



HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

February 25, 2010

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

RECEIVED

9:19 am, Mar 02, 2010

Alameda County
Environmental Health

Subject: **Transmittal of Semi-Annual Monitoring Report**
First 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 February 25, 2010. The report documents results of first 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

February 25, 2010

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

Subject: **Semi-Annual Groundwater Monitoring Report**
First Quarter 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 first quarter 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 off-site to the south on an adjoining property (Figure 2).

Groundwater Monitoring

Groundwater monitoring activities were conducted by Horizon on January 29, 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 January 29, 2010, Horizon transported the 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 (ELAP No. 2236) 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. Groundwater monitoring previously performed at the Site has indicated a similar groundwater flow direction and magnitude. The distribution of TPHg, Benzene and MTBE analytical data are shown on 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 quarter and the Quarterly Monitoring Report EDD (GEO_REPORT) upload confirmation sheet for the previous quarter 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 recommended the following work be performed at the Site:

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.
2. Install a replacement groundwater delineation well (MW-5A) within Sixth Avenue to the west or southwest of former well MW-5.
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. The 2009 HVDPE work has indicated that vapor extraction is feasible for removal of gasoline vapors from the vadose zone beneath the Site.
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.
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.

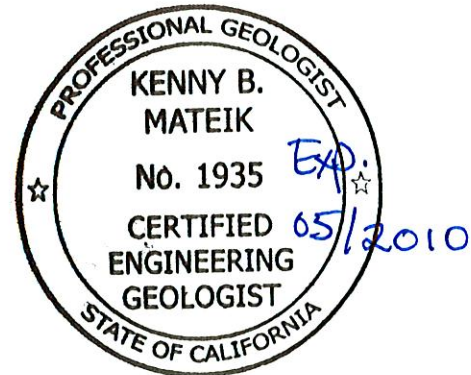
If you have any questions, please contact Horizon at (916) 939-2170.

Sincerely,

HORIZON ENVIRONMENTAL INC.

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 3: Groundwater Analytical Summary
- Figure 4: Benzene Isoconcentration Map

Table 1: Groundwater Monitoring Data

Attachment A: Horizon Field Methods and Procedures

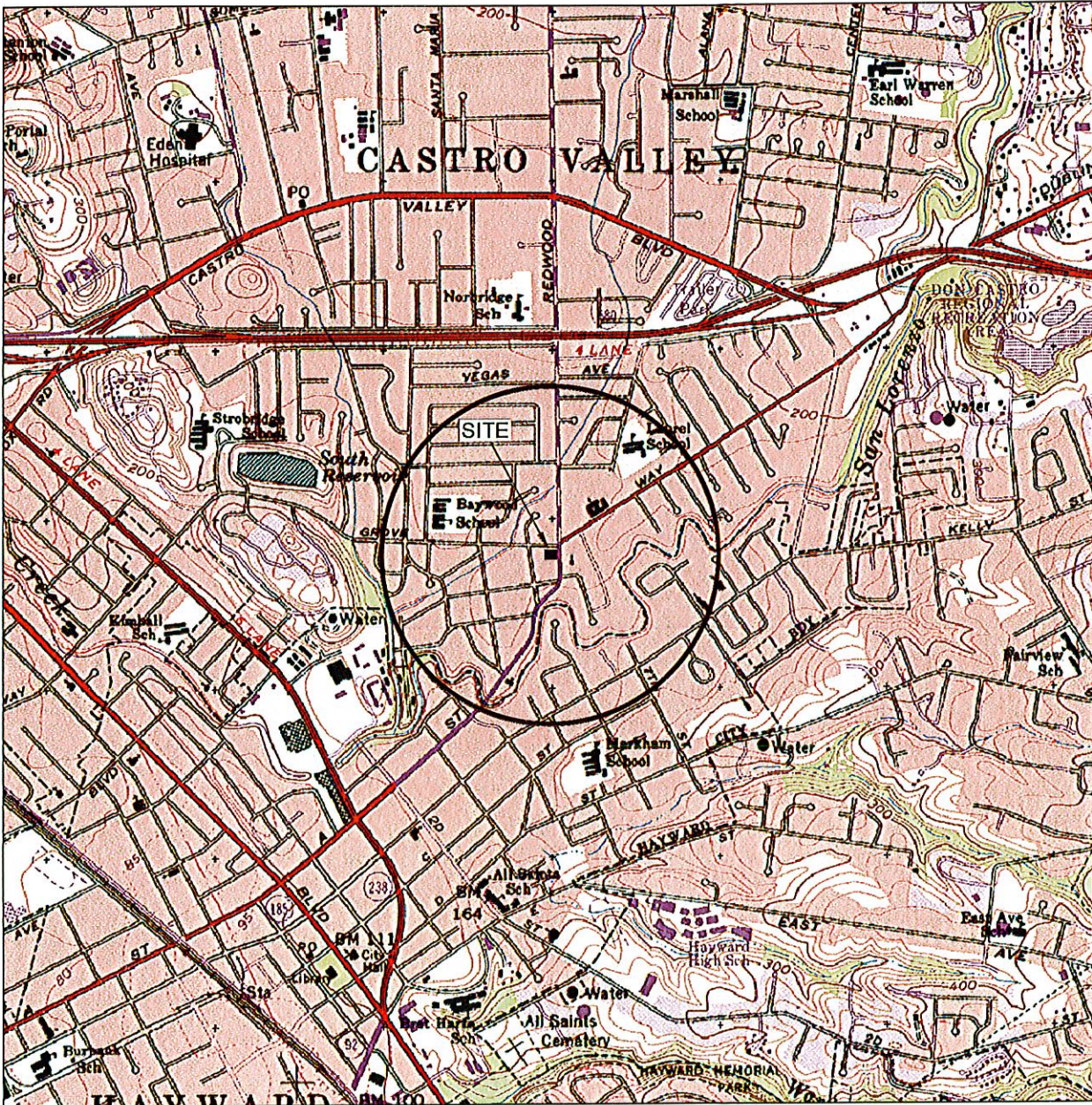
Attachment B: Horizon Monitoring Well Data Sheets
Purge Water Disposal Documentation

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



R.2W.

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



QUADRANGLE LOCATION



SCALE 1:24,000



NORTH



HORIZON ENVIRONMENTAL INC.

Project Number: 1574.41
 Prepared By: K. Liptak
 Reviewed By: K. Mateik

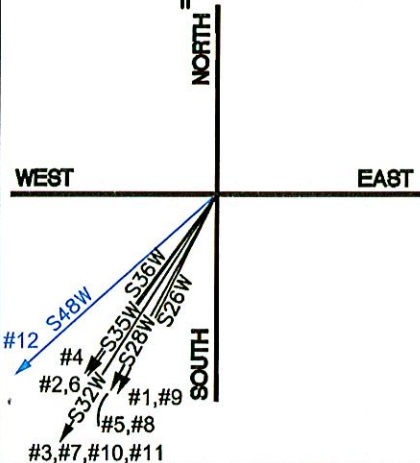
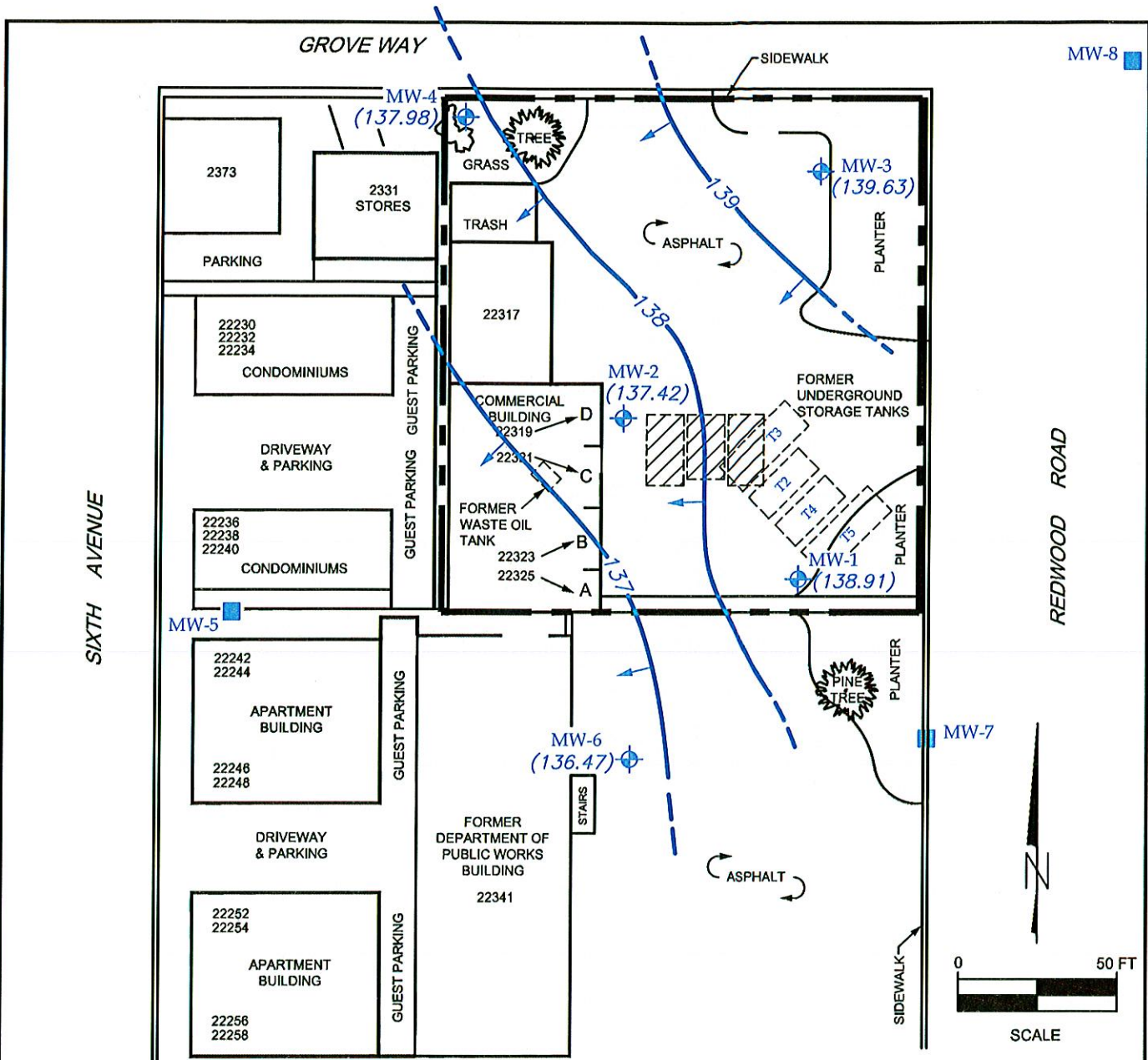
Drawn By: M. LaCoste
 Date: 10/7/04
 Revised Date:

SITE LOCATION MAP

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

FIGURE

1

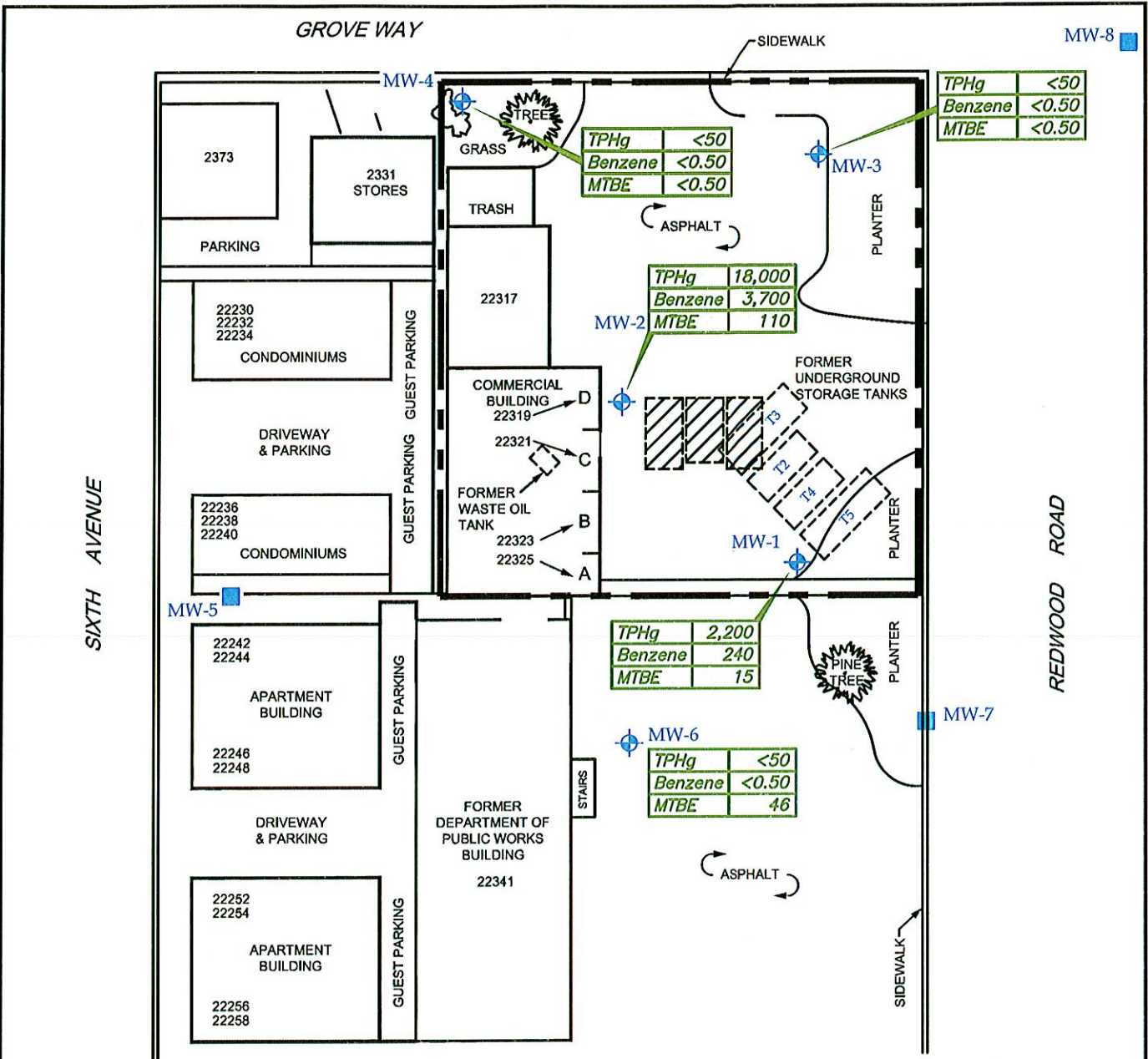


Date	Direction Of Groundwater Flow	ID No.
08/31/04	S 26 W	#1
02/01/05	S 35 W	#2
07/29/05	S 32 W	#3
01/16/05	S 36 W	#4
08/30/06	S 28 W	#5
02/13/07	S 35 W	#6
08/13/07	S 32 W	#7
02/11/08	S 28 W	#8
07/29/08	S 26 W	#9
02/25/09	S 32 W	#10
08/26/09	S 32 W	#11
01/29/10	S 48 W	#12

- EXPLANATION:**
- MW-6 Groundwater Monitoring Well
 - MW-8 Abandoned Monitoring Well
 - Former Shell Oil USTs
 - (139.63) Elevation of Groundwater Measured In Feet; Datum Is Mean Sea Level
 - 139 Line Of Equal Elevation Of Groundwater Measured In Feet; Datum Is Mean Sea Level
 - Direction Of Groundwater Flow
 - (NM) Not Measured
 - Wells Measured 1/29/10

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

	HORIZON ENVIRONMENTAL INC.		SITE MAP/GROUNDWATER ELEVATION CONTOUR MAP	FIGURE
	Project Number: 1574.47 Prepared By: K. Liptak Reviewed By: K. Matelk	Drawn By: C. Bechtell Date: 02/10 Revised Date:	FORMER BEACON STATION NO. 12574 22315 REDWOOD ROAD CASTRO VALLEY, CA.	2



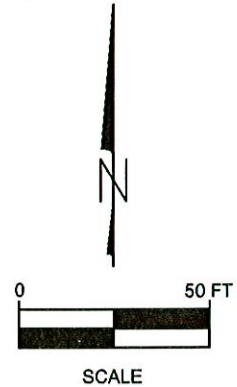
EXPLANATION:

- MW-6 Groundwater Monitoring Well
- MW-8 Abandoned Monitoring Well

Former Shell Oil USTs

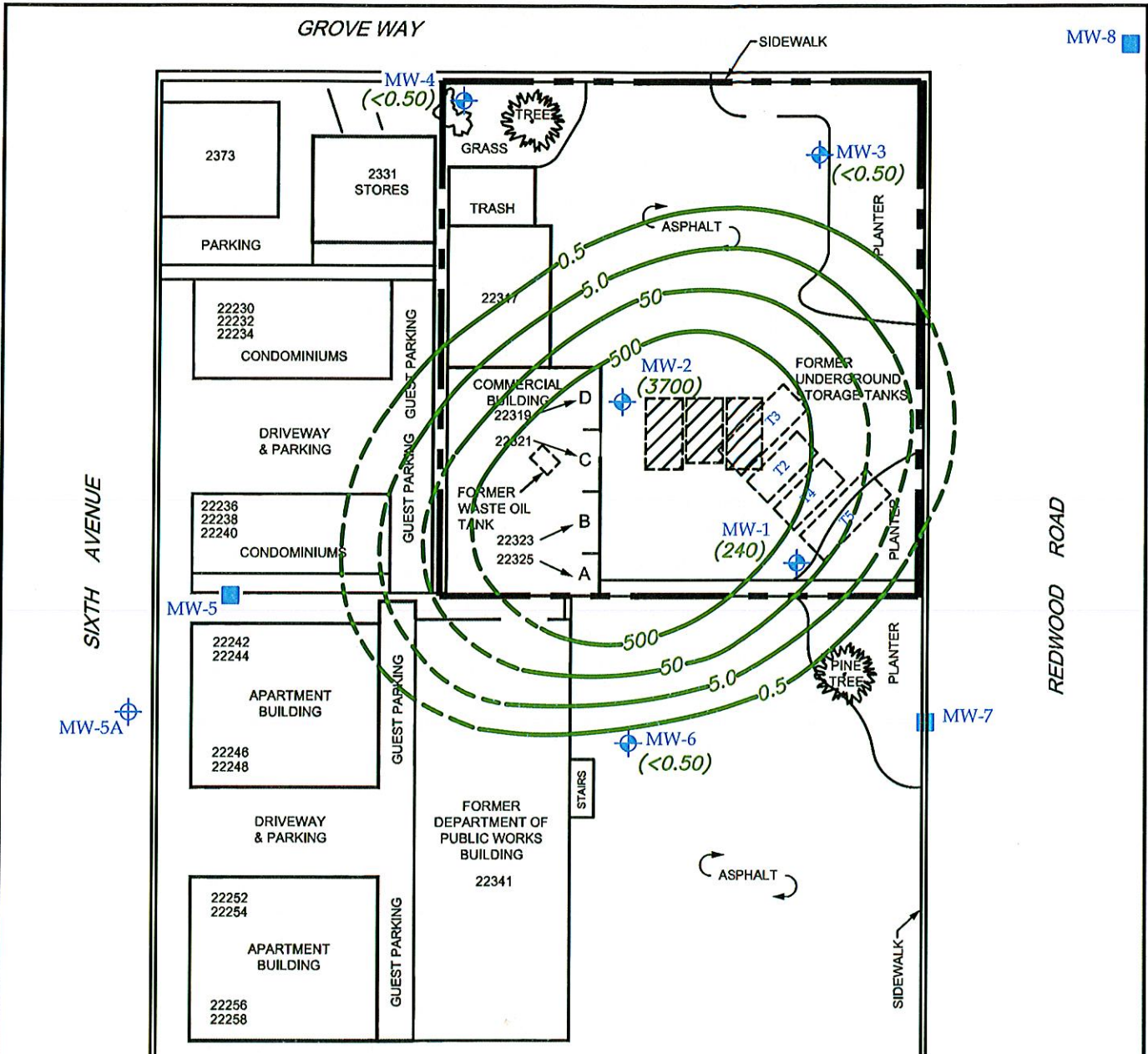
TPHg	18,000	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE IN PARTS PER MILLION (ppm)
Benzene	3,700	BENZENE CONCENTRATION IN ppm
MTBE	110	METHYL-TERT BUTYL ETHER IN ppm

(NS) Not Sampled
 Wells Sampled 1/29/10









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

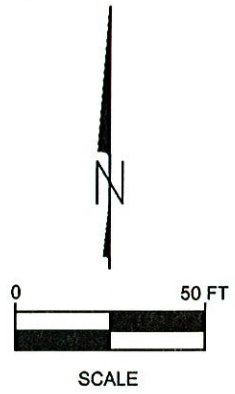
HORIZON ENVIRONMENTAL INC.		GROUNDWATER ANALYTICAL SUMMARY FORMER BEACON STATION NO. 12574 22315 REDWOOD ROAD CASTRO VALLEY, CA.	FIGURE 3
Project Number: 1574.47 Prepared By: K. Liptak Reviewed By: K. Mateik	Drawn By: C. Bechtell Date: 02/10 Revised Date:		




EXPLANATION:

-  MW-5A Proposed Monitoring Well
-  MW-6 Groundwater Monitoring Well
-  MW-8 Abandoned Monitoring Well
-  Former Shell Oil USTs
-  (3700) Benzene Concentrations Measured In Parts Per Billion
-  500 Line Of Equal Concentration Of Benzene Measured In Parts Per Billion

Wells Sampled 01/29/10



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

 HORIZON ENVIRONMENTAL INC.		BENZENE ISOCONCENTRATION MAP FORMER BEACON STATION NO. 12574 22315 REDWOOD ROAD CASTRO VALLEY, CA.	FIGURE 4
Project Number: 1574.47 Prepared By: K. Liptak Reviewed By: K. Mateik	Drawn By: C. Bechtell Date: 02/10 Revised Date:		

**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 screen interval 10' - 30'	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	
	03/04/03	30,000	6,000	130	1,300	2,900	490	22.43		136.27	
	09/09/03	18,000	3,900	69	760	1,700	390	23.02		135.68	
	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	
MW-2 screen interval 10' - 30'	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	
	03/04/03	20,000	3,400	200	590	1,100	670	20.86		136.47	
	09/09/03	19,000	3,200	120	630	940	630	21.45		135.88	
	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	

**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 screen interval 10' - 30'	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	
	03/04/03	ns	ns	ns	ns	ns	ns	21.48		137.75	
	09/09/03	ns	ns	ns	ns	ns	ns	21.84		137.39	
	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	
MW-4 screen interval 13' - 28'	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	
	03/04/03	ns	ns	ns	ns	ns	ns	16.70		137.43	
	09/09/03	ns	ns	ns	ns	ns	ns	17.48		136.65	
	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	

**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	unable to locate due to construction unable to locate due to construction unable to locate due to construction well destroyed
	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	
	02/01/05	ns	ns	ns	ns	ns	ns	nm		nm	
	07/29/05	ns	ns	ns	ns	ns	ns	nm		nm	
	01/16/06	--	--	--	--	--	--	--		--	
MW-6 screen interval 15' - 30'	02/11/02	ns	ns	ns	ns	ns	ns	20.78	156.11	135.33	no comments no comments no comments no comments no comments no comments no comments no comments no comments no comments no comments no comments no comments no comments no comments no comments
	08/21/02	ns	ns	ns	ns	ns	ns	21.41		134.70	
	03/04/03	ns	ns	ns	ns	ns	ns	20.64		135.47	
	09/09/03	ns	ns	ns	ns	ns	ns	21.23		134.88	
	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	
	02/01/05	ns	ns	ns	ns	ns	ns	20.22		135.89	
	07/29/05	ns	ns	ns	ns	ns	ns	20.78		135.33	
	01/16/06	ns	ns	ns	ns	ns	ns	19.92		136.19	
	08/30/06	<50	<0.50	<0.50	<0.50	<0.50	71	20.94		135.17	
	02/13/07	ns	ns	ns	ns	ns	ns	20.35		135.76	
	08/13/07	ns	ns	ns	ns	ns	ns	21.29		134.82	
	02/11/08	ns	ns	ns	ns	ns	ns	19.50		136.61	
	07/29/08	ns	ns	ns	ns	ns	ns	21.23		134.88	
	02/25/09	<50	<0.50	<0.50	<0.50	<0.50	45	19.95		136.16	
	08/26/09	<50	<0.50	<0.50	<0.50	<0.50	43	21.27		134.84	
01/29/10	<50	<0.50	<0.50	<0.50	<0.50	46	19.64		136.47		

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 ($\text{ppm} \times 0.1$), 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 dewateres, 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 <i>Fmr Beacon No. 12574</i>	Job No. <i>1574.47</i>
Location <i>22315 Redwood Rd.</i>	Date <i>1-29-10</i>
City <i>Castro Valley</i>	Time <i>0820</i>

Well I.D.	Total Well Depth	Depth to Liquid	Hydrocarbon Thickness	Measurement Point TOB or TOC	Comments
<i>MW-1</i>	<i>29.90</i>	<i>20.51</i>		<i>TOC</i>	
<i>MW-2</i>	<i>29.75</i>	<i>19.91</i>		↓	
<i>MW-3</i>	<i>29.59</i>	<i>19.60</i>			
<i>MW-4</i>	<i>28.15</i>	<i>16.15</i>			
<i>MW-6</i>	<i>30.00</i>	<i>19.64</i>			

Comments:

Sampler: *Mark D. Brock*

Assistant: _____

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

MONITORING WELL DATA

Station No. <i>Final Beacon No. 12574</i>	Location <i>Castro Valley</i>
Address <i>22315 Redwood Rd.</i>	Job No. <i>1574.47</i>
Well No. <i>MW-1</i>	Date <i>1-29-10</i>

T.D. - D.T.W. x VF = Casing Volume			
<i>30.00</i>	<i>- 20.51 = 9.49</i>	<i>x 1.66 = 6.26 x 4</i>	<i>= 25.04 (25.25)</i>

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

Gals. Purged	<i>7</i>	<i>14</i>	<i>21</i>	<i>25.25</i>		
Conduct.	<i>878</i>	<i>881</i>	<i>861</i>	<i>859</i>		
P/H	<i>7.11</i>	<i>6.53</i>	<i>6.52</i>	<i>6.51</i>		
Temp (°F)	<i>66.5</i>	<i>68.9</i>	<i>70.1</i>	<i>70.2</i>		
Turbid	<i>clear</i>	<i>clear</i>	<i>clear</i>	<i>clear</i>		
Product/Sheen	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	Sample time	<i>1054</i>
Time	<i>1035</i>	<i>1040</i>	<i>1045</i>	<i>1049</i>		
Odor	<i>slight</i>	<i>slight</i>	<i>slight</i>	<i>slight</i>		

Total Volume Purged: *4*

Purging Equipment:
Pump

Total Gallons Purged:
25.25

Sampling Equipment:
bailer

Sample Containers:
4 VOA w/ HCL

D.T.W. after purging:
28.63

H₂O Stored? *tank - Instrat*

Comments: *D.O 1.2 ORP -5*

Mark D. Brock
Technician

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

MONITORING WELL DATA

Station No. <i>FWR Beacon No. 12574</i>	Location <i>Castro Valley</i>
Address <i>22315 Redwood Rd.</i>	Job No. <i>1574.47</i>
Well No. <i>MW-2</i>	Date <i>1-29-18</i>

T.D. - D.T.W. x *VF = Casing Volume			
<i>30.00</i>	<i>-19.91 - 10.09</i>	<i>x .66 = 6.65 x 4</i>	<i>= 26.60 (27)</i>

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

Gals. Purged	<i>7</i>	<i>14</i>	<i>21</i>	<i>27</i>			
Conduct.	<i>1052</i>	<i>1069</i>	<i>1034</i>	<i>1047</i>			
P/H	<i>6.81</i>	<i>6.45</i>	<i>6.71</i>	<i>6.49</i>			
Temp (°F)	<i>66.8</i>	<i>68.7</i>	<i>68.5</i>	<i>68.6</i>			
Turbid	<i>Slight</i>	<i>Slight</i>	<i>Mod.</i>	<i>Mod.</i>			
Product/Sheen	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	Sample time	<i>112.7</i>	
Time	<i>1108</i>	<i>1113</i>	<i>1118</i>	<i>1122</i>			
Odor	<i>Strong</i>	<i>Slight</i>	<i>strong</i>	<i>strong</i>			

Total Volume Purged: *4*

Purging Equipment: *Pump*

Total Gallons Purged: *27*

Sampling Equipment: *bailer*

Sample Containers: *4 V&A w/HCL*

D.T.W. after purging: *28.73*

H₂O Stored? *tank - Instruct*

Comments: *D.O 1.1 ORP - 26*

Mark D. Brooks
Technician

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

MONITORING WELL DATA

Station No. <u>fmr Beacon No. 12574</u>	Location <u>Castro Valley</u>
Address <u>22315 Redwood Rd.</u>	Job No. <u>1574.47</u>
Well No. <u>MW-3</u>	Date <u>1-29-10</u>

T.D. - D.T.W. x *VF = Casing Volume			
<u>30.00</u>	<u>-19.60 = 10.4</u>	<u>x .66 = 6.86 x 4</u>	<u>= 27.44 (27.5)</u>

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

Gals. Purged	<u>7</u>	<u>14</u>	<u>21</u>	<u>27.5</u>			
Conduct.	<u>519</u>	<u>518</u>	<u>517</u>	<u>516</u>			
P/H	<u>7.58</u>	<u>7.17</u>	<u>6.89</u>	<u>6.86</u>			
Temp (°F)	<u>64.1</u>	<u>66.7</u>	<u>67.6</u>	<u>67.7</u>			
Turbid	<u>Slight</u>	<u>Slight</u>	<u>clear</u>	<u>clear</u>			
Product/Sheen	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	Sample time	<u>0949</u>	
Time	<u>0930</u>	<u>0935</u>	<u>0940</u>	<u>0944</u>			
Odor	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>			

Total Volume Purged: 4

Purging Equipment:

PUMP

Total Gallons Purged:

27.5

Sampling Equipment:

bailer

Sample Containers:

4 vial w/HCL

D.T.W. after purging:

27.56

H₂O Stored? tank - Instra

Comments:

D.O 2.2 ORP 101

Mark D. Brock
Technician

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

MONITORING WELL DATA

Station No. <u>Fmr Beacon No. 12574</u>	Location <u>Castro Valley</u>
Address <u>22315 Redwood Rd.</u>	Job No. <u>1574.47</u>
Well No. <u>MW-4</u>	Date <u>1-29-10</u>

T.D. - D.T.W. x *VF = Casing Volume			
30.00	- 16.15 = 13.85	x .17 = 2.35 x 4	= 9.4

*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	9.4			
Conduct.	1095	1113	1111	1106			
P/H	7.63	7.30	7.28	7.29			
Temp (°F)	61.3	64.0	64.8	65.2			
Turbid	slight	slight	clear	clear			
Product/Sheen	N	N	N	N	Sample time	0915	
Time	0902	0905	0908	0910			
Odor	N	N	N	N			

Total Volume Purged: 4

Purging Equipment:

Pump

Total Gallons Purged:

9.4

Sampling Equipment:

bailer

Sample Containers:

4 VOA w/HCL

D.T.W. after purging:

17.40

H₂O Stored?

tank - Instra

Comments:

D.O 2.0 ORP 143

Mark D. Brock
Technician

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

MONITORING WELL DATA

Station No. <u>Fmr Beacon No. 12574</u>	Location <u>Castro Valley</u>
Address <u>22315 Redwood Rd.</u>	Job No. <u>1574.47</u>
Well No. <u>MW-6</u>	Date <u>1-29-10</u>

T.D. - D.T.W. x *VF = Casing Volume			
<u>30.00</u>	<u>- 19.64 = 10.36</u>	<u>x .17 = 1.76 x 4</u>	<u>= 7.04 (7.25)</u>

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

Gals. Purged	<u>2</u>	<u>4</u>	<u>6</u>	<u>7.25</u>			
Conduct.	<u>918</u>	<u>930</u>	<u>937</u>	<u>937</u>			
P/H	<u>6.87</u>	<u>6.69</u>	<u>6.64</u>	<u>6.68</u>			
Temp (°F)	<u>66.4</u>	<u>69.1</u>	<u>69.9</u>	<u>70.1</u>			
Turbid	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>			
Product/Sheen	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	Sample time	<u>1015</u>	
Time	<u>1005</u>	<u>1007</u>	<u>1009</u>	<u>1010</u>			
Odor	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>			

Total Volume Purged: 4

Purging Equipment:
PUMP

Total Gallons Purged:
7.25

Sampling Equipment:
bailer

Sample Containers:
4 VOA w/HCL

D.T.W. after purging:
23.96

H₂O Stored? tank - Instra

Comments: D.O 1.8 ORP 112

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-10-89		2. Page 1 of 1				
3. Generator's Name and Mailing Address Former Beacon # 12574 23315 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 11050 Airport Rd. Rio Vista, CA		10. US EPA ID Number 1C000150599		E. State Facility's ID		F. Facility's Phone (707) 374-3857				
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	14. Unit Wt./Vol.			
				No.		Type				
				a.		1		Poly	97	GAL
				b.						
				c.						
d.										
G. Additional Descriptions for Materials Listed Above Colors - Clear Odors - ⊗ Solids - ⊗				H. Handling Codes for Wastes Listed Above						
15. Special Handling Instructions and Additional Information										
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				
17. Transporter 1 Acknowledgement of Receipt of Materials						Date				
Printed/Typed Name Mark D. Brock		Signature <i>Mark D. Brock</i>				Month Day Year 1 29 10				
18. Transporter 2 Acknowledgement of Receipt of Materials						Date				
Printed/Typed Name		Signature				Month Day Year				
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.						Date				
Printed/Typed Name Instrat		Signature <i>Matt Bobker</i>				Month Day Year 1 29 10				

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



ATTACHMENT C

ANALYTICAL REPORT



Report Number : 71794

Date : 02/05/2010

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-Q1
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



Report Number : 71794

Date : 02/05/2010

Project Name : **Former Beacon 12574-Q1**

Project Number : **1574.47**

Sample : **MW-1**

Matrix : Water

Lab Number : 71794-01

Sample Date :01/29/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	240	0.50	ug/L	EPA 8260B	02/03/2010
Toluene	16	0.50	ug/L	EPA 8260B	02/03/2010
Ethylbenzene	45	0.50	ug/L	EPA 8260B	02/03/2010
Total Xylenes	100	0.50	ug/L	EPA 8260B	02/03/2010
Methyl-t-butyl ether (MTBE)	15	0.50	ug/L	EPA 8260B	02/03/2010
Diisopropyl ether (DIPE)	0.75	0.50	ug/L	EPA 8260B	02/03/2010
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/03/2010
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/03/2010
Tert-Butanol	8.3	5.0	ug/L	EPA 8260B	02/02/2010
TPH as Gasoline	2200	50	ug/L	EPA 8260B	02/03/2010
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/03/2010
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/03/2010
1,2-Dichloroethane-d4 (Surr)	95.2		% Recovery	EPA 8260B	02/03/2010
Toluene - d8 (Surr)	97.4		% Recovery	EPA 8260B	02/03/2010



Report Number : 71794

Date : 02/05/2010

Project Name : **Former Beacon 12574-Q1**

Project Number : **1574.47**

Sample : **MW-2**

Matrix : Water

Lab Number : 71794-02

Sample Date :01/29/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	3700	6.0	ug/L	EPA 8260B	02/02/2010
Toluene	140	6.0	ug/L	EPA 8260B	02/02/2010
Ethylbenzene	550	6.0	ug/L	EPA 8260B	02/02/2010
Total Xylenes	1100	6.0	ug/L	EPA 8260B	02/02/2010
Methyl-t-butyl ether (MTBE)	110	6.0	ug/L	EPA 8260B	02/02/2010
Diisopropyl ether (DIPE)	< 6.0	6.0	ug/L	EPA 8260B	02/02/2010
Ethyl-t-butyl ether (ETBE)	< 6.0	6.0	ug/L	EPA 8260B	02/02/2010
Tert-amyl methyl ether (TAME)	< 6.0	6.0	ug/L	EPA 8260B	02/02/2010
Tert-Butanol	70	30	ug/L	EPA 8260B	02/02/2010
TPH as Gasoline	18000	600	ug/L	EPA 8260B	02/02/2010
1,2-Dichloroethane	< 6.0	6.0	ug/L	EPA 8260B	02/02/2010
1,2-Dibromoethane	< 6.0	6.0	ug/L	EPA 8260B	02/02/2010
1,2-Dichloroethane-d4 (Surr)	98.4		% Recovery	EPA 8260B	02/02/2010
Toluene - d8 (Surr)	97.7		% Recovery	EPA 8260B	02/02/2010



Report Number : 71794

Date : 02/05/2010

Project Name : **Former Beacon 12574-Q1**

Project Number : **1574.47**

Sample : **MW-3**

Matrix : Water

Lab Number : 71794-03

Sample Date :01/29/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/02/2010
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/02/2010
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
1,2-Dichloroethane-d4 (Surr)	96.7		% Recovery	EPA 8260B	02/02/2010
Toluene - d8 (Surr)	99.8		% Recovery	EPA 8260B	02/02/2010

Project Name : **Former Beacon 12574-Q1**

Project Number : **1574.47**

Sample : **MW-4**

Matrix : Water

Lab Number : 71794-04

Sample Date :01/29/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/02/2010
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/02/2010
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	02/02/2010
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	02/02/2010

Project Name : **Former Beacon 12574-Q1**

Project Number : **1574.47**

Sample : **MW-6**

Matrix : Water

Lab Number : 71794-05

Sample Date :01/29/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Methyl-t-butyl ether (MTBE)	46	0.50	ug/L	EPA 8260B	02/02/2010
Diisopropyl ether (DIPE)	0.97	0.50	ug/L	EPA 8260B	02/02/2010
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Tert-Butanol	5.4	5.0	ug/L	EPA 8260B	02/02/2010
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/02/2010
1,2-Dichloroethane	0.58	0.50	ug/L	EPA 8260B	02/02/2010
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	02/02/2010
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	02/02/2010

QC Report : Method Blank Data

Project Name : Former Beacon 12574-Q1

Project Number : 1574.47

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/01/2010
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/01/2010
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/01/2010
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/01/2010
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/01/2010
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/01/2010
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/01/2010
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/01/2010
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/01/2010
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/01/2010
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/01/2010
1,2-Dichloroethane-d4 (Surr)	105		%	EPA 8260B	02/01/2010
Toluene - d8 (Surr)	99.9		%	EPA 8260B	02/01/2010
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/02/2010
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/02/2010
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
1,2-Dichloroethane-d4 (Surr)	100		%	EPA 8260B	02/02/2010
Toluene - d8 (Surr)	102		%	EPA 8260B	02/02/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/02/2010
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/02/2010
1,2-Dichloroethane-d4 (Surr)	98.6		%	EPA 8260B	02/02/2010
Toluene - d8 (Surr)	99.8		%	EPA 8260B	02/02/2010

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Former Beacon 12574-Q1**

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-Dichloroethane	71770-14	<0.50	38.7	38.3	39.7	38.3	ug/L	EPA 8260B	2/1/10	103	100	2.47	75.7-122	25
Benzene	71770-14	1.4	39.7	39.2	39.7	38.6	ug/L	EPA 8260B	2/1/10	96.5	94.9	1.71	80-120	25
Diisopropyl ether	71770-14	<0.50	39.0	38.6	36.1	35.3	ug/L	EPA 8260B	2/1/10	92.5	91.6	1.02	80-120	25
Ethyl-tert-butyl ether	71770-14	<0.50	39.4	39.0	35.0	34.1	ug/L	EPA 8260B	2/1/10	88.7	87.6	1.21	76.5-120	25
Ethylbenzene	71770-14	<0.50	39.4	39.0	43.9	42.5	ug/L	EPA 8260B	2/1/10	111	109	1.95	80-120	25
Methyl-t-butyl ether	71770-14	<0.50	39.8	39.3	33.2	32.2	ug/L	EPA 8260B	2/1/10	83.5	81.9	1.96	69.7-121	25
P + M Xylene	71770-14	<0.50	38.4	37.9	41.0	39.4	ug/L	EPA 8260B	2/1/10	107	104	2.81	76.8-120	25
Tert-Butanol	71770-14	<5.0	197	195	194	190	ug/L	EPA 8260B	2/1/10	98.4	97.6	0.859	80-120	25
Tert-amyl-methyl ether	71770-14	<0.50	39.4	39.0	36.3	35.6	ug/L	EPA 8260B	2/1/10	92.0	91.5	0.540	78.9-120	25
Toluene	71770-14	<0.50	39.5	39.0	40.9	39.8	ug/L	EPA 8260B	2/1/10	104	102	1.72	80-120	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Former Beacon 12574-Q1**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	71771-16	<0.50	40.4	40.3	43.3	38.2	ug/L	EPA 8260B	2/2/10	107	94.8	12.5	80-120	25
1,2-Dibromoethane	71794-04	<0.50	40.4	40.4	47.4	46.6	ug/L	EPA 8260B	2/2/10	117	116	1.56	80-120	25
1,2-Dichloroethane	71794-04	<0.50	39.6	39.6	41.0	39.4	ug/L	EPA 8260B	2/2/10	104	99.6	3.86	75.7-122	25
Benzene	71794-04	<0.50	40.6	40.6	40.0	39.7	ug/L	EPA 8260B	2/2/10	98.6	97.8	0.782	80-120	25
Diisopropyl ether	71794-04	<0.50	39.9	39.9	41.2	39.6	ug/L	EPA 8260B	2/2/10	103	99.4	3.82	80-120	25
Ethyl-tert-butyl ether	71794-04	<0.50	40.3	40.3	42.8	42.2	ug/L	EPA 8260B	2/2/10	106	105	1.32	76.5-120	25
Ethylbenzene	71794-04	<0.50	40.3	40.3	43.2	41.9	ug/L	EPA 8260B	2/2/10	107	104	3.03	80-120	25
Methyl-t-butyl ether	71794-04	<0.50	40.6	40.6	40.9	40.8	ug/L	EPA 8260B	2/2/10	100	100	0.134	69.7-121	25
P + M Xylene	71794-04	<0.50	39.2	39.2	42.4	41.4	ug/L	EPA 8260B	2/2/10	108	105	2.56	76.8-120	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Former Beacon 12574-Q1**

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	71794-04	<5.0	202	202	212	205	ug/L	EPA 8260B	2/2/10	105	102	3.39	80-120	25
Tert-amyl-methyl ether	71794-04	<0.50	40.3	40.3	39.7	40.6	ug/L	EPA 8260B	2/2/10	98.6	101	2.22	78.9-120	25
Toluene	71794-04	<0.50	40.3	40.3	43.5	42.7	ug/L	EPA 8260B	2/2/10	108	106	1.84	80-120	25
1,2-Dibromoethane	71809-02	<0.50	40.4	40.4	45.2	44.1	ug/L	EPA 8260B	2/2/10	112	109	2.61	80-120	25
1,2-Dichloroethane	71809-02	<0.50	39.6	39.6	37.9	37.0	ug/L	EPA 8260B	2/2/10	95.7	93.6	2.28	75.7-122	25
Benzene	71809-02	<0.50	40.6	40.6	37.9	36.6	ug/L	EPA 8260B	2/2/10	93.5	90.1	3.67	80-120	25
Diisopropyl ether	71809-02	<0.50	39.9	39.9	39.9	39.1	ug/L	EPA 8260B	2/2/10	100	98.1	1.90	80-120	25
Ethyl-tert-butyl ether	71809-02	<0.50	40.3	40.3	40.0	39.0	ug/L	EPA 8260B	2/2/10	99.1	96.6	2.53	76.5-120	25
Ethylbenzene	71809-02	<0.50	40.3	40.3	39.3	38.0	ug/L	EPA 8260B	2/2/10	97.6	94.3	3.42	80-120	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Former Beacon 12574-Q1**

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	71809-02	23	40.6	40.6	62.6	61.3	ug/L	EPA 8260B	2/2/10	97.2	94.1	3.20	69.7-121	25
P + M Xylene	71809-02	<0.50	39.2	39.2	41.7	40.4	ug/L	EPA 8260B	2/2/10	106	103	3.20	76.8-120	25
Tert-amyl-methyl ether	71809-02	<0.50	40.3	40.3	37.9	37.1	ug/L	EPA 8260B	2/2/10	94.0	92.0	2.16	78.9-120	25
Toluene	71809-02	<0.50	40.3	40.3	39.6	38.2	ug/L	EPA 8260B	2/2/10	98.1	94.7	3.45	80-120	25

QC Report : Laboratory Control Sample (LCS)

Project Name : **Former Beacon 12574-Q1**Project Number : **1574.47**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
1,2-Dichloroethane	39.6	ug/L	EPA 8260B	2/1/10	104	75.7-122
Benzene	40.6	ug/L	EPA 8260B	2/1/10	98.6	80-120
Diisopropyl ether	39.9	ug/L	EPA 8260B	2/1/10	94.3	80-120
Ethyl-tert-butyl ether	40.3	ug/L	EPA 8260B	2/1/10	91.1	76.5-120
Ethylbenzene	40.3	ug/L	EPA 8260B	2/1/10	116	80-120
Methyl-t-butyl ether	40.6	ug/L	EPA 8260B	2/1/10	85.3	69.7-121
P + M Xylene	39.2	ug/L	EPA 8260B	2/1/10	111	76.8-120
Tert-Butanol	202	ug/L	EPA 8260B	2/1/10	105	80-120
Tert-amyl-methyl ether	40.3	ug/L	EPA 8260B	2/1/10	95.0	78.9-120
Toluene	40.3	ug/L	EPA 8260B	2/1/10	106	80-120
1,2-Dibromoethane	40.4	ug/L	EPA 8260B	2/2/10	94.6	80-120
1,2-Dibromoethane	40.0	ug/L	EPA 8260B	2/2/10	111	80-120
1,2-Dichloroethane	40.0	ug/L	EPA 8260B	2/2/10	108	75.7-122
Benzene	40.0	ug/L	EPA 8260B	2/2/10	103	80-120
Diisopropyl ether	39.9	ug/L	EPA 8260B	2/2/10	102	80-120
Ethyl-tert-butyl ether	40.3	ug/L	EPA 8260B	2/2/10	103	76.5-120
Ethylbenzene	40.0	ug/L	EPA 8260B	2/2/10	101	80-120
Methyl-t-butyl ether	40.6	ug/L	EPA 8260B	2/2/10	101	69.7-121
P + M Xylene	40.0	ug/L	EPA 8260B	2/2/10	98.6	76.8-120
TPH as Gasoline	508	ug/L	EPA 8260B	2/2/10	103	80-120

QC Report : Laboratory Control Sample (LCS)

Project Name : **Former Beacon 12574-Q1**Project Number : **1574.47**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Tert-Butanol	202	ug/L	EPA 8260B	2/2/10	110	80-120
Tert-amyl-methyl ether	40.3	ug/L	EPA 8260B	2/2/10	108	78.9-120
Toluene	40.0	ug/L	EPA 8260B	2/2/10	107	80-120
1,2-Dibromoethane	39.9	ug/L	EPA 8260B	2/2/10	101	80-120
1,2-Dichloroethane	39.9	ug/L	EPA 8260B	2/2/10	95.4	75.7-122
Benzene	39.9	ug/L	EPA 8260B	2/2/10	92.2	80-120
Diisopropyl ether	39.8	ug/L	EPA 8260B	2/2/10	98.7	80-120
Ethyl-tert-butyl ether	40.2	ug/L	EPA 8260B	2/2/10	96.8	76.5-120
Ethylbenzene	39.9	ug/L	EPA 8260B	2/2/10	94.4	80-120
Methyl-t-butyl ether	40.5	ug/L	EPA 8260B	2/2/10	91.8	69.7-121
P + M Xylene	39.9	ug/L	EPA 8260B	2/2/10	98.9	76.8-120
TPH as Gasoline	509	ug/L	EPA 8260B	2/2/10	92.0	80-120
Tert-amyl-methyl ether	40.2	ug/L	EPA 8260B	2/2/10	93.8	78.9-120
Toluene	39.9	ug/L	EPA 8260B	2/2/10	93.0	80-120



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

SRG # / Lab No. 71794

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-Q1**
 Sampler Signature: *Mark D. Brock*

Project Address: **22315 Redwood Road**
Castro Valley, CA 94546

Sample Designation	Sampling		Container				Preservative				Matrix			MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	TAT	For Lab Use Only	
	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO ₃	None	Ice	WATER	Soil																	Air
MW-1	1-29-10	1054	4					X			X	X				X	X	X	X										1 wk	01
MW-2		1127	4					X			X	X				X	X	X	X										1 wk	02
MW-3		0949	4					X			X	X				X	X	X	X										1 wk	03
MW-4		0915	4					X			X	X				X	X	X	X										1 wk	04
MW-6	✓	1015	4					X			X	X				X	X	X	X										1 wk	05

Relinquished by: *Mark D. Brock*
Mark W. Brock
 Date: **02/01/10** Time: **1017**
 Received by: _____

Relinquished by: _____
 Date: _____ Time: _____
 Received by: _____

Relinquished by: _____
 Date: **02/01/10** Time: **1017**
 Received by Laboratory: *[Signature]*
KIFF Analytical

Chain-of-Custody Record and Analysis Request

Analysis Request																				TAT	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12 hr
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24 hr
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	48hr
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	72 hr
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 wk

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

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)
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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-2	9/21/01	23,000	NA	NA	4,600	75	1,200	2,300	450
	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)
MW-3	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
	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)
MW-4	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	-	-	-	-	-	-	-	-
	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)	Ethylbenzene (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 (cont.)	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	-
	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)	Ethylbenzene (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 (cont.)	06/05/96	100 ¹	NA	NA	<0.50	<0.50	<0.50	<0.50	430
	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

UPLOADING A GEO_WELL FILE

SUCCESS

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

<u>Submittal Type:</u>	GEO_WELL
<u>Submittal Title:</u>	1574-Q110
<u>Facility Global ID:</u>	T0600100155
<u>Facility Name:</u>	BEACON #12574
<u>File Name:</u>	GEO_WELL.zip
<u>Organization Name:</u>	Horizon Environmental Inc.
<u>Username:</u>	HORIZON
<u>IP Address:</u>	76.167.253.16
<u>Submittal Date/Time:</u>	2/23/2010 1:58:09 AM
<u>Confirmation Number:</u>	7156823575

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_REPORT FILE

SUCCESS

Your GEO_REPORT file has been successfully submitted!

<u>Submittal Type:</u>	GEO_REPORT
<u>Report Title:</u>	12574-Q309-SAMR
<u>Report Type:</u>	Monitoring Report - Semi-Annually
<u>Report Date:</u>	10/6/2009
<u>Facility Global ID:</u>	T0600100155
<u>Facility Name:</u>	BEACON #12574
<u>File Name:</u>	12574-QMR-Q309.pdf
<u>Username:</u>	Horizon Environmental Inc.
<u>Username:</u>	HORIZON
<u>IP Address:</u>	69.12.226.3
<u>Submittal Date/Time:</u>	10/6/2009 5:49:43 PM
<u>Confirmation Number:</u>	9722664952