		92.24	
	05/09/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	8.56		90.08	
	08/21/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	11.55		87.09	sample clear
	10/27/00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	12.01		86.63	sample clear
	12/20/00	--	--	--	--	--	--	--		--	well destroyed

TABLE 1
GROUNDWATER MONITORING DATA
Fomer Beacon Station No. 3699, Vacaville, California

Well Number	Date	TPHg (ppb)	benzene (ppb)	toluene (ppb)	ethylbenzene (ppb)	xylenes (ppb)	MTBE (ppb)	Depth to GW (feet)	TOC Elevation (feet msl)	GW Elevation (feet msl)	Comments
MW-3	01/26/98	<50	1.8	<0.50	2.3	3.3	120	9.73	100.05	90.32	no odor, no sheen
screened	05/05/98	<50	<0.50	<0.50	<0.50	<0.50	<5.0	9.48		90.57	no odor, no sheen
interval	07/22/98	51	<0.50	<0.50	<0.50	<0.50	15	11.28		88.77	no odor, no sheen
10-25'	11/11/98	95	<0.50	<0.50	<0.50	<0.50	63	12.4		87.65	no odor, no sheen
	12/14/98	ns	ns	ns	ns	ns	ns	nm	100.07		new survey
	01/27/99	<50	<0.50	<0.50	<0.50	<0.50	250	11.56		88.51	no odor, no sheen
	05/21/99	na	<0.50	<0.50	<0.50	<0.50	8	10.42		89.65	no odor, no sheen
	08/16/99	69	<0.50	<0.50	<0.50	<0.50	14	12.99		87.08	no odor, no sheen
	11/17/99	61	<0.50	<0.50	<0.50	<0.50	97	14.03		86.04	
	03/06/00	<50	<0.50	<0.50	<0.50	<0.50	210	8.16		91.91	
	05/09/00	<50	<0.50	<0.50	<0.50	<0.50	20	10.32		89.75	
	08/21/00	<50	<0.50	<0.50	<0.50	<0.50	12	13.21		86.86	sample clear
	10/27/00	<50	<0.50	<0.50	<0.50	<0.50	21	13.65		86.42	sample clear
	02/12/01	<50	<0.50	<0.50	<0.50	<0.50	10	11.15		88.92	sample clear
	04/16/01	<50	<0.50	<0.50	<0.50	<0.50	5.1	10.82		89.25	sample clear
	07/24/01	<50	<0.50	<0.50	<0.50	<0.50	15	13.85		86.22	sample clear
	11/06/01	<50	<0.50	<0.50	<0.50	<0.50	17	15.22		84.85	sample clear
	01/30/02	<50	<0.50	<0.50	<0.50	<0.50	35	9.91		90.16	sample clear
	05/02/02	<50	<0.50	<0.50	<0.50	<0.50	1.3	11.05	176.66	165.61	sample clear
	07/29/02	<50	<0.50	<0.50	<0.50	<0.50	3.4	13.41		163.25	sample clear
	11/19/02	<50	<0.50	<0.50	<0.50	<0.50	6.3	13.84		162.82	sample clear
	03/03/03	<50	<0.50	<0.50	<0.50	<0.50	0.51	9.94		166.72	sample clear
	05/29/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	10.72		165.94	sample clear
	07/28/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	12.55		164.11	sample clear
	11/05/03	<50	<0.50	<0.50	<0.50	<0.50	0.88	13.80		162.86	sample clear
	02/23/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	9.12		167.54	sample clear
	04/21/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	10.45		166.21	sample clear
	07/12/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	12.84		163.82	sample clear
	11/18/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	12.91		163.75	sample clear
	01/18/05	<50	<0.50	<0.50	<0.50	<0.50	0.63	9.65		167.01	sample clear
	05/05/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	10.00		166.66	sample clear

TABLE 1
GROUNDWATER MONITORING DATA
Fomer Beacon Station No. 3699, Vacaville, California

Well Number	Date	TPHg (ppb)	benzene (ppb)	toluene (ppb)	ethylbenzene (ppb)	xylenes (ppb)	MTBE (ppb)	Depth to GW (feet)	TOC Elevation (feet msl)	GW Elevation (feet msl)	Comments
MW-4	01/26/98	<50	<0.50	<0.50	<0.50	<0.50	<5.0	8.59	99.29	90.7	no odor, no sheen
screened	05/05/98	<50	<0.50	<0.50	<0.50	<0.50	<5.0	8.32		90.97	no odor, no sheen
interval	07/22/98	<50	<0.50	<0.50	<0.50	<0.50	<5.0	10.13		89.16	no odor, no sheen
10-25'	11/11/98	<50	<0.50	<0.50	<0.50	<0.50	<5.0	11.73		87.56	no odor, no sheen
	12/14/98	ns	ns	ns	ns	ns	ns	nm	99.28		new survey
	01/27/99	<50	<0.50	<0.50	<0.50	<0.50	<5.0	10.41		88.87	no odor, no sheen
	05/21/99	na	<0.50	<0.50	<0.50	<0.50	<0.50	9.28		90	no odor, no sheen
	08/16/99	<50	<0.50	<0.50	<0.50	<0.50	<5.0	11.89		87.39	no odor, no sheen
	11/17/99	<50	<0.50	<0.50	<0.50	<0.50	<0.50	12.98		86.3	
	03/06/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	6.98		92.3	
	05/09/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	9.13		90.15	
	08/21/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	12.13		87.15	sample clear
	10/27/00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	12.59		86.69	sample clear
	02/12/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	9.98		89.30	sample clear
	04/16/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	9.65		89.63	sample clear
	07/24/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	12.75		86.53	sample clear
	11/06/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	14.11		85.17	sample clear
	01/30/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	8.69		90.59	sample clear
	05/02/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	9.83	175.93	166.10	sample clear
	07/29/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	12.25		163.68	sample clear
	11/19/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	12.73		163.20	no comment
	03/03/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	8.71		167.22	sample clear
	05/29/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	9.47		166.46	sample clear
	07/28/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	11.31		164.62	sample clear
	11/05/03	ns	ns	ns	ns	ns	ns	12.76		163.17	
	02/23/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	7.88		168.05	sample clear
	04/21/04	ns	ns	ns	ns	ns	ns	9.23		166.70	sample clear
	07/12/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	11.62		164.31	sample clear
	11/18/04	ns	ns	ns	ns	ns	ns	11.70		164.23	not sampled
	01/18/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	8.41		167.52	sample clear
	05/05/05	ns	ns	ns	ns	ns	ns	8.74		167.19	not sampled

TABLE 1
GROUNDWATER MONITORING DATA
Fomer Beacon Station No. 3699, Vacaville, California

Well Number	Date	TPHg (ppb)	benzene (ppb)	toluene (ppb)	ethylbenzene (ppb)	xylenes (ppb)	MTBE (ppb)	Depth to GW (feet)	TOC Elevation (feet msl)	GW Elevation (feet msl)	Comments
MW-5	01/26/98	1300	12	0.78	50	150	83	10.76	100.58	89.82	odor, no sheen
screened	05/05/98	2200	12	0.74	200	100	140	10.6		89.98	petroleum odor, no sheen
interval	07/22/98	3000	11	1.4	60	200	74	22.67		77.91	petroleum odor, no sheen
10-25'	11/11/98	260	1	<0.50	3.1	15	25	20.16		80.42	petroleum odor, no sheen
	12/14/98	ns	ns	ns	ns	ns	ns	nm	100.89		new survey
	01/27/99	730	5.2	0.74	58	64	47	15.17		85.72	slight odor, no sheen, pumping
	05/21/99	na	<10	<10	40	150	1100	11.54		89.35	slight odor, no sheen
	08/16/99	2500	5	1.9	14	29	750	16.68		84.21	slight odor, no sheen
	11/17/99	2800	1.8	<0.50	5.2	16	130	15.08		85.81	
	03/06/00	1800	1.2	<0.50	0.92	24	69	9.26		91.63	
	05/09/00	940	<0.50	<0.50	2.8	13	300	11.39		89.5	
	08/21/00	3300	1.7	<1.0	3.8	9.5	120	14.25		86.64	sample clear
	10/27/00	1800	1.1	<0.50	3.0	11	83	14.66		86.23	sample clear
	02/12/01	900	1.1	<0.50	1.4	3.1	31	12.15		88.74	sample clear
	04/16/01	1300	1.1	<0.50	2.2	3.2	90	11.88		89.01	sample clear
	07/24/01	1800	1.1	<0.50	1.1	2.3	65	14.89		86.00	sample clear
	11/06/01	770	<0.50	<0.50	<0.50	<0.50	19	16.21		84.68	sample clear
	01/30/02	1700	0.63	<0.50	9.9	5.7	16	11.02		89.87	sample clear
	05/02/02	1900	<0.50	<0.50	5.9	5.6	14	12.15	177.50	165.35	sample clear
	07/29/02	1800	0.59	<0.50	2.5	2.3	14	14.50		163.00	sample clear
	11/19/02	1100	<0.50	<0.50	1.4	<0.50	13	14.87		162.63	sample clear
	03/03/03	520	<0.50	<0.50	1.1	0.63	17	11.05		166.45	sample clear
	05/29/03	910	<0.50	<0.50	1.2	1.5	23	11.81		165.69	sample clear
	07/28/03	1100	<0.50	<0.50	<0.50	0.60	10	13.61		163.89	sample clear
	11/05/03	1000	<0.50	<0.50	<0.50	<0.50	5.5	14.79		162.71	sample clear
	02/23/04	250	<0.50	<0.50	<0.50	<0.50	1.8	10.25		167.25	sample clear
	04/21/04	900	<0.50	<0.50	0.69	0.75	7.4	11.55		165.95	sample clear
	07/12/04	1000	<0.50	<0.50	<0.50	<0.50	2.8	13.91		163.59	sample clear
	11/18/04	410	<0.50	<0.50	<0.50	<0.50	1.2	13.99		163.51	sample clear
	01/18/05	290	<0.50	<0.50	<0.50	<0.50	0.64	10.74		166.76	sample clear
	05/05/05	660	<0.50	<0.50	<0.50	<0.50	2.5	11.12		166.38	sample clear

TABLE 1
GROUNDWATER MONITORING DATA
Fomer Beacon Station No. 3699, Vacaville, California

Well Number	Date	TPHg (ppb)	benzene (ppb)	toluene (ppb)	ethylbenzene (ppb)	xylenes (ppb)	MTBE (ppb)	Depth to GW (feet)	TOC Elevation (feet msl)	GW Elevation (feet msl)	Comments
MW-6	01/26/98	<50	<0.50	<0.50	<0.50	<0.50	<5.0	10.47	100.68	90.21	no odor, no sheen
screened	05/05/98	<50	<0.50	<0.50	<0.50	<0.50	<5.0	10.31		90.37	no odor, no sheen
interval	07/22/98	<50	<0.50	<0.50	<0.50	<0.50	<5.0	12.06		88.62	no odor, no sheen
7-22'	11/11/98	<50	<0.50	<0.50	<0.50	<0.50	<5.0	13.51		87.17	no odor, no sheen
	12/14/98	ns	ns	ns	ns	ns	ns	nm	100.66		new survey
	01/27/99	<50	<0.50	<0.50	<0.50	<0.50	<5.0	12.26		88.4	no odor, no sheen
	05/21/99	na	<0.50	<0.50	<0.50	<0.50	<0.50	11.23		89.43	no odor, no sheen
	08/16/99	<50	<0.50	<0.50	<0.50	<0.50	<5.0	16.35		84.31	no odor, no sheen
	11/17/99	<50	<0.50	<0.50	<0.50	<0.50	<0.50	14.74		85.92	
	03/06/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	8.93		91.73	
	05/09/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	11.04		89.62	
	08/21/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	13.95		86.71	sample clear
	10/27/00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	14.32		86.34	sample clear
	02/12/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	11.75		88.91	sample clear
	04/16/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	11.56		89.10	sample clear
	07/24/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	14.55		86.11	sample clear
	11/06/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	15.87		84.79	sample clear
	01/30/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	10.69		89.97	sample clear
	05/02/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	11.81	177.35	165.54	sample clear
	07/29/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	14.16		163.19	sample clear
	11/19/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	14.55		162.80	sample clear
	03/03/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	10.72		166.63	sample clear
	05/29/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	11.50		165.85	sample clear
	07/28/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	13.27		164.08	sample clear
	11/05/03	ns	ns	ns	ns	ns	ns	14.52		162.83	
	02/23/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	9.90		167.45	sample clear
	04/21/04	ns	ns	ns	ns	ns	ns	11.25		166.10	sample clear
	07/12/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	13.57		163.78	sample clear
	11/18/04	ns	ns	ns	ns	ns	ns	13.62		163.73	not sampled
	01/18/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	10.40		166.95	sample clear
	05/05/05	ns	ns	ns	ns	ns	ns	10.79		166.56	not sampled

TABLE 1
GROUNDWATER MONITORING DATA
Fomer Beacon Station No. 3699, Vacaville, California

Well Number	Date	TPHg (ppb)	benzene (ppb)	toluene (ppb)	ethylbenzene (ppb)	xylenes (ppb)	MTBE (ppb)	Depth to GW (feet)	TOC Elevation (feet msl)	GW Elevation (feet msl)	Comments
MW-7	01/26/98	<50	<0.50	<0.50	<0.50	<0.50	<5.0	9.84	100.07	90.23	no odor, no sheen
screened	05/05/98	<50	<0.50	<0.50	<0.50	<0.50	<5.0	9.57		90.5	no odor, no sheen
interval	07/22/98	<50	<0.50	<0.50	<0.50	<0.50	<5.0	11.34		88.73	no odor, no sheen
7-22'	11/11/98	<50	<0.50	<0.50	<0.50	<0.50	<5.0	12.88		87.19	no odor, no sheen
	12/14/98	ns	ns	ns	ns	ns	ns	nm	100.07		new survey
	01/27/99	<50	<0.50	<0.50	<0.50	<0.50	<5.0	11.64		88.43	no odor, no sheen
	05/21/99	na	<0.50	<0.50	<0.50	<0.50	<0.50	10.51		89.56	no odor, no sheen
	08/16/99	<50	<0.50	<0.50	<0.50	<0.50	<5.0	13.05		87.02	no odor, no sheen
	11/17/99	<50	<0.50	<0.50	<0.50	<0.50	<0.50	14.15		85.92	
	03/06/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	8.4		91.67	
	05/09/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	10.28		89.79	
	08/21/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	13.25		86.82	sample clear
	10/27/00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	13.71		86.36	sample clear
	02/12/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	11.30		88.77	sample clear
	04/16/01	<50	<0.50	<0.50	<0.50	<0.50	7.9	10.90		89.17	sample clear
	07/24/01	<50	<0.50	<0.50	<0.50	<0.50	0.63	13.70		86.37	sample clear
	11/06/01	<50	<0.50	<0.50	<0.50	<0.50	1.6	15.29		84.78	sample clear
	01/30/02	<50	<0.50	<0.50	<0.50	<0.50	0.97	9.98		90.09	sample clear
	05/02/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	11.09	176.71	165.62	sample clear
	07/29/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	13.28		163.43	sample clear
	11/19/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	13.94		162.77	sample clear
	03/03/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	9.96		166.75	sample clear
	05/29/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	10.75		165.96	sample clear
	07/28/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	12.55		164.16	sample clear
	11/05/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	13.83		162.88	sample clear
	02/23/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	9.40		167.31	sample clear
	04/21/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	10.41		166.30	sample clear
	07/12/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	12.86		163.85	sample clear
	11/18/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	12.97		163.74	sample clear
	01/18/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	9.75		166.96	sample clear
	05/05/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	10.08		166.63	sample clear

TABLE 1
GROUNDWATER MONITORING DATA
Fomer Beacon Station No. 3699, Vacaville, California

Well Number	Date	TPHg (ppb)	benzene (ppb)	toluene (ppb)	ethylbenzene (ppb)	xylenes (ppb)	MTBE (ppb)	Depth to GW (feet)	TOC Elevation (feet msl)	GW Elevation (feet msl)	Comments
MW-8	01/26/98	<50	<0.50	<0.50	<0.50	<0.50	110	8.01	97.5	89.49	no odor, no sheen
screened	05/05/98	<50	<0.50	<0.50	<0.50	<0.50	110	7.84		89.66	no odor / no sheen
interval	07/22/98	290	<0.50	<0.50	<0.50	<0.50	120	9.55		87.95	no odor / no sheen
5-20'	11/11/98	<50	<0.50	<0.50	<0.50	<0.50	<5.0	10.92		86.58	no odor / no sheen
	01/27/99	<50	<0.50	<0.50	<0.50	<0.50	<5.0	9.73		87.77	no odor, no sheen
	05/21/99	na	<0.50	<0.50	<0.50	<0.50	89	8.74		88.76	no odor, no sheen
	08/16/99	<50	<0.50	<0.50	<0.50	<0.50	320	11.16		86.34	no odor, no sheen
	11/17/99	64	<0.50	<0.50	<0.50	<0.50	240	12.12		85.38	
	03/06/00	84	<0.50	<0.50	<0.50	<0.50	77	6.49		91.01	
	05/09/00	71	<0.50	<0.50	<0.50	<0.50	83	8.57		88.93	
	08/21/00	<50	<0.50	<0.50	<0.50	<0.50	120	11.32		86.18	sample clear
	10/27/00	<50	<0.50	<0.50	<0.50	<0.50	3.0	11.87		85.63	sample clear
	02/12/01	<50	<0.50	<0.50	<0.50	<0.50	34	9.20		88.30	sample clear
	04/16/01	81	<0.50	<0.50	<0.50	<0.50	58	9.04		88.46	sample clear
	07/24/01	<50	<0.50	<0.50	<0.50	<0.50	29	11.92		85.58	sample clear
	11/06/01	69	<0.50	<0.50	<0.50	<0.50	31	13.21		84.29	sample clear
	01/30/02	69	<0.50	<0.50	<0.50	<0.50	25	8.19		89.31	sample clear
	05/02/02	75	<0.50	<0.50	<0.50	<0.50	22	9.28	174.10	164.82	sample clear
	07/29/02	<50	<0.50	<0.50	<0.50	<0.50	14	11.52		162.58	sample clear
	11/19/02	72	<0.50	<0.50	<0.50	<0.50	7.3	11.88		162.22	sample clear
	03/03/03	57	<0.50	<0.50	<0.50	<0.50	5.4	8.23		165.87	sample clear
	05/29/03	60	<0.50	<0.50	<0.50	<0.50	4.7	8.97		165.13	sample clear
	07/28/03	<50	<0.50	<0.50	<0.50	<0.50	7.5	10.66		163.44	sample clear
	11/05/03	<50	<0.50	<0.50	<0.50	<0.50	7.0	11.66		162.44	sample clear
	02/23/04	<50	<0.50	<0.50	<0.50	<0.50	0.82	7.44		166.66	sample clear
	04/21/04	69	<0.50	<0.50	<0.50	<0.50	2.4	8.72		165.38	sample clear
	07/12/04	<50	<0.50	<0.50	<0.50	<0.50	2.2	10.96		163.14	sample clear
	11/18/04	<50	<0.50	<0.50	<0.50	<0.50	2.1	10.98		163.12	sample clear
	01/18/05	<50	<0.50	<0.50	<0.50	<0.50	0.64	7.91		166.19	sample clear
	05/05/05	<50	<0.50	<0.50	<0.50	<0.50	1.0	8.32		165.78	sample clear

TABLE 1
GROUNDWATER MONITORING DATA
Fomer Beacon Station No. 3699, Vacaville, California

Well Number	Date	TPHg (ppb)	benzene (ppb)	toluene (ppb)	ethylbenzene (ppb)	xylenes (ppb)	MTBE (ppb)	Depth to GW (feet)	TOC Elevation (feet msl)	GW Elevation (feet msl)	Comments
MW-9	12/14/98	810	0.51	0.75	0.59	1.9	13		99.79		new survey
screened	01/27/99	58	<0.50	<0.50	<0.50	<0.50	<5.0	11.28		88.51	no odor, no sheen
interval	05/21/99	na	<0.50	<0.50	7.6	0.74	430	10.29		89.5	no odor, no sheen
5-25'	08/16/99	690	<0.50	<0.50	0.76	<0.50	670	12.82		86.97	no odor, no sheen
	11/17/99	450	<0.50	<0.50	<0.50	<0.50	340	13.87		85.92	
	03/06/00	<50	<0.50	<0.50	<0.50	<0.50	34	8.05		91.74	
	05/09/00	<50	<0.50	<0.50	<0.50	<0.50	56	10.17		89.62	
	08/21/00	130	<0.50	<0.50	<0.50	<0.50	110	13.04		86.75	sample clear
	10/27/00	<50	<0.50	<0.50	<0.50	<0.50	34	13.48		86.31	sample clear
	02/12/01	<50	<0.50	<0.50	<0.50	<0.50	23	11.15		88.64	sample clear
	04/16/01	<50	<0.50	<0.50	<0.50	<0.50	25	10.65		89.14	sample clear
	07/24/01	<50	<0.50	<0.50	<0.50	<0.50	31	13.68		86.11	sample clear
	11/06/01	<50	<0.50	<0.50	<0.50	<0.50	11	15.01		84.78	sample clear
	01/30/02	850	<0.50	<0.50	<0.50	<0.50	8.7	9.69		90.10	sample clear
	05/02/02	250	<0.50	<0.50	<0.50	<0.50	4.9	10.81	176.30	165.49	sample clear
	07/29/02	<50	<0.50	<0.50	<0.50	<0.50	16	13.15		163.15	
	11/19/02	<50	<0.50	<0.50	<0.50	<0.50	2.4	13.56		162.74	sample clear
	03/03/03	<50	<0.50	<0.50	<0.50	<0.50	2.0	9.70		166.60	sample clear
	05/29/03	<50	<0.50	<0.50	<0.50	<0.50	1.4	10.46		165.84	sample clear
	07/28/03	210	<0.50	<0.50	<0.50	<0.50	16	12.28		164.02	sample clear
	11/05/03	<50	<0.50	<0.50	<0.50	<0.50	9.3	13.55		162.75	sample clear
	02/23/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	8.89		167.41	sample clear
	04/21/04	250	<0.50	<0.50	<0.50	<0.50	5.7	10.24		166.06	sample clear
	07/12/04	150	<0.50	<0.50	<0.50	<0.50	5.5	12.56		163.74	sample clear
	11/18/04	72	<0.50	<0.50	<0.50	<0.50	<0.50	12.62		163.68	sample clear
	01/18/05	<50	<0.50	<0.50	<0.50	<0.50	0.76	9.41		166.89	sample clear
	05/05/05	150	<0.50	<0.50	<0.50	<0.50	1.3	9.67		166.63	sample clear

TABLE 1
GROUNDWATER MONITORING DATA
Fomer Beacon Station No. 3699, Vacaville, California

Well Number	Date	TPHg (ppb)	benzene (ppb)	toluene (ppb)	ethylbenzene (ppb)	xylenes (ppb)	MTBE (ppb)	Depth to GW (feet)	TOC Elevation (feet msl)	GW Elevation (feet msl)	Comments
MW-10	12/14/98	350	3.4	0.88	<0.50	0.83	<5.0		99.12		new survey
screened	01/27/99	<50	<0.50	<0.50	<0.50	<0.50	7.9	10.54		88.58	no odor, no sheen
interval	05/21/99	na	<0.50	<0.50	<0.50	<0.50	15	9.45		89.67	no odor, no sheen
5-25'	08/16/99	<50	<0.50	<0.50	<0.50	<0.50	<5.0	14.61		84.51	no odor, no sheen
	11/17/99	<50	<0.50	<0.50	<0.50	<0.50	0.92	13.04		86.08	
	03/06/00	<50	<0.50	<0.50	<0.50	<0.50	8.3	7.15		91.97	
	05/09/00	<50	<0.50	<0.50	<0.50	<0.50	27	9.3		89.82	
	08/21/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	12.24		86.88	sample clear
	10/27/00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	12.64		86.48	sample clear
	12/20/00	--	--	--	--	--	--	--		--	well destroyed

Notes:
TPHg = total petroleum hydrocarbons as gasoline
MTBE = methyl tert-butyl ether
GW = groundwater
TOC = top of casing
msl = mean sea level

< = less than indicated reporting limit
ns = not sampled
nm = not measured

ATTACHMENT A

ULTRAMAR INC. FIELD PROCEDURES

ATTACHMENT A - ULTRAMAR FIELD PROCEDURES

The following section describes procedures used by field personnel in the performance of ground water sampling at Ultramar Inc. sites.

Ground Water Level and Total Depth Determination

A water level indicator is lowered down the well and a measurement of the depth to water from an established reference point on the casing is taken. The indicator probe is used to sound the bottom of the well and a measurement of the total depth of the well is taken. Both the water level and total depth measurements are taken to the nearest 0.01-foot.

Visual Analysis of Ground Water

Prior to purging and sampling ground water monitoring wells, a water sample is collected from each well for subjective analysis. The visual analysis involves gently lowering a clean, disposable, polyethylene bailer to approximately one-half the bailer length past the water table interface. The bailer is then retrieved, and the sample contained within the bailer is examined for floating product or the appearance of a petroleum product sheen. If measurable free product is noted in the bailer, a water/product interface probe is used to determine the thickness of the free product to the nearest 0.01-foot. The thickness of free product is determined by subtracting the depth to product from the depth to water.

Monitoring Well Purging and Sampling

Monitoring wells are purged by removing approximately four casing volumes of water from the well using a clean disposable bailer or electrical submersible purge pump. Purge volumes are calculated prior to purging. During purging, the temperature, pH, and electric conductivity of the purge water are monitored. The well is considered to be sufficiently purged when: The four casing volumes have been removed; the temperature, pH, and conductivity values have stabilized to within 10% of the initial readings; and the ground water being removed is relatively free of suspended solids. After purging, ground water levels are allowed to stabilize to within 80% of the initial water level reading. A water sample is then collected from each well with a clean, disposable polyethylene bailer. If the well is bailed or pumped dry prior to removing the minimum volume of water, the ground water is allowed to recharge. If the well has recharged to within 80% of the initial depth to water reading within two hours, the well will continue to be purged until the minimum volume of water has been removed. If the well has not recharged to at least 80% of the initial depth to water reading within two hours, the well is considered to contain formational water and a ground water sample is collected. Ground water removed from the well is stored in 55-gallon drums at the site and labeled pending disposal.

In wells where free product is detected, the wells will be bailed to remove the free product. An estimate of the volume of product and water well be recorded. If the free product thickness is reduced to the point where a measurable thickness is no longer present in the well, a ground water sample will be collected. If free product persists throughout the purging process, a final free product thickness measurement will be taken and a ground water sample will not be collected.

Ground water samples are stored in 40-milliliter vials so that air passage through the sample is minimized (to prevent volatilization of the sample). The vial is tilted and filled slowly until an upward convex meniscus forms over the mouth of the vial. The Teflon™ side of the septum (in cap) is then placed against the meniscus, and the cap is screwed on tightly. The sample is then inverted and the bottle is tapped lightly to check for air bubbles. If an air bubble is present in the vial, the cap is removed and more sample is transferred from the bailer. The vial is then resealed and rechecked for air bubbles. The sample is then appropriately labeled and stored on ice from the time of collection through the time of delivery to the laboratory. The Chain-of-Custody form is completed to ensure sample integrity. Ground water samples are transported to a state-certified laboratory and analyzed within the U.S. Environmental Protection Agency-specified hold times for the specified analytes.

ATTACHMENT B

DOULOS SAMPLING

INFORMATION SHEETS

DOULOS ENVIRONMENTAL, INC.
GROUNDWATER/LIQUID LEVEL DATA
(measurements in feet)

Project Address: Beacon # 3699 921 Merchant 153 E. 11th St.
Vacaville, Ca.

Date: 5-5-05

Recorded by:

Project No.: 3699-69

Well No.	Time	Well Elev. TOC	Depth to Groundwater	Measured Total Depth	Groundwater Elevation	Depth to Product	Product Thickness	Comments
MW-3	9:55		10.00	25.35				
MW-4	10:00		8.74	25.30				
MW-5	9:50		11.12	24.23				
MW-6	10:08		10.79	22.07				
MW-7	9:35		10.08	27.70				
MW-8	9:40		8.32	19.70				
MW-9	10:14		9.67	24.81				

Notes:

DOULOS ENVIRONMENTAL, INC. SAMPLING INFORMATION SHEET

Client: Ultramar

Site: Beacon #3699
921 Merchant
Vacaville, Ca.

Sampling Date: 5-5-05

Project No.:

Well Designation: MW-3

Is setup of traffic control devices required? (NO) YES time: _____ hours
Is there standing water in the well box? (NO) YES
Is top of casing cut level? NO (YES) Above TOC Below TOC
Is well cap sealed and locked? NO (YES) If no, see remarks
Height of well casing riser (in inches): _____ If no, see remarks
Well cover type: 8" or 12" UV ____ 12" EMCO ____ 8" or 12" BK ____ 8" Christy ____
12" Christy ____ 8" M&D ____ 12" M&D ____ 12" DWP ____
12" CNI ____ 36" CNI ____ 12" Pomeco ____ Other: ____
General condition of wellhead assembly: Excellent ____ Good X Fair ____ Poor ____

Purging Equipment: ____ 2" disposable bailer ____ Submersible pump
____ 2" PVC bailer ____ Dedicated bailer
____ 4" PVC bailer X Centrifugal pump
Sampled with: Disposable bailer X Teflon bailer ____ Disposable Tubing ____

Well Diameter: 2" ____ 4" ____ 6" X 8" ____
Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement
Time: 9:55
Depth of well: 23.35
Depth to water: 10.00

Recharge Measurement
Time: 12:10
Depth to water: 11.80

Calculated purge: 78.4
Actual purge: 78.4

Start purge: 11:36 Sampling time: 12:11

Time	Temperature	E.C.	pH	Turbidity	Volume
11:41	72.5	348	7.36		1
11:46	72.8	317	7.31		2
11:54	73.1	305	7.28		3
12:03	73.4	280	7.25		4

Sample appearance: Clear Lock: NA

Equipment replaced: (check all that apply) Note condition of replaced item(s)
2" Locking Cap: ____ Lock: ____ 7/32 Allenhead: ____
4" Locking Cap: ____ Lock-Dolphin: ____ 9/16 Bolt: ____
6" Locking Cap: ____ Pinned Allenhead (DWP): ____

Remarks: ____

Signature: ____

DOULOS ENVIRONMENTAL, INC. SAMPLING INFORMATION SHEET

Client: Ultramar

Site: Beacon #3699
921 Merchant
Vacaville, Ca.

Sampling Date: 5-5-05

Project No.:

Well Designation: MW-5

Is setup of traffic control devices required? (NO) YES
Is there standing water in the well box? (NO) YES time: _____ hours
Is top of casing cut level? NO (YES) Above TOC Below TOC
Is well cap sealed and locked? NO (YES) If no, see remarks
Height of well casing riser (in inches): 5 If no, see remarks
Well cover type: 8" or 12" UV ____ 12" EMCO ____ 8" or 12" BK ____ 8" Christy ____
12" Christy ____ 8" M&D ____ 12" M&D ____ 12" DWP ____
12" CNI 24 36" CNI ____ 12" Pomeco ____ Other: ____
General condition of wellhead assembly: Excellent ____ Good X Fair ____ Poor ____

Purging Equipment: ____ 2" disposable bailer ____ Submersible pump
____ 2" PVC bailer ____ Dedicated bailer
____ 4" PVC bailer X Centrifugal pump
Sampled with: Disposable bailer X Teflon bailer ____ Disposable Tubing ____

Well Diameter: 2" ____ 4" ____ 6" X 8" ____
Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement
Time: 9:50
Depth of well: 24.23
Depth to water: 11.12

Recharge Measurement
Time: 11:12
Depth to water: 13.40

Calculated purge: 77.0
Actual purge: 77.0

Start purge: 10:49 Sampling time: 11:13

Time	Temperature	E.C.	pH	Turbidity	Volume
10:52	72.0	502	7.20		1
10:57	72.5	470	7.15		2
11:02	72.8	460	7.12		3
11:10	73.1	453	7.10		4

Sample appearance: Clear Lock: Dolphin

Equipment replaced: (check all that apply) Note condition of replaced item(s)
2" Locking Cap: ____ Lock: ____ 7/32 Allenhead: ____
4" Locking Cap: ____ Lock-Dolphin: ____ 9/16 Bolt: ____
6" Locking Cap: ____ Pinned Allenhead (DWP): ____

Remarks:

Signature:

DOULOS ENVIRONMENTAL, INC. SAMPLING INFORMATION SHEET

Client: Ultramar

Site: Beacon #3699
921 Merchant
Vacaville, Ca.

Sampling Date: 5-5-05

Project No.:

Well Designation: MW-7

Is setup of traffic control devices required? (NO) YES
Is there standing water in the well box? (NO) YES — time: _____ hours
Is top of casing cut level? NO (YES) — Above TOC Below TOC
Is well cap sealed and locked? NO (YES) — If no, see remarks
Height of well casing riser (in inches): 5 — If no, see remarks

Well cover type: 8" or 12" UV ____ 12" EMCO ____ 8" or 12" BK ____ 8" Christy ____
12" Christy X 8" M&D ____ 12" M&D ____ 12" DWP ____
12" CNI ____ 36" CNI ____ 12" Pomeco ____ Other: ____

General condition of wellhead assembly: Excellent ____ Good X Fair ____ Poor ____

Purging Equipment: ____ 2" disposable bailer ____ Submersible pump
____ 2" PVC bailer ____ Dedicated bailer
____ 4" PVC bailer X Centrifugal pump

Sampled with: Disposable bailer X Teflon bailer ____ Disposable Tubing ____

Well Diameter: 2" X 4" ____ 6" ____ 8" ____
Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement
Time: 9:35
Depth of well: 27.70
Depth to water: 10.08

Recharge Measurement
Time: 10:26
Depth to water: 11.40

Calculated purge: 11.2
Actual purge: 11.2

Start purge: 10:20 Sampling time: 10:27

Time	Temperature	E.C.	pH	Turbidity	Volume
10:21	71.5	360	7.41		1
10:22	71.8	310	7.25		2
10:23	72.2	291	7.19		3
10:24	72.4	286	7.17		4

Sample appearance: Clear Lock: Dolphin

Equipment replaced: (check all that apply) Note condition of replaced item(s)
2" Locking Cap: ____ Lock: ____ 7/32 Allenhead: ____
4" Locking Cap: ____ Lock-Dolphin: ____ 9/16 Bolt: ____
6" Locking Cap: ____ Pinned Allenhead (DWP): ____

Remarks:

Signature:

DOULOS ENVIRONMENTAL, INC. SAMPLING INFORMATION SHEET

Client: Ultramar

Site: Beacon #3699
921 Merchant
Vacaville, Ca.

Sampling Date: 5-5-0

Project No.:

Well Designation: MW-8

Is setup of traffic control devices required? NO YES time: _____ hours
Is there standing water in the well box? NO YES
Is top of casing cut level? NO YES Above TOC Below TOC
Is well cap sealed and locked? NO YES If no, see remarks
Height of well casing riser (in inches): 8 If no, see remarks
Well cover type: 8" or 12" UV ____ 12" EMCO ____ 8" or 12" BK ____ 8" Christy ____
12" Christy X 8" M&D ____ 12" M&D ____ 12" DWP ____
12" CNI ____ 36" CNI ____ 12" Pomeco ____ Other: ____
General condition of wellhead assembly: Excellent ____ Good X Fair ____ Poor ____

Purging Equipment: ____ 2" disposable bailer ____ Submersible pump
____ 2" PVC bailer ____ Dedicated bailer
____ 4" PVC bailer X Centrifugal pump
Sampled with: Disposable bailer X Teflon bailer ____ Disposable Tubing ____

Well Diameter: 2" X 4" ____ 6" ____ 8" ____
Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement
Time: 9:40
Depth of well: 19.70
Depth to water: 8.32

Recharge Measurement
Time: 10:41
Depth to water: 10.61

Calculated purge: 7.2
Actual purge: 7.2

Start purge: 10:33 Sampling time: 10:42

Time	Temperature	E.C.	pH	Turbidity	Volume
10:34	71.3	402	7.35		1
10:35	71.6	375	7.26		2
10:36	71.8	362	7.19		3
10:37	72.0	350	7.15		4

Sample appearance: Clear Lock: Dolphin

Equipment replaced: (check all that apply) Note condition of replaced item(s)
2" Locking Cap: ____ Lock: ____ 7/32 Allenhead: ____
4" Locking Cap: ____ Lock-Dolphin: ____ 9/16 Bolt: ____
6" Locking Cap: ____ Pinned Allenhead (DWP): ____

Remarks:

Signature:

DOULOS ENVIRONMENTAL, INC. SAMPLING INFORMATION SHEET

Client: Ultramar

Site: Beacon #3699
921 Merchant
Vacaville, Ca.

Sampling Date: 5-5-05

Project No.:

Well Designation: MW-9

Is setup of traffic control devices required? NO YES
Is there standing water in the well box? NO YES time: _____ hours
Is top of casing cut level? NO YES Above TOC Below TOC
Is well cap sealed and locked? NO YES If no, see remarks
Height of well casing riser (in inches): 6 If no, see remarks
Well cover type: 8" or 12" UV ____ 12" EMCO ____ 8" or 12" BK ____ 8" Christy ____
12" Christy ____ 8" M&D ____ 12" M&D ____ 12" DWP ____
12" CNI X 36" CNI ____ 12" Pomeco ____ Other: ____
General condition of wellhead assembly: Excellent ____ Good X Fair ____ Poor ____

Purging Equipment: ____ 2" disposable bailer ____ Submersible pump
____ 2" PVC bailer ____ Dedicated bailer
____ 4" PVC bailer X Centrifugal pump
Sampled with: Disposable bailer X Teflon bailer ____ Disposable Tubing ____

Well Diameter: 2" ____ 4" X 6" ____ 8" ____
Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement
Time: 10:14
Depth of well: 24.81
Depth to water: 9.67

Recharge Measurement
Time: 12:22
Depth to water: 11.40

Calculated purge: 40
Actual purge: 40

Start purge: 11:20 Sampling time: 12:23

Time	Temperature	E.C.	pH	Turbidity	Volume
11:21	70.8	316	7.04		1
11:23	71.3	299	6.90		2
11:26	71.7	293	6.86		3
11:30	71.8	288	6.85		4

Sample appearance: Clear Lock: Dolphin

Equipment replaced: (check all that apply) Note condition of replaced item(s)
2" Locking Cap: ____ Lock: ____ 7/32 Allenhead: ____
4" Locking Cap: ____ Lock-Dolphin: ____ 9/16 Bolt: ____
6" Locking Cap: ____ Pinned Allenhead (DWP): ____

Remarks:

Signature:

ATTACHMENT C

ANALYTICAL REPORT

KIFF ANALYTICAL LLC

Report Number : 43660
Date : 5/11/2005

Rex Smith
Horizon Environmental
4970 Windplay Drive, Suite 5
El Dorado Hills, CA 95762

Subject : 5 Water Samples
Project Name : Beacon
Project Number : 3699 Vacaville
P.O. Number : 3699-75

Dear Mr. Smith,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 43660

Date : 5/11/2005

Project Name : **Beacon**

Project Number : **3699 Vacaville**

Sample : **MW-3** Matrix : Water Lab Number : 43660-01

Sample Date :5/5/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	5/11/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	5/11/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	5/11/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	5/11/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	5/11/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	5/11/2005
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	5/11/2005
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	5/11/2005

Sample : **MW-5** Matrix : Water Lab Number : 43660-02

Sample Date :5/5/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	5/10/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	5/10/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	5/10/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	5/10/2005
Methyl-t-butyl ether (MTBE)	**2.5**	0.50	ug/L	EPA 8260B	5/10/2005
TPH as Gasoline	**660**	50	ug/L	EPA 8260B	5/10/2005
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	5/10/2005
4-Bromofluorobenzene (Surr)	92.3		% Recovery	EPA 8260B	5/10/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 43660

Date : 5/11/2005

Project Name : **Beacon**

Project Number : **3699 Vacaville**

Sample : **MW-7** Matrix : Water Lab Number : 43660-03

Sample Date :5/5/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	5/10/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	5/10/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	5/10/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	5/10/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	5/10/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	5/10/2005
Toluene - d8 (Surr)	97.8		% Recovery	EPA 8260B	5/10/2005
4-Bromofluorobenzene (Surr)	89.8		% Recovery	EPA 8260B	5/10/2005

Sample : **MW-8** Matrix : Water Lab Number : 43660-04

Sample Date :5/5/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	5/10/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	5/10/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	5/10/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	5/10/2005
Methyl-t-butyl ether (MTBE)	**1.0**	0.50	ug/L	EPA 8260B	5/10/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	5/10/2005
Toluene - d8 (Surr)	98.3		% Recovery	EPA 8260B	5/10/2005
4-Bromofluorobenzene (Surr)	89.7		% Recovery	EPA 8260B	5/10/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 43660

Date : 5/11/2005

Project Name : **Beacon**

Project Number : **3699 Vacaville**

Sample : **MW-9** Matrix : Water Lab Number : 43660-05

Sample Date :5/5/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	5/10/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	5/10/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	5/10/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	5/10/2005
Methyl-t-butyl ether (MTBE)	**1.3**	0.50	ug/L	EPA 8260B	5/10/2005
TPH as Gasoline	**150**	50	ug/L	EPA 8260B	5/10/2005
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	5/10/2005
4-Bromofluorobenzene (Surr)	90.6		% Recovery	EPA 8260B	5/10/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 43660

Date : 5/11/2005

QC Report : Method Blank Data

Project Name : **Beacon**

Project Number : **3699 Vacaville**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/11/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/11/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/11/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/11/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	5/11/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/11/2005
Toluene - d8 (Surr)	98.6		%	EPA 8260B	5/11/2005
4-Bromofluorobenzene (Surr)	94.8		%	EPA 8260B	5/11/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/10/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/10/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/10/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/10/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	5/10/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/10/2005
Toluene - d8 (Surr)	99.3		%	EPA 8260B	5/10/2005
4-Bromofluorobenzene (Surr)	88.2		%	EPA 8260B	5/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St. Suite 300 Davis, CA 95616 530-297-4800

Report Number : 43660

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 5/11/2005

Project Name : **Beacon**

Project Number : **3699 Vacaville**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	43694-05	<0.50	40.0	40.0	40.2	39.5	ug/L	EPA 8260B	5/11/05	100	98.6	1.81	70-130	25
Toluene	43694-05	0.52	40.0	40.0	37.8	38.0	ug/L	EPA 8260B	5/11/05	93.2	93.8	0.610	70-130	25
Tert-Butanol	43694-05	170	200	200	375	375	ug/L	EPA 8260B	5/11/05	103	103	0.136	70-130	25
Methyl-t-Butyl Ether	43694-05	5.1	40.0	40.0	44.0	44.8	ug/L	EPA 8260B	5/11/05	97.1	99.3	2.20	70-130	25
Benzene	43676-01	<0.50	40.0	40.0	42.4	42.3	ug/L	EPA 8260B	5/10/05	106	106	0.217	70-130	25
Toluene	43676-01	<0.50	40.0	40.0	41.0	40.8	ug/L	EPA 8260B	5/10/05	102	102	0.604	70-130	25
Tert-Butanol	43676-01	<5.0	200	200	203	204	ug/L	EPA 8260B	5/10/05	101	102	0.550	70-130	25
Methyl-t-Butyl Ether	43676-01	21	40.0	40.0	61.6	61.2	ug/L	EPA 8260B	5/10/05	100	99.2	0.996	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 43660

Date : 5/11/2005

QC Report : Laboratory Control Sample (LCS)

Project Name : **Beacon**

Project Number : **3699 Vacaville**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	5/11/05	98.8	70-130
Toluene	40.0	ug/L	EPA 8260B	5/11/05	93.4	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/11/05	100	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/11/05	104	70-130
Benzene	40.0	ug/L	EPA 8260B	5/10/05	104	70-130
Toluene	40.0	ug/L	EPA 8260B	5/10/05	103	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/10/05	101	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/10/05	96.8	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St. Suite 300, Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Lab No. 43660 Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): R.Smith

Company/Address: HORIZON

Phone No.: 939-2170 FAX No.: 939-2172

Project Number: 3699 Vacaville P.O. No.: 3699-75

Project Name: Beacon

Sampler Signature (below):

EDF Report? [X] Yes [ ] No

Recommended but not mandatory to complete this section:

Sampling Company Log Code: DEIO

Global ID: T0609500391

EDF Deliverable to (Email Address): rsmith@horizonenvironmental.net

Project Address: Vacaville

Project Address: Edgar Alvarez

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: SLEEVE	Preservative: HCl	Preservative: HNO_3	Preservative: ICE	Preservative: NONE	Matrix: WATER	Matrix: SOIL	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	TAT: 12 hr / 24 hr / 48 hr / 72 hr / 1 wk	For Lab Use Only
MW-3	5-5-05	12:11	3		X		X		X			X			X	X								RUSH	-01
MW-5		11:13																							-02
MW-7		10:27																							-03
MW-8		10:42																							-04
MW-9		12:23																							-05

Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by:
	05-5-05	1845	Received by Laboratory: Kiff Analytical

Remarks:

Bill to: 30E ALDRIDGE

Distribution: White - Lab, Pink - Originator

Forms/coc 121001.fm9

ATTACHMENT D

HISTORICAL GROUNDWATER MONITORING DATA

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #699
921 MERCHANT AVENUE, VACAVILLE, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
MW-1	01/13/92	99.77	14.69	85.08		
	04/06/92		11.64	88.13		
	07/27/92		14.77	85.00		
	02/01/93		8.98	90.79		
	03/24/93		8.88	90.89	24.20	
	06/08/93		9.01	90.76	24.20	
	09/14/93		12.87	86.90	24.16	
	12/09/93		13.42	86.35	24.16	
	03/07/94		11.77	88.00	24.85	
	06/09/94		12.83	86.94	24.85	
	09/06/94		15.17	84.60	24.85	
	12/13/94		12.97	86.80	24.73	
	02/27/95		9.46	90.31	25.09	
	06/07/95		10.27	89.50	24.73	
	09/11/95		13.34	86.43	24.72	
	12/26/95		11.35	88.42	24.72	
	03/19/96		7.91	91.86	24.73	
	06/10/96	99.87	10.36	89.51	24.21	
	09/17/96		22.15	77.72	24.26	
	12/11/96		22.19	77.68	24.27	
	03/12/97		9.66	90.21	24.27	
	05/23/97		22.20	77.67	24.26	
	08/18/97		20.67	79.20	24.27	
	11/06/97		13.71	86.16	24.28	
MW-2	01/13/92	98.66	13.40	85.26		
	04/06/92		10.23	88.43		
	07/27/92		13.44	85.22		
	02/01/93		7.51	91.15		
	03/24/93		7.43	91.23	21.70	
	06/08/93		7.57	91.09	21.67	
	09/14/93		11.43	87.23	21.66	
	12/09/93		11.98	86.68	21.66	
	03/07/94		10.39	88.27	22.83	
	06/09/94		11.46	87.20	22.83	
	09/06/94		13.83	84.83	22.83	
	12/13/94		11.64	87.02	22.71	
	02/27/95		7.99	90.67	24.83	
	06/07/95		8.83	89.83	22.72	
	09/11/95		11.98	86.68	22.76	
	12/26/95		9.94	88.72	22.75	
	03/19/96		6.42	92.24	22.75	
	06/10/96	98.66	8.79	89.87	24.35	
	09/17/96		12.17	86.79	24.39	
	12/11/96		9.60	89.06	24.36	
	03/12/97		8.01	90.65	24.82	
	05/23/97		9.73	88.93	24.83	
	08/18/97		12.24	86.42	24.81	
	11/06/97		13.04	85.62	24.80	

NOTES:
[1] = Measurement and reference elevation taken from notch/mark on top north side of well casing.
[2] = Elevation referenced to arbitrary point on site, assumed elevation 100.00 feet.
Well Depth = Measurement from top of casing to bottom of well.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #699
921 MERCHANT AVENUE, VACAVILLE, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
MW-3	01/13/92	100.59	15.52	85.07		
	04/06/92		12.45	88.14		
	07/27/92		15.58	85.01		
	02/01/93		9.92	90.67		
	03/24/93		9.97	90.62	23.11	Heavy Sheen
	06/08/93		10.26	90.33	23.09	
	09/14/93		13.78	86.81	23.10	
	12/09/93		14.66	85.93	23.10	
	03/07/94		12.57	88.02	23.15	
	06/09/94		13.61	86.98	23.17	
	09/06/94		15.94	84.65	23.17	
	12/13/94		13.78	86.81	23.09	
	02/27/95		10.23	90.36	25.01	
	06/07/95		11.05	89.54	23.10	
	09/11/95		14.11	86.48	23.15	
	12/26/95		12.14	88.45	23.13	
	03/19/96		8.69	91.90	23.12	
	06/10/96	100.05	10.51	89.54	24.34	
	09/17/96		17.53	82.52	24.33	
	12/11/96		22.00	78.05	24.36	
	03/12/97		14.22	85.83	24.36	
	05/23/97		11.70	88.35	24.36	
	08/18/97		18.10	81.95	24.36	
	11/06/97		14.51	85.54	24.36	
MW-4	01/13/92	99.30	13.98	85.32		
	04/06/92		10.83	88.47		
	07/27/92		14.05	85.25		
	02/01/93		8.10	91.20		
	03/24/93		7.99	91.31	25.19	
	06/08/93		8.21	91.09	25.20	
	09/14/93		13.08	86.22	25.20	
	12/09/93		13.11	80.19	25.20	
	03/07/94		10.97	82.33	25.26	
	06/09/94		12.02	81.28	25.28	
	09/06/94		14.44	78.86	25.19	
	12/13/94		12.25	81.05	25.07	
	02/27/95		8.57	90.73	25.21	
	06/07/95		9.39	89.91	25.10	
	09/11/95		12.57	86.73	25.13	
	12/26/95		10.54	88.76	25.13	
	03/19/96		6.98	92.32	25.14	
	06/10/96	99.29	9.36	89.93	25.16	
	09/17/96		12.75	86.54	25.16	
	12/11/96		10.18	89.11	25.14	
	03/12/97		8.57	90.72	25.20	
	05/23/97		10.30	88.99	25.21	
	08/18/97		12.81	86.48	25.20	
	11/06/97		13.62	85.67	25.20	

NOTES:
[1] = Measurement and reference elevation taken from notch/mark on top north side of well casing.
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Well Depth = Measurement from top of casing to bottom of well.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #699
921 MERCHANT AVENUE, VACAVILLE, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
MW-5	01/13/92	101.03	16.11	84.92		
	04/06/92		13.04	87.99		
	07/27/92		16.19	84.84		
	02/01/93		10.46	90.57		
	03/24/93		10.35	90.68	22.22	Heavy Sheen
	06/08/93		11.17	89.86	22.20	
	09/14/93		14.88	86.15	22.22	
	12/09/93		15.25	85.78	22.22	
	03/07/94		13.23	87.80	22.24	
	06/09/94		14.27	86.76	22.77	
	09/06/94		16.58	84.45	22.77	
	12/13/94		14.40	86.63	22.70	
	02/27/95		10.93	90.10	24.04	
	06/07/95		11.74	89.29	22.71	
	09/11/95		14.78	86.25	22.71	
	12/26/95		12.81	88.22	22.72	
	03/19/96		9.45	91.58	22.70	
	06/10/96	100.58	11.58	89.00	24.21	
	09/17/96		22.53	78.05	24.21	
	12/11/96		17.16	83.42	24.20	
	03/12/97		23.00	77.58	24.20	
	05/23/97		21.78	78.80	24.20	
	08/18/97		20.93	79.65	24.20	
	11/06/97		14.98	85.60	24.23	
MW-6	02/01/93	100.68	9.92	90.76		
	03/24/93		9.92	90.76	21.39	Very Silty
	06/08/93		10.11	90.57	21.37	
	09/14/93		13.98	86.70	21.34	
	12/09/93		14.81	85.87	21.34	
	03/07/94		12.75	87.93	21.14	
	06/09/94		13.81	86.87	21.15	
	09/06/94		16.15	84.53	21.13	
	12/13/94		13.93	86.75	21.02	
	02/27/95		10.49	90.19	22.03	
	06/07/95		11.31	89.37	21.02	
	09/11/95		14.37	86.31	21.03	
	12/26/95		12.34	88.34	21.05	
	03/19/96		9.02	91.66	21.07	
	06/10/96		11.31	89.37	21.10	
	09/17/96		14.55	86.13	21.10	
	12/11/96		11.92	88.76	21.13	
	03/12/97		10.54	90.14	22.03	
	05/23/97		12.19	88.49	22.05	
	08/18/97		14.60	86.08	22.04	
	11/06/97		14.35	86.33	22.07	

NOTES:
[1] = Measurement and reference elevation taken from notch/mark on top north side of well casing.
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Well Depth = Measurement from top of casing to bottom of well.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #699
921 MERCHANT AVENUE, VACAVILLE, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
MW-7	02/01/93	100.07	9.25	90.82		
	03/24/93		9.19	90.88	21.33	Very Silty
	06/08/93		9.89	90.18	21.31	
	09/14/93		13.76	86.31	21.33	
	12/09/93		14.23	85.84	21.33	
	03/07/94		12.13	87.94	21.32	
	06/09/94		13.16	86.91	21.34	
	09/06/94		15.52	84.55	21.35	
	12/13/94		13.36	86.71	21.26	
	02/27/95		9.79	90.28	21.76	
	06/07/95		10.59	89.48	21.28	
	09/11/95		13.68	86.39	21.26	
	12/26/95		11.72	88.35	21.24	
	03/19/96		8.25	91.82	21.23	
	06/10/96		10.59	89.48	21.22	
	09/17/96		13.95	86.12	21.28	
	12/11/96		11.36	88.71	21.26	
	03/12/97		9.86	90.21	21.77	
	05/23/97		11.51	88.56	21.72	
	08/18/97		13.97	86.10	21.72	
	11/06/97		14.45	85.62	21.71	
MW-8	02/01/93	97.50	7.47	90.03		
	03/24/93		7.42	90.08	19.77	Very Silty
	06/08/93		7.59	89.91	19.76	
	09/14/93		12.46	85.04	19.74	
	12/09/93		12.13	85.37	19.74	
	03/07/94		10.20	87.30	19.81	
	06/09/94		11.22	86.28	19.82	
	09/06/94		13.46	84.04	19.82	
	12/13/94		11.27	86.23	19.70	
	02/27/95		8.01	89.49	19.77	
	06/07/95		8.81	88.69	22.68	
	09/11/95		11.73	85.77	22.67	
	12/26/95		9.78	87.72	22.67	
	03/19/96		6.61	90.89	22.68	
	06/10/96		8.82	88.68	22.69	
	09/17/96		11.94	85.56	22.70	
	12/11/96		9.36	88.14	22.71	
	03/12/97		8.02	89.48	19.77	
	05/23/97		9.62	87.88	19.73	
	08/18/97		11.99	85.51	19.73	
	11/06/97		12.71	84.79	19.74	

NOTES:
[1] = Measurement and reference elevation taken from notch/mark on top north side of well casing.
[2] = Elevation referenced to arbitrary point on site, assumed elevation 100.00 feet.
Well Depth = Measurement from top of casing to bottom of well.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #699
921 MERCHANT AVENUE, VACAVILLE, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organics				
		Gasoline	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-1	01/13/92	1,700		13	<0.50	31	12
	04/06/92	2,500		22	<0.5	75	15
	07/27/92	170		0.60	0.53	1.0	0.70
	02/01/93	NS		NS	NS	NS	NS
	03/26/93	360		<0.50	<0.50	<0.50	1.1
	06/08/93	740		25	0.96	72	28
	09/14/93	190		2.9	<0.5	<0.5	0.90
	12/09/93	440		11	<0.5	<0.5	24
	03/07/94	560		5.6	<0.5	20	2.1
	06/09/94	460		5.0	<0.5	3.3	7.9
	09/06/94	200		1.0	<0.5	0.62	<0.5
	12/13/94	260		3.0	<0.5	1.3	1.3
	02/27/95	2,800		23	<2.5	170	32
	06/07/95	320		1.8	<0.5	<0.5	<0.5
	09/11/95	260		1.2	<0.50	<0.50	<0.50
	12/26/95	310		1.4	<0.50	0.69	<0.50
	03/19/96	2,300		10	<1.3	88	38
	06/10/96	2,500		5.5	<1.3	39	52
	09/17/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/11/96	680	120	8.9	1.9	7.5	7.7
	03/12/97	420	180	<0.50	<0.50	<0.50	<0.50
	05/23/97	<50	7.8	<0.50	<0.50	<0.50	<0.50
	08/18/97	230	13	<0.50	<0.50	1.9	1.8
	11/06/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
MW-2	01/13/92	3,600		68	5.1	8.5	9
	04/06/92	4,700		30	3.7	39	5.4
	07/27/92	180		5.1	0.79	<0.5	0.53
	02/01/93	NS		NS	NS	NS	NS
	03/26/93	160		<0.5	<0.5	<0.5	<0.5
	06/08/93	620		1.1	<0.5	3.5	0.63
	09/14/93	140		1.1	<0.5	<0.5	<0.5
	12/09/93	360		16	0.94	6.8	5.4
	03/07/94	550		5.3	<0.5	0.96	1.0
	06/09/94	150		<0.5	<0.5	<0.5	<0.5
	09/06/94	120		1.3	<0.5	<0.5	<0.5
	12/13/94	400		6.6	0.54	0.55	6.3
	02/27/95	710		5.2	<0.5	<0.5	<0.5
	06/07/95	280		<0.5	<0.5	<0.5	<0.5
	09/11/95	130		<0.50	<0.50	<0.50	<0.50
	12/26/95	250		1.3	<0.50	<0.50	<0.50
	03/19/96	190		<0.50	<0.50	<0.50	<0.50
	06/10/96	130*		<0.50	<0.50	<0.50	<0.50
	09/17/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/11/96	65	<5.0	<0.50	<0.50	<0.50	<0.50
	03/12/97	76	<5.0	<0.50	<0.50	<0.50	<0.50
	05/23/97	52	<5.0	<0.50	<0.50	<0.50	<0.50
	08/18/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	11/06/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50

NOTES:

MTBE[1] = Methyl-Tertiray-Butyl Ether.
< = Below indicated detection limit.
NS = Not sampled.
* = Product is not typical gasoline.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #699
921 MERCHANT AVENUE, VACAVILLE, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organics				
		Gasoline	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-3	01/13/92	4,900		510	14	64	130
	04/06/92	2,900		100	24	75	74
	07/27/92	3,600		120	3.2	74	58
	02/01/93	NS		NS	NS	NS	NS
	03/26/93	2,300		320	<5.0	<5.0	37
	06/08/93	1,600		82	2.4	140	6.1
	09/14/93	1,400		150	<5.0	200	56
	12/09/93	450		29	1.2	24	2.3
	03/07/94	1,700		70	1.2	140	27
	06/09/94	1,100		35	0.71	47	15
	09/06/94	55		1.2	<0.5	2.6	0.64
	12/13/94	950		75	1.9	51	24
	02/27/95	2,500		53	<2.5	170	46
	06/07/95	3,000		24	<2.5	80	16
	09/11/95	1,500		13	<2.5	20	5.4
	12/26/95	1,100		7.3	<2.5	20	5.6
	03/19/96	2,400		23	3.2	72	36
	06/10/96	490		0.56	<0.50	6.7	7.2
	09/17/96	<50	31	<0.50	<0.50	<0.50	<0.50
	12/11/96	140	25	<0.50	<0.50	<0.50	0.55
	03/12/97	860	140	4.1	<0.50	9.2	42
	05/23/97	82	7.6	<0.50	<0.50	<0.50	1.1
	08/18/97	74	<5.0	<0.50	0.75	<0.50	<0.50
	11/06/97	<50	48	<0.50	<0.50	<0.50	<0.50
MW-4	01/13/92	160		<0.5	<0.5	<0.5	<0.5
	04/06/92	<50		<0.5	<0.5	<0.5	<0.5
	07/27/92	<50		<0.5	<0.5	<0.5	<0.5
	02/01/93	NS		NS	NS	NS	NS
	03/26/93	<50		<0.5	<0.5	<0.5	<0.5
	06/08/93	<50		0.91	0.8	1.3	1.7
	09/14/93	<50		<0.5	<0.5	<0.5	<0.5
	12/09/93	<50		<0.5	<0.5	<0.5	0.92
	03/07/94	<50		<0.5	<0.5	<0.5	<0.5
	06/09/94	<50		<0.5	<0.5	<0.5	<0.5
	09/06/94	<50		<0.5	<0.5	<0.5	<0.5
	12/13/94	<50		<0.5	<0.5	<0.5	<0.5
	02/27/95	<50		<0.5	<0.5	<0.5	<0.5
	06/07/95	<50		<0.5	<0.5	<0.5	<0.5
	09/11/95	<50		<0.50	<0.50	<0.50	<0.50
	12/26/95	<50		<0.50	<0.50	<0.50	<0.50
	03/19/96	<50		<0.50	<0.50	<0.50	<0.50
	06/10/96	<50		<0.50	<0.50	<0.50	<0.50
	09/17/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/11/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	03/12/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	05/23/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	08/18/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	11/06/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50

NOTES:

MTBE[1] = Methyl-Tertiray-Butyl Ether.
< = Below indicated detection limit.
NS = Not sampled.
* = Product is not typical gasoline.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #699
921 MERCHANT AVENUE, VACAVILLE, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organics				
		Gasoline	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-5	01/13/92	21,000		1,900	110	40	590
	04/06/92	35,000		5,000	1,700	1,000	3,100
	07/27/92	39,000		5,400	53	490	770
	02/01/93	NS		NS	NS	NS	NS
	03/26/93	28,000		7,800	220	440	2,600
	06/08/93	18,000		5,400	140	760	1,400
	09/14/93	8,100		4,100	<50	700	370
	12/09/93	7,100		2,000	59	340	470
	03/07/94	4,500		1,500	27	240	330
	06/09/94	4,900		1,300	8.9	230	170
	09/06/94	3,200		1,500	<5.0	170	14
	12/13/94	4,400		1,400	<5.0	220	170
	02/27/95	5,500		2,500	<13	250	250
	06/07/95	4,400		1,500	<13	98	170
	09/11/95	4,200		1,500	<13	58	36
	12/26/95	4,800		1,600	<13	250	310
	03/19/96	3,000		1,000	<13	110	56
	06/10/96	1,900		370	<2.5	55	37
	09/17/96	1,100	210	200	<2.5	65	100
	12/11/96	1,000	200	46	<1.3	<1.3	70
	03/12/97	3,600	570	85	<1.3	140	420
	05/23/97	540	260	17	0.61	10	12
	08/18/97	620	240	28	1.5	19	43
	11/06/97	480	63	5.4	<0.50	36	100
MW-6	02/01/93	510		<0.50	<0.50	2.7	0.73
	03/26/93	<50		<0.50	<0.50	<0.50	<0.50
	06/08/93	98		1.7	0.51	0.89	1.1
	09/14/93	210		<0.5	<0.5	<0.5	<0.5
	12/09/93	83		<0.5	<0.5	<0.5	1.6
	03/07/94	120		<0.5	<0.5	<0.5	0.51
	06/09/94	85		<0.5	<0.5	<0.5	0.52
	09/06/94	<50		<0.5	<0.5	<0.5	<0.5
	12/13/94	<50		<0.5	<0.5	<0.5	<0.5
	02/27/95	100		<0.5	0.77	<0.5	2.3
	06/07/95	84		<0.5	<0.5	<0.5	<0.5
	09/11/95	<50		<0.50	<0.50	<0.50	<0.50
	12/26/95	<50		<0.50	<0.50	<0.50	<0.50
	03/19/96	<50		<0.50	<0.50	<0.50	<0.50
	06/10/96	<50		<0.50	<0.50	<0.50	<0.50
	09/17/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/11/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	03/12/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	05/23/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	08/18/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	11/06/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50

NOTES

MTBE[1] = Methyl-Tertiray-Butyl Ether.
< = Below indicated detection limit.
NS = Not sampled.
* = Product is not typical gasoline

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #699
921 MERCHANT AVENUE, VACAVILLE, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organics				
		Gasoline	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-7	02/01/93	180		<0.5	<0.5	<0.5	0.62
	03/26/93	<50		<0.5	<0.5	<0.5	<0.5
	06/08/93	<50		<0.5	<0.5	<0.5	<0.5
	09/14/93	<50		<0.5	<0.5	<0.5	<0.5
	12/09/93	<50		<0.5	0.98	<0.5	3.0
	03/07/94	<50		<0.5	<0.5	<0.5	<0.5
	06/09/94	<50		<0.5	<0.5	<0.5	<0.5
	09/06/94	<50		<0.5	<0.5	<0.5	<0.5
	12/13/94	<50		<0.5	<0.5	<0.5	<0.5
	02/27/95	<50		<0.5	<0.5	<0.5	<0.5
	06/07/95	<50		<0.5	<0.5	<0.5	<0.5
	09/11/95	<50		<0.50	<0.50	<0.50	<0.50
	12/26/95	<50		<0.50	<0.50	<0.50	<0.50
	03/19/96	<50		<0.50	<0.50	<0.50	<0.50
	06/10/96	<50		<0.50	<0.50	<0.50	<0.50
	09/17/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/11/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	03/12/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	05/23/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	08/18/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	11/06/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
MW-8	02/01/93	5,300		<5.0	<5.0	130	120
	03/26/93	85		<0.5	<0.5	<0.5	<0.5
	06/08/93	750		<0.5	<0.5	21	8.5
	09/14/93	970		<0.5	<0.5	<0.5	<0.5
	12/09/93	530		<0.5	0.56	11	2.1
	03/07/94	130		<0.5	<0.5	2.4	<0.5
	06/09/94	250		<0.5	<0.5	4.9	1.1
	09/06/94	180		<0.5	<0.5	3.4	<0.5
	12/13/94	110		<0.5	<0.5	<0.5	<0.5
	02/27/95	110		<0.5	<0.5	<0.5	<0.5
	06/07/95	160		<0.5	<0.5	<0.5	<0.5
	09/11/95	190*		<0.50	<0.50	<0.50	<0.50
	12/26/95	140*		<0.50	<0.50	<0.50	<0.50
	03/19/96	160		<0.50	<0.50	<0.50	<0.50
	06/10/96	130*		<0.50	<0.50	<0.50	<0.50
	09/17/96	110	140	<0.50	<0.50	<0.50	<0.50
	12/11/96	150	110	<0.50	<0.50	<0.50	<0.50
	03/12/97	330	550	<0.50	<0.50	<0.50	<0.50
	05/23/97	250	130	<0.50	0.65	<0.50	<0.50
	08/18/97	<50	140	<0.50	<0.50	<0.50	<0.50
	11/06/97	<50	170	<0.50	<0.50	<0.50	<0.50

NOTES.
MTBE[1] = Methyl-Tertiray-Butyl Ether.
< = Below indicated detection limit.
NS = Not sampled.
* = Product is not typical gasoline.

TABLE 1

Water Level Measurements
Beacon Station No. 699
921 Merchant Street
Vacaville, California

Monitoring Well	Date	Top of Riser Elevation[a] (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)
MW-1	03/22/91	99.77	12.54	87.23
	07/03/91		13.46	86.31
	10/03/91		15.52	84.25
	11/18/91		15.70	84.07
	01/13/92		14.69	85.08
MW-2	03/22/91	98.66	11.20	87.46
	07/03/91		12.10	86.56
	10/02/91		14.22	84.44
	11/18/91		14.39	84.27
	01/13/92		13.40	85.26
MW-3	03/22/91	100.59	13.41	87.18
	07/03/91		14.29	86.30
	10/03/91		16.34	84.25
	11/18/91		16.54	84.05
	01/13/92		15.52	85.07
MW-4	11/18/91	93.30	14.98	84.32
	01/13/92		13.98	79.32
MW-5	11/18/91	101.03	17.09	83.94
	01/13/92		16.11	84.92

[a] Top of riser elevations surveyed in reference to a designated bench mark with an assumed elevation of 100.00 feet.

Note: Ground water samples prior to 07/03/91 collected by Ground Water Resources, Inc.

TABLE 2

Ground Water Analytical Results
Concentrations in Parts per Billion (ppb)
Beacon Station No. 699
921 Merchant Street
Vacaville, California

Monitoring Well	Date Sampled	Benzene	Toluene	Ethylbenzene	Xylenes	TPH[a]
MW-1	03/22/91	26	5.9	32	41	1,700
	07/03/91	<0.5	4.0	18	9.4	1,200
	10/03/91	8.8	1.6	23	6	1,000
	01/13/92	13	<0.5	31	12	1,700
MW-2	03/22/91	890	12	140	55	4,600
	07/03/91	36	18	140	8.1	8,600
	10/03/91	31	2.9	20	3.8	1,100
	01/13/92	68	5.1	8.5	9.0	3,600
MW-3	03/22/91	1,300	210	540	2,300	17,000
	07/03/91	320	34	250	350	25,000
	10/03/91	150	8.4	43	79	2,600
	01/13/92	510	14	64	130	4,900
MW-4	11/18/91	<0.5	2.1	0.6	1.2	360
	01/13/92	<0.5	<0.5	<0.5	<0.5	160
MW-5	11/18/91	2,400	100	330	640	17,000
	01/13/92	1,900	110	40	590	21,000

[a] Total petroleum hydrocarbons.

Note: Ground water samples prior to 07/03/91 collected by Ground Water Resources, Inc.

ATTACHMENT E

GEO_WELL ELECTRONIC DATA

DELIVERABLE CONFIRMATION SHEET

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