Ultramar, Inc.

October 13, 2010

Mr. Jerry Wickham
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

SUBJECT: SEMI-ANNUAL GROUNDWATER MONITORING REPORT
FORMER BEACON STATION NO. 12574
22315 REDWOOD ROAD RWQCB Case No. 01-0167
CASTRO VALLEY, CALIFORNIA ACDEH: RO0000355

Mr. Wickham:

Please find enclosed the **Semi-Annual Groundwater Monitoring Report** for the above-referenced facility. Pursuant to your requests, I declare, under penalty of perjury, that the following information and/or recommendations contained in the attached report are true and correct to the best of my knowledge.

Please call if you have any questions or comments regarding this letter or the enclosed report (210) 345-4663.

Sincerely,
ULTRAMAR INC.

for Wayne W. Lum FOR

C. Shay Wideman
Director – Environmental Liability Management

Enclosures

cc w/o encl. Mr. Ken Mateik, Horizon Environmental

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

October 13, 2010

Mr. Jerry Wickham
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

Subject: **Transmittal of Semi-Annual Monitoring Report**
Third Quarter 2010
Former Beacon Station 12574
22315 Redwood Road, Castro Valley, California

Mr. Wickham:

At the request of Ultramar Inc., Horizon Environmental Inc. (Horizon) is forwarding the enclosed *Semi-Annual Groundwater Monitoring Report* dated October 13, 2010. The report documents results of third quarter 2010 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. C. Shay Wideman, Valero Energy Corp.
Mr. Allen Shin, Banya Investment LLC
Mr. Bill Courtney

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

October 13, 2010

Mr. Jerry Wickham, Haz Mat Specialist
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

Subject: **Groundwater Monitoring Report**
Second Semi-Annual 2010
Former Beacon Station No. 12574 RWQCB Case No. 01-0167
22315 Redwood Road, Castro Valley, California ACDEH: RO0000355

Mr. Wickham:

At the request of Ultramar Inc. (Ultramar), Horizon Environmental Inc. (Horizon) has prepared this Groundwater Monitoring Report which documents the second semi-annual 2010 groundwater monitoring at the above-referenced Site (Figure 1). There are currently five groundwater monitoring wells (MW-1 through MW-4 and MW-6) associated with this Site. Wells MW-1 through MW-4 are located within the property boundaries, while well MW-6 is located offsite to the south on the adjoining Kashikar property (Figure 2).

Groundwater Monitoring

Groundwater monitoring activities were conducted by Horizon on August 23, 2010 according to Horizon Field Methods and Procedures, which are presented as Attachment A, and Horizon Monitoring Well Data Sheets, which are included as Attachment B. The depth-to-water (DTW) levels in the five monitoring wells were measured to the nearest 0.01-foot from the top-of-casing (TOC), and the DTW level measurements were subtracted from surveyed TOC elevations to obtain groundwater elevations, as listed in Table 1. The physical parameters conductivity, pH and temperature were monitored with field instrumentation during the purging process. On August 23, 2010, Horizon transported the 84 gallons of monitoring well purge water to InStrat, Inc. in Rio Vista, California for disposal. The non-hazardous waste manifest for the purge water is included as Attachment B.

Groundwater samples were collected by Horizon from wells MW-1 through MW-4 and MW-6, and were submitted under chain-of-custody (COC) documentation to Kiff Analytical LLC, a California Department of Health Services-certified analytical laboratory (NELAP No. 08263CA) located in Davis, California. As requested by the Alameda County Department of Environmental Health (ACDEH) in Item #3 of their January 8, 2009 letter, the water samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg); the volatile aromatic compounds benzene, toluene, ethylbenzene and total xylenes (BTEX); the fuel oxygenates methyl-t-butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl-t-butyl ether (ETBE), tert-amyl

methyl ether (TAME) and tert-butanol (TBA), and the lead scavenger compounds 1,2-dichloroethane (DCA) and 1,2-dibromoethane (EDB) by Environmental Protection Agency (EPA) Method 8260B. Copies of the laboratory reports and Chain-of-Custody are included as Attachment C. Historical groundwater data as reported by previous consultants is included as Attachment D.

Groundwater Monitoring Results

Groundwater elevation data was used to construct the Groundwater Elevation Contour Map (Figure 2). The groundwater flow direction beneath the Site is towards the southwest at an average rate of 0.02 foot/foot, as depicted on the Groundwater Elevation Contour Map (Figure 2). Groundwater monitoring previously performed at the Site has indicated a similar groundwater magnitude and flow direction, as summarized on the Historical Groundwater Flow Chart included as Figure 2A. The distribution of TPHg, Benzene and MTBE analytical data are shown on the Groundwater Analytical Summary (Figure 3). A Benzene Isoconcentration Map is shown on Figure 4.

GeoTracker Electronic Data Deliverables

The analytical electronic data deliverable (EDD) was prepared and uploaded by Kiff. The groundwater level EDD (GEO_WELL) was prepared and uploaded by Horizon. The GEO_WELL upload confirmation sheet for this semi-annual monitoring and the Semi-Annual Monitoring (SAM) Report EDD (GEO_REPORT) upload confirmation sheet for the previous SAM report are contained in Attachment E.

Discussion and Recommendations

Continued elevated concentrations of TPHg, BTEX and MTBE in onsite wells MW-1 and MW-2 indicate limited hydrocarbon degradation beneath the Site. Horizon oversaw a Soil Gas Survey (SGS) performed at the Site on December 21, 2009. The purpose of the SGS was to evaluate the potential exposure pathways and the potential human health risks from potentially affected onsite and offsite areas. The analytical results indicated that elevated concentrations of gasoline hydrocarbons are present in shallow soil gas samples SG-1, SG-2, SG-3 and SG-5. The highest concentrations were encountered in sample location SG-3, which was located adjacent to the front of the commercial buildings at the Site (Horizon, January 29, 2010).

Horizon performed additional soil assessment at the Site on December 22, 2009. The purpose of the soil assessment work was to evaluate the lateral and vertical extent of petroleum hydrocarbons in soil in the area of the former dispenser islands and the former underground storage tanks (USTs) beneath the Site, including at least one previous generation of USTs that had been installed and used at the Site by Shell Oil Company (Shell) sometime prior to 1981. The analytical results indicated that elevated concentrations of gasoline hydrocarbons are present beneath the former eastern dispenser islands in both unsaturated and saturated soils. The former eastern dispenser islands and the northern side of the former UST excavation appear to be source areas of diesel- and gasoline-impacted soils beneath the Site (Horizon, January 29, 2010).

Horizon submitted the Work Plan for Subsurface Investigation (Horizon, May 27, 2010) to the ACDEH, which conditionally approved the proposed work scope in their letter dated July 19, 2010. Horizon also submitted the Work Plan Addendum for Subsurface Investigation (Horizon, September 9, 2010) to the ACDEH that describes the sampling and analytical methods for the proposed onsite vapor probes, and for the sampling of offsite SGS sampling location SG-7. A status of the ongoing work is described below:

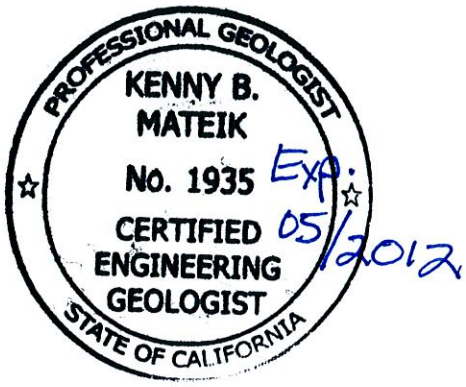
1. Continue to pursue offsite access with the identified offsite property owners for offsite soil gas sampling locations to the west and southwest of the Site. To date, no access has been reached for the adjoining Tai property to the west for proposed soil gas location SG-6. Horizon has been granted access to the adjoining Kashikar property to the south for advancing and sampling proposed soil gas location SG-7, and this work is scheduled for early October 2010.
2. Install a replacement groundwater delineation well (MW-5A) within Sixth Avenue to the west or southwest of former well MW-5. Horizon has received Well Permit No. W2010-0709 and Encroachment Permit No. RI-11072 from the Alameda County Public Works Agency (ACPWA) for the installation of proposed well MW-5A. This well is scheduled to be installed in mid October 2010.
3. Install vapor extraction wells in the area of soil gas sampling location SG-3 to evaluate and remediate elevated levels of gasoline vapors adjacent to the commercial buildings. Horizon has received Well Permit Nos. W2010-0707 and W2010-0708 from the ACPWA for the installation of proposed vapor wells VW-1, VW-2 and VW-3 and vapor monitoring points VP-1, VP-2 and VP-3. These vapor wells and vapor points are scheduled to be installed in mid October 2010.
4. Prepare a Site Conceptual Model (SCM) Report with a Corrective Action Plan (CAP), if appropriate, for the Site to evaluate the distribution and movement of gasoline and diesel hydrocarbons in the subsurface soils and groundwater, and to identify potential impacts of the petroleum hydrocarbons on human health or beneficial uses of groundwater (if any). If a CAP is prepared, then a preliminary remedial design will be included. The preparation of a SCM / Draft CAP was approved by the ACDEH in their letter dated July 19, 2010.
5. Prepare a Risk-Based Corrective Action (RBCA) analysis for the Site to evaluate the risks to human health and the environment, and to propose site-specific target levels (SSTLs) as cleanup criteria for the petroleum hydrocarbons present in soil and groundwater beneath the Site area. The RBCA analysis will be included in the a SCM/ Draft CAP.

If you have any questions, please contact Horizon at (916) 939-2170.

Sincerely,
HORIZON ENVIRONMENTAL INC.

Kenny B. Mateik

Kenny B. Mateik
Professional Geologist, C.E.G. No. 1935



Karen P. Liptak
Staff Geologist

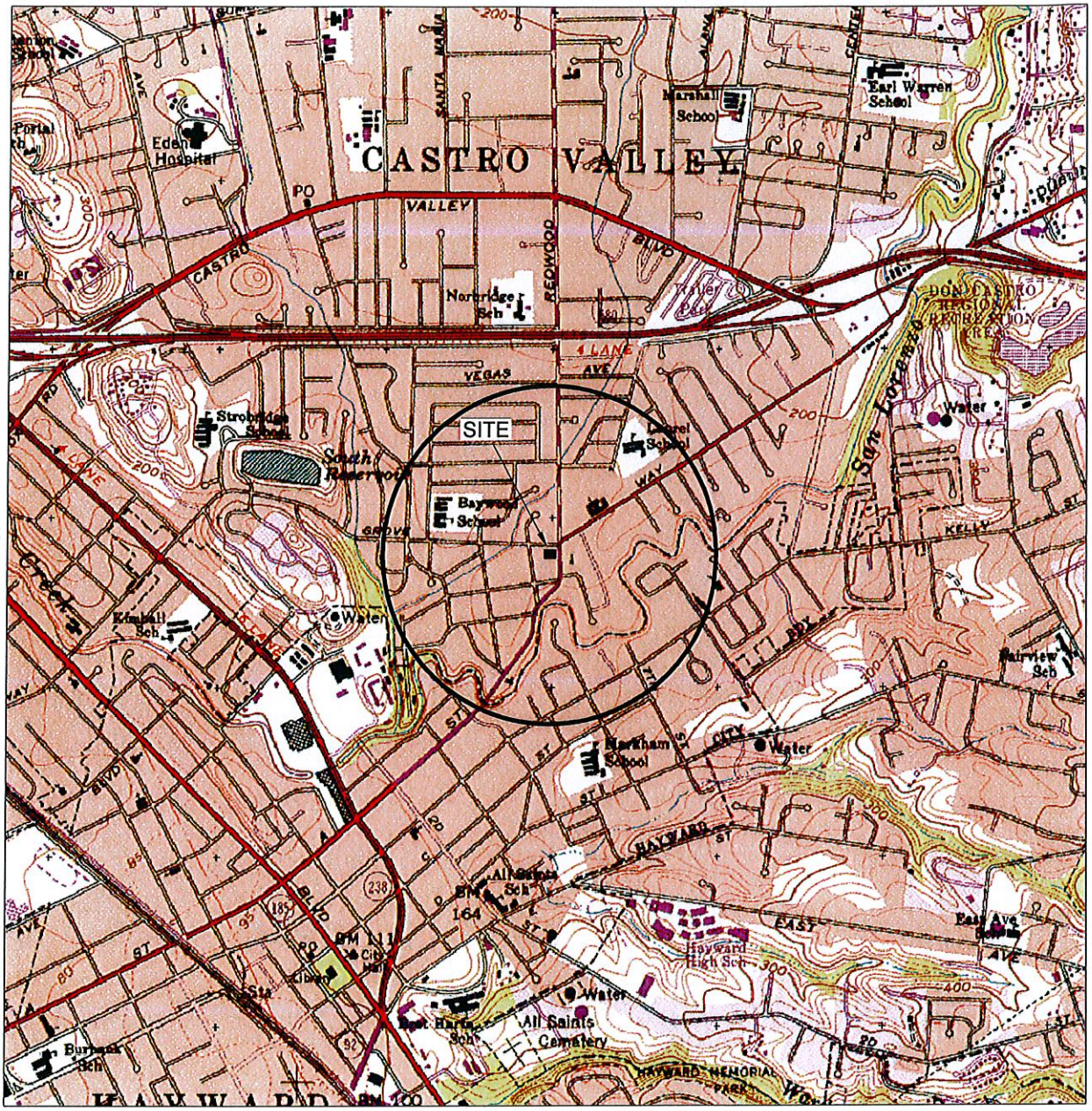
Attachments:

Figure 1: Site Vicinity Map
Figure 2: Site Map / Groundwater Elevation Contour Map
Figure 2A: Historical Groundwater Flow Table
Figure 3: Groundwater Analytical Summary
Figure 4: Benzene Isoconcentration Map

Table 1: Groundwater Monitoring Data

Attachment A: Horizon Field Methods and Procedures
Attachment B: Horizon Monitoring Well Data Sheets
Purge Water Disposal Documentation
Attachment C: Analytical Report
Attachment D: Historical Groundwater Data
Attachment E: GeoTracker Electronic Data Deliverable Confirmation Sheets

c: Mr. C. Shay Wideman, Valero Energy Corp.
Mr. Allen Shin, Banya Investment LLC
Mr. Bill Courtney, Property Manager
Mr. Ali Kashikar, Offsite Property Owner



GENERAL NOTES:
BASE MAP FROM U.S.G.S.
HAYWARD, CA.
7.5 MINUTE TOPOGRAPHIC
PHOTOREVISED 1980

QUADRANGLE LOCATION

0 2000 FT

SCALE 1:24,000

NORTH

HORIZON ENVIRONMENTAL INC.

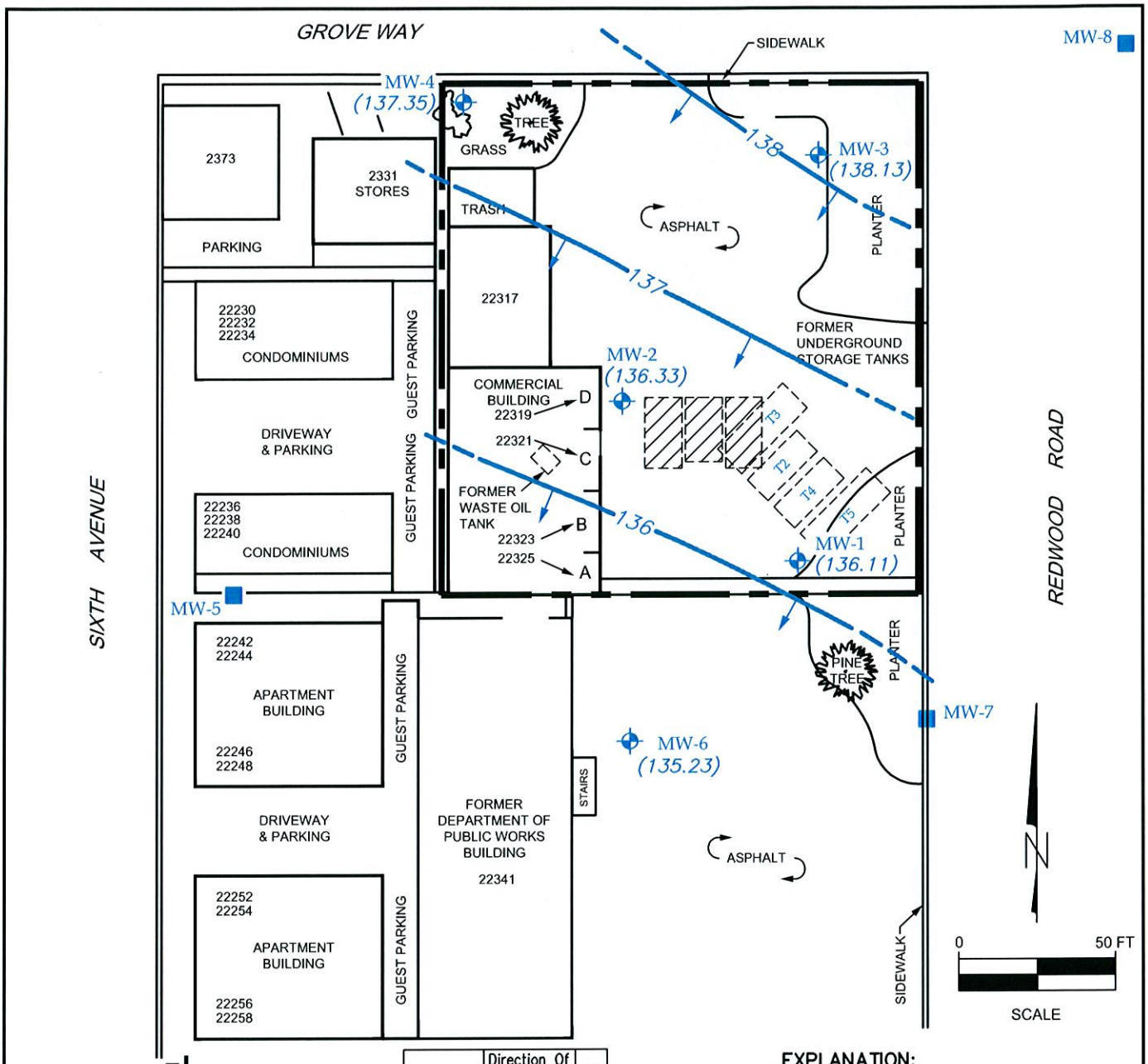
Project Number: 1574.41	Drawn By: M. LaCoste
Prepared By: K. Liptak	Date: 10/7/04
Reviewed By: K. Mateik	Revised Date:

SITE LOCATION MAP

FORMER BEACON STATION NO. 12574
22315 REDWOOD ROAD
CASTRO VALLEY, CA.

FIGURE

1



Date	Direction Of Groundwater Flow	ID No.
08/31/04	S 26 W	#1
02/01/05	S 35 W	#2
07/29/05	S 32 W	#3
01/16/05	S 36 W	#4
08/30/06	S 28 W	#5
02/13/07	S 35 W	#6
08/13/07	S 32 W	#7
02/11/08	S 28 W	#8
07/29/08	S 26 W	#9
02/25/09	S 32 W	#10
08/26/09	S 32 W	#11
01/29/10	S 48 W	#12
08/23/10	S 32 W	#13

EXPLANATION:

- MW-6 — Groundwater Monitoring Well
- MW-8 — Abandoned Monitoring Well
- Former Shell Oil USTs
- (138.13) — Elevation of Groundwater Measured In Feet; Datum Is Mean Sea Level
- 138 — Line Of Equal Elevation Of Groundwater Measured In Feet; Datum Is Mean Sea Level
- Direction Of Groundwater Flow
- (NM) — Not Measured
- Wells Measured 8/23/10

Source: Figure Modified From Survey Drawing Prepared By Majors For Tesoro Refining.

HORIZON ENVIRONMENTAL INC.

Project Number: 1574.47	Drawn By: C. Bechtell
Prepared By: K. Liptak	Date: 10/10
Reviewed By: K. Mateik	Revised Date:

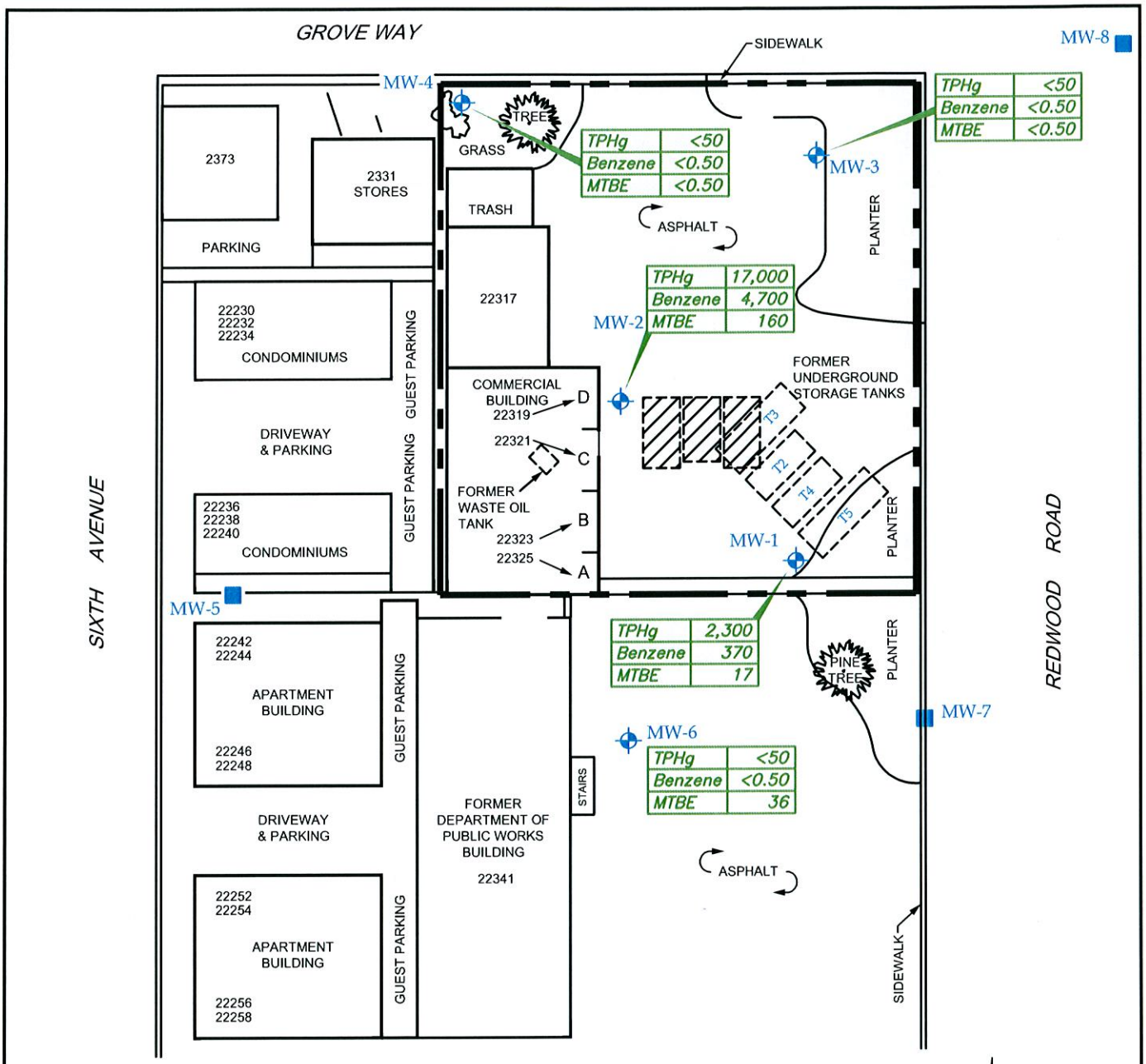
SITE MAP/GROUNDWATER ELEVATION CONTOUR MAP

FORMER BEACON STATION NO. 12574
22315 REDWOOD ROAD
CASTRO VALLEY, CA.

FIGURE 2

Figure 2A
HISTORICAL GROUNDWATER FLOW CHART
Former Beacon Station No. 12574
22315 Redwood Road,
Castro Valley, California

Date	Map ID Number	Direction of Groundwater Flow
08/31/04	#1	S 26 W
02/01/05	#2	S 35 W
07/29/05	#3	S 32 W
01/16/05	#4	S 36 W
08/30/06	#5	S 28 W
02/13/07	#6	S 35 W
08/13/07	#7	S 32 W
02/11/08	#8	S 28 W
07/29/08	#9	S 26 W
02/25/09	#10	S 32 W
08/26/09	#11	S 32 W
01/29/10	#12	S 48 W
08/23/10	#13	S 32 W



EXPLANATION:

- MW-6 Groundwater Monitoring Well
- MW-8 Abandoned Monitoring Well
- Former Shell Oil USTs

TPHg	17,000
Benzene	4,700
MTBE	160

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE IN PARTS PER MILLION (ppm)
BENZENE CONCENTRATION IN ppm
METHYL-TERT BUTYL ETHER IN ppm

(NS) Not Sampled

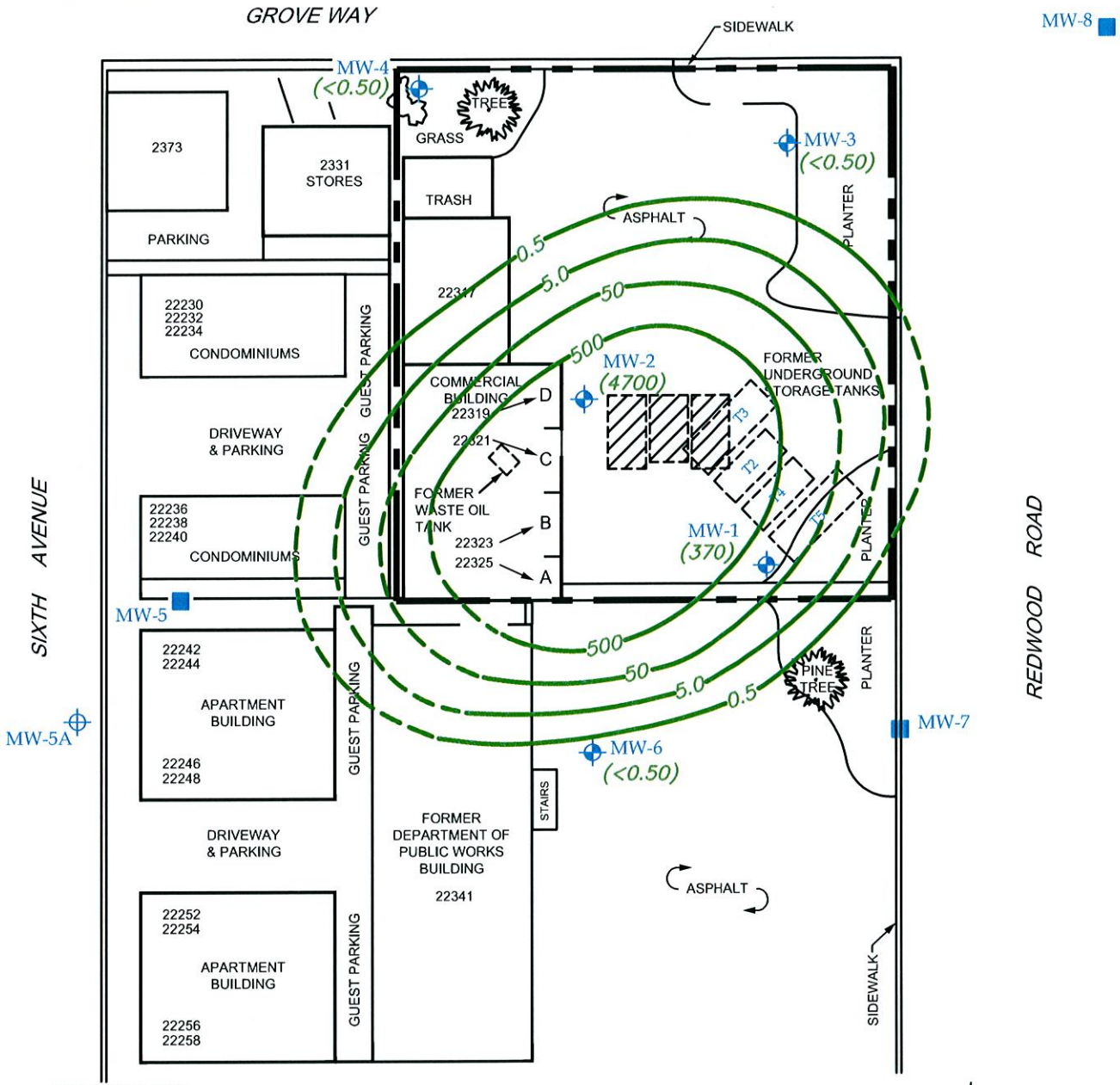
Wells Sampled 8/23/10

Source: Figure Modified From Survey Drawing Prepared By Majors For Tesoro Refining.

HORIZON ENVIRONMENTAL INC.

Project Number: 1574.47 Prepared By: K. Liptak Reviewed By: K. Mateik	Drawn By: C. Bechtell Date: 10/10 Revised Date:	GROUNDWATER ANALYTICAL SUMMARY FORMER BEACON STATION NO. 12574 22315 REDWOOD ROAD CASTRO VALLEY, CA.

FIGURE 3



Source: Figure Modified From Survey Drawing Prepared By Majors For Tesoro Refining.

HORIZON ENVIRONMENTAL INC.

Project Number: 1574.47 Prepared By: K. Liptak Reviewed By: K. Mateik	Drawn By: C. Bechtell Date: 10/10 Revised Date:	BENZENE ISOCONCENTRATION MAP FORMER BEACON STATION NO. 12574 22315 REDWOOD ROAD CASTRO VALLEY, CA.

FIGURE 4

Table 1 - Groundwater Monitoring Data
Former Beacon Station No. 12574
22315 Redwood Road
Castro Valley, California

Well Number	Date	TPHg ppb	Benzene ppb	Toluene ppb	Ethylbenz. ppb	Xylenes ppb	MTBE ppb	Depth to GW	T.O.C. Elevation	GW Elevation	Comments
MW-1	02/11/02	41,000	7,600	160	1,600	4,200	640	22.58	158.70	136.12	
	08/21/02	7,400	2,000	31	220	510	270	23.18		135.52	
screen	03/04/03	30,000	6,000	130	1,300	2,900	490	22.43		136.27	
interval	09/09/03	18,000	3,900	69	760	1,700	390	23.02		135.68	
10' - 30'	03/23/04	24,000	4,500	89	1,000	2,000	410	21.97		136.73	
	08/31/04	22,000	4,000	77	780	1,600	290	23.35		135.35	no comments
	02/01/05	36,000	6,800	160	1,800	3,000	360	21.98		136.72	no comments
	07/29/05	14,000	2,400	54	460	750	170	22.55		136.15	no comments
	01/16/06	18,000	2,900	61	860	1,300	200	21.75		136.95	no comments
	08/30/06	4,800	1,400	22	150	240	110	22.74		135.96	no comments
	02/13/07	5,300	1,100	49	210	280	110	22.31		136.39	no comments
	08/13/07	10,000	2,300	49	11	630	160	23.10		135.60	no comments
	02/11/08	30,000	5,400	260	2,300	3,400	150	21.10		137.60	no comments
	07/29/08	9,900	1,800	28	720	220	69	22.95		135.75	no comments
	02/25/09	1,700	400	7.0	53	34	33	21.81		136.89	slight odor / no sheen
	05/21/09	1,900	160	50	120	140	15	nm		nc	post HVDPE sample
	08/26/09	3,000	480	130	120	240	29	23.09		135.61	slight odor / no sheen
	01/29/10	2,200	240	16	45	100	15	20.51		138.19	slight odor / no sheen
	08/23/10	2,300	370	7.0	54	83	17	22.59		136.11	odor / no sheen
MW-2	02/11/02	17,000	3,100	270	690	1,600	660	21.03	157.33	136.30	
	08/21/02	6,800	1,600	44	290	260	440	21.60		135.73	
screen	03/04/03	20,000	3,400	200	590	1,100	670	20.86		136.47	
interval	09/09/03	19,000	3,200	120	630	940	630	21.45		135.88	
10' - 30'	03/23/04	18,000	3,200	110	640	740	580	20.41		136.92	
	08/31/04	13,000	2,800	59	510	420	430	21.75		135.58	no comments
	02/01/05	17,000	3,200	110	700	730	440	20.42		136.91	no comments
	07/29/05	22,000	3,900	210	770	930	360	20.97		136.36	no comments
	01/16/06	20,000	3,900	120	770	790	370	20.19		137.14	slight sheen / odor
	08/30/06	14,000	3,000	79	480	450	390	21.14		136.19	no comments
	02/13/07	14,000	3,100	110	600	620	340	20.73		136.60	sheen
	08/13/07	14,000	4,600	150	560	410	240	21.41		135.92	no comments
	02/11/08	46,000	12,000	4,400	1,700	5,200	150	19.35		137.98	no comments
	07/29/08	36,000	9,700	840	1,400	4,000	160	21.38		135.95	no comments
	02/25/09	11,000	3,600	66	400	320	130	20.25		137.08	odor / no sheen
	05/21/09	19,000	2,900	710	590	1,900	97	nm		nc	post HVDPE sample
	08/26/09	17,000	3,300	280	640	1,600	160	22.53		134.80	odor / no sheen
	01/29/10	18,000	3,700	140	550	1,100	110	19.91		137.42	odor / no sheen
	08/23/10	17,000	4,700	72	550	380	160	21.00		136.33	odor / no sheen

Table 1 - Groundwater Monitoring Data
Former Beacon Station No. 12574
22315 Redwood Road
Castro Valley, California

Well Number	Date	TPHg ppb	Benzene ppb	Toluene ppb	Ethylbenz. ppb	Xylenes ppb	MTBE ppb	Depth to GW	T.O.C. Elevation	GW Elevation	Comments
MW-3	02/11/02	ns	ns	ns	ns	ns	ns	21.55	159.23	137.68	
	08/21/02	ns	ns	ns	ns	ns	ns	22.00		137.23	
screen	03/04/03	ns	ns	ns	ns	ns	ns	21.48		137.75	
interval	09/09/03	ns	ns	ns	ns	ns	ns	21.84		137.39	
10' - 30'	03/23/04	ns	ns	ns	ns	ns	ns	20.82		138.41	
	08/31/04	ns	ns	ns	ns	ns	ns	21.93		137.30	no comments
	02/01/05	ns	ns	ns	ns	ns	ns	20.56		138.67	no comments
	07/29/05	ns	ns	ns	ns	ns	ns	21.37		137.86	no comments
	01/16/06	ns	ns	ns	ns	ns	ns	20.75		138.48	no comments
	08/30/06	ns	ns	ns	ns	ns	ns	21.60		137.63	no comments
	02/13/07	ns	ns	ns	ns	ns	ns	21.37		137.86	no comments
	08/13/07	ns	ns	ns	ns	ns	ns	nm		nm	well paved over
	02/11/08	ns	ns	ns	ns	ns	ns	nm		nm	well paved over
	07/29/08	ns	ns	ns	ns	ns	ns	nm		nm	well paved over
	02/25/09	<50	<0.50	<0.50	<0.50	<0.50	<0.50	20.87		138.36	no odor / no sheen
	08/26/09	140	<0.50	<0.50	0.71	<0.50	<0.50	21.68		137.55	no odor / no sheen
	01/29/10	<50	<0.50	<0.50	<0.50	<0.50	<0.50	19.60		139.63	no odor / no sheen
	08/23/10	<50	<0.50	<0.50	<0.50	<0.50	<0.50	21.10		138.13	no odor / no sheen
MW-4	02/11/02	ns	ns	ns	ns	ns	ns	16.81	154.13	137.32	
	08/21/02	ns	ns	ns	ns	ns	ns	17.58		136.55	
screen	03/04/03	ns	ns	ns	ns	ns	ns	16.70		137.43	
interval	09/09/03	ns	ns	ns	ns	ns	ns	17.48		136.65	
13' - 28'	03/23/04	ns	ns	ns	ns	ns	ns	16.35		137.78	
	08/31/04	ns	ns	ns	ns	ns	ns	nm		nm	no comments
	02/01/05	ns	ns	ns	ns	ns	ns	16.70		137.43	no comments
	07/29/05	ns	ns	ns	ns	ns	ns	17.06		137.07	no comments
	01/16/06	ns	ns	ns	ns	ns	ns	16.56		137.57	no comments
	08/30/06	ns	ns	ns	ns	ns	ns	17.18		136.95	no comments
	02/13/07	ns	ns	ns	ns	ns	ns	17.01		137.12	no comments
	08/13/07	ns	ns	ns	ns	ns	ns	17.94		136.19	no comments
	02/11/08	ns	ns	ns	ns	ns	ns	15.68		138.45	no comments
	07/29/08	ns	ns	ns	ns	ns	ns	17.31		136.82	no comments
	02/25/09	<50	<0.50	<0.50	<0.50	<0.50	<0.50	16.44		137.69	no odor / no sheen
	08/26/09	<50	<0.50	<0.50	<0.50	<0.50	<0.50	17.41		136.72	no odor / no sheen
	01/29/10	<50	<0.50	<0.50	<0.50	<0.50	<0.50	16.15		137.98	no odor / no sheen
	08/23/10	<50	<0.50	<0.50	<0.50	<0.50	<0.50	16.78		137.35	no odor / no sheen

Table 1 - Groundwater Monitoring Data
Former Beacon Station No. 12574
22315 Redwood Road
Castro Valley, California

Well Number	Date	TPHg ppb	Benzene ppb	Toluene ppb	Ethylbenz. ppb	Xylenes ppb	MTBE ppb	Depth to GW	T.O.C. Elevation	GW Elevation	Comments
MW-5	02/11/02	ns	ns	ns	ns	ns	ns	15.70	150.73	135.03	
	08/21/02	ns	ns	ns	ns	ns	ns	16.17		134.56	
	03/04/03	ns	ns	ns	ns	ns	ns	15.46		135.27	
	09/09/03	ns	ns	ns	ns	ns	ns	16.05		134.68	
	03/23/04	ns	ns	ns	ns	ns	ns	14.88		135.85	
	08/31/04	ns	ns	ns	ns	ns	ns	nm		nm	unable to locate due to construction
	02/01/05	ns	ns	ns	ns	ns	ns	nm		nm	unable to locate due to construction
	07/29/05	ns	ns	ns	ns	ns	ns	nm		nm	unable to locate due to construction
	01/16/06	--	--	--	--	--	--	--		--	well destroyed
MW-6	02/11/02	ns	ns	ns	ns	ns	ns	20.78	156.11	135.33	
	08/21/02	ns	ns	ns	ns	ns	ns	21.41		134.70	
screen	03/04/03	ns	ns	ns	ns	ns	ns	20.64		135.47	
interval	09/09/03	ns	ns	ns	ns	ns	ns	21.23		134.88	
15' - 30'	03/23/04	ns	ns	ns	ns	ns	ns	20.21		135.90	
	08/31/04	ns	ns	ns	ns	ns	ns	21.50		134.61	no comments
	02/01/05	ns	ns	ns	ns	ns	ns	20.22		135.89	no comments
	07/29/05	ns	ns	ns	ns	ns	ns	20.78		135.33	no comments
	01/16/06	ns	ns	ns	ns	ns	ns	19.92		136.19	no comments
	08/30/06	<50	<0.50	<0.50	<0.50	<0.50	71	20.94		135.17	no comments
	02/13/07	ns	ns	ns	ns	ns	ns	20.35		135.76	no comments
	08/13/07	ns	ns	ns	ns	ns	ns	21.29		134.82	no comments
	02/11/08	ns	ns	ns	ns	ns	ns	19.50		136.61	no comments
	07/29/08	ns	ns	ns	ns	ns	ns	21.23		134.88	no comments
	02/25/09	<50	<0.50	<0.50	<0.50	<0.50	45	19.95		136.16	no odor / no sheen
	08/26/09	<50	<0.50	<0.50	<0.50	<0.50	43	21.27		134.84	no odor / no sheen
	01/29/10	<50	<0.50	<0.50	<0.50	<0.50	46	19.64		136.47	no odor / no sheen
	08/23/10	<50	<0.50	<0.50	<0.50	<0.50	36	20.88		135.23	no odor / no sheen

Notes:
TPHg = Total Petroleum Hydrocarbons as gasoline
TPHd = Total Petroleum Hydrocarbons as diesel
MTBE = Methyl Tertiary-Butyl Ether
< = less than the specified laboratory detection limit
ppb = parts per billion

nm = not measured
ns = not sampled
nc = not calculated
na = not analyzed

T.O.C. = Top of casing
Depths and Elevations recorded in feet.
GW = Groundwater

ATTACHMENT A

HORIZON FIELD METHODS AND PROCEDURES

HORIZON ENVIRONMENTAL, INC.
GROUNDWATER MONITORING
FIELD METHODS AND PROCEDURES

The following section describes field procedures that are generally completed by Horizon Environmental Inc. (Horizon) personnel in performance of the tasks involved with this project.

1.0 HEALTH AND SAFETY PLAN

Field work performed by Horizon and subcontractors at the site will be conducted according to guidelines established in a Site Health and Safety Plan (SHSP). The SHSP is a document that describes the hazards that may be encountered in the field and specifies protective equipment, work procedures, and emergency information. A copy of the SHSP will be at the site and available for reference by appropriate parties during work at the site.

2.0 GROUNDWATER DEPTH EVALUATION

Each monitoring well is opened and allowed to equalize to atmospheric pressure prior to sounding. Depth-to-water is measured to the nearest 0.01-foot using an electronic, hand-held, water-level indicator. The measuring point is the survey mark on the top of the well casing. The tip of the probe is examined in order to determine the presence or absence of product sheen.

3.0 MONITORING WELL PURGING & SAMPLING

Prior to purging, a clean, transparent bailer is lowered into the well, and a sample of groundwater is hoisted to the surface. The sample fluid is inspected for the presence of free-floating product on its surface. Sampling activities conducted subsequent to the initial well development activity will be preceded by purging a minimum of three well volumes by hand-bailing or the use of an electrically-operated pump. Purge water will be monitored for the parameters of temperature, pH, and electrical conductivity until stabilized. Water samples collected from extraction wells are generally collected from a sampling port before the GWTS manifold.

If required, field readings for dissolved oxygen (dO_2), displayed in tenths of parts per million (ppm x 0.1), will be obtained utilizing Hanna Instruments' hand-held, HI-9142 Portable Dissolved Oxygen Meter. Generally, higher dO_2 concentrations are expected in samples, which are unimpacted or marginally impacted by hydrocarbons than for samples collected from monitoring wells which yield hydrocarbon-impacted water.

A well is allowed to recharge to at least 80% of its prepurge volume prior to sampling. If a well dewaters, it will be allowed to recharge for a minimum of one to two hours prior to sampling. After the water level within the well has stabilized, a sample is collected within a dedicated, clean, disposable, plastic bailer lowered into the well and hoisted when filled.

4.0 SAMPLE PREPARATION & TRANSPORT FOR LABORATORY ANALYSIS

Samples will be transferred to airtight vials, chilled on ice, and transported to a California DoHS-certified laboratory for analysis. Samples will be analyzed within the EPA-specified holding time for the requested analysis. Each sample container submitted for analysis will have a label affixed to identify the job number, sample date, time of sample collection, and a sample number unique to that sample.

A chain-of-custody form will be used to record possession of the sample from time of collection to its arrival at the laboratory. When the samples are shipped, the responsible technician or geologist relinquishes custody of the samples by signing the chain-of-custody form, noting the date and time. The sample-control officer at the laboratory:

- verifies sample integrity;
- confirms storage in the proper container;
- recognizes that an adequate volume of fluid has been collected for the required analysis;
- identifies the method of preservation; and
- accepts custody for the laboratory when these conditions have been satisfied.

ATTACHMENT B

HORIZON MONITORING WELL DATA SHEETS

PURGE WATER DISPOSAL DOCUMENTATION

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

MONITORING WELL
OBSERVATION SUMMARY SHEET

Company Fmr Beacon No. 12574	Job No. 1574.47
Location 22315 Redwood Road	Date 8-23-10
City Castro Valley	Time 0820

Well I.D.	Total Well Depth	Depth to Liquid	Hydrocarbon Thickness	Measurement Point TOB or TOC	Comments
MW-1	29.91	22.59		TOC	
MW-2	29.75	21.00		↓	
MW-3	29.58	21.10			
MW-4	28.07	16.78			
MW-6	30.00	20.88			

Comments:

Sampler: Mark D. Brock Assistant: _____

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

MONITORING WELL DATA

Station No. Fmr Beacon 12574	Location Castro Valley
Address 22315 Redwood Road	Job No. 1574.47
Well No. MW - 1	Date 8-23-10

T.D.	- D.T.W.	x *VF	= Casing Volume
30.00	- 22.59 = 7.41	x .66 = 4.89 x 4	= 19.56 (20)

*VF = gal/ft	2" x 0.17 3" x 0.38	4" x 0.66 6" x 1.50

Gals. Purged	5	10	15	20			
Conduct.	597	754	752	760			
P/H	6.58	6.90	6.86	6.84			
Temp (°F)	71.3	71.5	71.7	71.5			
Turbid	clear	clear	clear	clear			
Product/Sheen	N	N	N	N		sample time	1024
Time	1010	1013	1016	1019			
Odor	Yes	Yes	Yes	Yes			

Total Volume Purged: 4

Purging Equipment: Pump

Total Gallons Purged: 20

Sampling Equipment: bail

Sample Containers: 4 HCl VOAs

D.T.W. after purging: 28.43

H_2O Stored? tank → Instrat

Comments: D.O 7.0 ORP 53

Mark D. Brock

Technician

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

MONITORING WELL DATA

Station No. Fmr Beacon 12574	Location Castro Valley
Address 22315 Redwood Road	Job No. 1574.47
Well No MW-2	Date 8-23-10

T.D. - D.T.W.	x *VF	= Casing Volume
30.00 - 21.00 = 9.00	x .66 = 5.94 x 4	= 23.76 (24)

*VF= gal/ft	2" x 0.17 3" x 0.38	4" x 0.66 8" x 1.50

Gals. Purged	6	12	18	24			
Conduct.	1066	1032	1010	1018			
P/H	6.86	6.73	6.72	6.77			
Temp (°F)	71.2	69.9	70.1	70.0			
Turbid	clear	slight	slight	slight			
Product/Sheen	N	N	N	N		sample time	1049
Time	1035	1038	1041	1044			
Odor	Yes	Yes	Yes	Yes			

Total Volume Purged: 4

Purging Equipment: Pump

Total Gallons Purged: 24

Sampling Equipment: bail

Sample Containers: 4 HCl VOAs

D.T.W. after purging: 28.43

H_2O Stored? tank → Instrat

Comments: D.O 5.3 ORP -8

Mark D. Brock

Technician

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

MONITORING WELL DATA

Station No. Fmr Beacon 12574	Location Castro Valley
Address 22315 Redwood Road	Job No. 1574.47
Well No. MW-3	Date 8-23-10

T.D. - D.T.W.	x °VF = Casing Volume		
30.00	- 21.10 = 8.90	x .66 = 5.87 x 4	= 23.48 (24)

°VF = gal/ft	2" x 0.17 3" x 0.38	4" x 0.66 8" x 1.50

Gals. Purged	6	12	18	24			
Conduct.	560	409	440	457			
P/H	7.75	7.30	7.15	7.24			
Temp (°F)	68.3	68.0	67.8	68.0			
Turbid	Clear	slight	slight	slight			
Product/Sheen	N	N	N	N		sample time	0933
Time	0916	0920	0924	0928			
Odor	N	N	N	N			

Total Volume Purged: 4

Purging Equipment: Pump

Total Gallons Purged: 24

Sampling Equipment: bail

Sample Containers: 4 HCl VOAs

D.T.W. after purging: 25.88

H_2O Stored? tank → Instrat

Comments: D.O 8.2 ORP 133

Mark D. Brock

Technician

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

MONITORING WELL DATA

Station No. Fmr Beacon 12574	Location Castro Valley
Address 22315 Redwood Road	Job No. 1574.47
Well No. MW-4	Date 8-23-10

T.D.	- D.T.W.	x *VF	= Casing Volume
30.00	-16.78 = 13.22	x .17 = 2.24 x 4	= 8.96 (9)

*VF = gal/ft	2" x 0.17 3" x 0.38	4" x 0.66 8" x 1.50

Gals. Purged	2.5	5	7.5	9			
Conduct.	1265	1396	1367	1378			
P/H	7.05	7.02	7.09	7.05			
Temp (°F)	66.2	65.7	65.1	64.7			
Turbid	slight	slight	slight	slight			
Product/Sheen	N	N	N	N		sample time	0902
Time	0851	0853	0855	0857			
Odor	N	N	N	N			

Total Volume Purged: 4

Purging Equipment: Pump

Total Gallons Purged: 9

Sampling Equipment: bail

Sample Containers: 4 HCl VOAs

D.T.W. after purging: 17.88

H_2O Stored? tank → Instrat

Comments: D.O 7.7 ORP 121

Mark D. Brock

Technician

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

MONITORING WELL DATA

Station No. Fmr Beacon 12574	Location Castro Valley
Address 22315 Redwood Road	Job No. 1574.47
Well No. MW-6	Date 8-23-10

T.D.	- D.T.W.	x °VF	= Casing Volume
30.00	- 20.88 = 9.12	x .17 = 1.55 x 4	= 6.2 (6.5)

°VF = gal/ft	2" x 0.17 3" x 0.38	4" x 0.66 6" x 1.50

Gals. Purged	2	4	6	6.5			
Conduct.	850	839	834	843			
P/H	7.23	6.97	6.74	6.76			
Temp (°F)	69.8	69.5	69.8	70.1			
Turbid	clear	clear	clear	clear			
Product/Sheen	N	N	N	N		sample time	0959
Time	0949	0951	0953	0954			
Odor	N	N	N	N			

Total Volume Purged: 4

Purging Equipment: Pump

Total Gallons Purged: 6.5

Sampling Equipment: bail

Sample Containers: 4 HCl VOAs

D.T.W. after purging: 25.27

H_2O Stored? tank → Instrat

Comments: D.O 8.4 ORP 189

Mark D. Brock

Technician

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. Hor 10-90

2. Page 1 of 1

3. Generator's Name and Mailing Address
Former Beacon # 12574
22315 Redwood Rd
Castro Valley, CA

Horizon Environmental

4. Generator's Phone ( )

5. Transporter 1 Company Name
Horizon Environmental

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone (916) 939-2170

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Instrat
1105 C Airport Rd
Rio Vista, CA

10. US EPA ID Number
CAR000150599

E. State Facility's ID

F. Facility's Phone
(707) 374-3834

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Haz Purge Water	1	Poly	84	GALS
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
Colors - Clear
odors - Ø
Solids - Ø

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name | Signature | Date: Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Mark D. Brock | Signature: Mark D. Brock | Date: Month 8 Day 23 Year 10

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Instrat

Printed/Typed Name: Matt Belcher | Signature | Date: Month 8 Day 23 Year 10

NON-HAZARDOUS WASTE

ATTACHMENT C

ANALYTICAL REPORT

KIFF Analytical LLC

Report Number : 74297
Date : 08/30/2010

Laboratory Results

Ken Mateik
Horizon Environmental
4970 Windplay Drive, Suite 5
El Dorado Hills, CA 95762

Subject : 5 Water Samples
Project Name : Former Beacon 12574-Q3
Project Number : 1574.47
P.O. Number : 12574-037

Dear Mr. Mateik,

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. Testing procedures comply with the 2003 NELAC standard. All soil samples are reported on a total weight (wet weight) basis unless noted otherwise in the case narrative. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 74297
Date : 08/30/2010

Project Name : **Former Beacon 12574-Q3**
Project Number : **1574.47**

Sample : **MW-1** Matrix : Water Lab Number : 74297-01

Sample Date :08/23/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**370**	0.90	ug/L	EPA 8260B	08/26/10 09:51
Toluene	**7.0**	0.90	ug/L	EPA 8260B	08/26/10 09:51
Ethylbenzene	**54**	0.90	ug/L	EPA 8260B	08/26/10 09:51
Total Xylenes	**83**	0.90	ug/L	EPA 8260B	08/26/10 09:51
Methyl-t-butyl ether (MTBE)	**17**	0.90	ug/L	EPA 8260B	08/26/10 09:51
Diisopropyl ether (DIPE)	< 0.90	0.90	ug/L	EPA 8260B	08/26/10 09:51
Ethyl-t-butyl ether (ETBE)	< 0.90	0.90	ug/L	EPA 8260B	08/26/10 09:51
Tert-amyl methyl ether (TAME)	< 0.90	0.90	ug/L	EPA 8260B	08/26/10 09:51
Tert-Butanol	**8.3**	5.0	ug/L	EPA 8260B	08/26/10 09:51
TPH as Gasoline	**2300**	90	ug/L	EPA 8260B	08/26/10 09:51
1,2-Dichloroethane	< 0.90	0.90	ug/L	EPA 8260B	08/26/10 09:51
1,2-Dibromoethane	< 0.90	0.90	ug/L	EPA 8260B	08/26/10 09:51
1,2-Dichloroethane-d4 (Surr)	98.9		% Recovery	EPA 8260B	08/26/10 09:51
Toluene - d8 (Surr)	97.1		% Recovery	EPA 8260B	08/26/10 09:51

KIFF Analytical LLC

Report Number : 74297
Date : 08/30/2010

Project Name : **Former Beacon 12574-Q3**
Project Number : **1574.47**

Sample : **MW-2** Matrix : Water Lab Number : 74297-02

Sample Date :08/23/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**4700**	7.0	ug/L	EPA 8260B	08/26/10 12:13
Toluene	**72**	7.0	ug/L	EPA 8260B	08/26/10 12:13
Ethylbenzene	**550**	7.0	ug/L	EPA 8260B	08/26/10 12:13
Total Xylenes	**380**	7.0	ug/L	EPA 8260B	08/26/10 12:13
Methyl-t-butyl ether (MTBE)	**160**	7.0	ug/L	EPA 8260B	08/26/10 12:13
Diisopropyl ether (DIPE)	< 7.0	7.0	ug/L	EPA 8260B	08/26/10 12:13
Ethyl-t-butyl ether (ETBE)	< 7.0	7.0	ug/L	EPA 8260B	08/26/10 12:13
Tert-amyl methyl ether (TAME)	< 7.0	7.0	ug/L	EPA 8260B	08/26/10 12:13
Tert-Butanol	**77**	40	ug/L	EPA 8260B	08/26/10 12:13
TPH as Gasoline	**17000**	700	ug/L	EPA 8260B	08/26/10 12:13
1,2-Dichloroethane	< 7.0	7.0	ug/L	EPA 8260B	08/26/10 12:13
1,2-Dibromoethane	< 7.0	7.0	ug/L	EPA 8260B	08/26/10 12:13
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	08/26/10 12:13
Toluene - d8 (Surr)	95.7		% Recovery	EPA 8260B	08/26/10 12:13

KIFF Analytical LLC

Report Number : 74297
Date : 08/30/2010

Project Name : **Former Beacon 12574-Q3**
Project Number : **1574.47**

Sample : **MW-3** Matrix : Water Lab Number : 74297-03

Sample Date :08/23/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 15:29
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 15:29
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 15:29
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 15:29
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 15:29
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 15:29
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 15:29
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 15:29
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	08/26/10 15:29
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	08/26/10 15:29
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 15:29
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 15:29
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	08/26/10 15:29
Toluene - d8 (Surr)	99.9		% Recovery	EPA 8260B	08/26/10 15:29

KIFF Analytical LLC

Report Number : 74297
Date : 08/30/2010

Project Name : **Former Beacon 12574-Q3**
Project Number : **1574.47**

Sample : **MW-4** Matrix : Water Lab Number : 74297-04
Sample Date :08/23/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 16:06
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 16:06
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 16:06
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 16:06
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 16:06
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 16:06
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 16:06
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 16:06
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	08/26/10 16:06
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	08/26/10 16:06
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 16:06
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 16:06
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	08/26/10 16:06
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	08/26/10 16:06

KIFF Analytical LLC

Report Number : 74297
Date : 08/30/2010

Project Name : **Former Beacon 12574-Q3**
Project Number : **1574.47**

Sample : **MW-6** Matrix : Water Lab Number : 74297-05
Sample Date :08/23/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 10:34
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 10:34
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 10:34
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 10:34
Methyl-t-butyl ether (MTBE)	**36**	0.50	ug/L	EPA 8260B	08/26/10 10:34
Diisopropyl ether (DIPE)	**0.82**	0.50	ug/L	EPA 8260B	08/26/10 10:34
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 10:34
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 10:34
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	08/26/10 10:34
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	08/26/10 10:34
1,2-Dichloroethane	**0.55**	0.50	ug/L	EPA 8260B	08/26/10 10:34
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	08/26/10 10:34
1,2-Dichloroethane-d4 (Surr)	98.1		% Recovery	EPA 8260B	08/26/10 10:34
Toluene - d8 (Surr)	98.6		% Recovery	EPA 8260B	08/26/10 10:34

Report Number : 74297

Date : 08/30/2010

QC Report : Method Blank Data

Project Name : **Former Beacon 12574-Q3**

Project Number : **1574.47**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/25/2010
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/25/2010
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/25/2010
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/25/2010
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	08/25/2010
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	08/25/2010
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	08/25/2010
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	08/25/2010
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	08/25/2010
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	08/25/2010
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	08/25/2010
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	08/25/2010
1,2-Dichloroethane-d4 (Surr)	101		%	EPA 8260B	08/25/2010
Toluene - d8 (Surr)	99.7		%	EPA 8260B	08/25/2010
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/26/2010
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/26/2010
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/26/2010
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/26/2010
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	08/26/2010
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	08/26/2010
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	08/26/2010
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	08/26/2010
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	08/26/2010
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	08/26/2010
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	08/26/2010
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	08/26/2010
1,2-Dichloroethane-d4 (Surr)	99.1		%	EPA 8260B	08/26/2010
Toluene - d8 (Surr)	99.9		%	EPA 8260B	08/26/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/26/2010
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/26/2010
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/26/2010
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/26/2010
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	08/26/2010
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	08/26/2010
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	08/26/2010
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	08/26/2010
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	08/26/2010
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	08/26/2010
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	08/26/2010
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	08/26/2010
1,2-Dichloroethane-d4 (Surr)	94.1		%	EPA 8260B	08/26/2010
Toluene - d8 (Surr)	98.5		%	EPA 8260B	08/26/2010

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 74297

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 08/30/2010

Project Name : **Former Beacon 12574-Q3**

Project Number : **1574.47**

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
1,2-Dibromoethane														
	74278-02	<0.50	40.0	39.8	43.0	41.5	ug/L	EPA 8260B	8/25/10	107	104	2.95	80-120	25
1,2-Dichloroethane														
	74278-02	<0.50	40.0	39.8	36.2	36.0	ug/L	EPA 8260B	8/25/10	90.6	90.3	0.331	75.7-122	25
Benzene														
	74278-02	<0.50	40.0	39.8	36.0	36.4	ug/L	EPA 8260B	8/25/10	89.9	91.3	1.48	80-120	25
Diisopropyl ether														
	74278-02	<0.50	40.1	39.9	35.4	35.3	ug/L	EPA 8260B	8/25/10	88.2	88.3	0.0418	80-120	25
Ethyl-tert-butyl ether														
	74278-02	<0.50	40.1	39.9	35.1	36.1	ug/L	EPA 8260B	8/25/10	87.6	90.5	3.22	76.5-120	25
Ethylbenzene														
	74278-02	<0.50	40.0	39.8	36.8	37.1	ug/L	EPA 8260B	8/25/10	91.9	93.2	1.32	80-120	25
Methyl-t-butyl ether														
	74278-02	<0.50	40.0	39.8	35.3	36.0	ug/L	EPA 8260B	8/25/10	88.2	90.3	2.39	69.7-121	25
P + M Xylene														
	74278-02	<0.50	40.0	39.8	36.9	36.9	ug/L	EPA 8260B	8/25/10	92.2	92.5	0.355	76.8-120	25
Tert-Butanol														
	74278-02	<5.0	200	199	177	181	ug/L	EPA 8260B	8/25/10	88.4	90.7	2.60	80-120	25
Tert-amyl-methyl ether														
	74278-02	<0.50	40.2	40.1	36.2	37.6	ug/L	EPA 8260B	8/25/10	90.0	93.8	4.11	78.9-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 74297

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 08/30/2010

Project Name : **Former Beacon 12574-Q3**

Project Number : **1574.47**

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
Toluene														
	74278-02	<0.50	40.0	39.8	36.2	37.1	ug/L	EPA 8260B	8/25/10	90.6	93.0	2.68	80-120	25
1,2-Dibromoethane														
	74293-01	<0.50	40.0	40.0	42.6	41.1	ug/L	EPA 8260B	8/26/10	106	103	3.45	80-120	25
1,2-Dichloroethane														
	74293-01	<0.50	40.0	40.0	42.0	40.8	ug/L	EPA 8260B	8/26/10	105	102	2.94	75.7-122	25
Benzene														
	74293-01	<0.50	40.0	40.0	37.3	35.9	ug/L	EPA 8260B	8/26/10	93.4	89.9	3.83	80-120	25
Diisopropyl ether														
	74293-01	<0.50	40.1	40.1	37.3	36.2	ug/L	EPA 8260B	8/26/10	93.0	90.2	3.04	80-120	25
Ethyl-tert-butyl ether														
	74293-01	<0.50	40.1	40.1	39.0	37.9	ug/L	EPA 8260B	8/26/10	97.4	94.6	2.87	76.5-120	25
Ethylbenzene														
	74293-01	<0.50	40.0	40.0	38.1	36.8	ug/L	EPA 8260B	8/26/10	95.2	91.9	3.49	80-120	25
Methyl-t-butyl ether														
	74293-01	140	40.0	40.0	176	173	ug/L	EPA 8260B	8/26/10	95.7	87.1	9.36	69.7-121	25
P + M Xylene														
	74293-01	<0.50	40.0	40.0	36.9	35.8	ug/L	EPA 8260B	8/26/10	92.2	89.5	2.96	76.8-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 74297

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 08/30/2010

Project Name : **Former Beacon 12574-Q3**

Project Number : **1574.47**

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
Tert-Butanol														
	74293-01	490	200	200	678	689	ug/L	EPA 8260B	8/26/10	94.1	99.6	5.68	80-120	25
Tert-amyl-methyl ether														
	74293-01	<0.50	40.2	40.2	41.0	39.4	ug/L	EPA 8260B	8/26/10	102	97.9	4.02	78.9-120	25
Toluene														
	74293-01	<0.50	40.0	40.0	38.2	36.6	ug/L	EPA 8260B	8/26/10	95.6	91.4	4.46	80-120	25
1,2-Dibromoethane														
	74297-05	<0.50	40.0	40.0	45.0	44.6	ug/L	EPA 8260B	8/26/10	112	111	0.875	80-120	25
1,2-Dichloroethane														
	74297-05	0.55	40.0	40.0	43.0	42.3	ug/L	EPA 8260B	8/26/10	106	104	1.54	75.7-122	25
Benzene														
	74297-05	<0.50	40.0	40.0	39.0	38.3	ug/L	EPA 8260B	8/26/10	97.6	95.7	1.99	80-120	25
Diisopropyl ether														
	74297-05	0.82	40.1	40.1	40.3	40.2	ug/L	EPA 8260B	8/26/10	98.4	98.2	0.203	80-120	25
Ethyl-tert-butyl ether														
	74297-05	<0.50	40.1	40.1	40.9	40.9	ug/L	EPA 8260B	8/26/10	102	102	0.139	76.5-120	25
Ethylbenzene														
	74297-05	<0.50	40.0	40.0	39.2	39.1	ug/L	EPA 8260B	8/26/10	98.1	97.7	0.357	80-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 74297

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 08/30/2010

Project Name : **Former Beacon 12574-Q3**

Project Number : **1574.47**

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
Methyl-t-butyl ether														
	74297-05	36	40.0	40.0	78.0	76.9	ug/L	EPA 8260B	8/26/10	104	102	2.52	69.7-121	25
P + M Xylene														
	74297-05	<0.50	40.0	40.0	39.7	39.3	ug/L	EPA 8260B	8/26/10	99.4	98.3	1.09	76.8-120	25
Tert-Butanol														
	74297-05	<5.0	200	200	206	208	ug/L	EPA 8260B	8/26/10	103	104	1.04	80-120	25
Tert-amyl-methyl ether														
	74297-05	<0.50	40.2	40.2	41.5	41.0	ug/L	EPA 8260B	8/26/10	103	102	1.36	78.9-120	25
Toluene														
	74297-05	<0.50	40.0	40.0	40.0	39.4	ug/L	EPA 8260B	8/26/10	100	98.4	1.75	80-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 74297

QC Report : Laboratory Control Sample (LCS)

Date : 08/30/2010

Project Name : **Former Beacon 12574-Q3**

Project Number : **1574.47**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
1,2-Dibromoethane	40.0	ug/L	EPA 8260B	8/25/10	104	80-120
1,2-Dichloroethane	40.0	ug/L	EPA 8260B	8/25/10	88.3	75.7-122
Benzene	40.0	ug/L	EPA 8260B	8/25/10	90.5	80-120
Diisopropyl ether	40.1	ug/L	EPA 8260B	8/25/10	87.8	80-120
Ethyl-tert-butyl ether	40.1	ug/L	EPA 8260B	8/25/10	91.0	76.5-120
Ethylbenzene	40.0	ug/L	EPA 8260B	8/25/10	93.8	80-120
Methyl-t-butyl ether	40.0	ug/L	EPA 8260B	8/25/10	89.0	69.7-121
P + M Xylene	40.0	ug/L	EPA 8260B	8/25/10	94.2	76.8-120
Tert-Butanol	200	ug/L	EPA 8260B	8/25/10	90.6	80-120
Tert-amyl-methyl ether	40.2	ug/L	EPA 8260B	8/25/10	92.3	78.9-120
Toluene	40.0	ug/L	EPA 8260B	8/25/10	91.6	80-120
1,2-Dibromoethane	40.2	ug/L	EPA 8260B	8/26/10	108	80-120
1,2-Dichloroethane	40.2	ug/L	EPA 8260B	8/26/10	108	75.7-122
Benzene	40.2	ug/L	EPA 8260B	8/26/10	97.3	80-120
Diisopropyl ether	40.3	ug/L	EPA 8260B	8/26/10	95.7	80-120
Ethyl-tert-butyl ether	40.2	ug/L	EPA 8260B	8/26/10	97.6	76.5-120
Ethylbenzene	40.2	ug/L	EPA 8260B	8/26/10	99.6	80-120
Methyl-t-butyl ether	40.2	ug/L	EPA 8260B	8/26/10	99.7	69.7-121
P + M Xylene	40.2	ug/L	EPA 8260B	8/26/10	96.7	76.8-120
TPH as Gasoline	502	ug/L	EPA 8260B	8/26/10	95.6	70.0-130
Tert-Butanol	201	ug/L	EPA 8260B	8/26/10	101	80-120
Tert-amyl-methyl ether	40.4	ug/L	EPA 8260B	8/26/10	104	78.9-120

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 74297

QC Report : Laboratory Control Sample (LCS)

Date : 08/30/2010

Project Name : **Former Beacon 12574-Q3**

Project Number : **1574.47**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Toluene	40.2	ug/L	EPA 8260B	8/26/10	98.7	80-120
1,2-Dibromoethane	40.0	ug/L	EPA 8260B	8/26/10	113	80-120
1,2-Dichloroethane	40.0	ug/L	EPA 8260B	8/26/10	107	75.7-122
Benzene	40.0	ug/L	EPA 8260B	8/26/10	98.4	80-120
Diisopropyl ether	40.1	ug/L	EPA 8260B	8/26/10	99.0	80-120
Ethyl-tert-butyl ether	40.1	ug/L	EPA 8260B	8/26/10	102	76.5-120
Ethylbenzene	40.0	ug/L	EPA 8260B	8/26/10	99.5	80-120
Methyl-t-butyl ether	40.0	ug/L	EPA 8260B	8/26/10	103	69.7-121
P + M Xylene	40.0	ug/L	EPA 8260B	8/26/10	99.8	76.8-120
TPH as Gasoline	505	ug/L	EPA 8260B	8/26/10	91.2	70.0-130
Tert-Butanol	200	ug/L	EPA 8260B	8/26/10	103	80-120
Tert-amyl-methyl ether	40.2	ug/L	EPA 8260B	8/26/10	101	78.9-120
Toluene	40.0	ug/L	EPA 8260B	8/26/10	101	80-120

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

KIFF Analytical LLC

2795 2nd Street Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 74297

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): KEN MATEIK	California EDF Report? ☑ Yes ☐ No
Company / Address: Horizon Environmental, 4970 Windplay Drive, Suite 5, El Dorado Hills, CA 95762	Sampling Company Log Code: HEIE
Phone #: 916 - 939 - 2170 / Fax #: 916 - 939 - 2172	Global ID: T0600100155
Project #: 1574.47 / P.O. #: 12574-037	EDF Deliverable To (Email Address): kiffanalytical.com
Project Name: Former Beacon 12574-Q3	Sampler Signature: Mark D. Broch
Project Address: 22315 Redwood Road, Castro Valley, CA 94546	

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Container:	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: Ice	Preservative:	Matrix: WATER	Matrix: Soil	Matrix: Air	Matrix:	Analysis Request: MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	Analysis Request: MTBE (EPA 8260B) @ 0.5 ppb	Analysis Request: BTEX (EPA 8260B)	Analysis Request: TPH Gas (EPA 8260B)	Analysis Request: 5 Oxygenates (EPA 8260B)	Analysis Request: 7 Oxygenates (EPA 8260B)	Analysis Request: Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Analysis Request: Volatile Halocarbons (EPA 8260B)	Analysis Request: Volatile Organics Full List (EPA 8260B)	Analysis Request: Volatile Organics (EPA 524.2 Drinking Water)	Analysis Request: TPH as Diesel (EPA 8015M)	Analysis Request: TPH as Motor Oil (EPA 8015M)	Analysis Request: Total Lead (EPA 6010)	Analysis Request: W.E.T. Lead (STLC)	Analysis Request:	Analysis Request:	Analysis Request:	TAT	For Lab Use Only
																																		☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72 hr ☑ 1 wk	
MW-1	8-23-10	1024	4						X			X		X						X	X	X		X									1 wk	01
MW-2	8-23-10	1049	4						X			X		X						X	X	X		X									1 wk	02
MW-3	8-23-10	0933	4						X			X		X						X	X	X		X									1 wk	03
MW-4	8-23-10	0902	4						X			X		X						X	X	X		X									1 wk	04
MW-6	8-23-10	0959	4						X			X		X						X	X	X		X									1 wk	05

Relinquished by: Mark D. Broch	Date: 8/25/10	Time: 1441	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date: 082510	Time: 1441	Received by Laboratory: Kiff Analytical

Remarks:

STANDARD TURN AROUND TIME (One Week)

Bill to: ULTRAMAR Inc.
Attention: Mr. C. Shay Wideman

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: White - Lab; Copy - Originator
Rev: 051805

KIFF Analytical LLC

SAMPLE RECEIPT CHECKLIST

RECEIVER LJR Initials

SRG#: 74297 Date: 082510

Project ID: Former Beacon 12574-Q3

Method of Receipt: ☒ Courier ☐ Over-the-counter ☐ Shipper

COC Inspection

Is COC present?	☒ Yes	☐ No	
Custody seals on shipping container?	☐ Intact	☐ Broken ☐ Not present	☒ N/A
Is COC Signed by Relinquisher? ☒ Yes ☐ No Dated?	☒ Yes	☐ No	
Is sampler name legibly indicated on COC?	☒ Yes	☐ No	
Is analysis or hold requested for all samples	☒ Yes	☐ No	
Is the turnaround time indicated on COC?	☒ Yes	☐ No	
Is COC free of whiteout and uninitialed cross-outs?	☒ Yes	☐ No, Whiteout ☐ No, Cross-outs	

Sample Inspection

Coolant Present: ☒ Yes ☐ No (includes water)

Temperature °C 0.6 Therm. ID# IR-5 Initial LJR Date/Time 082510/1818 ☐ N/A

Are there custody seals on sample containers?	☐ Intact	☐ Broken	☒ Not present
Do containers match COC? ☒ Yes ☐ No ☐ No, COC lists absent sample(s)		☐ No, Extra sample(s) present	
Are there samples matrices other than soil, water, air or carbon?	☐ Yes	☒ No	
Are any sample containers broken, leaking or damaged?	☐ Yes	☒ No	
Are preservatives indicated? ☐ Yes, on sample containers	☒ Yes, on COC	☐ Not indicated	☐ N/A
Are preservatives correct for analyses requested?	☒ Yes	☐ No	☐ N/A
Are samples within holding time for analyses requested?	☒ Yes	☐ No	
Are the correct sample containers used for the analyses requested?	☒ Yes	☐ No	
Is there sufficient sample to perform testing?	☒ Yes	☐ No	
Does any sample contain product, have strong odor or are otherwise suspected to be hot?	☐ Yes	☒ No	

Receipt Details

Matrix WA	Container type VOA	# of containers received 20
Matrix _____	Container type _____	# of containers received _____
Matrix _____	Container type _____	# of containers received _____

Date and Time Sample Put into Temp Storage Date: 082510 Time: 1820

Quicklog

Are the Sample ID's indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If Sample ID's are listed on both COC and containers, do they all match?	☒ Yes	☐ No		☐ N/A
Is the Project ID indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If project ID is listed on both COC and containers, do they all match?	☒ Yes	☐ No		☐ N/A
Are the sample collection dates indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If collection dates are listed on both COC and containers, do they all match?	☒ Yes	☐ No		☐ N/A
Are the sample collection times indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If collection times are listed on both COC and containers, do they all match?	☒ Yes	☐ No		☐ N/A

COMMENTS:

ATTACHMENT D

HISTORICAL GROUNDWATER DATA

Table 2
Cumulative Groundwater Elevation Data
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Top of Casing Elevation (Feet)[1]	Date Sounded	Depth to Groundwater (Feet)[1]	Groundwater Elevation (Feet)[2]	Well Depth (Feet)
MW-1	156.55	03/27/92	22.43	134.12	-
		06/04/92	23.40	133.15	-
		09/23/92	24.07	132.48	-
		11/12/92	24.16	132.39	29.33
		02/02/93	21.87	134.68	29.80
		05/07/93	22.58	133.97	29.84
		05/18/93	22.66	133.89	-
		08/11/93	23.41	133.14	29.81
		11/05/93	24.09	132.46	29.81
		03/01/94	22.76	133.79	29.85
		06/02/94	23.24	133.31	29.85
		09/09/94	23.93	132.62	29.86
		12/20/94	22.94	133.61	29.85
		03/08/95	22.20	134.35	29.71
		06/14/95	22.65	133.90	29.70
		09/26/95	23.44	133.11	29.71
		12/27/95	23.04	133.51	29.72
		03/26/96	21.39	135.16	29.71
		06/05/96	22.43	134.12	29.73
		09/16/96	24.42	132.13	29.74
		12/02/96	23.14	133.41	29.75
		03/10/97	22.30	134.25	29.76
		06/12/97	22.97	133.58	29.76
		09/29/97	23.35	133.20	29.78
		12/01/97	22.73	133.82	29.79
		03/19/98	20.56	135.99	29.78
		05/28/98	21.78	134.77	29.76
		08/31/98	22.64	133.91	29.78
		12/08/98	22.87	133.68	29.76
		02/17/99	21.53	135.02	29.75
		06/10/99	22.74	133.81	29.74
		09/07/99	23.06	133.49	29.73
		12/13/00	23.06	133.46	29.74
		3/16/00	20.66	135.89	29.75
		6/12/00	22.53	134.02	29.76
		9/5/00	22.73	133.82	29.74
		11/13/00	23.20	133.35	29.74
		2/26/01	21.75	134.80	29.73
		6/12/01	22.70	133.85	29.73
		9/21/01	23.40	133.15	29.73
MW-2	155.17	03/27/92	20.82	134.35	-
		06/04/92	21.81	133.36	-
		09/23/92	22.45	132.72	-
		11/12/92	22.60	132.57	29.71

Table 2
Cumulative Groundwater Elevation Data
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Top of Casing Elevation (Feet)[1]	Date Sounded	Depth to Groundwater (Feet)[1]	Groundwater Elevation (Feet)[2]	Well Depth (Feet)
		02/02/93	20.28	134.89	29.73
		05/07/93	20.97	134.20	29.73
		05/18/93	21.06	134.11	-
		08/11/93	21.85	133.32	29.70
		11/05/93	22.32	132.85	29.70
		03/01/94	21.19	133.98	29.68
		06/02/94	21.59	133.58	29.69
		09/09/94	22.33	132.84	29.66
		12/20/94	21.37	133.80	29.65
		03/08/95	20.60	134.57	29.52
		06/14/95	21.04	134.13	29.54
		09/26/95	21.84	133.33	29.53
		12/27/95	21.44	133.73	29.56
		03/26/96	19.81	135.36	29.56
		06/05/96	20.83	134.34	29.59
		09/16/96	21.93	133.24	29.58
		12/02/96	21.54	133.63	29.58
		03/10/97	20.71	134.46	29.58
		06/12/97	21.41	133.76	29.52
		09/29/97	21.26	133.91	29.51
		12/01/97	20.97	134.20	29.50
		03/19/98	18.98	136.19	29.51
		05/28/98	20.22	134.95	29.50
		08/31/98	21.09	134.08	29.51
		12/08/98	21.31	133.86	29.50
		02/17/99	20.02	135.15	29.51
		06/10/99	21.30	133.87	29.50
		09/07/99	21.49	133.68	29.50
		12/13/99	21.52	133.65	29.50
		3/16/00	19.13	136.04	29.50
		6/12/00	20.93	134.24	29.50
		9/5/00	21.15	134.02	29.50
		11/13/00	21.66	133.51	29.50
		2/26/01	20.17	135.00	29.50
		6/12/01	21.15	134.02	29.50
		9/21/01	21.63	133.54	29.50
MW-3	157.13	03/27/92	21.46	135.67	-
		06/04/92	22.34	134.79	-
		09/23/92	22.84	134.29	-
		11/12/92	23.04	134.09	29.55
		02/02/93	21.03	136.10	29.45
		05/07/93	21.59	135.54	29.53
		05/18/93	21.73	135.40	-
		08/11/93	22.31	134.82	29.41
		11/05/93	22.85	134.28	29.41

Table 2
Cumulative Groundwater Elevation Data
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Top of Casing Elevation (Feet)[1]	Date Sounded	Depth to Groundwater (Feet)[1]	Groundwater Elevation (Feet)[2]	Well Depth (Feet)
		03/01/94	21.97	135.16	29.55
		06/02/94	22.29	134.84	29.56
		09/09/94	22.91	134.22	29.56
		12/20/94	22.11	135.02	29.54
		03/08/95	21.40	135.73	29.38
		06/14/95	21.80	135.33	29.36
		09/26/95	22.38	134.75	29.37
		12/27/95	22.07	135.06	29.37
		03/26/96	20.73	136.40	29.38
		06/05/96	21.54	135.59	29.40
		09/16/96	22.37	134.76	29.43
		12/02/96	22.35	134.78	29.45
		03/10/97	21.44	135.69	29.47
		06/12/97	21.97	135.16	29.45
		09/29/97	22.30	134.83	29.45
		12/01/97	21.78	135.35	29.46
		03/19/98	19.88	137.25	29.46
		05/28/98	20.91	136.22	29.47
		08/31/98	21.61	135.52	29.47
		12/08/98	21.83	135.30	29.47
		02/17/99	20.81	130.32	29.45
		06/10/99	21.61	135.52	29.45
		09/07/99	21.91	135.22	29.45
		12/13/99	21.93	135.20	29.44
		3/16/00	19.86	137.27	29.46
		6/12/00	21.61	135.52	29.46
		9/5/00	21.54	135.59	29.47
		11/13/00	21.98	135.15	29.46
		2/26/01	20.65	136.48	29.46
		6/12/01	21.70	135.43	29.46
		9/21/01	22.05	135.07	29.46
MW-4	151.96	05/18/93	17.55	134.41	-
		08/11/93	17.50	134.46	28.43
		11/05/93	15.84	136.12	28.43
		03/01/94	17.35	134.61	28.11
		06/02/94	17.68	134.28	28.12
		09/09/94	18.19	133.77	28.13
		12/20/94	17.52	134.44	28.10
		03/08/95	16.82	135.14	27.97
		06/14/95	17.22	134.74	27.97
		09/26/95	17.79	134.17	27.91
		12/27/95	17.47	134.49	27.89
		03/26/96	16.32	135.64	27.89
		06/05/96	17.10	134.86	27.88
		09/16/96	17.85	134.11	27.89

Table 2
Cumulative Groundwater Elevation Data
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Top of Casing Elevation (Feet)[1]	Date Sounded	Depth to Groundwater (Feet)[1]	Groundwater Elevation (Feet)[2]	Well Depth (Feet)
		12/02/96	17.59	134.37	27.88
		03/10/97	16.79	135.17	27.89
		06/12/97	17.49	134.47	27.90
		09/29/97	18.33	133.63	27.91
		12/01/97	17.36	134.60	27.90
		03/19/98	15.90	136.06	27.91
		05/28/98	16.34	135.62	27.90
		08/31/98	16.83	135.13	27.90
		12/08/98	17.37	134.59	27.91
		02/17/99	16.49	135.47	27.98
		06/10/99	17.63	134.33	24.76
		09/07/99	17.80	134.16	24.75
		12/13/99	17.82	134.14	24.73
		3/16/00	15.81	136.15	24.71
		6/12/00	16.64	135.32	24.70
		9/5/00	16.71	135.25	24.70
		11/13/00	17.24	134.72	24.70
		2/26/01	15.83	136.13	24.70
		6/12/01	16.80	135.16	24.70
		9/21/01	17.30	134.66	24.71
MW-5	148.68	05/18/93	15.72	132.96	-
		08/11/93	16.42	132.26	28.43
		11/05/93	16.92	131.76	28.43
		03/01/94	15.54	133.14	28.11
		06/02/94	16.19	132.49	28.12
		09/09/94	16.87	131.81	28.13
		12/20/94	15.87	132.84	28.10
		03/08/95	15.11	133.57	27.97
		06/14/95	15.69	132.99	27.97
		09/26/95	16.46	132.22	27.91
		12/27/95	15.91	132.77	27.89
		03/26/96	14.31	134.37	27.89
		06/05/96	15.43	133.25	27.88
		09/16/96	16.52	132.16	27.89
		12/02/96	16.05	132.63	27.88
		03/10/97	14.80	133.88	27.89
		06/12/97	15.95	132.78	27.90
		09/29/97	16.33	132.35	27.91
		12/01/97	15.48	133.20	27.90
		03/19/98	13.16	135.52	27.91
		05/28/98	14.04	134.64	27.90
		08/31/98	14.81	133.87	27.90
		12/08/98	15.75	132.93	27.91
		02/17/99	14.80	133.88	27.98
		06/10/99	15.54	133.14	24.76

Table 2
Cumulative Groundwater Elevation Data
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Top of Casing Elevation (Feet)[1]	Date Sounded	Depth to Groundwater (Feet)[1]	Groundwater Elevation (Feet)[2]	Well Depth (Feet)
		09/07/99	16.01	132.67	24.75
		12/13/99	16.21	132.47	24.73
		3/16/00	14.35	134.33	29.60
		6/12/00	15.21	133.47	29.61
		9/5/00	15.80	132.88	29.60
		11/13/00	16.21	132.47	29.60
		2/26/01	14.71	133.97	29.61
		6/12/01	15.72	132.96	29.60
		9/21/01	16.21	132.47	29.60
MW-6	153.96	05/18/93	20.80	133.16	-
		08/11/93	21.64	132.32	31.15
		11/05/93	22.11	131.85	31.15
		03/01/94	20.80	133.16	29.96
		06/02/94	21.37	132.59	29.98
		09/09/94	22.05	131.91	29.96
		12/20/94	21.06	132.90	29.89
		03/08/95	20.29	133.67	29.67
		06/14/95	20.81	133.15	29.65
		09/26/95	21.62	132.34	29.66
		12/27/95	21.12	132.84	29.63
		03/26/96	19.50	134.46	29.60
		06/05/96	20.56	133.40	29.63
		09/16/96	21.70	132.26	29.65
		12/02/96	21.25	132.71	29.66
		03/10/97	20.16	133.80	29.64
		06/12/97	21.16	132.80	29.62
		09/29/97	21.51	132.45	29.62
		12/01/97	20.89	133.07	29.61
		03/19/98	18.71	135.25	29.60
		05/28/98	19.99	133.97	29.62
		08/31/98	20.81	133.15	29.63
		12/08/98	21.00	132.96	29.64
		02/17/99	19.54	134.42	29.63
		06/10/99	20.74	133.22	27.98
		09/07/99	21.23	132.73	27.98
		12/13/99	21.22	132.74	27.98
		3/16/00	18.79	135.17	27.99
		6/12/00	20.49	133.47	27.99
		9/5/00	20.95	133.01	27.98
		11/13/00	21.44	132.52	27.98
		2/26/01	19.86	134.10	27.99
		6/12/01	20.91	133.05	27.98
		9/21/01	21.22	132.74	27.99
MW-7	156.09	05/18/93	22.64	133.45	-

Table 2
Cumulative Groundwater Elevation Data
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Top of Casing Elevation (Feet)[1]	Date Sounded	Depth to Groundwater (Feet)[1]	Groundwater Elevation (Feet)[2]	Well Depth (Feet)
		08/11/93	23.25	132.84	30.75
		11/05/93	23.93	132.16	30.75
		03/01/94	22.72	133.37	30.11
		06/02/94	23.22	132.87	30.12
		09/09/94	23.90	132.19	30.12
		12/20/94	22.98	133.11	30.10
		03/08/95	22.14	133.95	29.91
		06/14/95	22.61	133.48	29.91
		09/26/95	23.43	132.66	29.90
		12/27/95	23.01	133.08	29.90
		03/26/96	21.32	134.77	29.87
		06/05/96	22.37	133.72	29.91
		09/16/96	23.51	132.58	29.90
		12/02/96	23.08	133.01	29.91
		03/10/97	21.94	134.15	29.90
		06/12/97	22.96	133.13	29.88
		09/29/97	23.35	132.74	29.87
		12/01/97	22.68	133.41	29.88
		03/19/98	20.52	135.57	29.88
		05/28/98	21.76	134.33	29.88
		08/31/98	22.66	133.43	29.86
		12/08/98[3]			
MW-8	158.04	05/18/93	21.55	136.49	-
		08/11/93	22.43	135.61	34.82
		11/05/93	23.00	135.04	34.82
		03/01/94	22.05	135.99	34.04
		06/02/94	22.29	135.75	34.04
		09/09/94	22.99	135.05	34.04
		12/20/94	22.14	135.90	33.98
		03/08/95	21.25	136.79	34.48
		06/14/95	21.70	136.34	34.49
		09/26/95	22.29	135.75	34.40
		12/27/95	21.96	136.08	34.43
		03/26/96	20.48	137.56	34.42
		06/05/96	21.50	136.54	34.41
		09/16/96	22.38	135.66	34.43
		12/02/96	22.39	135.65	34.42
		03/10/97	20.89	137.16	34.43
		06/12/97	21.80	136.24	34.42
		09/29/97	22.81	135.23	34.40
		12/01/97	21.70	136.34	34.41
		03/19/98	19.35	138.69	34.42
		05/28/98	20.52	137.52	34.41
		08/31/98	21.40	136.64	34.40
		12/08/98[3]			

Table 2
Cumulative Groundwater Elevation Data
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Top of Casing Elevation (Feet)[1]	Date Sounded	Depth to Groundwater (Feet)[1]	Groundwater Elevation (Feet)[2]	Well Depth (Feet)

NOTES:
1 : Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 : Elevation reference to mean sea level.
Well Depth : Measured from top of casing to bottom of well.
3 : Well abandoned.

Table 3
Summary of Groundwater Analytical Results
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Sample Date	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-1	03/27/92	5,600	<50	<50	760	900	230	1,100	-
	06/04/92	2,600	<800	NA	270	57	230	440	-
	09/23/92	3,400	NA	NA	480	430	110	550	-
	11/12/92	2,700	NA	NA	5.8	<5.0	140	340	-
	02/02/93	8,500	NA	NA	760	770	250	1,200	-
	05/07/93	7,700	NA	NA	970	630	280	1,500	-
	08/11/93	11,000	NA	NA	1,400	1,000	280	1,600	-
	11/05/93	36,000	NA	NA	6,200	4,700	1,400	7,100	-
	03/01/94	3,800	NA	NA	580	490	110	620	-
	06/02/94	8,900	NA	NA	1,900	1,200	480	2,100	-
	09/09/94	4,300	NA	NA	740	290	200	630	-
	12/20/94	3,900	NA	NA	550	260	150	510	-
	03/08/95	8,100	NA	NA	1,100	540	250	1,100	-
	06/14/95	NS	NS	NS	NS	NS	NS	NS	-
	09/26/95	8,600	NA	NA	2,100	550	420	1,300	-
	12/27/95	NS	NS	NS	NS	NS	NS	NS	-
	03/26/96	21,000	NA	NA	7,000	2,700	590	7,000	-
	06/05/96	NS	NS	NS	NS	NS	NS	NS	-
	09/16/96	13,000	NA	NA	3,200	770	420	2,900	1,400
	12/02/96	NS	NS	NS	NS	NS	NS	NS	NS
	03/10/97	30,000	NA	NA	7,300	1,900	850	7,100	1,100
	06/12/97	NS	NS	NS	NS	NS	NS	NS	NS
	09/29/97	25,000	NA	NA	840	5,500	920	920	4,000
	12/01/97	NS	NS	NS	NS	NS	NS	NS	NS
	03/19/98	90,000	NA	NA	15,000	7,000	3,300	20,000	<1,500
	05/28/98	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/98	50,000	NA	NA	9,900	1,500	2,100	9,400	890
	12/08/98	NS	NS	NS	NS	NS	NS	NS	NS
	02/17/99	30,000	NA	NA	8,000	1,100	2,200	10,000	720
	06/10/99	NS	NS	NS	NS	NS	NS	NS	NS
	09/07/99	37,000	NA	NA	13,000	410	2,000	10,000	570
	12/13/99	NS	NS	NS	NS	NS	NS	NS	NS
	3/16/00	59,000	NA	NA	9,600	430	2,100	9,200	730
	6/12/00	NS	NS	NS	NS	NS	NS	NS	NS
	9/5/00	49,000	NA	NA	8,000	230	2,100	6,400	740
	11/13/00	NS	NS	NS	NS	NS	NS	NS	NS
	2/26/01	56,000	NA	NA	7,000	240	2,000	6,800	620
	6/12/01	NS	NS	NS	NS	NS	NS	NS	NS

Table 3
Summary of Groundwater Analytical Results
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Sample Date	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
	9/21/01	23,000	NA	NA	4,600	75	1,200	2,300	450
MW-2	03/27/92	18,000	<50	<50	2,400	2,300	870	3,300	-
	06/04/92	14,000	<5,000	NA	1,900	1,700	580	2,300	-
	09/23/92	22,000	NA	NA	2,100	1,500	760	2,900	-
	11/12/92	29,000	NA	NA	2,400	860	540	3,500	-
	02/02/93	24,000	NA	NA	2,700	1,900	590	2,600	-
	05/07/93	19,000	NA	NA	1,800	1,300	460	2,600	-
	08/11/93	23,000	NA	NA	2,300	1,500	550	2,300	-
	11/05/93	30,000	NA	NA	3,100	2,900	860	3,700	-
	03/01/94	13,000	NA	NA	1,500	490	350	1,100	-
	06/02/94	12,000	NA	NA	2,000	790	460	1,300	-
	09/09/94	13,000	NA	NA	1,800	660	440	1,000	-
	12/20/94	16,000	NA	NA	2,300	1,000	650	1,900	-
	03/08/95	16,000	NA	NA	2,200	1,000	550	2,100	-
	06/14/95	NS	NS	NS	NS	NS	NS	NS	-
	09/26/95	18,000	NA	NA	2,500	1,000	770	2,700	-
	12/27/95	NS	NS	NS	NS	NS	NS	NS	-
	03/26/96	33,000	NA	NA	4,200	2,600	1,000	5,000	-
	06/05/96	NS	NS	NS	NS	NS	NS	NS	-
	09/16/96	19,000	NA	NA	2,600	490	560	2,000	940
	12/02/96	NS	NS	NS	NS	NS	NS	NS	NS
	03/10/97	23,000	NA	NA	3,700	870	650	3,000	1,400
	06/12/97	NS	NS	NS	NS	NS	NS	NS	NS
	09/29/97	30,000	NA	NA	4,900	880	990	3,800	1,400
	12/01/97	NS	NS	NS	NS	NS	NS	NS	NS
	03/19/98	72,000	NA	NA	14,000	9,500	2,300	11,000	<1,500
	05/28/98	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/98	29,000	NA	NA	4,900	1,600	960	3,900	890
	12/08/98	NS	NS	NS	NS	NS	NS	NS	NS
	02/17/99	26,000	NA	NA	5,200	930	1,200	4,400	640
	06/10/99	NS	NS	NS	NS	NS	NS	NS	NS
	09/07/99	32,000	NA	NA	5,700	600	1200	3,500	1,100
	12/13/99	NS	NS	NS	NS	NS	NS	NS	NS
	3/16/00	38,000	NA	NA	4,900	780	1,100	3,700	870
	6/12/00	NS	NS	NS	NS	NS	NS	NS	NS
	9/5/00	21,000	NA	NA	3,400	490	730	2,200	1,000
	11/13/00	NS	NS	NS	NS	NS	NS	NS	NS
	2/26/01	33,000	NA	NA	5,200	260	1,400	3,200	740

Table 3
Summary of Groundwater Analytical Results
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Sample Date	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
	6/12/01	NS	NS	NS	NS	NS	NS	NS	NS
	9/21/01	63,000	NA	NA	4,400	180	1,000	2,000	730
MW-3	03/27/92	160	<50	<50	9.2	4.8	10	23	-
	06/04/92	120	<50	NA	7.5	2.7	0.5	15	-
	09/23/92	220	NA	NA	8.3	4.3	62	19	-
	11/12/92	230	NA	NA	12	5.5	77	19	-
	02/02/93	86	NA	NA	2.4	0.71	27	6.2	-
	05/07/93	140	NA	NA	2.6	1.2	39	8.4	-
	08/11/93	490	NA	NA	15	8.1	14	37	-
	11/05/93	820	NA	NA	45	24	34	93	-
	03/01/94	410	NA	NA	7.4	2.7	56	10	-
	06/02/94	440	NA	NA	13	4.9	14	31	-
	09/09/94	620	NA	NA	12	4.8	97	20	-
	12/20/94	770	NA	NA	24	11	16	36	-
	03/08/95	300	NA	NA	6.1	0.97	4.8	7.5	-
	06/14/95	NS	NS	NS	NS	NS	NS	NS	-
	09/26/95	130	NA	NA	4.8	1.6	4.8	9.4	-
	12/27/95	NS	NS	NS	NS	NS	NS	NS	-
	03/26/96	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	-
	06/05/96	NS	NS	NS	NS	NS	NS	NS	-
	09/16/96	170	NA	NA	10	2.9	44	15	<5.0
	12/02/96	NS	NS	NS	NS	NS	NS	NS	NS
	03/10/97	84	NA	NA	2.3	<0.50	14	2.6	<5.0
	06/12/97	NS	NS	NS	NS	NS	NS	NS	NS
	09/29/97	740	NA	NA	61	9.8	42	61	<5.0
	12/01/97	NS	NS	NS	NS	NS	NS	NS	NS
	03/19/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	05/28/98	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/98	320	NA	NA	6.7	1.0	10	9.3	3.4
	12/08/98	NS	NS	NS	NS	NS	NS	NS	NS
	02/17/99	310	NA	NA	<5.0	8.6	1.8	13	14
	06/10/99	NS	NS	NS	NS	NS	NS	NS	NS
	09/07/99	99	NA	NA	4.2	0.51	4.0	3.0	<5.0
	12/13/99	NS	NS	NS	NS	NS	NS	NS	NS
	3/16/00	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	6/12/00	NS	NA	NA	NS	NS	NS	NS	NS
	9/5/00	240	NA	NA	3.0	0.53	9.6	4.0	<5.0
	11/13/00	NS	NA	NA	NS	NS	NS	NS	NS

Table 3
Summary of Groundwater Analytical Results
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Sample Date	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
	2/26/01	**100**	NA	NA	**0.84**	<0.50	**3.5**	**1.7**	**0.84**
	6/12/01	NS	NS	NS	NS	NS	NS	NS	NS
	8/27/01[3]	-	-	-	-	-	-	-	
MW-4	05/18/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	08/11/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	11/05/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	03/01/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	06/02/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	09/09/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	12/20/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	03/08/95	NS	NS	NS	NS	NS	NS	NS	-
	06/14/95	NS	NS	NS	NS	NS	NS	NS	-
	09/26/95	NS	NS	NS	NS	NS	NS	NS	-
	12/27/95	NS	NS	NS	NS	NS	NS	NS	-
	03/26/96	NS	NS	NS	NS	NS	NS	NS	-
	06/05/96	NS	NS	NS	NS	NS	NS	NS	-
	09/16/96	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	12/02/96	NS	NS	NS	NS	NS	NS	NS	NS
	03/10/97	NS	NS	NS	NS	NS	NS	NS	NS
	06/12/97	NS	NS	NS	NS	NS	NS	NS	NS
	09/29/97	NS	NS	NS	NS	NS	NS	NS	NS
	12/01/97	NS	NS	NS	NS	NS	NS	NS	NS
	03/19/98	NS	NS	NS	NS	NS	NS	NS	NS
	05/28/98	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/98	NS	NS	NS	NS	NS	NS	NS	NS
	12/08/98	NS	NS	NS	NS	NS	NS	NS	NS
	02/17/99	NS	NS	NS	NS	NS	NS	NS	NS
	06/10/99	NS	NS	NS	NS	NS	NS	NS	NS
	09/07/99	NS	NS	NS	NS	NS	NS	NS	NS
	12/13/99	NS	NS	NS	NS	NS	NS	NS	NS
	3/16/00	NS	NS	NS	NS	NS	NS	NS	NS
	6/12/00	NS	NS	NS	NS	NS	NS	NS	NS
	9/5/00	NS	NS	NS	NS	NS	NS	NS	NS
	11/13/00	NS	NS	NS	NS	NS	NS	NS	NS
	2/26/01	NS	NS	NS	NS	NS	NS	NS	NS
	6/12/01	NS	NS	NS	NS	NS	NS	NS	NS
	8/27/01[3]	-	-	-	-	-	-	-	-
MW-5	05/18/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	08/11/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-

Table 3
Summary of Groundwater Analytical Results
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Sample Date	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
	11/05/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	03/01/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	06/02/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	09/09/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
MW-5	12/20/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
(cont.)	03/08/95	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	06/14/95	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	09/26/95	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	-
	12/27/95	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	-
	03/26/96	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	-
	06/05/96	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**15**
	09/16/96	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**20**
	12/02/96	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**12**
	03/10/97	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**7.0**
	06/12/97	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	**7.2**
	09/29/97	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	12/01/97	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	03/19/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	05/28/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	08/31/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	12/08/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	02/17/99	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	06/10/99	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	09/07/99	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	12/13/99	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	3/16/00	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	6/12/00	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	9/5/00	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	11/13/00	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	2/26/01	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	6/12/01	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	8/27/01[3]	-	-	-	-	-	-	-	-
MW-6	05/18/93	**170**	NA	NA	<0.5	<0.5	<0.5	<0.5	
	08/11/93	**78**	NA	NA	<0.5	<0.5	<0.5	<0.5	
	11/05/93	**170**	NA	NA	<0.5	<0.5	<0.5	<0.5	
	03/01/94	**210**	NA	NA	<0.5	<0.5	<0.5	<0.5	
	06/02/94	**190**	NA	NA	<0.5	<0.5	<0.5	<0.5	
	09/09/94	**140**	NA	NA	<0.5	<0.5	<0.5	<0.5	
	12/20/94	**210**	NA	NA	<0.5	<0.5	<0.5	<0.5	

Table 3
Summary of Groundwater Analytical Results
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Sample Date	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
	03/08/95	180[1]	NA	NA	<0.5	<0.5	<0.5	<0.5	
	06/14/95	220[1]	NA	NA	<0.5	<0.5	<0.5	<0.5	
	09/26/95	110[1]	NA	NA	<0.50	<0.50	<0.50	<0.50	
	12/27/95	130[1]	NA	NA	<0.50	<0.50	<0.50	<0.50	
	03/08/95	100[1]	NA	NA	<0.50	<0.50	<0.50	<0.50	
MW-6	06/05/96	100[1]	NA	NA	<0.50	<0.50	<0.50	<0.50	430
(cont.)	09/16/96	170	NA	NA	<0.50	<0.50	<0.50	<0.50	430
	12/02/96	160	NA	NA	<0.50	<0.50	<0.50	<0.50	160
	03/10/97	140	NA	NA	<0.50	<0.50	<0.50	<0.50	390
	06/12/97	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	330
	09/29/97	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	130
	12/01/97	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	200
	03/19/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	240
	05/28/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	290
	08/31/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	290
	12/08/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	230
	02/17/99	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	200
	06/10/99	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	290
	09/07/99	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	230
	12/13/99	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	180
	3/16/00	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	260
	6/12/00	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	160
	9/5/00	<50	NA	NA	<0.50	0.50	<0.50	0.81	170
	11/13/00	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	190
	2/26/01	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	130
	6/12/01	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	96
	8/27/01[3]	-	-	-	-	-	-	-	-
MW-7	05/18/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	
	08/11/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	
	11/05/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	
	03/01/94	60	NA	NA	<0.5	<0.5	<0.5	<0.5	
	06/02/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	
	09/09/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	
	12/20/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	
	03/08/95	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	
	06/14/95	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	
	09/26/95	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	
	12/27/95	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	

Table 3
Summary of Groundwater Analytical Results
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Sample Date	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
	03/08/95	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	
	06/05/96	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	20
	09/16/96	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	26
	12/02/96	140	NA	NA	<0.50	<0.50	<0.50	<0.50	140
	03/10/97	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	29
	06/12/97	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	28
	09/29/97	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	27
MW-7	12/01/97	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	29
(cont.)	03/19/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	6.0
	05/28/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	25
	08/31/98	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	20
	12/08/98[2]								
MW-8	05/18/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	08/11/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	11/05/93	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	03/01/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	06/02/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	09/09/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	12/20/94	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	-
	03/08/95	NS	NS	NS	NS	NS	NS	NS	-
	06/14/95	NS	NS	NS	NS	NS	NS	NS	-
	09/26/95	NS	NS	NS	NS	NS	NS	NS	-
	12/27/95	NS	NS	NS	NS	NS	NS	NS	-
	03/08/95	NS	NS	NS	NS	NS	NS	NS	-
	06/05/96	NS	NS	NS	NS	NS	NS	NS	-
	09/16/96	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<5.0
	12/02/96	NS	NS	NS	NS	NS	NS	NS	NS
	03/10/97	NS	NS	NS	NS	NS	NS	NS	NS
	06/12/97	NS	NS	NS	NS	NS	NS	NS	NS
	09/29/97	NS	NS	NS	NS	NS	NS	NS	NS
	12/01/97	NS	NS	NS	NS	NS	NS	NS	NS
	03/19/98	NS	NS	NS	NS	NS	NS	NS	NS
	05/28/98	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/98	NS	NS	NS	NS	NS	NS	NS	NS
	12/08/98[2]								

Notes:
<: Below indicated detection limit.
NS : Not sampled.
NA: Not Analyzed.

Table 3
Summary of Groundwater Analytical Results
Former Beacon Station # 12574 - Castro Valley, California

Well ID	Sample Date	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)

[1] : Product not typical gasoline.
[2] : Well abandoned
[3] : As directed by Alameda County, Monitoring wells not sampled.

ATTACHMENT E

GEOTRACKER ELECTRONIC DATA DELIVERABLE

CONFIRMATION SHEETS

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	GEO_WELL
Submittal Title:	1574-Q310
Facility Global ID:	T0600100155
Facility Name:	BEACON #12574
File Name:	GEO_WELL.zip
Organization Name:	Horizon Environmental Inc.
Username:	HORIZON
IP Address:	69.12.226.3
Submittal Date/Time:	10/12/2010 11:59:12 AM
Confirmation Number:	8651986658

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A GEO_REPORT FILE

SUCCESS

Your GEO_REPORT file has been successfully submitted!

Submittal Type:	GEO_REPORT
Report Title:	12574-1Q10-SAMR
Report Type:	Monitoring Report - Semi-Annually
Report Date:	2/25/2010
Facility Global ID:	T0600100155
Facility Name:	BEACON #12574
File Name:	12574-SAMR-1Q10.pdf
Username:	Horizon Environmental Inc.
Username:	HORIZON
IP Address:	69.12.226.3
Submittal Date/Time:	3/1/2010 10:54:22 AM
Confirmation Number:	5568375945