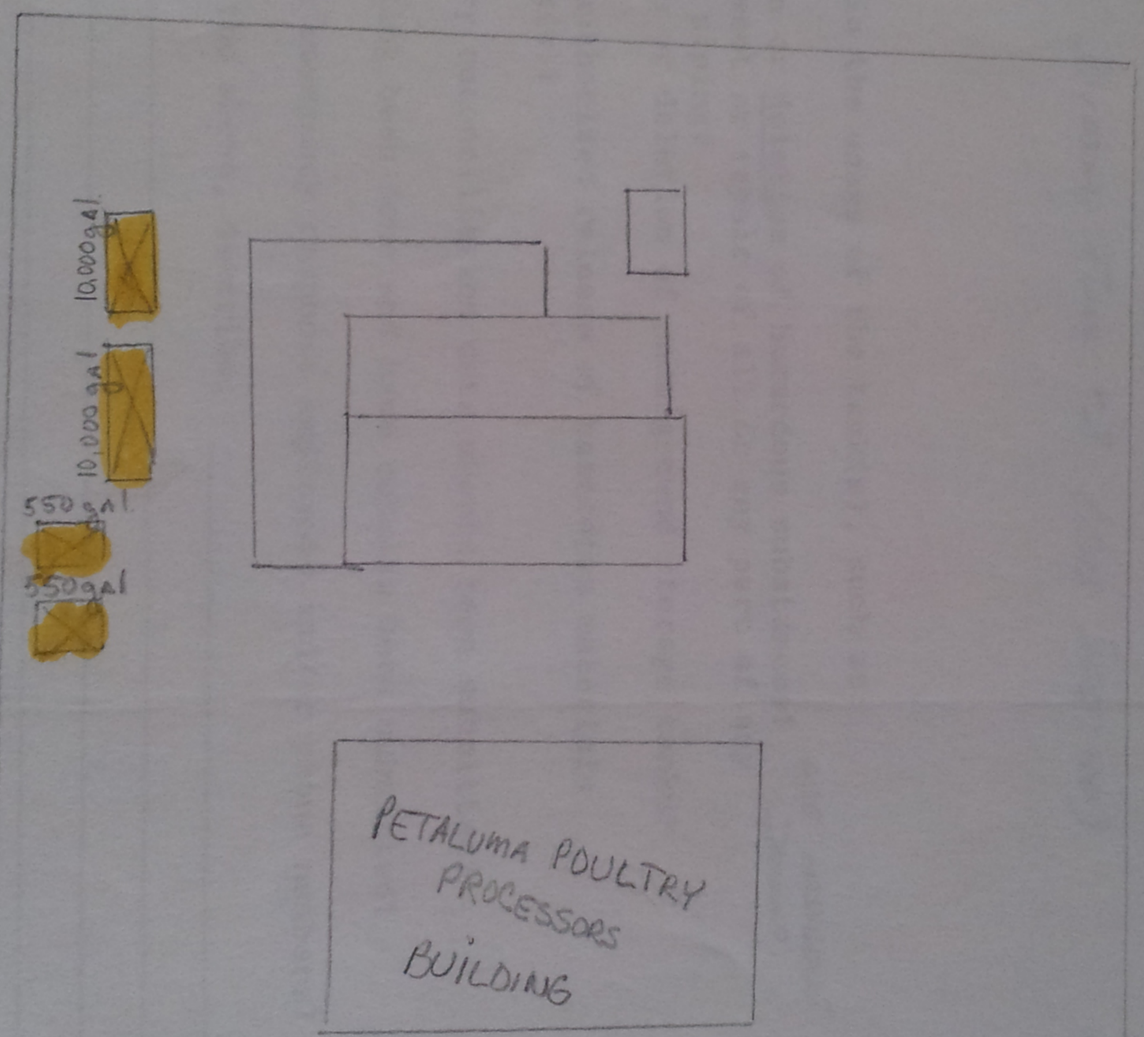
PLOT PLAN

PETALUMA POULTRY PROCESSORS

2700 LAKEVILLE HWY
PETALUMA, CA. 94952

- 10,000 gallon - diesel
- 10,000 gallon - gas
- 550 gallon - gas
- 3,000 gallon - gas



HWY 137

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☑ NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☑ NO

REPORT DATE 0M 6M 0D 8D 8Y 9Y

CASE #

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFTY CODE.

SIGNED J. M. Lewin DATE 6/30/89

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: JACK VERMEER

PHONE: (707) 527-2714

SIGNATURE: Jack Vermeer

REPRESENTING ☐ OWNER/OPERATOR ☐ REGIONAL BOARD ☑ LOCAL AGENCY ☐ OTHER

COMPANY OR AGENCY NAME: Sonoma County Health

ADDRESS: 2435 Professional Dr (STREET) Santa Rosa (CITY) Ca. (STATE) 95403 (ZIP)

RESPONSIBLE PARTY

NAME: DAN SHAMISKY ☐ UNKNOWN

CONTACT PERSON

PHONE: (707) 763-1904

ADDRESS: P.O. Box 2628 (STREET) Petaluma (CITY) CA (STATE) 94953 (ZIP)

SITE LOCATION

FACILITY NAME (IF APPLICABLE): Petaluma Poultry Producers

OPERATOR

PHONE: (707) 762-3411

ADDRESS: 2700 Lakeville Hwy (STREET) Petaluma, CA (CITY) Sonoma (COUNTY) 94952 (ZIP)

CROSS STREET

TYPE OF AREA ☑ COMMERCIAL ☐ INDUSTRIAL ☐ RURAL ☐ RESIDENTIAL ☐ OTHER

TYPE OF BUSINESS ☐ RETAIL FUEL STATION ☐ FARM ☑ OTHER

IMPLEMENTING AGENCIES

LOCAL AGENCY AGENCY NAME: Sonoma County Health

CONTACT PERSON

PHONE: (707) 527-2714

REGIONAL BOARD: North San Francisco Bay

PHONE: (415) 464-4223

SUBSTANCES INVOLVED

	NAME	QUANTITY LOST (GALLONS)
(1)	Gasoline	☑ UNKNOWN
(2)	Diesel	☑ UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED: 0M 4M 0D 8D 8Y 8Y

HOW DISCOVERED ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☑ TANK REMOVAL ☐ OTHER

DATE DISCHARGE BEGAN: M M D D Y Y ☑ UNKNOWN

HAS DISCHARGE BEEN STOPPED? ☑ YES ☐ NO IF YES, DATE 0M 6M 2D 7D 8Y 8Y

METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)
☐ REMOVE CONTENTS ☐ REPLACE TANK ☑ CLOSE TANK
☐ REPAIR TANK ☐ REPAIR PIPING ☐ CHANGE PROCEDURE
☐ OTHER

SOURCE/CAUSE

SOURCE OF DISCHARGE: ☑ TANK LEAK ☐ UNKNOWN ☐ PIPING LEAK ☐ OTHER

TANKS ONLY/CAPACITY: 23500 GAL. AGE YRS ☐ UNKNOWN

MATERIAL: ☐ FIBERGLASS ☑ STEEL ☐ OTHER

CAUSE(S): ☐ OVERFILL ☐ RUPTURE/FAILURE ☐ CORROSION ☐ UNKNOWN ☐ SPILL ☐ OTHER

CASE TYPE

CHECK ONE ONLY
☑ UNDETERMINED ☐ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS

CHECK ONE ONLY
☑ SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) ☐ CLEANUP IN PROGRESS ☐ SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY)
☐ NO ACTION TAKEN ☐ POST CLEANUP MONITORING IN PROGRESS ☐ NO FUNDS AVAILABLE TO PROCEED ☐ EVALUATING CLEANUP ALTERNATIVES

REMEDIAL ACTION

CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
☐ CAP SITE (CD) ☐ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT)
☐ CONTAINMENT BARRIER (CB) ☑ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS)
☐ TREATMENT AT HOOKUP (HU) ☐ NO ACTION REQUIRED (NA) ☐ OTHER (OT)

COMMENTS

BOS 6-8-89

PROPOSITION 65 COMPLIANCE
The relevant information in this document has been reported in compliance with Proposition 65.
Signed Vermeer
Designated Employee
Sonoma Co. Health
Agency, Department

HSC 05 (4/87)

APPENDIX H

QUALIFICATIONS

Elizabeth Scudero – Project Manager, Due Diligence

BA – Environmental Studies, University of California, Santa Cruz

Ms. Scudero provides project management to ensure ASTM compliance and satisfaction of client requirements for Phase I Environmental Assessments, Environmental Transaction Screens, Regulatory Database Review, and Historical Records Review.

Project experience for Ms. Scudero includes:

- Phase I Environmental Site Assessments (PHI ESA)
- Environmental Transaction Screens (ETS)
- Regulatory Database Review
- Historical Records Review

In addition, prior to joining the environmental consulting industry, Ms. Scudero spent four years studying a diverse range of environmental disciplines including: restoration ecology, political ecology, environmental policy, agriculture and sustainable agriculture, environmental economics, environmental justice, and geography.

Steve G. Kovach –Due Diligence Manager, Northern California Region

B.A. - Botany, Miami University (Ohio)
Minor – Conservation and the Environment

Certified OSHA 40-Hour Hazardous Waste Operations and Emergency Response

Mr. Kovach has spent over eleven years working in a broad range of environmental and engineering disciplines including: engineering and environmental due diligence services, industrial air, water, and wastewater permit compliance and monitoring, hazardous waste management and disposal, electrical utilities projects, environmental engineering projects, and wetland ecology research. Mr. Kovach has worked closely with regulatory agencies including the US Environmental Protection Agency, Department of Toxic Substance Control, California Water Resources Control Board, California Integrated Waste Management Board, Bay Area Air Quality Management District, East Bay Municipal Utilities District, and the United States Department of Energy.

Currently, Mr. Kovach is the Due Diligence Department Manager, Northern California Region for AEI, specializing in environmental due diligence services. As a senior member of AEI, Mr. Kovach provides staff supervision and senior review expertise to ensure ASTM compliance and satisfaction of client requirements for environmental assessments. AEI's review process provides for customization of reports to client needs, as well as strict conformance to ASTM standards. Additionally, Mr. Kovach provides senior project management to ensure ASTM compliance and satisfaction of client requirements for Phase I Environmental Site Assessments, Transaction Screens, and other related environmental assessments performed throughout California, Arizona, Nevada, Oregon, and Washington.

APPENDIX G

OTHER SUPPORTING DOCUMENTATION

sonoma county
DEPARTMENT OF HEALTH SERVICES
PUBLIC HEALTH DIVISION

Rita Scardaci, PHN, MPH – Director
Ellen Bauer, PhD, MPP – Division Director

May 30, 2014

Mr. Marty Skoff
Skoff Trucking
1 Casa Grande Road
Petaluma, CA 94952

Re: 1 Casa Grande Road, Petaluma, CA
Site #00002147, SFBRWQCB #49-0161

Dear Mr. Skoff:

This letter confirms the completion of site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release at the site is required.

Claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,

CHRISTINE SOSKO, REHS
Director of Environmental Health

Case Closure Summary

Leaking Underground Fuel Storage Tank Program

I. Agency Information **Date: February 19, 2014**

Agency name:	Sonoma County Dept. Health Services	Address:	625 Fifth Street
City/State/Zip:	Santa Rosa, CA 95404	Phone:	(707) 565-6565
Responsible staff person: Darcy Bering		Title:	Environmental Health Specialist

II. Case Information

Site facility name: Skoff Trucking				
Site facility address: 1 Casa Grande Road, Petaluma, CA 94952				
RB LUSTIS # 49-0161	SWEEPS # NA	LOP #00002147	URF filing date:10/2/89 & 10/27/99	Local # NA
Responsible party		Address		Phone number
Skoff Trucking Attn: Marty Skoff		1 Casa Grande Rd., Petaluma, CA 94952		

Tank #	Size in gal.	Contents	Closed-in-place/removed?	Date
1	1000	Waste Oil	Removed	12/86
2	1000	Unknown	Removed	5/24/90
3&4	1000	Gasoline	Removed	10/20/92
5,6&7	12000	Diesel	Removed	12/4/98
8	12000	Regular Unleaded	Removed	12/4/98
9	1000	Gasoline	Removed	10/27/99
10	500	Gasoline	Removed	10/27/99

III. Release and Site Characterization Information

Cause and type of release: unknown		
Site characterization complete? Yes		Date approved by oversight agency: 1/16/14
MW installed? Yes	Number: 17 includes rem wells	Proper screened interval: Yes, typically 5'-15', 6'-16, 3'-13'
Highest GW depth BGS: 0	Lowest depth: 5.17'	Flow direction: typically southerly
Most sensitive current use: Domestic and Municipal Supply		
Are drinking water wells affected? Yes. See Comments		Aquifer name: Petaluma Valley (2-1)
Is surface water affected? No		Nearest SW name: Petaluma River approx. 1500' southwest.
Off-site beneficial use impacts (addresses/locations): None		
Report(s) on file? Yes	Where is report(s) filed: Sonoma County Department of Health Services	

Treatment and Disposal of Affected Material

Material	Amount (include units)	Action (treatment or disposal w/ destination)	Date
Tank	a) 2 b) 3&4 c)9&10	a) destroyed by prop owner under fire dept oversight b) to Erickson, Richmond c) To West Coast Metals, Windsor RP unable to locate records, declaration on file*	a) 5/1990 b)10/2092 c)10/27/90
Piping	unknown		
Tank Rinsate	1250 Gallons	To Alviso Independent Oil, Alviso	10/27/99
Soil	a)72 yards, b)900 tons c)3 tons	a)Vasco Rd., Landfill, b) Keller Canyon, c) Hay Rd., Landfill RP unable to locate records, declaration on file*	a)8/17/91, b)7/5-7/8/06, c) 12/18/13
Groundwater	1320 & 5500 gals	To Petaluma Sanitary Sewer under permit	5/21/02 & 8/1/06
Barrels	8 drums	Instrat, Davis. RP unable to locate records, declaration on file*	12/5/13

Case Closure Summary

III. Release and Site Characterization Information (continued) **Site Address: 1 Casa Grande Rd., Petaluma, CA 94952**

Maximum Documented Contaminant Concentrations — Before and After Cleanup									
Contaminant	Soil (ppm)		Water (ppm)		Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (gas)	1300	960	29	2.53	Xylene	18	18	1.8	.0157
TPH (diesel)	300	200	8.8	.269	Ethylbenzene	12	7.1	.620	.0382
Benzene	.45	.45	2.3	.118	Oil & grease	56	NS	.010	NS
Toluene	.39	<.17	.065	<.005	Lead	19	19	NS	<.050
Other					MTBE	.045	.045	1.7	<.005

Comments (depth of remediation, etc.): NS = Not Sampled or Analyzed for.

Excavation in July 2006 was 50'x34'x13'deep. A DPE pilot test occurred from 6/17-6/20/08.

Soil and water before are the highest values and may be from grab groundwater samples.

Other fuel oxygenates all ND in groundwater. Lead scavengers ND in groundwater.

IV. Closure

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes

Does corrective action protect public health for current land use? Yes

Site management requirements: Contingency planning is required for worker safety and waste disposal if excavating in area(s) of residual contamination. The Building Department has been notified. Newly proposed water supply wells may require siting and design by a qualified professional engineer or geologist. Sonoma County Permit and Resource Mgmt. Dept. has been notified.

A Soil and Groundwater Management Plan dated 2/14/14 is on file and on Geotracker.

Should corrective action be reviewed if land use changes? Yes

Monitoring wells decommissioned? Yes	Number decommissioned: 4	Number retained: 13

List enforcement actions taken: None

List enforcement actions rescinded: Not Applicable

V. Local Agency Representative Data

Name: Leslye Choate	Title: Supervising Environmental Health Specialist
Signature: Leslye Choate	Date: 2-19-14

VI. RWQCB Notification

Date submitted to RB: Feb. 24, 2014	RB Response: Concur with closure recommendation	
RWQCB staff name: John Jang (John Jang)	Title: WRCE	Date: March 6, 2014

VII. Additional Comments, Data, etc.

Monitoring wells will be destroyed under permit of this Department prior to site closure.

Water supply well adjacent to the property reported 64 ppb TPHg and .6 ppb Toluene in a one time sample in Dec 1999. The well was destroyed under permit on 5/24/11.

The site meets the Low Threat Closure Policy as follows: General Media Criteria are all met. Groundwater Specific Criteria is met by criteria **1**. Vapor Intrusion to Indoor Air Criteria is met by **2b**. Direct Contact and Outdoor Air Exposure is met by **3a**.

* Declaration is on file indicating no knowledge of improper disposal and that a diligent search was conducted for documentation.

November 7, 2013

Ms. Darcy Bering
County of Sonoma Department of Health Services
Environmental Health Division
625 Fifth Street
Santa Rosa, CA 95401

RE: THIRD QUARTER 2013 GROUNDWATER MONITORING AND SAMPLING REPORT
SKOFF TRUCKING
1 CASA GRANDE ROAD, PETALUMA, CALIFORNIA
EBA Project No. 99-723 (31133)

Dear Ms. Bering:

Please find enclosed the Third Quarter 2013 Groundwater Monitoring and Sampling Report prepared by EBA Engineering (EBA) for the site located at 1 Casa Grande Road, Petaluma, California (Figure 1). Semi-annual groundwater monitoring events for this site are being conducted in accordance with the County of Sonoma Department of Health Services – Environmental Health Division (CSDHS – EHD) letter dated July 17, 2013.

GROUNDWATER MONITORING AND SAMPLING

The groundwater monitoring activities for this quarter were performed by EBA personnel on August 15 and August 30, 2013. The scope of these activities included field monitoring, groundwater sampling, and laboratory testing. Further details regarding each of these tasks are summarized in the following subsections.

Field Monitoring

Field monitoring activities included measuring the depth to groundwater from top-of-casing (TOC) in on-site monitoring wells MW-3, MW-8 through MW-14, and dual phase extraction well DPE-1 in order to evaluate groundwater flow direction and hydraulic gradient. This was accomplished using an electronic water level sounder. Please note that MW-7 was inaccessible due to a truck parked on top of the monitoring well, and MW-5 was buried in soil and could not be located.

Groundwater Sampling

Monitoring wells MW-9, MW-11, MW-13, and MW-14, as well as DPE-1 were sampled during this event. Prior to sample collection, the monitoring wells were purged of standing water to aid in the collection of a sample representative of formation water. The wells were purged until water quality parameters stabilized and a minimum of three well volumes were removed. Field data sheets detailing the monitoring of groundwater pH, electrical conductivity and temperature during well purging are enclosed in this report. Purge water generated by the sampling activities was either retained and is stored on-site in a properly labeled 55-gallon DOT 17H steel drums pending characterization and disposal, or was transported to EBA's warehouse, treated using granular activated carbon, and discharged to the City of Santa Rosa sanitary sewer under EBA's Industrial User Permit #SR-GW7010. Please note that during the August 15 sampling event, due to a mathematical error, an insufficient volume of water was purged from DPE-1 prior to sampling. For this reason, analytical results from this well on this date should not be considered as an accurate representation of groundwater conditions. DPE-1 was purged and sampled again on August 30.

The groundwater samples retained for chemical analysis were collected using single-sample disposable bailers equipped with bottom emptying devices to minimize water degassing. The collected groundwater samples were transferred into properly labeled, laboratory-supplied, sterile sample containers, logged on a Chain-of-Custody (C-O-C) form and placed under refrigerated conditions pending transport to K Prime, Inc. (K Prime), a California State-certified laboratory located in Santa Rosa, California, for chemical analytical testing. The Certified Analytical Reports (CAR) and corresponding C-O-C records are included in this report.

Laboratory Testing

The groundwater samples were analyzed for Gasoline Range Organics (GRO) and Diesel Range Organics (DRO) using Environmental Protection Agency (EPA) Method 8015B; and benzene, toluene, ethylbenzene, total xylenes (BTEX), and the fuel oxygenate methyl tert-butyl ether (MtBE) using EPA Method 5030/8260.

RESULTS AND FINDINGS

Groundwater Flow Direction and Gradient

The groundwater flow direction at the time of this monitoring event was southeasterly with an average hydraulic gradient of approximately 0.004 feet/foot. Groundwater elevations are illustrated on the Potentiometric Surface Map (Figure 2) and summarized in Table 1.

Groundwater Sample Analytical Results

Analytical results indicate that GRO was detected in the groundwater samples collected from MW-11 and DPE-1 at concentrations of 868 and 2,530 micrograms per liter (µg/L), respectively. DRO was detected in MW-11 and DPE-1 at concentrations of 164 and 269 µg/L respectively, and both detections were "flagged" by the analytical laboratory as being lighter hydrocarbons than

diesel. Benzene was detected in MW-11 and DPE-1 at concentrations of 37.2 and, 118 µg/L respectively. Ethylbenzene was detected in MW-11 and DPE-1 at concentrations of 6.65 and 38.2 µg/L, respectively. Xylenes were also detected in DPE-1 at the concentration 15.7 µg/L. No other analyzed constituents were detected at or above their respective reporting limits (RLs) in these wells. None of the analytes were detected in samples collected from MW-9, MW-13, and MW-14. Tabulated groundwater analytical results are presented in Table 2. Please refer to the CARs for quality assurance/quality control and C-O-C documentation.

Trend graphs depicting the concentrations of the constituents of potential concern (GRO and benzene) in MW-11 and DPE-1 over time are included as Graphs 1 and 2, respectively. The exponential trend lines were calculated from analytical data collected after the July 2006 excavation performed by EBA. Extrapolated trend lines for MW-11 estimate that GRO and benzene levels will both attenuate to the San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels (ESLs, [100 and 1 µg/L for GRO and benzene, respectively]) in approximately 50 years. Please note that the R^2 values (0.0725 and 0.1171) for these predictions represent approximately a seven to twelve percent confidence, respectively. Extrapolated trend lines for DPE-1 estimate that GRO will attenuate to the ESL in approximately 29 years, and that benzene will attenuate to its ESL in approximately 15 years. Please note that the R^2 values for these predictions represent approximately a 44 and 60 percent confidence, respectively. These results appear to be more accurate than those estimated by the data from MW-11.

If you should have any questions regarding this report, please contact EBA at (707) 544-0784.

Sincerely,
EBA ENGINEERING

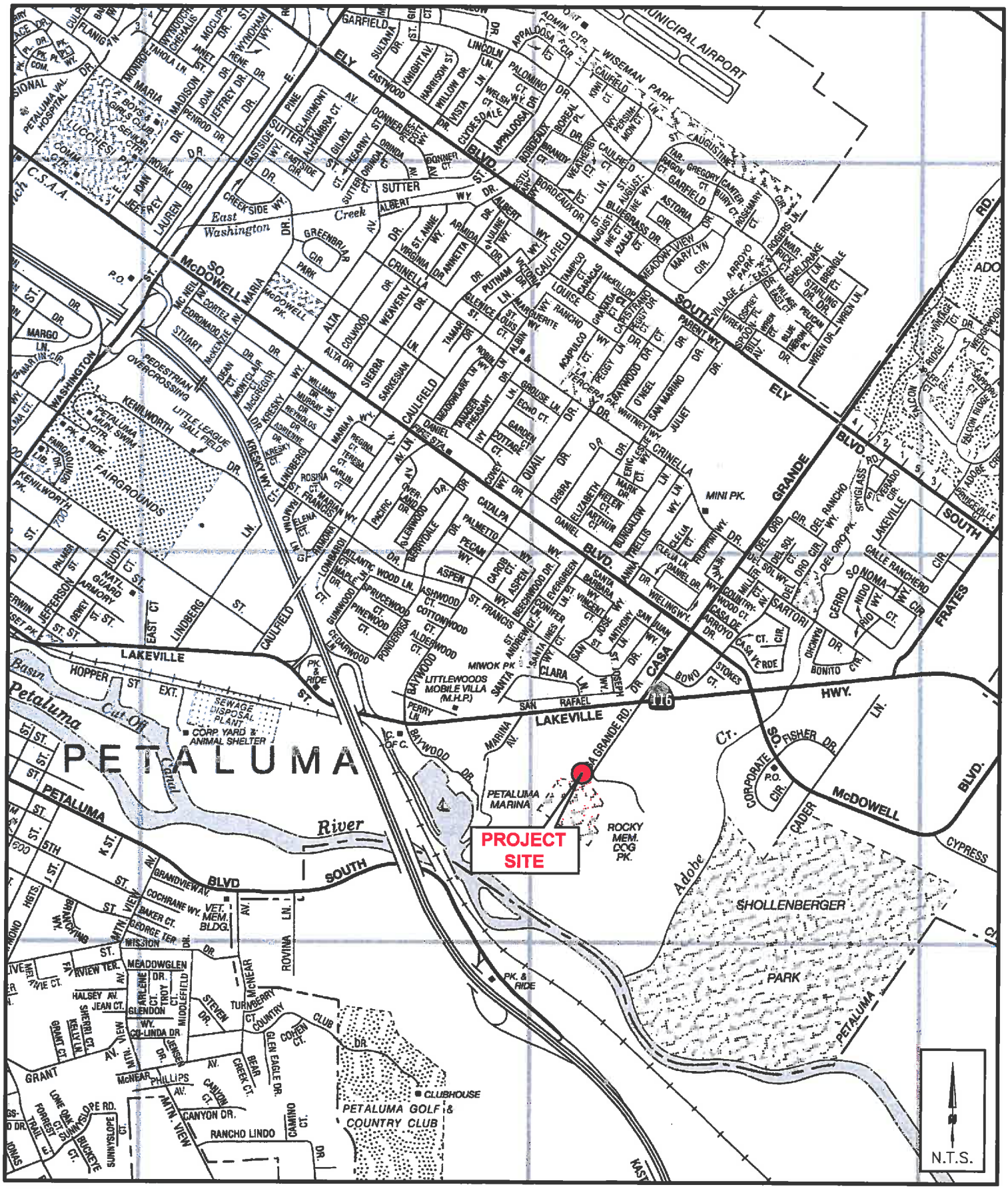
Bryan Groza
Staff Geologist

Supervised by

Paul Nelson, P.G.
Project Geologist

Attach: Figure 1: Location Map
Figure 2: Potentiometric Surface Map – August 15, 2013
Table 1: Monitoring Well Survey and Groundwater Elevation Data
Table 2: Groundwater Sample Analytical Results: GRO, DRO, BTEX, MtBE, Nitrates as NO_3 and Total Dissolved Solids
Graph 1: MW-11 GRO and Benzene Trend Graph
Graph 2: DPE-1 GRO and Benzene Trend Graph
Field Data Sheets
Certified Analytical Reports and Chain-of-Custody Records

cc: Skoff Trucking - P.O. Box 750996, Petaluma, CA 94975



EBA ENGINEERING
825 SONOMA AVENUE
SUITE C
SANTA ROSA, CA 95404
TEL: (707) 544-0784

LOCATION MAP

SKOFF TRUCKING
1 CASA GRANDE ROAD
PETALUMA, CALIFORNIA

FIGURE
1
99-723

Q:\99-723\Location.DWG, Location Map, 8/21/2013 4:13:43 PM

LEGEND

MW-3 5.34	MONITORING WELL WITH GROUNDWATER ELEVATION (MSL)
MW-1	DESTROYED MONITORING WELL
	FORMER UST (SEE TABLE)
6.00	POTENTIOMETRIC SURFACE CONTOUR (FEET MSL)
NM	NOT MEASURED
UST	UNDERGROUND STORAGE TANK
MSL	MEAN SEA LEVEL

FORMER UST (GALLONS, CONTENTS)	
1	1,000 GASOLINE
2	1,000 WASTE OIL
3	12,000 DIESEL
4	12,000 GASOLINE
5	500 GASOLINE
6	1,000 UNKNOWN

FORMER EXCAVATION (TYPICAL)

MW-7 NM

MW-1

MW-3 5.34

MW-4

MW-5 NM

MW-8 6.10

MW-10 6.04

MW-12 5.80

DPE-1 5.82

MW-6

MW-11 5.76

MW-13 5.67

MW-9 5.56

MW-14 5.57

6.10 6.05 6.00 5.95 5.90 5.85 5.80 5.75 5.70 5.65 5.60 5.55

SHOP

OFFICE

SHED

DRIVE

APPROXIMATE PROPERTY LINE

FORMER DOMESTIC WELL

CASA GRANDE ROAD

NORTHWESTERN PACIFIC RAILROAD

SCALE : 1" = 30'

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POTENTIOMETRIC SURFACE MAP

AUGUST 15, 2013

SKOFF TRUCKING

1 CASA GRANDE ROAD

PETALUMA, CALIFORNIA

FIGURE 2

99-723

EBA ENGINEERING
825 SONOMA AVENUE
SUITE C
SANTA ROSA, CA 95404
TEL: (707) 544-0784

TABLE 1
MONITORING WELL SURVEY AND GROUNDWATER ELEVATION DATA
Skoff Trucking
1 Casa Grande Road, Petaluma, California

Location	TOC Elevation (feet MSL)	Screened Interval (feet below TOC)	Date	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet MSL)
MW-1	7.96	5-15	11/5/1999	2.72	5.24
			1/26/2000	0.69	7.27
			2/15/2000	0.34	7.62
			3/28/2000	0.95	7.01
			5/9/2000	1.67	6.29
			6/6/2000	2.41	5.55
			7/24/2000	2.80	5.16
			8/23/2000	2.99	4.97
			11/1/2000	1.58	6.38
			2/8/2001	1.42	6.54
			6/19/2001	2.35	5.61
			10/3/2001	2.72	5.24
			1/16/2002	1.12	6.84
			4/9/2002	1.83	6.13
			7/25/2002	2.28	5.68
			10/21/2002	2.55	5.41
			1/21/2003	1.10	6.86
			4/23/2003	1.57	6.39
			7/23/2003	2.23	5.73
			10/30/2003	2.68	5.28
			1/28/2004	1.31	6.65
			4/20/2004	1.72	6.24
			7/15/2004	2.31	5.65
			10/6/2004	2.73	5.23
			1/6/2005	0.61	7.35
			4/13/2005	NM	NM
			7/20/2005	NM	NM
			10/19/2005	NM	NM
			1/19/2006	NM	NM
			4/17/2006	NM	NM
	Monitoring well destroyed on June 26, 2006				
MW-2	7.00	8-18	11/5/1999	2.02	4.98
			1/26/2000	0.27	6.73
			2/15/2000	-	: TOC
			3/28/2000	0.59	6.41
			5/9/2000	1.06	5.94
			6/6/2000	1.64	5.36
			7/24/2000	2.02	4.98
			8/23/2000	2.12	4.88
			11/1/2000	NM	NM
			2/8/2001	0.81	6.19
			6/19/2001	1.74	5.26
			10/3/2001	2.09	4.91
			1/16/2002	0.56	6.44
			4/9/2002	1.21	5.79
			7/25/2002	1.58	5.42
			10/21/2002	1.87	5.13
			1/21/2003	0.60	6.40
			4/23/2003	0.99	6.01
			7/23/2003	1.53	5.47
			10/30/2003	2.10	4.90
			1/28/2004	0.78	6.22
			4/20/2004	1.11	5.89
			7/15/2004	1.67	5.33
			10/6/2004	2.07	4.93
			1/6/2005	0.12	6.88
			4/13/2005	NM	NM
			7/20/2005	NM	NM
			10/19/2005	NM	NM
			1/19/2006	NM	NM
			4/17/2006	NM	NM
	Monitoring well destroyed on June 26, 2006				

TABLE 1
MONITORING WELL SURVEY AND GROUNDWATER ELEVATION DATA
Skoff Trucking
1 Casa Grande Road, Petaluma, California

Location	TOC Elevation (feet MSL)	Screened Interval (feet below TOC)	Date	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet MSL)
MW-3	7.24	11-21	11/5/1999	2.30	4.94
			1/26/2000	0.46	6.78
			2/15/2000	-	>TOC
			3/28/2000	0.61	6.63
			5/9/2000	1.22	6.02
			6/6/2000	1.88	5.36
			7/24/2000	2.34	4.90
			8/23/2000	2.41	4.83
			11/1/2000	1.16	6.08
			2/8/2001	1.03	6.21
			6/19/2001	1.97	5.27
			10/3/2001	2.28	4.96
			1/16/2002	0.56	6.68
			4/9/2002	1.38	5.86
			7/25/2002	1.82	5.42
			10/21/2002	2.07	5.17
			1/21/2003	0.66	6.58
			4/23/2003	1.18	6.06
			7/23/2003	1.83	5.41
			10/30/2003	2.22	5.02
			1/28/2004	0.88	6.36
			4/20/2004	1.30	5.94
			7/15/2004	1.90	5.34
			10/6/2004	2.27	4.97
			1/6/2005	NM	NM
			4/13/2005	0.86	6.38
			7/20/2005	1.94	5.30
			10/19/2005	2.24	5.00
			1/19/2006	0.23	7.01
			4/17/2006	0.17	7.07
			8/16/2006	1.85	5.39
			11/30/2006	1.12	6.12
			3/29/2007	1.35	5.89
			6/27/2007	2.42	4.82
			9/26/2007	2.94	4.30
			12/12/2007	1.53	5.71
			3/20/2008	1.23	6.01
			6/30/2008	2.20	5.04
			9/4/2008	2.51	4.73
			3/27/2009	1.15	6.09
			3/19/2010	0.74	6.50
			9/23/2010	2.49	4.75
			3/28/2011	-	>TOC
			8/25/2011	1.91	5.33
			3/20/2012	0.41 [A]	6.83
			8/15/2013	1.90	5.34
MW-4	7.04	5-25	11/5/1999	2.36	4.68
			1/26/2000	0.48	6.56
			2/15/2000	-	>TOC
			3/28/2000	0.36	6.68
			5/9/2000	1.23	5.81
			6/6/2000	1.79	5.25
			7/24/2000	2.48	4.56
			8/23/2000	2.50	4.54
			11/1/2000	1.08	5.96
			2/8/2001	0.97	6.07
			6/19/2001	1.93	5.11
			10/3/2001	2.29	4.75
			1/16/2002	0.66	6.38
			4/9/2002	1.31	5.73
			7/25/2002	1.72	5.32
			10/21/2002	1.96	5.08
			1/21/2003	0.55	6.49
			4/23/2003	1.11	5.93
			7/23/2003	1.77	5.27
			10/30/2003	2.06	4.98
			1/28/2004	0.78	6.26
			4/20/2004	1.15	5.89
			7/15/2004	1.78	5.26
			10/6/2004	2.13	4.91
			1/6/2005	-	>TOC
			4/13/2005	NM	NM
			7/20/2005	NM	NM
			10/19/2005	NM	NM
			1/19/2006	NM	NM
			4/17/2006	NM	NM
	Monitoring well destroyed on June 26, 2006				

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TABLE 1
MONITORING WELL SURVEY AND GROUNDWATER ELEVATION DATA
Skoff Trucking
1 Casa Grande Road, Petaluma, California

Location	TOC Elevation (feet MSL)	Screened Interval (feet below TOC)	Date	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet MSL)
MW-5	7.53	5-25	11/5/1999	2.95	4.58
			1/26/2000	0.42	7.11
			2/15/2000	0.15	7.38
			3/28/2000	0.81	6.72
			5/9/2000	1.85	5.68
			6/6/2000	2.71	4.82
			7/24/2000	3.12	4.41
			8/23/2000	3.08	4.45
			11/1/2000	1.57	5.96
			2/8/2001	1.51	6.02
			6/19/2001	2.47	5.06
			10/3/2001	2.83	4.70
			1/16/2002	1.22	6.31
			4/9/2002	1.85	5.68
			7/25/2002	2.19	5.34
			10/21/2002	2.44	5.09
			1/21/2003	1.01	6.52
			4/23/2003	1.63	5.90
			7/23/2003	2.26	5.27
			10/30/2003	2.54	4.99
			1/28/2004	1.28	6.25
			4/20/2004	1.63	5.90
			7/15/2004	2.21	5.32
			10/6/2004	2.54	4.99
			1/6/2005	0.60	6.93
			4/13/2005	1.24	6.29
			7/20/2005	2.33	5.20
			10/19/2005	2.33	5.11
			1/19/2006	0.52	7.01
			4/17/2006	0.52	7.01
			8/16/2006	NM	NM
			11/30/2006	1.38	6.15
			3/29/2007	1.64	5.89
			6/27/2007	2.70	4.38
			9/26/2007	3.27	4.26
			12/12/2007	1.77	5.76
			3/20/2008	1.53	6.00
			6/30/2008	NM	NM
			9/4/2008	NM	NM
			3/27/2009	1.55	5.98
			3/19/2010	1.24	6.29
			9/23/2010	2.85	4.68
			3/28/2011	0.33	7.20
			8/25/2011	2.27	5.26
			3/20/2012	0.66	6.87
			8/15/2013	NM	NM
MW-6	7.88	5-20	6/19/2001	2.50	5.38
			10/3/2001	2.92	4.96
			1/16/2002	1.30	6.58
			4/9/2002	1.96	5.92
			7/25/2002	2.28	5.6
			10/21/2002	2.57	5.31
			1/21/2003	1.17	6.71
			4/23/2003	1.72	6.16
			7/23/2003	2.24	5.64
			10/30/2003	2.61	5.27
			1/28/2004	1.41	6.47
			4/20/2004	1.74	6.14
			7/15/2004	2.27	5.61
			10/6/2004	2.63	5.25
			1/6/2005	0.68	7.20
			4/13/2005	NM	NM
			7/20/2005	NM	NM
			10/19/2005	NM	NM
			1/19/2006	NM	NM
			4/17/2006	NM	NM
	Monitoring well destroyed on June 26, 2006				

TABLE 1
MONITORING WELL SURVEY AND GROUNDWATER ELEVATION DATA
Skoff Trucking
1 Casa Grande Road, Petaluma, California

Location	TOC Elevation (feet MSL)	Screened Interval (feet below TOC)	Date	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet MSL)
MW-7	7.69	3-13	6/19/2001	2.04	5.65
			10/3/2001	2.39	5.30
			1/16/2002	0.92	6.77
			4/9/2002	1.60	6.09
			7/25/2002	1.98	5.71
			10/21/2002	2.22	5.47
			1/21/2003	0.92	6.77
			4/23/2003	1.33	6.36
			7/23/2003	1.89	5.80
			10/30/2003	2.36	5.33
			1/28/2004	1.11	6.58
			4/20/2004	1.51	6.18
			7/15/2004	2.00	5.69
			10/6/2004	2.38	5.31
			1/6/2005	0.36	7.33
			4/13/2005	1.00	6.69
			7/20/2005	2.04	5.65
			10/19/2005	2.33	5.36
			1/19/2006	0.46	7.23
			4/17/2006	0.36	7.33
			8/16/2006	2.00	5.69
			11/30/2006	1.39	6.30
			3/29/2007	1.55	6.14
			6/27/2007	2.46	5.23
			9/26/2007	3.03	4.66
			12/12/2007	1.79	5.90
			3/20/2008	1.44	6.25
			6/30/2008	2.34	5.35
			9/4/2008	2.69	5.00
			3/27/2009	1.32	6.37
			3/19/2010	NM	NM
			9/23/2010	2.51	5.18
			3/28/2011	0.11	7.58
			8/25/2011	2.03	5.66
			3/20/2012	NM	NM
			8/15/2013	NM	NM
MW-8	8.23	3-15	7/23/2003	2.26	5.97
			10/30/2003	2.68	5.55
			1/28/2004	1.52	6.71
			4/20/2004	1.71	6.52
			7/15/2004	2.31	5.92
			10/6/2004	2.70	5.53
			1/6/2005	0.44	7.79
			4/13/2005	1.13	7.10
			7/20/2005	1.94	6.29
			10/19/2005	2.36	5.87
			1/19/2006	0.48	7.75
			4/17/2006	0.50	7.73
			8/16/2006	2.20	6.03
			11/30/2006	1.53	6.70
			3/29/2007	1.80	6.43
			6/27/2007	2.75	5.48
			9/26/2007	3.39	4.84
			12/12/2007	2.00	6.23
			3/20/2008	1.71	6.52
			6/30/2008	2.50	5.73
			9/4/2008	3.10	5.13
			3/27/2009	1.64	6.59
			3/19/2010	1.26	6.97
			9/23/2010	2.85	5.38
			3/28/2011	0.25	7.98
			8/25/2011	2.25	5.98
			3/20/2012	0.66	7.57
			8/15/2013	2.13	6.10

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TABLE 1
MONITORING WELL SURVEY AND GROUNDWATER ELEVATION DATA
Skoff Trucking
1 Casa Grande Road, Petaluma, California

Location	TOC Elevation (feet MSL)	Screened Interval (feet below TOC)	Date	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet MSL)
MW-9	8.11	3-19.45	7/23/2003	2.71	5.40
			10/30/2003	3.00	5.11
			1/28/2004	0.94	7.17
			4/20/2004	2.20	5.91
			7/15/2004	2.70	5.41
			10/6/2004	3.01	5.10
			1/6/2005	1.21	6.90
			4/13/2005	1.80	6.31
			7/20/2005	2.81	5.30
			10/19/2005	2.77	5.34
			1/19/2006	1.08	7.03
			4/17/2006	1.15	6.96
			8/16/2006	2.45	5.66
			11/30/2006	1.93	6.18
			3/29/2007	2.15	5.96
			6/27/2007	3.11	5.00
			9/26/2007	3.76	4.35
			12/12/2007	2.31	5.80
	8.09		3/20/2008	2.10	5.99
			6/30/2008	2.75	5.34
			9/4/2008	3.55	4.54
			3/27/2009	2.20	5.89
			3/19/2010	NM	NM
			9/23/2010	3.26	4.83
			3/28/2011	0.88	7.21
			8/25/2011	2.63	5.46
			3/20/2012	1.17	6.92
			8/15/2013	2.53	5.56
MW-10	7.74	8-18	8/16/2006	1.75	5.99
			11/30/2006	1.25	6.49
			3/29/2007	1.33	6.41
			6/27/2007	2.26	5.48
			9/26/2007	NM	NM
			12/12/2007	NM	NM
	7.78		3/20/2008	1.27	6.51
			6/30/2008	2.07	5.71
			9/4/2008	2.65	5.13
			3/27/2009	1.19	6.59
			3/19/2010	0.77	7.01
			9/23/2010	2.42	5.36
			3/28/2011	-	>TOC
			8/25/2011	1.78	6.00
			3/20/2012	0.21 [A]	7.57
			8/15/2013	1.74	6.04
MW-11	7.85	6-16	8/16/2006	2.08	5.77
			11/30/2006	1.36	6.49
			3/29/2007	1.69	6.16
			6/27/2007	2.45	5.40
			9/26/2007	3.33	4.52
			12/12/2007	1.81	6.04
	7.88		3/20/2008	1.60	6.28
			6/30/2008	2.35	5.53
			9/4/2008	3.10	4.78
			3/27/2009	1.59	6.29
			3/19/2010	1.33	6.55
			9/23/2010	2.85	5.03
			3/28/2011	0.11	7.77
			8/25/2011	2.20	5.68
			3/20/2012	0.49 [A]	7.39
			8/15/2013	2.12	5.76
MW-12	8.03	6-16	8/16/2006	2.21	5.82
			11/30/2006	1.54	6.49
			3/29/2007	1.82	6.21
			6/27/2007	2.80	5.23
			9/26/2007	3.43	4.60
			12/12/2007	1.97	6.06
	8.06		3/20/2008	1.73	6.33
			6/30/2008	2.52	5.54
			9/4/2008	3.18	4.88
			3/27/2009	1.70	6.36
			3/19/2010	1.32	6.74
			9/23/2010	2.95	5.11
			3/28/2011	0.34	7.72
			8/25/2011	2.33	5.73
			3/20/2012	0.39 [A]	7.67
			8/15/2013	2.26	5.80

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TABLE 1

MONITORING WELL SURVEY AND GROUNDWATER ELEVATION DATA

Skoff Trucking

1 Casa Grande Road, Petaluma, California

Location	TOC Elevation (feet MSL)	Screened Interval (feet below TOC)	Date	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet MSL)
MW-13	8.52	6-18	6/27/2007	3.41	5.11
	8.54		9/26/2007	4.10	4.42
			12/12/2007	1.97	6.55
			3/20/2008	2.31	6.23
			6/30/2008	2.91	5.63
			9/4/2008	3.93	4.61
			3/27/2009	2.41	6.13
			3/19/2010	2.21	6.33
			9/23/2010	3.59	4.95
			3/28/2011	1.46	7.08
			8/25/2011	2.95	5.59
			3/20/2012	1.68	6.86
			8/15/2013	2.87	5.67
MW-14	9.50	6-18	6/27/2007	4.46	5.04
			9/26/2007	5.17	4.33
			12/12/2007	3.75	5.75
			3/20/2008	3.41	6.09
			6/30/2008	3.98	5.52
			9/4/2008	5.03	4.47
			3/27/2009	3.52	5.98
			3/19/2010	3.31	6.19
			9/23/2010	4.68	4.82
			3/28/2011	2.58	6.92
			8/25/2011	4.03	5.47
			3/20/2012	2.78	6.72
			8/15/2013	3.93	5.57
DPE-1	7.86	6-15	3/20/2008	1.58	6.28
			6/30/2008	2.35	5.51
			9/4/2008	3.05	4.81
			3/27/2009	1.55	6.31
			3/19/2010	1.21	6.65
			9/23/2010	2.81	5.05
			3/28/2011	NM	NM
			8/25/2011	2.19	5.67
			3/20/2012	NM	NM
			8/15/2013	2.04	5.82

^ = Depth to water approximate (water level too high to use electronic sounder)

TOC = Top of Casing.

MSL = Mean Sea Level.

NM = Not Measured.

TABLE 2
GROUNDWATER SAMPLE ANALYTICAL RESULTS
GRO, DRO, BTEX, MtBE, Nitrates as NO_3 and Total Dissolved Solids
Skoff Trucking
1 Casa Grande Road, Petaluma, California

Sample ID	Sample Date	GRO [F] (µg/L)	DRO [G] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	Nitrates (as NO_3) (mg/L)	Total Dissolved Solids (mg/L)
MW-1	7/25/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	11/5/1999	ND	84	ND	ND	ND	ND	ND	6.6	NA
	2/15/2000	ND	ND	ND	ND	ND	ND	ND	9.0	NA
	5/9/2000	ND	72	ND	ND	ND	ND	ND	6.3	NA
	8/23/2000	ND	74	ND	ND	ND	ND	ND	9.6	NA
	11/1/2000	ND	ND	ND	ND	ND	ND	ND	2.8	NA
	2/8/2001	ND	ND	ND	ND	ND	ND	ND	13	NA
	6/19/2001	ND	ND	ND	ND	ND	ND	ND	1.0	NA
	10/3/2001	<50	<50	<0.3	<0.3	<0.5	<0.5	<1	19	NA
	1/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/9/2002	<50	<50	<0.3	<0.3	<0.5	<0.5	<1	3.0	NA
	7/25/2002	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/21/2002	<50	<50	<0.30	<0.30	<0.50	<0.50	<1.0	19	NA
	1/21/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/23/2003	<50	<50	<0.30	<0.30	<0.50	<0.50	<1.0	3.3	NA
	7/23/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/30/2003	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	21	NA
	1/28/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/20/2004	<50	<50	<0.60	<0.60	<1.0	<1.0	<1.0	13	NA
	7/15/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/6/2004	<50	<50	<0.60	<0.60	<1.0	<1.0	<1.0	16	NA
	1/6/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/13/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/20/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/19/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/19/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/17/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Well destroyed on June 26, 2006									
MW-2	7/25/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	11/5/1999	ND	ND	ND	ND	ND	ND	ND	13	NA
	2/15/2000	ND	ND	ND	ND	ND	ND	ND	18	NA
	5/9/2000	ND	ND	ND	ND	ND	ND	ND	55	NA
	8/23/2000	ND	ND	ND	ND	ND	ND	ND	46	NA
	11/1/2000	NS	NS	NS	NS	NS	NS	NS	NS	NA
	2/8/2001	ND	ND	ND	ND	ND	ND	ND	45	NA
	6/19/2001	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2001	<50	<50	<0.3	<0.3	<0.5	<0.5	<1	53	NA
	1/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/9/2002	<50	<50	<0.3	<0.3	<50	<50	<1	14	NA
	7/25/2002	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/21/2002	<50	<50	<0.30	<0.30	<0.50	<0.50	<1.0	48	NA
	1/21/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/23/2003	<50	<50	<0.30	<0.30	<0.50	<0.50	<1.0	13	NA
	7/23/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/30/2003	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	48	NA
	1/28/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/20/2004	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	47	NA
	7/15/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/6/2004	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	47	NA
	1/6/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/13/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/20/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/19/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/19/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/17/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Well destroyed on June 26, 2006.									

TABLE 2
GROUNDWATER SAMPLE ANALYTICAL RESULTS
GRO, DRO, BTEX, MtBE, Nitrates as NO_3 and Total Dissolved Solids
Skoff Trucking
1 Casa Grande Road, Petaluma, California

Sample ID	Sample Date	GRO F (µg/L)	DRO G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	Nitrates (as NO_3) (mg/L)	Total Dissolved Solids (mg/L)
MW-3	7/25/1991	90	0.9	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	11/5/1999	ND	144	ND	ND	ND	ND	16	7.8	NA
	2/15/2000	ND	130	ND	ND	ND	ND	12	14	NA
	5/9/2000	ND	ND	ND	ND	ND	ND	8.3	40	NA
	8/23/2000	ND	ND	ND	ND	ND	ND	16	27	NA
	11/1/2000	ND	ND	ND	ND	ND	ND	20	7.2	NA
	2/8/2001	ND	63	ND	ND	ND	ND	9.5	29	NA
	6/19/2001	ND	ND	ND	ND	ND	ND	5.8	8.9	NA
	10/3/2001	<50	<50	<0.3	<0.3	<0.5	<0.5	10	30	NA
	1/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/9/2002	<50	75	<0.3	<0.3	<50	<50	3.1	10	NA
	7/25/2002	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/21/2002	<50	<50	<0.30	<0.30	<0.50	<0.50	3.6	33	NA
	1/21/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/23/2003	<50	<50	<0.30	<0.30	<0.50	<0.50	1.8	10	NA
	7/23/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/30/2003	<50	<50	<0.30	<0.30	<0.50	<0.50	1.7	40	NA
	1/28/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/20/2004	<50	<50	<0.30	<0.30	<0.50	<0.50	1.0	32	NA
	7/15/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/6/2004	<50	<50	<0.30	<0.30	<0.50	<0.50	1.2	34	NA
	1/6/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/13/2005	<50	<50	<0.30	<0.30	<0.50	<0.50	1.2	29	NA
	7/20/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/19/2005	<50	<50	<0.30	<0.30	<0.50	<0.50	0.8	34	NA
	1/19/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/17/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/16/2006	<50	<50	<0.30	<0.30	<0.50	<0.50	0.72	NA	NA
	11/30/2006	<50	<50	<0.30	<0.30	<0.50	<0.50	0.58	NA	NA
	3/29/2007	<50	<50	<0.30	<0.30	<0.50	<0.50	0.71	NA	NA
	6/27/2007	<50	<63	<0.30	<0.30	<0.50	<0.50	<0.50	NA	NA
	9/26/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/12/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/20/2008	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA	NA
	6/30/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/4/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/27/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/19/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/23/2010	<50	NA	<0.500	<0.500	<0.500	<0.500	0.630	NA	NA
	3/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/25/2011	<50	NA	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA
	3/20/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/15/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	7/25/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	11/5/1999	ND	ND	ND	ND	ND	ND	ND	11	NA
	2/15/2000	ND	ND	ND	ND	ND	ND	ND	8.2	NA
	5/9/2000	ND	ND	ND	ND	ND	ND	ND	45	NA
	8/23/2000	ND	ND	ND	ND	ND	ND	ND	44	NA
	11/1/2000	ND	ND	ND	ND	ND	ND	ND	11	NA
	2/8/2001	ND	ND	ND	ND	ND	ND	ND	38	NA
	6/19/2001	ND	ND	ND	ND	ND	ND	ND	11	NA
	10/3/2001	<50	<50	<0.3	<0.3	<0.5	<0.5	<1	41	NA
	1/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/9/2002	<50	<50	<0.3	<0.3	<0.5	<0.5	<1	12	NA
	7/25/2002	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/21/2002	<50	<50	<0.30	<0.30	<0.50	<0.50	<1.0	41	NA
	1/21/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/23/2003	<50	<50	<0.30	<0.30	<0.50	<0.50	<1.0	11	NA
	7/23/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/30/2003	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	47	NA
	1/28/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/20/2004	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	39	NA
	7/15/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/6/2004	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	43	NA
	1/6/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/13/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/20/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/19/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/19/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/17/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Well destroyed on June 26, 2006									

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TABLE 2
GROUNDWATER SAMPLE ANALYTICAL RESULTS
GRO, DRO, BTEX, MtBE, Nitrates as NO_3 and Total Dissolved Solids
Skoff Trucking
1 Casa Grande Road, Petaluma, California

Sample ID	Sample Date	GRO [F] (µg/L)	DRO [G] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	Nitrates (as NO_3) (mg/L)	Total Dissolved Solids (mg/L)
MW-5	7/25/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	11/5/1999	ND	ND	ND	ND	ND	ND	ND	7.4	NA
	2/15/2000	ND	ND	ND	ND	ND	ND	ND	12	NA
	5/9/2000	ND	ND	ND	ND	ND	ND	ND	27	NA
	8/23/2000	ND	ND	ND	ND	ND	ND	ND	35	NA
	11/1/2000	ND	ND	ND	ND	ND	ND	ND	6.6	NA
	2/8/2001	ND	ND	ND	ND	ND	ND	ND	21	NA
	6/19/2001	ND	ND	ND	ND	ND	ND	ND	5.8	NA
	10/3/2001	<50	<50	<0.3	<0.3	<0.5	<0.5	<1	20	NA
	1/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/9/2002	<50	<50	<0.3	<0.3	<0.5	<0.5	<1	5.2	NA
	7/25/2002	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/21/2002	<50	<50	<0.30	<0.30	<0.50	<0.50	<1.0	18	NA
	1/21/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/23/2003	<50	<50	<0.30	<0.30	<0.50	<0.50	<1.0	4.8	NA
	7/23/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/30/2003	<50	<50	<0.60	<0.60	<1.0	<1.0	<1.0	17	NA
	1/28/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/20/2004	<50	<50	<0.60	<0.60	<1.0	<1.0	<1.0	15	NA
	7/15/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/6/2004	<50	<50	<0.60	<0.60	<1.0	<1.0	<1.0	15	NA
	1/6/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/13/2005	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	14	NA
	7/20/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/19/2005	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	14	NA
	1/19/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/17/2006	<100	<50	<0.60	<0.60	<1.0	<1.0	<1.0	13	NA
	8/16/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/30/2006	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA	760
	3/29/2007	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA	NA
	6/27/2007	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA	NA
	9/26/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/12/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/20/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/30/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/4/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/27/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/19/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/23/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/25/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/20/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/15/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-6	6/19/2001	14,000	2,400	1,800	21	420	430	ND	2.4	NA
	10/3/2001	11,000	710	2,300	<6.6	210	170	<9	12	NA
	1/16/2002	5,700	430	1,300	10	190	85	<0.5	<0.2	NA
	4/9/2002	6,500	340	1,200	ND	180	60	<87	2.4	NA
	7/25/2002	6,400	390	1,100	<15	140	62	<9	10	NA
	10/21/2002	5,900	230	810	12	110	70	<9.0	12	NA
	1/21/2003	3,600	170	540	6.5	87	50	<29	7.0	NA
	4/23/2003	4,200	320	790	6.3	80	51	<5.4	1.6	NA
	7/23/2003	5,900	350	810	6.8	91	80	<43	1.9	NA
	10/30/2003	4,900	550	1,100	<30	110	100	<50	14	NA
	1/28/2004	2,400	190	390	<27	<110	<45	<65	3.9	NA
	4/20/2004	3,200	280	570	6.4	76	56	<10	5.8	NA
	7/15/2004	2,900	390	700	10	69	64	<10	6.1	NA
	10/6/2004	3,000	400	880	<15	60	37	<25	6.7	NA
	1/6/2005	1,900	150	250	3.8	32	19	<5.0	2.3	NA
	4/13/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/20/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/19/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/19/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/17/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Well destroyed on June 26, 2006									

TABLE 2
GROUNDWATER SAMPLE ANALYTICAL RESULTS
GRO, DRO, BTEX, MtBE, Nitrates as NO_3 and Total Dissolved Solids
Skoff Trucking
1 Casa Grande Road, Petaluma, California

Sample ID	Sample Date	GRO [F] (µg/L)	DRO [G] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	Nitrates (as NO_3) (mg/L)	Total Dissolved Solids (mg/L)
MW-7	6/19/2001	ND	**400**	ND	ND	ND	ND	**2.4**	ND	NA
	10/3/2001	<50	**99**	<0.3	<0.3	<0.5	<0.5	**2.1**	**3.0**	NA
	1/16/2002	<50	**270**	<0.3	<0.3	<0.5	<0.5	**2.2**	**1.9**	NA
	4/9/2002	<50	**420**	<0.3	<0.3	<0.5	<0.5	**2.0**	<0.2	NA
	7/25/2002	<50	**190**	<0.3	<0.3	<0.5	<0.5	**2.1**	**3.6**	NA
	10/21/2002	<50	**160**	<0.30	<0.30	<0.50	<0.50	**2.6**	**4.7**	NA
	1/21/2003	<50	**70**	<0.30	<0.30	<0.50	<0.50	**2.0**	**4.7**	NA
	4/23/2003	<50	**90**	<0.30	<0.30	<0.50	<0.50	**2.5**	<0.2	NA
	7/23/2003	<50	**120**	<0.30	<0.30	<0.50	<0.50	**2.3**	<0.2	NA
	10/30/2003	<50	**1,400**	<0.30	<0.30	<0.50	<0.50	**2.4**	**4.3**	NA
	1/28/2004	<50	**180**	<0.30	<0.30	<0.50	<0.50	**4.4**	<1.0	NA
	4/20/2004	<50	**140**	<3.0	<3.0	<5.0	<5.0	<5.0	<2.0	NA
	7/15/2004	<50	**530**	<0.30	<0.30	<0.50	<0.50	**2.5**	<1.0	NA
	10/6/2004	<50	**8,800**	<0.60	<0.60	<1.0	<1.0	**3.1**	<1.0	NA
	1/6/2005	<500	<50	<3.0	<3.0	<5.0	<5.0	<5.0	<1.0	NA
	4/13/2005	<250	**140**	<1.5	<1.5	<2.5	<2.5	**3.0**	<1.0	NA
	7/20/2005	<50	**410**	<0.30	<0.30	<0.50	<0.50	**2.6**	<1.0	NA
	10/19/2005	<50	**120**	<0.30	<0.30	<0.50	<0.50	**2.4**	<1.0	NA
	1/19/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/17/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/16/2006	<50	**680**	<0.30	<0.30	<0.50	<0.50	**2.8**	NA	NS
	11/30/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/29/2007	<50	**200**	<0.30	<0.30	<0.50	<0.50	**2.6**	NA	NA
	6/27/2007	<50	**110**	<0.30	<0.30	<0.50	<0.50	**2.2**	NA	NA
	9/26/2007*	<50	**200**	<0.30	<0.30	<0.50	<0.50	**4.0**	NA	NA
	12/12/2007	<50	**59**	<0.30	<0.30	<0.50	<0.50	**3.6**	NA	NA
	3/20/2008	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA	NA
	6/30/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/4/2008	<50	**240[E]**	<0.30	<0.30	<0.50	<0.50	**3.2**	NA	NA
	3/27/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/19/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/23/2010	<50	<50	<0.500	<0.500	<0.500	<0.500	**4.04**	NA	NA
	3/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/25/2011	<50	**74**	<0.500	<0.500	<0.500	<0.500	**1.91**	NA	NA
	3/20/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/15/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-8	7/23/2003	<50	<78	<0.30	<0.30	<0.50	<0.50	<1.0	**4.1**	NA
	10/30/2003	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	**17.0**	NA
	1/28/2004	<50	<53	<0.30	<0.30	<0.50	<0.50	<1.0	<1.0	NA
	4/20/2004	<50	<50	<6.0	<6.0	<10	<10	<10	<2.0	NA
	7/15/2004	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	<1.0	NA
	10/6/2004	<50	<50	<0.60	<0.60	<1.0	<1.0	<1.0	<1.0	NA
	1/6/2005	<1000	<50	<6.0	<6.0	<10	<10	<10	<1.0	NA
	4/13/2005	<500	<50	<3.0	<3.0	<5.0	<5.0	<5.0	<1.0	NA
	7/20/2005	<1000	<50	<6.0	<6.0	<10	<10	<10	<1.0	NA
	10/19/2005	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	<1.0	NA
	1/19/2006	<500	<50	<3.0	<3.0	<5.0	<5.0	<5.0	<1.0	NA
	4/17/2006	<250	<50	<1.5	<1.5	<2.5	<2.5	<2.5	<1.0	NA
	8/16/2006	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA	**960**
	11/30/2006	<500	<50	<3.0	<3.0	<5.0	<5.0	<5.0	NA	**880**
	3/29/2007	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	<1.0	NA
	6/27/2007	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	<1.0	NA
	9/26/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/12/2007	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	<1.0	NA
	3/20/2008	NA	NA	NA	NA	NA	NA	NA	<1.0	NA
	6/30/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/4/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/27/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/19/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/23/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/25/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/20/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/15/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 2
GROUNDWATER SAMPLE ANALYTICAL RESULTS
GRO, DRO, BTEX, MtBE, Nitrates as NO_3 and Total Dissolved Solids
Skoff Trucking
1 Casa Grande Road, Petaluma, California

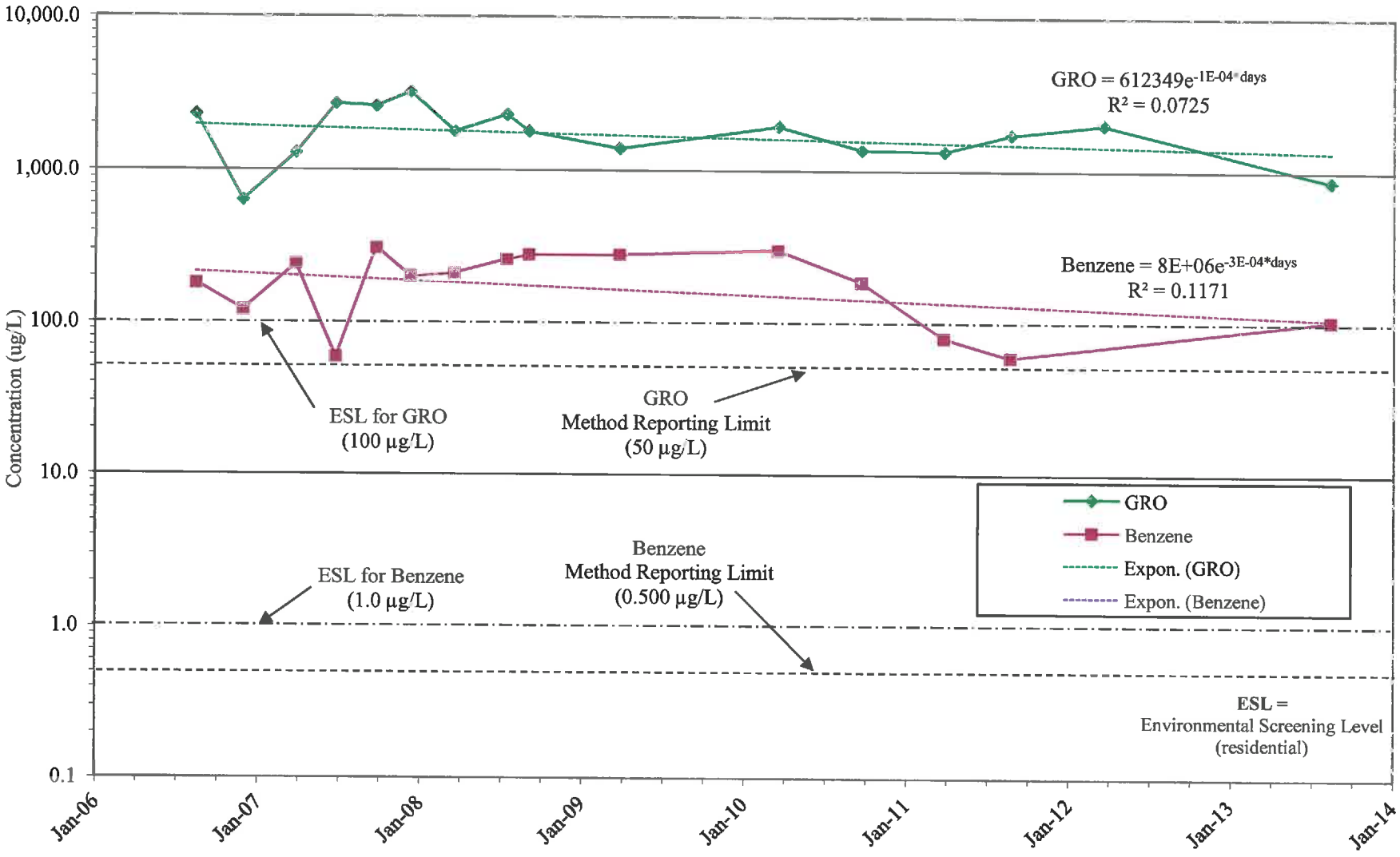
Sample ID	Sample Date	GRO[F] (µg/L)	DRO[G] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	Nitrates (as NO_3) (mg/L)	Total Dissolved Solids (mg/L)
MW-9	7/23/2003	<50	<88	<0.30	<0.30	<0.50	<0.50	<1.0	4.4	NA
	10/30/2003	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	9.3	NA
	1/28/2004	<50	<52	<0.30	<0.30	<0.50	<0.50	<1.0	17	NA
	4/20/2004	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	18	NA
	7/15/2004	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	14	NA
	10/6/2004	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	14	NA
	1/6/2005	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	16	NA
	4/13/2005	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	19	NA
	7/20/2005	<50	50	<0.30	<0.30	<0.50	<0.50	<0.50	13	NA
	10/19/2005	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	10	NA
	1/19/2006	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	14	NA
	4/17/2006	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	17	NA
	8/16/2006	<50	<58	<0.30	<0.30	<0.50	<0.50	<0.50	NA	1,000
	11/30/2006	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA	1,000
	3/29/2007	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	2,100[C]	NA
	4/26/2007	NA	NA	NA	NA	NA	NA	NA	3.9	NA
	6/27/2007	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	4.5	NA
	9/26/2007**	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	5.3	NA
	12/12/2007	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	3.8	NA
	3/20/2008	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	1.5	NA
	6/30/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/4/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/27/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/19/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/23/2010	<50	NA	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA
	3/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/25/2011	<50	NA	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA
	3/20/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/15/2013	<50	<51	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA
MW-10	8/16/2006	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	2.3	NA
	11/30/2006	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA	NA
	3/29/2007	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA	NA
	6/27/2007	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA	NA
	9/26/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/12/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/20/2008	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA	NA
	6/30/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/4/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/27/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/19/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/25/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/20/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/15/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-11	8/16/2006	2,300	300[A]	180	2.5	35	63	<0.50	4.9	NA
	11/30/2006	640	300[A]	120	<3.0	21	23	<5.0	NA	NA
	3/29/2007	1,300	320[A]	240	<6.0	45	40	<10	<1.0	NA
	6/27/2007	2,700	270	59	2.2	43	32	<2.5	<1.0	NA
	9/26/2007	2,600	330[B]	310	<3.0	58	55	<5.0	<1.0	NA
	12/12/2007	3,200	360[B]	200	<6.0	93	81	<10	<1.0	NA
	3/20/2008	1,800	200[B]	210	<6.0	63	47	<10	<1.0	NA
	6/30/2008	NA[D]	1,200[B]	260[D]	NA[D]	NA[D]	NA[D]	NA[D]	NA	NA
	7/16/2008	2,300	NA	260	2.8	39	40	<0.50	NA	NA
	9/4/2008	1,800	NA	280	<3.0	37	26	<5.0	NA	NA
	3/27/2009	1,400	NA	300	2.4	74	33	<2.5	NA	NA
	3/19/2010	1,960	NA	185	1.91	71.1	36.2	<1.00	NA	NA
	9/23/2010	1,380	NA	79.8	<1.00	20.3	9.00	<1.00	NA	NA
	3/28/2011	1,350	NA	59.5	<1.00	22.3	8.32	<1.00	NA	NA
	8/25/2011	1,740	NA	105	0.590	15.6	5.27	<0.500	NA	NA
	3/20/2012	2,020	NA	48.0	<2.50	25.8	6.70	<2.50	NA	NA
	8/15/2013	868	164[A]	37.2	<5.00	6.65	<5.00	<5.00	NA	NA

TABLE 2
GROUNDWATER SAMPLE ANALYTICAL RESULTS
GRO, DRO, BTEX, MtBE, Nitrates as NO_3 and Total Dissolved Solids
Skoff Trucking
1 Casa Grande Road, Petaluma, California

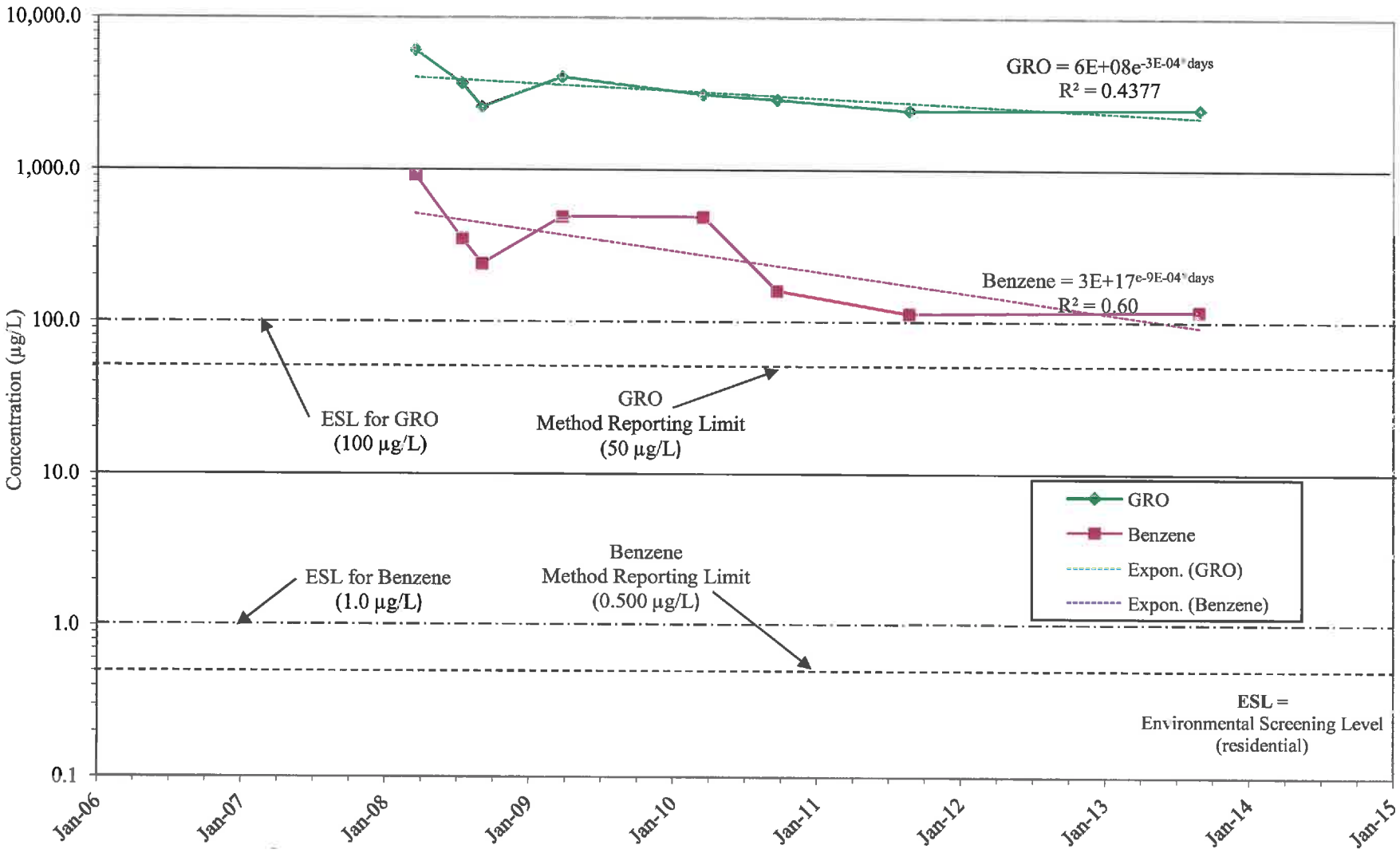
Sample ID	Sample Date	GRO [F] (µg/L)	DRO [G] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	Nitrates (as NO_3) (mg/L)	Total Dissolved Solids (mg/L)
MW-12	8/16/2006	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	18	NA
	11/30/2006	73	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA	NA
	3/29/2007	210	100[A]	<0.30	<0.30	<0.50	<0.50	<0.50	NA	NA
	6/27/2007	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA	NA
	9/26/2007	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA	NA
	12/12/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/20/2008	69	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA	NA
	6/30/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/4/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/27/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/19/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/23/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/25/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/20/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/15/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-13	6/27/2007	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	2.2	NA
	9/26/2007	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA	NA
	12/12/2007	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	11	NA
	3/20/2008	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	11	NA
	6/30/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/4/2008	<50	NA	<0.30	<0.30	<0.50	<0.50	<0.50	NS	NS
	3/27/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/19/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/23/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/25/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/20/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/15/2013	<50	<52	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA
MW-14	6/27/2007	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA	NA
	9/26/2007	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA	NA
	12/12/2007	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	12	NA
	3/20/2008	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	11	NA
	6/30/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/4/2008	<50	NA	<0.30	<0.30	<0.50	<0.50	<0.50	NS	NS
	3/27/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/19/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/23/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/25/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/20/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/15/2013	<50	<51	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA
DPE-1	3/20/2008	6,100	600[B]	910	<15	180	150	<25	NA	NA
	6/30/2008	NA[D]	1,300[B]	NA[D]	NA[D]	NA[D]	NA[D]	NA[D]	NA	NA
	7/16/2008	3,700	NA	350	5.7	140	260	<0.50	NA	NA
	9/4/2008	2,600	430[B]	240	3.3	<5.0	160	<5.0	NA	NA
	3/27/2009	4,100	NA	490	5.9	280	280	<0.50	NA	NA
	3/19/2010	3,140	NA	489	9.03	193	138	<5.00	NA	NA
	9/23/2010	2,920	NA	160	2.29	83.8	61.58	<1.00	NA	NA
	3/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/25/2011	2,480	NA	114	1.60	40.3	28.5	<1.00	NA	NA
	3/20/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/30/2013	2,530	269[A]	118	<2.50	38.2	15.7	<2.50	NA	NA

GRO = Gasoline Range Organics.
DRO = Diesel Range Organics.
BTEX = Benzene, Toluene, Ethylbenzene and total Xylenes.
MtBE = Methyl tert-Butyl Ether.
mg/L = Milligrams per Liter.
µg/L = Micrograms per Liter.
NA = Not Analyzed.
ND = Not Detected above laboratory Pracitcal Quantitation Limits.
NS = Not Sampled.
A = Analysis of this sample indicates the presence of hydrocarbons lower in molecular weight than diesel.
B = Results in the diesel organics range are primarily due to the overlap from a gasoline range product.
C = Resampled on 4/26/2007 due to anomalously high results.
D = Not analyzed due to missed hold times.
E = The hydrocarbon resembles weathered diesel.
F = Historically Identified as "Total Petroleum Hydrocarbons as gasoline (TPH-g)."
G = Historically Identified as "Total Petroleum Hydrocarbons as diesel (TPH-d)."
* = 1.6 µg/L of Di-isopropyl Ether (DIPE) also detected.
** = 0.55 µg/L of Di-isopropyl Ether (DIPE) also detected.

Graph 1
GRO and Benzene Concentrations in MW-11



Graph 2
GRO and Benzene Concentrations in DPE-1



sonoma county
DEPARTMENT OF HEALTH SERVICES
PUBLIC HEALTH DIVISION

Rita Scardaci, PHN, MPH – Director
Ellen Bauer, PhD, MPP – Division Director

November 15, 2013

Ultramar Inc.
685 West Third
Hanford, CA 93230

Re: 2601 Lakeville Highway, Petaluma, Ca
Site #00001231, SFBRWQCB #49-0193

Dear Responsible Party:

This letter confirms the completion of site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release at the site is required.

Claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,

CHRISTINE SOSKO, REHS
Director of Environmental Health

sonoma county
DEPARTMENT OF HEALTH SERVICES
PUBLIC HEALTH DIVISION

Rita Scardaci, PHN, MPH – Director
Ellen Bauer, PhD, MPP – Division Director

November 15, 2013

Dansk Investment Group, Inc.
Attn: Chuck Miller
6591 Collins Drive, Suite E-11
Moorpark, CA 93021

Re: 2601 Lakeville Highway, Petaluma, Ca
Site #00001231, SFBRWQCB #49-0193

Dear Mr. Miller:

This letter confirms the completion of site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release at the site is required.

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This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,

CHRISTINE SOSKO, REHS
Director of Environmental Health

sonoma county
DEPARTMENT OF HEALTH SERVICES
PUBLIC HEALTH DIVISION

Rita Scardaci, PHN, MPH – Director
Ellen Bauer, PhD, MPP – Division Director

November 15, 2013

Tesoro Petroleum Companies
Attn: Anastasia E. Duarte
345 South 344th Way, Suite 201
Auburn, WA 98001

Re: 2601 Lakeville Highway, Petaluma, Ca
Site #00001231, SFBRWQCB #49-0193

Dear Ms. Duarte:

This letter confirms the completion of site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release at the site is required.

Claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,

CHRISTINE SOSKO, REHS
Director of Environmental Health

Case Closure Summary

Leaking Underground Fuel Storage Tank Program

I. Agency Information **Date: May 9, 2013**

Agency name:	Sonoma County Dept. Health Services	Address:	625 Fifth Street
City/State/Zip:	Santa Rosa, CA 95404	Phone:	(707) 565-6565
Responsible staff person:	Darcy Bering	Title:	Environmental Health Specialist

II. Case Information

Site facility name: Beacon #3703 (Former)				
Site facility address: 2601 Lakeville Highway, Petaluma, CA 94952				
RB LUSTIS # 49-0193	SWEEPS # NA	LOP #00001231	URF filing date: 6/8/87	Local # NA
Responsible party		Address		Phone number
Tesoro Petroleum Companies Attn: Anastasia E. Duarte		3450 South 344th Way, Suite 201, Auburn, WA 98001		
USA Gasoline Corp (attn: Chuck Miller)		6591 Collins Drive, Suite E-11, Moorpark, CA 93021		
Ultramar Inc.		685 West Third, Hanford, CA 93230		

Tank #	Size in gal.	Contents	Closed-in-place/removed?	Date
1, 2 & 3	10,000	Gasoline	Removed	5/13/87
4	12,000	Diesel	Removed	5/13/87

III. Release and Site Characterization Information

Cause and type of release: Unknown		
Site characterization complete? Yes		Date approved by oversight agency: 5/9/2013
MW installed? Yes	Number: 17 (includes rem wells)	Proper screened interval: Yes (5'-30', 9'-24, 10'-25', 11'-26')
Highest GW depth BGS: 2.35'	Lowest depth: 17.31'	Flow direction: south, southeast
Most sensitive current use: Domestic and Municipal supply		
Are drinking water wells affected? No		Aquifer name: Petaluma Valley (2-1)
Is surface water affected? No		Nearest SW name: Adobe Creek approx. 1100' southeast
Off-site beneficial use impacts (addresses/locations): None		
Report(s) on file? Yes	Where is report(s) filed: Sonoma County Department of Health Services	

Treatment and Disposal of Affected Material

Material	Amount (include units)	Action (treatment or disposal w/ destination)	Date
Tank	4	RP unable to locate records, declaration on file*	5/87
Piping	unknown		
Free product	7,865	To Demenno Kardoon	10/30-11/7/2012
Soil	a) ~60 cubic yards, b) unknown* c) 1.272.5 tons, d) 531.5	a)TPS , Richmond, b) aerated and taken to class 3 Sonoma County Landfill c) to Potrero Hills, Suisun, d) Hay Road Landfill, Vacaville	a) 2000, b) 6/1987 c&d)10/25-11/15/12
Groundwater	128,830 gallons	Discharged under permit to City of Petaluma sewer	10/26-11/6/2012
Purge Water	17,052 gallons	Purge water to InStrat, Rio Vista, CA	2004-2012
Barrels	0		

Case Closure Summary

III. Release and Site Characterization Information (continued) **Site Address: 2601 Lakeville Highway, Petaluma, CA 94952**

Maximum Documented Contaminant Concentrations — Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppm)		Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (gas)	1000	1000	56	.370	Xylene	391	24	6.0	<.00050
TPH (diesel)	1600	1600	67	.100	Ethylbenzene	26	9.1	14	<.00050
Benzene	57	.081	67	.0055	Oil & grease	NS	NS	NS	NS
Toluene	120	.0063	1.1	<.00050	Heavy metals	NS	NS	NS	NS
Other					MTBE	NS	.030	45	.0071

Comments (depth of remediation, etc.): NS= Not Sampled. Before values are the highest reported.

Soil excavation during piping upgrade on 1/10/00. Approx. 60 cubic yards removed in a 10'x40'x 3-5' deep excavation

Ozone sparging occurred from 6/2/04 through 5/16/08.

High vacuum dual phase extraction occurred 12/6/99, 5/2 through10/30/00, 10/6/08 through10/9/08 and 9/30/10 through 12/9/10.

Second generation tanks removed in 2012 and approx 1,804 tons of soil and 128,830 gallons of water were removed.

An unauthorized release was not documented during the second generation tank removal and all contamination removed was attributed to the original release.

IV. Closure

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes

Does corrective action protect public health for current land use? Yes

Site management requirements: Contingency planning is required for worker safety and waste disposal if excavating in area(s) of residual contamination. The Building Department has been notified. Newly proposed water supply wells may require siting and design by a qualified professional engineer or geologist. Sonoma County Permit and Resource Mgmt. Dept. has been notified.

Should corrective action be reviewed if land use changes? Yes

Monitoring wells decommissioned? Yes	Number decommissioned: 4	Number retained: 13(includes rem)

List enforcement actions taken: None

List enforcement actions rescinded: Not Applicable

V. Local Agency Representative Data

Name: Leslye Choate	Title: Supervising Environmental Health Specialist
Signature: Leslye Choate	Date: 5-9-13

VI. RWQCB Notification

Date submitted to RB: June 10, 2013	RB Response: Concur with closure recommendation	
RWQCB staff name: John Jang (John Jang)	Title: WRCE	Date: June 13, 2013

VII. Additional Comments, Data, etc.

Monitoring wells will be destroyed under permit of this Department prior to site closure.

Site has conducted many remedial actions. Excavation, ozone sparging, and High Vacuum Dual Phased Extraction.

Removal of second generation of USTs in 2012 resulted in the additional excavation of 1.804 tons of soil and 128,830 gallons of gw.

Casa de Arroyo City well is approx 150' west of the site. It has been sampled on numerous occasions and the results have been ND

*Declaration is on file indicating no knowledge of improper disposal and that a diligent search was conducted for documentation.

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

March 14, 2012

Ms. Darcy Bering
Sonoma County Environmental Health
625 5th Street
Santa Rosa, California 95404

RE: Semi-Annual Groundwater Monitoring Report
Fourth Quarter 2011 and First Quarter 2012 Monitoring Events
Tesoro Site No. 67093
2601 Lakeville Highway, Petaluma, California SCDEH Site #00001231

Ms. Bering:

Horizon Environmental Inc. (Horizon), on behalf of Tesoro Companies, Inc. (Tesoro), submits herein the referenced *Semi-Annual Groundwater Monitoring Report* dated March 14, 2012 for your review.

Please contact Horizon Environmental at (916) 939-2170, or Jeffrey Baker of Tesoro at (253) 896-8708, with any questions or concerns regarding this project. Thank you for your continued cooperation.

Sincerely,
HORIZON ENVIRONMENTAL INC.

Karen P. Liptak
Staff Geologist

Attachment

cc: Tesoro
John Jang, RWQCB – San Francisco Bay Region (electronic copy)

HORIZON ENVIRONMENTAL INC.

Specialists in Site Assessment, Remedial Testing, Design and Operation

March 14, 2012

Mr. Jeffrey Baker, P.E.
Tesoro Companies, Inc.
3450 South 344th Way, Suite 201
Auburn, WA 98001-5931

Subject: **Semi-Annual Groundwater Monitoring Report**
Fourth Quarter 2011 and First Quarter 2012 Monitoring Events
Tesoro Site No. 67093 SCEHD Site #00001231
2601 Lakeville Highway, Petaluma, California

Mr. Baker:

On behalf of Tesoro Environmental Resources Company (Tesoro), Horizon Environmental (Horizon) has prepared this report to document the results of fourth quarter 2011 and first quarter 2012 groundwater monitoring and remediation activities at the subject site (Site) in Petaluma, California (Figure 1).

I. Executive Summary

Horizon conducted Fourth Quarter 2011 groundwater monitoring of extraction wells MW-1, RW-9 and RW-11 on October 19, 2011, and First Quarter 2012 groundwater monitoring of wells MW-1 through MW-8, RW-9, RW-10, RW-11, OS-6B and the Casa de Arroyo City backup water supply well on January 9 and 10, 2012. Dissolved TPHg, BTEX, and MTBE concentrations have decreased or remained stable for these constituents since the last remedial event performed in December 2010. Impacts above water quality objectives (WQOs) are limited to onsite monitoring wells, and the residual concentrations are continuing to attenuate.

Regression analyses performed utilizing well RW-9 concentration data indicate the attenuating concentrations should achieve WQOs beneath the Site in a reasonable amount of time (approximately ten years or less). Continued remedial actions are no longer economically feasible, and continuation of monitoring and corrective actions beyond 2012 is not warranted. Horizon recommends that a Low Risk - No Further Action Required (NFAR) closure status should be granted for the Site.

II. Site Background

Site description and site background details are located in Appendix A. Locations of pertinent site features are shown on the Site Plan (Figure 2).

III. Field Activities

Groundwater gauging and sampling activities were conducted by Horizon for fourth quarter 2011 on October 19, 2011, and for first quarter 2012 on January 9 and 10, 2012. Groundwater gauging and analytical data are summarized in Table 1. Field methods and procedures are described in detail in Appendix B.

IV. Analytical Program

Groundwater samples were analyzed according to State requirements. Analytical methods and quality assurance / quality control procedures were conducted by the analytical laboratory according to applicable regulatory guidelines. Groundwater samples were analyzed for total petroleum hydrocarbons as diesel (TPHd) with Silica Gel cleanup by modified Environmental Protection Agency (EPA) Method 8015; and for total petroleum hydrocarbons as gasoline (TPHg); the volatile aromatics benzene, toluene, ethylbenzene, total xylenes (BTEX); and the five fuel oxygenates methyl tert-butyl ether (MTBE), diisopropyl ether (DIPE), ethyl-t-butyl ether (ETBE), tert-amyl methyl ether (TAME), and tert-butanol (TBA) by EPA Method 8260B. Analytical reports are contained in Appendix C.

VI. Groundwater Monitoring Results

Groundwater level and analytical data are summarized in Table 1. Historical groundwater level and analytical data are summarized in Table 1A in Appendix D. The average depth-to-water (DTW) for wells MW-1 through RW-11 on January 9, 2012 was approximately 9.86 feet bsg. Water levels in wells MW-1 through RW-11 decreased (dropped) approximately 0.7-foot since being measured on October 19, 2011, when the average DTW for wells MW-1 through RW-11 was approximately 9.16 feet bsg. The average DTW for wells MW-1 through RW-11 on July 7, 2011 was approximately 8.31 bsg. Water levels in wells MW-1 through RW-11 decreased (dropped) approximately 2.8 feet since being measured on April 6, 2011. This pattern of rising groundwater levels in the winter and spring, then decreasing groundwater levels in the summer and autumn is typical for the Petaluma area, and observed in the historical groundwater levels measured since 1989 at the Site.

Groundwater elevation data was used to construct the Groundwater Elevation Contour Map as shown on Figure 2. Water-level data collected on January 9, 2012 indicated that the groundwater flow direction was toward the south-southeast beneath the Site area, as shown on the Groundwater Elevation Contour Map (Figure 2), at an average gradient of 0.03-foot/foot. This groundwater flow direction is consistent with historical groundwater monitoring events. Groundwater analytical summary and isoconcentration maps for the January 2012 data are shown on Figures 3, 4 and 5. Time-Trend Charts that show TPHd, TPHg, Benzene and MTBE

concentrations over time are shown for wells MW-1, RW-9 and RW-11 are shown on Figures 6, 7 and 8.

No concentrations of TPHd, TPHg, BTEX or the fuel oxygenates TBA, TAME, DIPE and ETBE were reported in the water sample collected from well OS-6B, which monitors a deeper water-bearing zone at depths of 79 to 84 feet bsg. A trace concentration of 1.6 parts per billion (ppb) of MTBE was reported in the water sample from well OS-6B; this concentration is well below the MTBE water quality objective (WQO) of 5.0 ppb. The last reported MTBE concentration from well OS-6B was a trace concentration of 0.60 ppb in July 7, 2011 and 0.80 ppb in April 2007. This data indicates that groundwater impacts above WQOs are limited to the uppermost water-bearing zone beneath the Site, and are isolated onsite in the central portion of the Site between the USTs and the west end of the southern dispenser island.

VII. Conclusions

Groundwater Monitoring

Dissolved TPHg, BTEX, and MTBE concentrations have decreased or remained stable for these constituents since the last remedial event performed in December 2010. Dissolved TPHg, BTEX, MTBE and TBA concentrations increased in extraction wells MW-1, RW-9 and RW-11 in January 2011, possibly as a result of desorbtion of gasoline constituents in the areas of these wells during the November and December 2010 HVDPE remedial event. The decreases in the dissolved concentrations observed since January 2011 reflect the post-remedial residual petroleum concentrations attenuating in the subsurface soils and groundwater beneath the Site. Impacts above WQOs are limited to onsite monitoring wells and are continuing to attenuate.

VIII. Discussion and Recommendations

Dissolved concentrations of TPHg, Benzene, MTBE and TBA reported from well RW-9 exceed the listed SF Bay RWQCB Environmental Screening Levels (ESLs) in Table A (Shallow Soils and Groundwater is a Current or Potential Source of Drinking Water, May 2008). As shown in the Concentration vs. Time Graphs (Figures 6, 7 and 8), the dissolved concentrations of TPHg, BTEX, MTBE and TBA will continue to attenuate beneath the Site, and should achieve background levels in a reasonable amount of time as discussed below.

Analytical results of the January 2012 groundwater monitoring event indicate that the maximum dissolved concentrations of TPHg, Benzene, MTBE and TBA were collected from well RW-9. Therefore, in order to conservatively estimate the time at which the attenuating concentrations will meet WQOs beneath the Site, regression analyses were performed utilizing well RW-9 concentration data (Figures 9, 10, 11 and 12). The table below summarizes the results of the regression analyses:

Constituent	Figure No.	Data range	Degradation rate (1/year)	Half-life (year)	Pearson coefficient (R^2)	WQO (ppb)	Est. time to WQO (years from 1Q12)
TPHg	9	3Q08 to 1Q12	0.17	4.0	0.06	100	10 years
Benzene	10		0.53	1.3	0.21	1.0	5 years
MTBE	11		0.87	0.8	0.51	5.0	1½ years
TBA	12		0.37	1.9	0.26	12	8 years

The regression analyses utilizing well RW-9 concentration data indicate the attenuating concentrations should achieve WQOs beneath the Site in a reasonable amount of time (approximately ten years or less). Dissolved impacts are limited to onsite monitoring wells and groundwater concentrations are very low for most constituents. Continued remedial actions are no longer economically feasible, and continuation of monitoring and corrective actions beyond 2012 is not warranted. Since dissolved concentrations of TPHg, Benzene and MTBE reported from wells MW-1, RW-9 and RW-11 have continued to decrease, Horizon recommends that a Low Risk - No Further Action Required (NFAR) closure status should be granted for the Site. After NFAR closure status is granted for the Site, the remaining monitoring, extraction and sparge wells will be destroyed by pressure-grouting or overdrilling methods, as per Sonoma County Department of Health Services - Environmental Health Division (SCEHD) guidelines.

The SCEHD has stated that the groundwater beneath the Site is a potential source of drinking water (SCEHD, May 27, 2008), as defined in the SF Bay RWQCB's Basin Plan (SF Bay RWQCB, 2007). Water from the City of Petaluma's local municipal water supply wells is typically "hard" and has high concentrations of total dissolved solids (TDS). The nearby Casa de Arroyo backup water supply well has a 62-foot deep sanitary seal, is screened from 89 to 149 feet bsg and from 209 to 229 feet bsg, is currently inactive, and is used only for emergency purposes. No concentrations of TPHg, BTEX or the fuel oxygenates MTBE and TBA have been detected in water samples collected since 2001 from the Casa de Arroyo well located to the east and cross-gradient of the Site.

The existing station, Tesoro No. 68186, is scheduled for "**re-tanking**" in late 2012, which will involve the removal and replacement of the USTs. Over-excavation of impacted soils may occur in areas to the southwest of the existing four USTs. Horizon will notify the SCEHD as the schedule is updated by Tesoro for the proposed re-tanking project later in 2012. Horizon is investigating local soil and water disposal options for the proposed re-tanking project.

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

Sincerely,
HORIZON ENVIRONMENTAL INC.

Gary D. Barker
Senior Project Manager

for Brandon M. Schlegel
Project Geologist

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

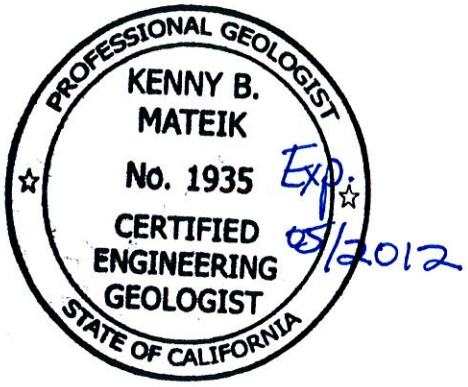


Table 1: Current Groundwater Monitoring Data

Figure 1: Site Vicinity Map
Figure 2: Site Plan/Groundwater Elevation Contour Map
Figure 3: Analytical Data Map
Figure 4: Benzene Isoconcentration Map
Figure 5: MTBE Isoconcentration Map
Figure 6: Time-Trend graphs for Well MW-1
Figure 7: Time-Trend graphs for Well RW-9
Figure 8: Time-Trend graphs for Well RW-11
Figure 9: RW-9 TPHg vs. Time Post-Remedial Regression Analysis Graph
Figure 10: RW-9 Benzene vs. Time Post-Remedial Regression Analysis Graph
Figure 11: RW-9 MTBE vs. Time Post-Remedial Regression Analysis Graph
Figure 12: RW-9 TBA vs. Time Post-Remedial Regression Analysis Graph

Attachments:
- Appendix A: Site Background
- Appendix B: Field Activities
  - Horizon Field Methods and Procedures
  - Horizon Monitoring Well Data Sheets
  - GeoTracker Electronic Data Deliverables
- Appendix C: Analytical Reports
- Appendix D: Historical Data
  - Table 1A: Historical Groundwater Monitoring Data
  - Table 2A: Ozone Sparging System Performance Data
  - Table 3A: Dissolved Oxygen and ORP Field Readings

c: Ms. Darcy Bering, Sonoma County Environmental Health SCEHD Site #00001231
Mr. John Jang, RWQCB – San Francisco Bay Region

Table 1 - Current Groundwater Monitoring Data
Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Well Number	Date	TPHd (ppb)	TPHg (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TBA (ppb)	TOC Elevation	Depth to GW	GW Elevation	Comments
MW-1	04/06/11	<50*	280	5.5	<0.50	5.6	0.69	9.1	15	19.95	7.51	12.44	Slight odor / No sheen
5' - 30'	07/07/11	<50*	150	2.6	<0.50	0.63	<0.50	4.5	13		8.63	11.32	Slight odor / No sheen
screen	10/19/11	<50*	67	0.87	<0.50	<0.50	<0.50	1.6	5.3		9.51	10.44	Slight odor / No sheen
interval	01/10/12	<50*	96	0.84	<0.50	<0.50	<0.50	1.1	<5.0		10.08	9.87	Slight odor / No sheen
MW-2	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns	19.87	7.73	12.14	not sampled
9' - 24'	07/07/11	ns	ns	ns	ns	ns	ns	ns	ns		8.83	11.04	not sampled
screen	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		9.63	10.24	not sampled
interval	01/09/12	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		10.27	9.60	No odor / No sheen
MW-3	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns	19.92	7.93	11.99	not sampled
10' - 25'	07/07/11	<50 *	<50	<0.50	<0.50	<0.50	<0.50	6.4	<5.0		9.10	10.82	No odor / No sheen
screen	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		9.90	10.02	not sampled
interval	01/10/12	<50 *	<50	<0.50	<0.50	<0.50	<0.50	1.7	<5.0		10.53	9.39	No odor / No sheen
MW-4	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns	19.22	6.12	13.10	not sampled
11' - 26'	07/07/11	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		7.38	11.84	No odor / No sheen
screen	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		8.33	10.89	not sampled
interval	01/09/12	<230*#	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		8.97	10.25	No odor / No sheen
MW-5	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns	18.47	5.21	13.26	not sampled
5' - 20'	07/07/11	ns	ns	ns	ns	ns	ns	ns	ns		6.34	12.13	not sampled
screen	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		7.37	11.10	not sampled
interval	01/09/12	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		8.53	9.94	No odor / No sheen
MW-6	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns	17.36	5.60	11.76	not sampled
4' - 16.5'	07/07/11	ns	ns	ns	ns	ns	ns	ns	ns		6.73	10.63	not sampled
screen	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		7.41	9.95	not sampled
interval	01/09/12	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		8.12	9.24	No odor / No sheen
		100	**100**	**1.0**	**40**	**30**	**20**	**5.0**	**12**	SF Bay RWQCB **Table A** ESLs (May 2008)			

Table 1 - Current Groundwater Monitoring Data
Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Well Number	Date	TPHd (ppb)	TPHg (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TBA (ppb)	TOC Elevation	Depth to GW	GW Elevation	Comments
MW-7	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns	16.69	7.21	9.48	not sampled
4' - 19'	07/07/11	ns	ns	ns	ns	ns	ns	ns	ns		8.63	8.06	not sampled
screen	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		9.33	7.36	not sampled
interval	01/09/12	<50 *	<50	<0.50	<0.50	<0.50	<0.50	0.54	<5.0		10.03	6.66	No odor / No sheen
MW-8	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns	20.39	8.08	12.31	not sampled
5' - 20'	07/07/11	<50 *	<50	<0.50	<0.50	<0.50	<0.50	0.93	<5.0		9.48	10.91	No odor / No sheen
screen	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		10.35	10.04	not sampled
interval	01/09/12	<50 *	<50	<0.50	<0.50	<0.50	<0.50	0.81	<5.0		10.99	9.40	No odor / No sheen
RW-9	04/06/11	<80*	680	24	0.63	4.8	0.90	59	180	20.32	7.97	12.35	Slight odor / No sheen
4' - 19'	07/07/11	<50 *	700	22	0.73	<0.50	<0.50	12	110		9.18	11.14	Slight odor / No sheen
screen	10/19/11	<80*	330	5.6	<0.50	<0.50	<0.50	9.2	84		10.02	10.30	Slight odor / No sheen
interval	01/10/12	<50 *	370	5.5	<0.50	<0.50	<0.50	7.1	820		10.67	9.65	Slight odor / No sheen
RW-10	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns	20.24	7.11	13.13	not sampled
4' - 19'	07/07/11	<50*	<50	<0.50	<0.50	<0.50	<0.50	1.3	<5.0		8.43	11.81	No odor / No sheen
screen	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		9.38	10.86	not sampled
interval	01/10/12	<50 *	<50	<0.50	<0.50	<0.50	<0.50	1.6	<5.0		10.06	10.18	Slight odor / No sheen
RW-11	04/06/11	<50*	55	3.5	<0.50	3.3	0.56	3.3	<5.0	19.79	7.65	12.14	No odor / No sheen
4' - 19'	07/07/11	69*#	<50	1.5	<0.50	1.2	<0.50	2.7	<5.0		8.71	11.08	Slight odor / No sheen
screen	10/19/11	290*#	<50	<0.50	<0.50	<0.50	<0.50	2.5	<5.0		9.57	10.22	Slight odor / No sheen
interval	01/10/12	100*#	<50	<0.50	<0.50	<0.50	<0.50	2.9	<5.0		10.22	9.57	Slight odor / No sheen
		100	**100**	**1.0**	**40**	**30**	**20**	**5.0**	**12**	SF Bay RWQCB **Table A** ESLs (May 2008)			

Table 1 - Current Groundwater Monitoring Data
Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Well Number	Date	TPHd (ppb)	TPHg (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TBA (ppb)	TOC Elevation	Depth to GW	GW Elevation	Comments
OS-1	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns	nm	nm	nc	not sampled
20' - 23'	07/07/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
screen	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
interval	01/09/12	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
OS-2	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns	nm	nm	nc	not sampled
19.5' - 22.5'	07/07/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
screen	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
interval	01/09/12	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
OS-3	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns	nm	nm	nc	not sampled
20.5' - 23.5'	07/07/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
screen	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
interval	01/09/12	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
OS-4	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns	nm	nm	nc	not sampled
20.5' - 23.5'	07/07/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
screen	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
interval	01/09/12	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
OS-5	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns	nm	nm	nc	not sampled
21.5' - 24.5'	07/07/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
screen	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
interval	01/09/12	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
OS-6B	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns	nm	21.83	nc	not sampled
79' - 84'	07/07/11	<50*	<50	<0.50	<0.50	<0.50	<0.50	0.60	<5.0		27.85	nc	No odor / No sheen
screen	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		28.58	nc	not sampled
interval	01/09/12	<50 *	<50	<0.50	<0.50	<0.50	<0.50	1.6	<5.0		28.75	nc	No odor / No sheen
Casa de Arroyo City Well	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	07/07/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	01/09/12	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		nm	nc	No odor / No sheen

Notes:

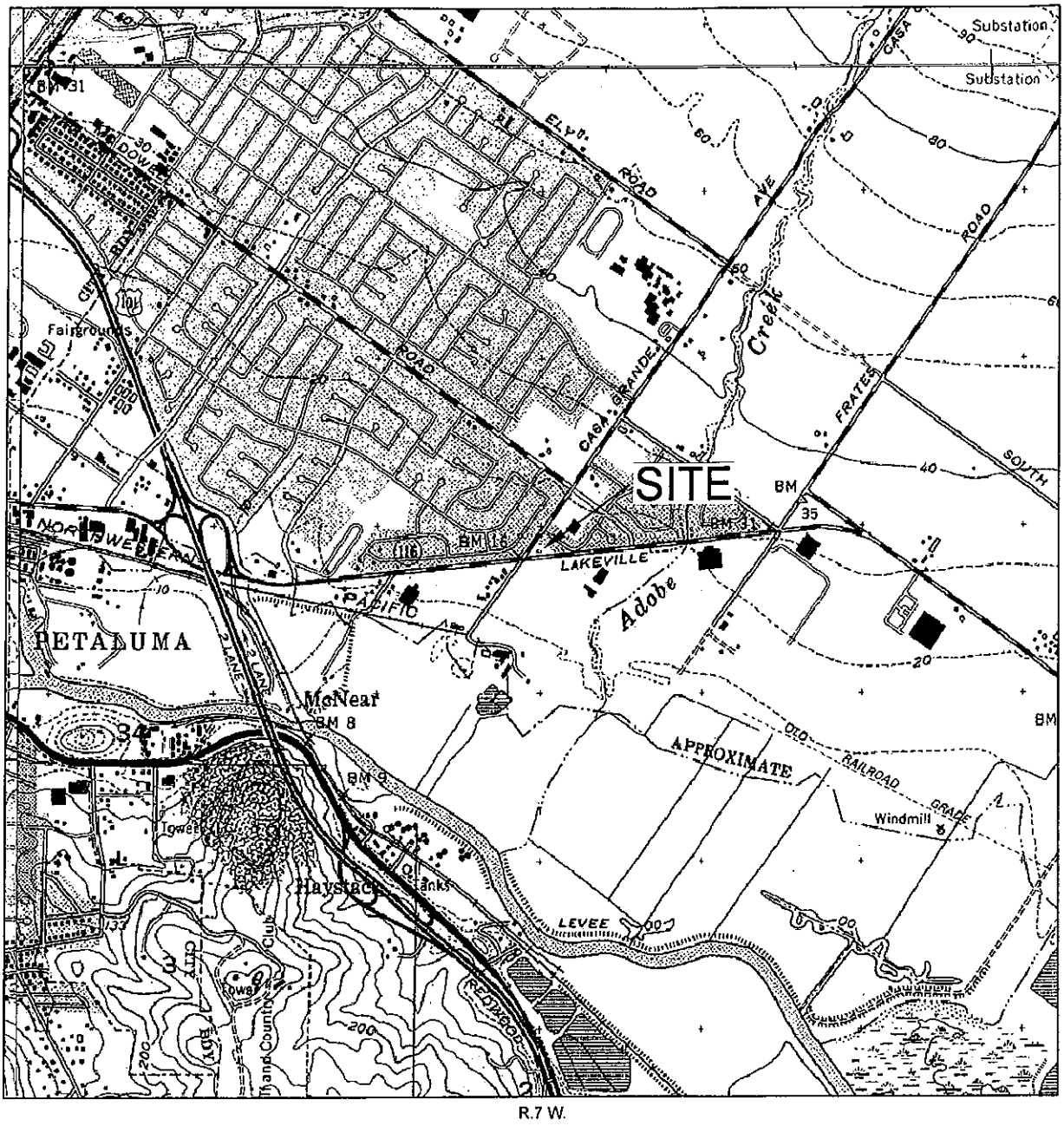
TPHd = total petroleum hydrocarbons as diesel
TPHg = total petroleum hydrocarbons as gasoline
B = benzene
T = toluene
E = ethylbenzene
X = xylenes
MTBE = methyl tertiary-butyl ether

# = not typical diesel chromatographic pattern
J = may be biased slightly high
* = silica gel value reported
= not typical gasoline chromatographic pattern
ppb = parts per billion
< = less than indicated detection level

GW = GroundWater
TOC = Top of Casing
Depths and Elevations recorded in feet
na = not analyzed
nm = not measured
ns = not sampled

Well casings resurveyed in April 2002 with Global Positioning System (GPS) coordinates.

SF Bay RWQCB ESLs: Table A Environmental Screening Levels for Groundwater when Groundwater is a Potential Source of Drinking Water with impacted soils less than or equal to 3 meters (approx. 10 feet) in depth



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

QUADRANGLE LOCATION

0 2000 FT

SCALE 1:24,000

NORTH

HORIZON ENVIRONMENTAL INC.

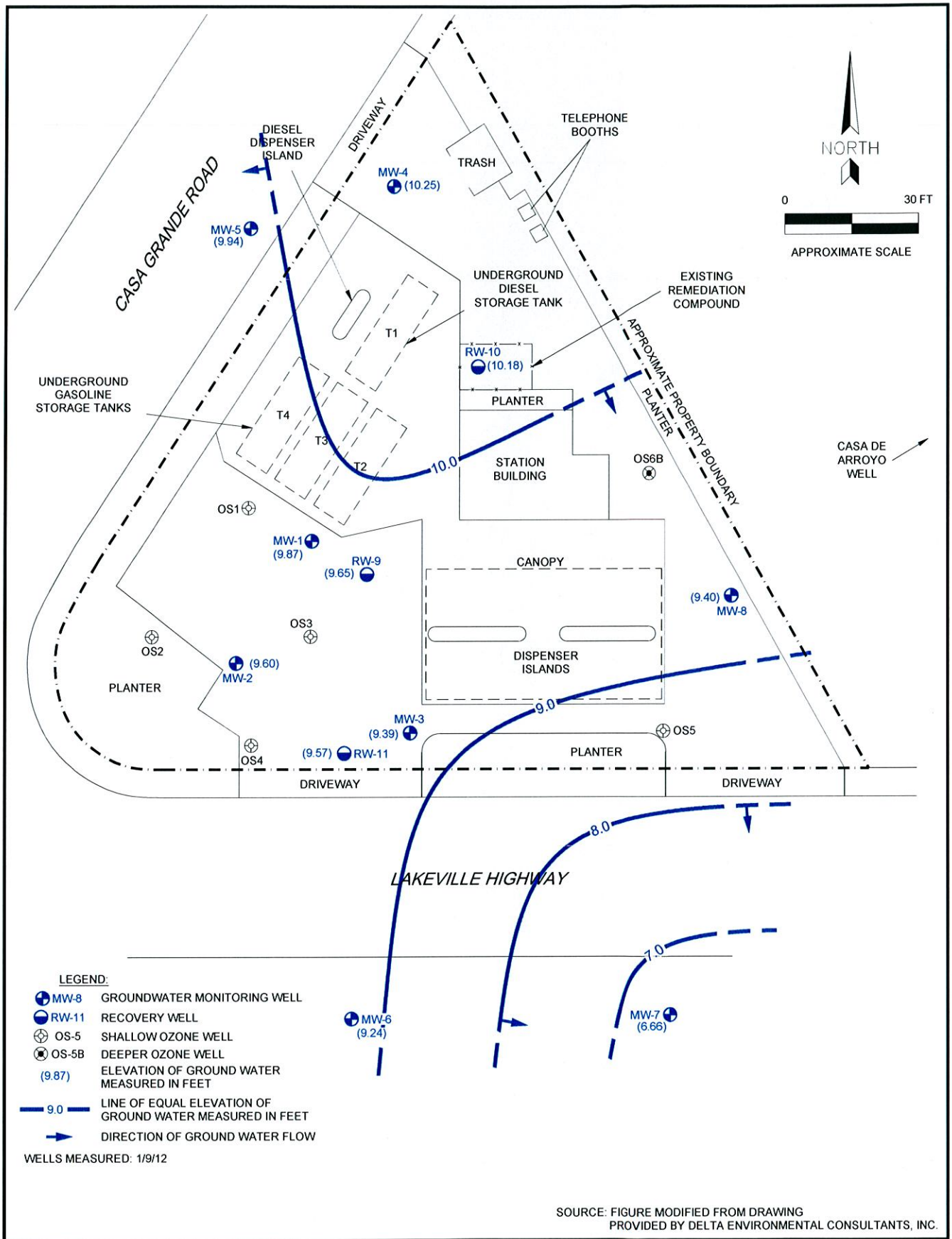
Project Number: 34093.12	Drawn By: M. LaCoste
Prepared By: K. Liptak	Date: 6/9/09
Reviewed By: K. Mateik	Revised Date:

SITE LOCATION MAP

TESORO SITE NO. 67093
2601 LAKEVILLE HIGHWAY
PETALUMA, CALIFORNIA

FIGURE

1



SOURCE: FIGURE MODIFIED FROM DRAWING PROVIDED BY DELTA ENVIRONMENTAL CONSULTANTS, INC.

HORIZON ENVIRONMENTAL INC.

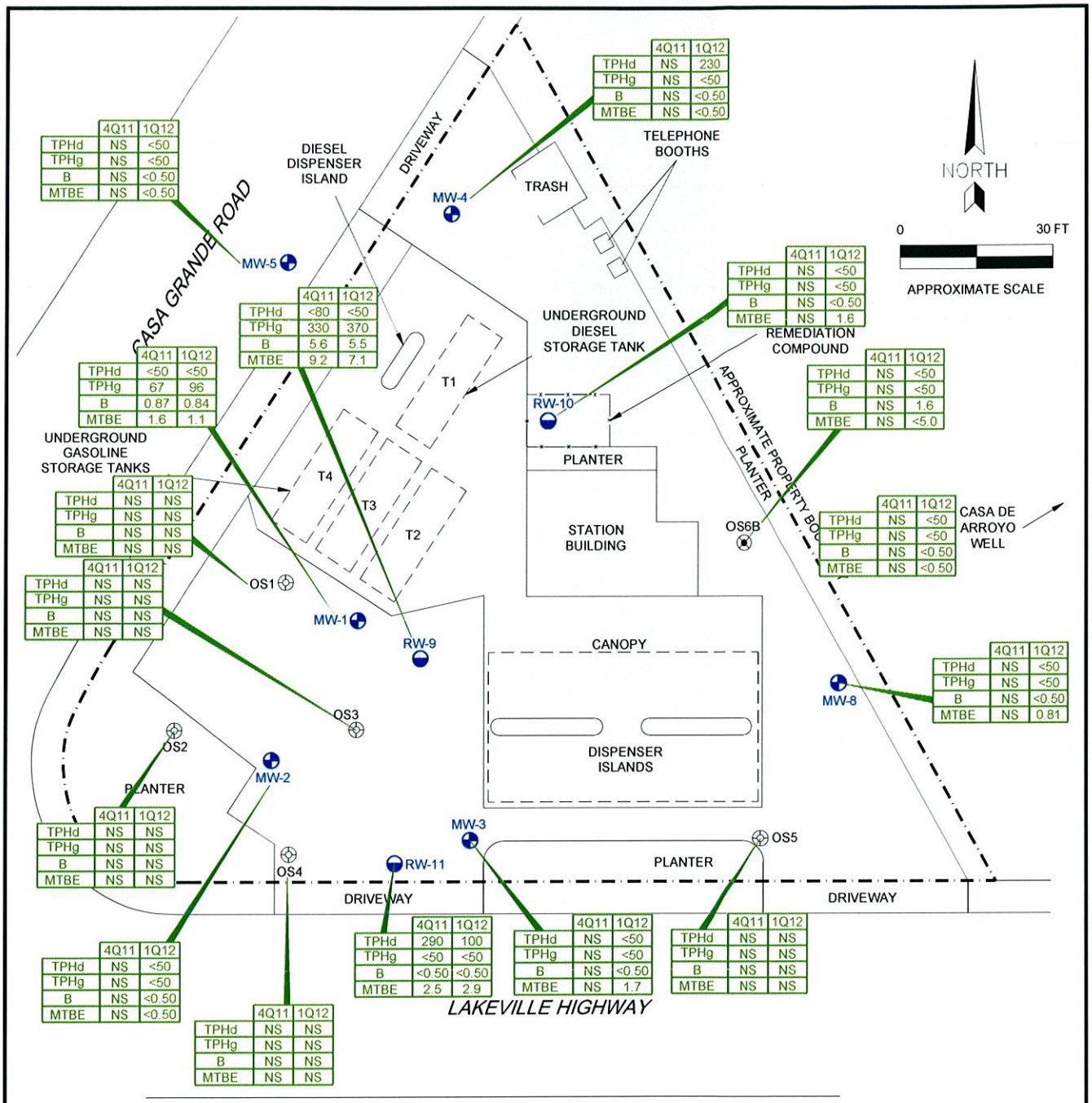
Project Number: 34093.11	Drawn By: M. LaCoste
Prepared By: K. Liptak	Date: 3/7/12
Reviewed By: K. Mateik	Revised Date:

SITE PLAN/GROUNDWATER ELEVATION CONTOUR MAP

TESORO SITE NO. 67093
2601 LAKEVILLE HIGHWAY
PETALUMA, CALIFORNIA

FIGURE

2

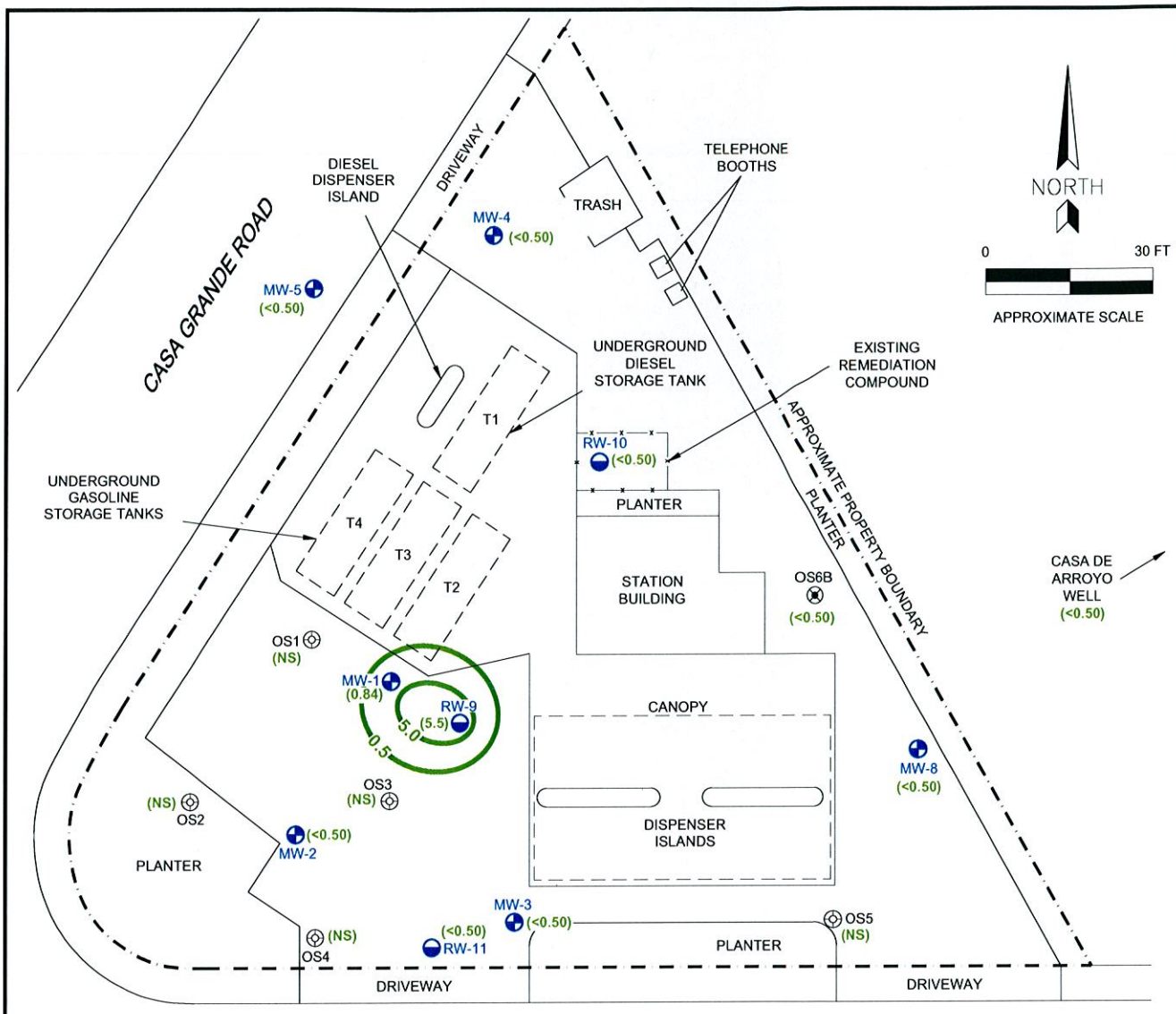


HORIZON ENVIRONMENTAL INC.

Project Number: 34093.11	Drawn By: M. LaCoste	ANALYTICAL SUMMARY
Prepared By: K. Liptak	Date: 3/7/12	TESORO SITE NO. 67093
Reviewed By: K. Mateik	Revised Date:	2601 LAKEVILLE HIGHWAY PETALUMA, CALIFORNIA

FIGURE

3



LEGEND:

- MW-8 GROUNDWATER MONITORING WELL
- RW-11 RECOVERY WELL
- OS-5 SHALLOW OZONE WELL
- OS-5B DEEPER OZONE WELL
- (5.5) BENZENE CONCENTRATIONS MEASURED IN PARTS PER BILLION (PPB)
- 5.0 LINE OF EQUAL CONCENTRATION OF BENZENE MEASURED IN PPB

MW-6 (<0.50)

MW-7 (<0.50)

WELLS SAMPLED: 1/9/12 & 1/10/12

SOURCE: FIGURE MODIFIED FROM DRAWING PROVIDED BY DELTA ENVIRONMENTAL CONSULTANTS, INC.

HORIZON ENVIRONMENTAL INC.

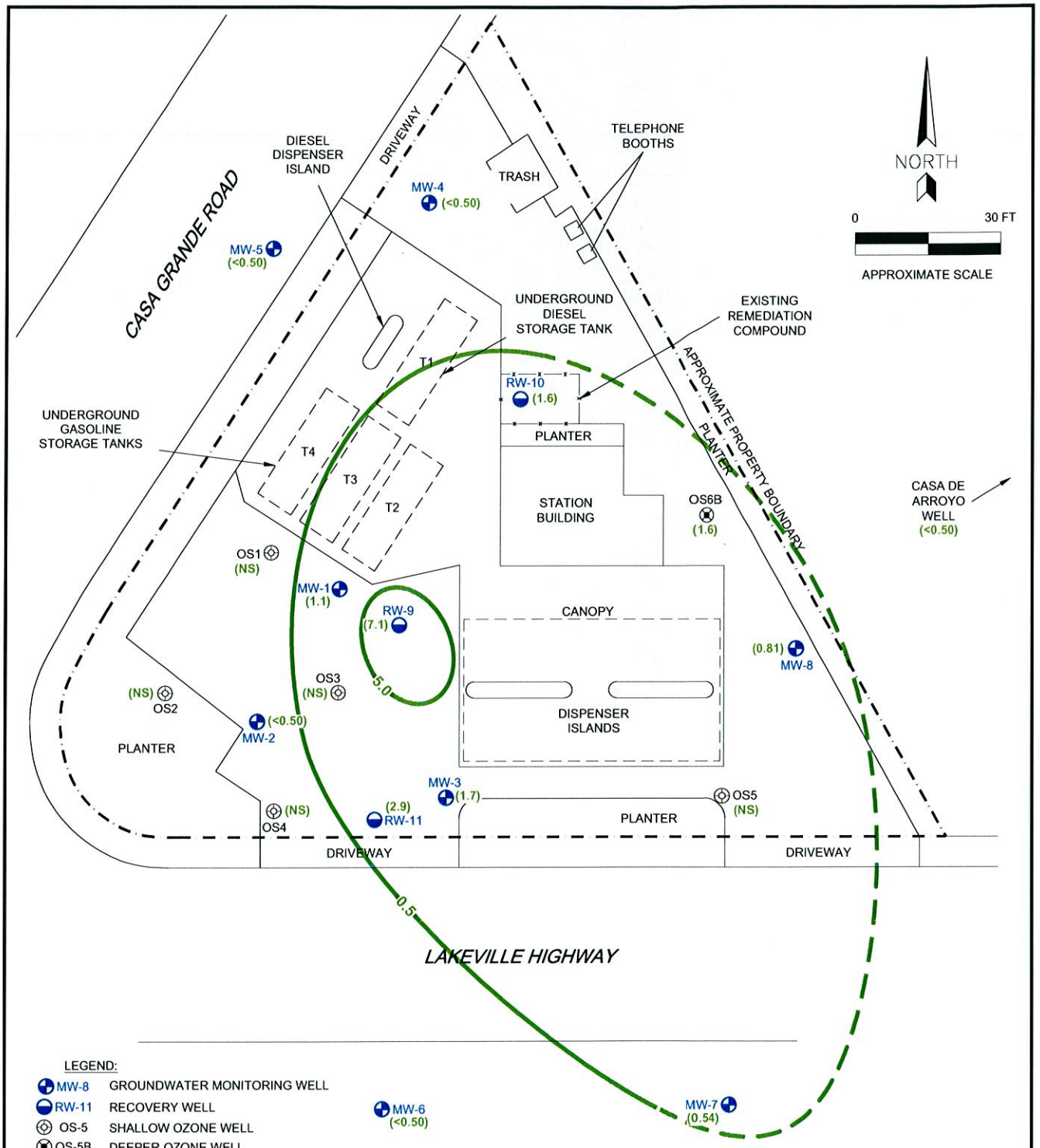
Project Number: 34093.11	Drawn By: M. LaCoste
Prepared By: K. Liptak	Date: 3/7/12
Reviewed By: K. Mateik	Revised Date:

BENZENE ISO-CONCENTRATION MAP

TESORO SITE NO. 67093
2601 LAKEVILLE HIGHWAY
PETALUMA, CALIFORNIA

FIGURE

4



SOURCE: FIGURE MODIFIED FROM DRAWING PROVIDED BY DELTA ENVIRONMENTAL CONSULTANTS, INC.

HORIZON ENVIRONMENTAL INC.

Project Number: **34093.11**	Drawn By: **M. LaCoste**
Prepared By: **K. Liptak**	Date: **3/7/12**
Reviewed By: **K. Mateik**	Revised Date:

MTBE ISO-CONCENTRATION MAP

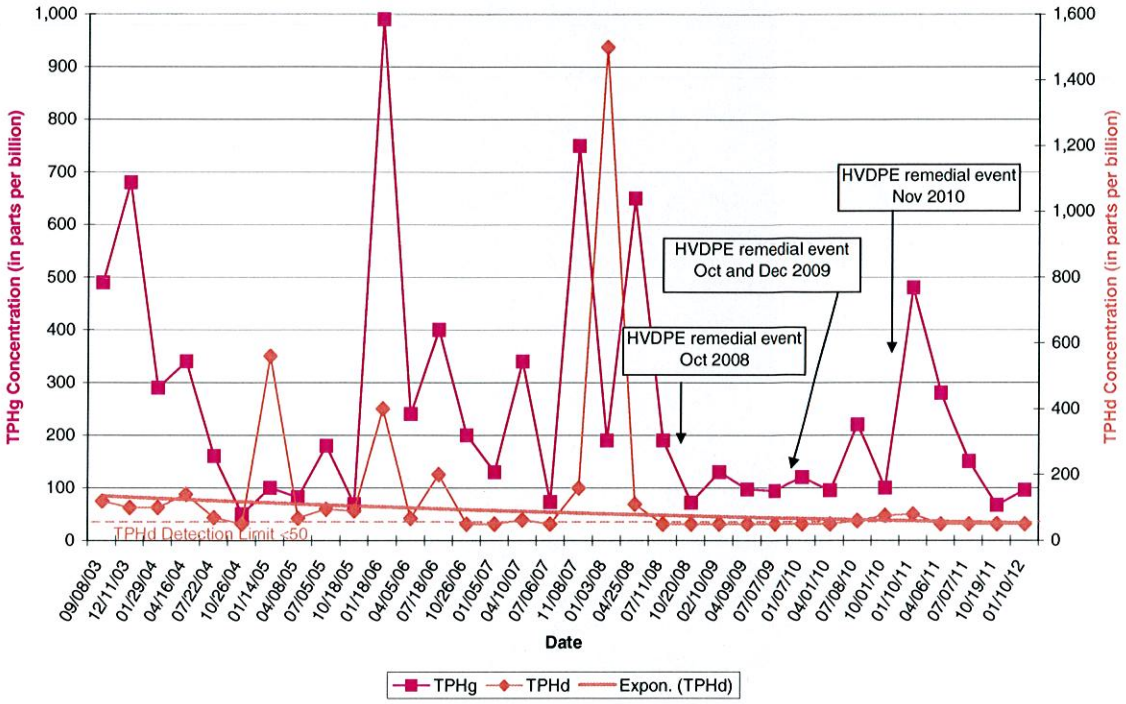
TESORO SITE NO. 67093
2601 LAKEVILLE HIGHWAY
PETALUMA, CALIFORNIA

FIGURE

5

FIGURE 6
Tesoro Site No. 67093
2601 Lakeville Highway, Petaluma, California

MW-1 Time vs. TPHg and TPHd



MW-1 Time vs. Benzene and MTBE

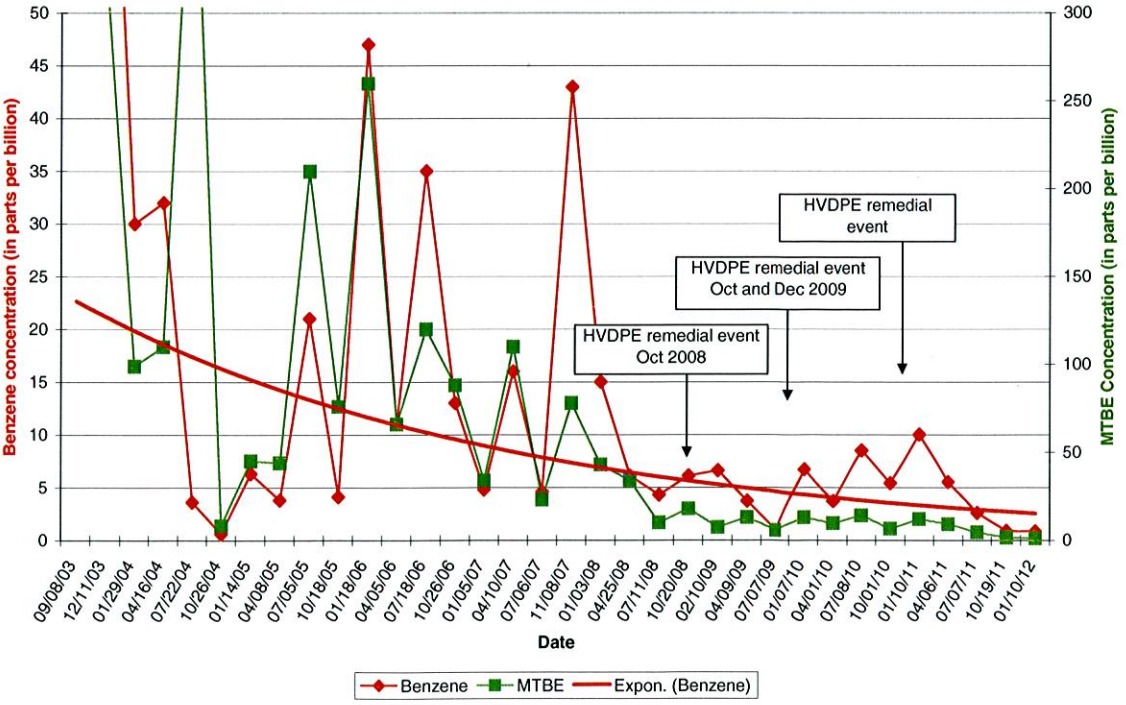
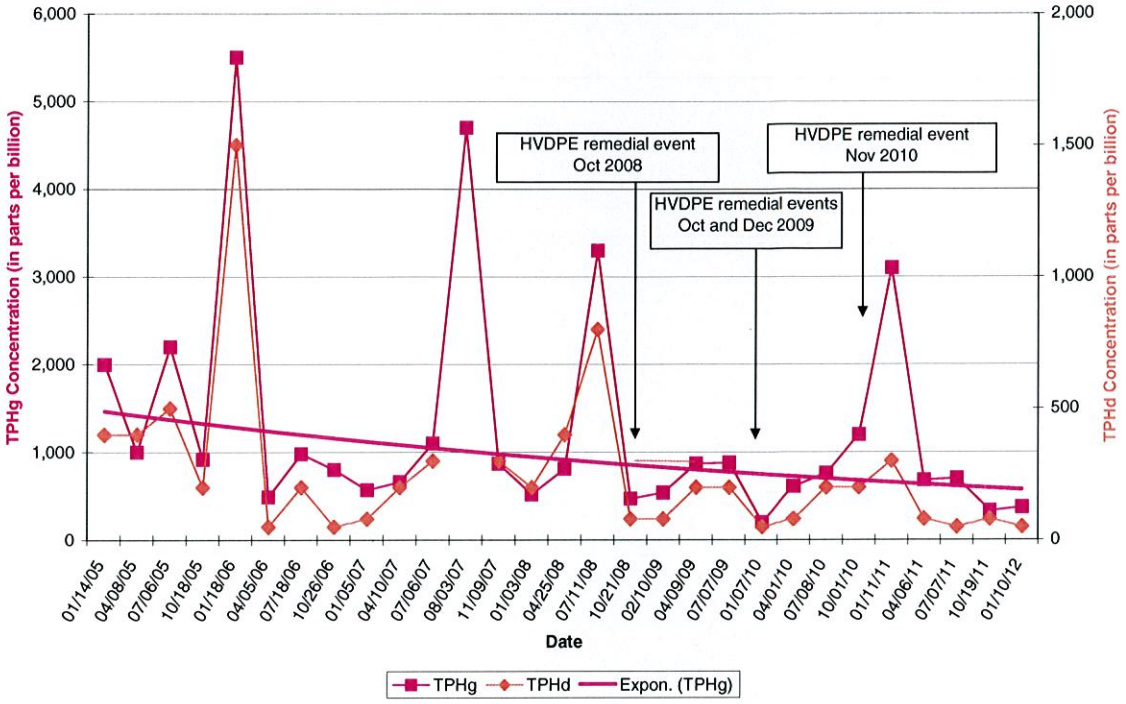


FIGURE 7
Tesoro Site No. 67093
2601 Lakeville Highway, Petaluma, California

RW-9 Time vs. TPHg and TPHd



RW-9 Time vs. Benzene and MTBE

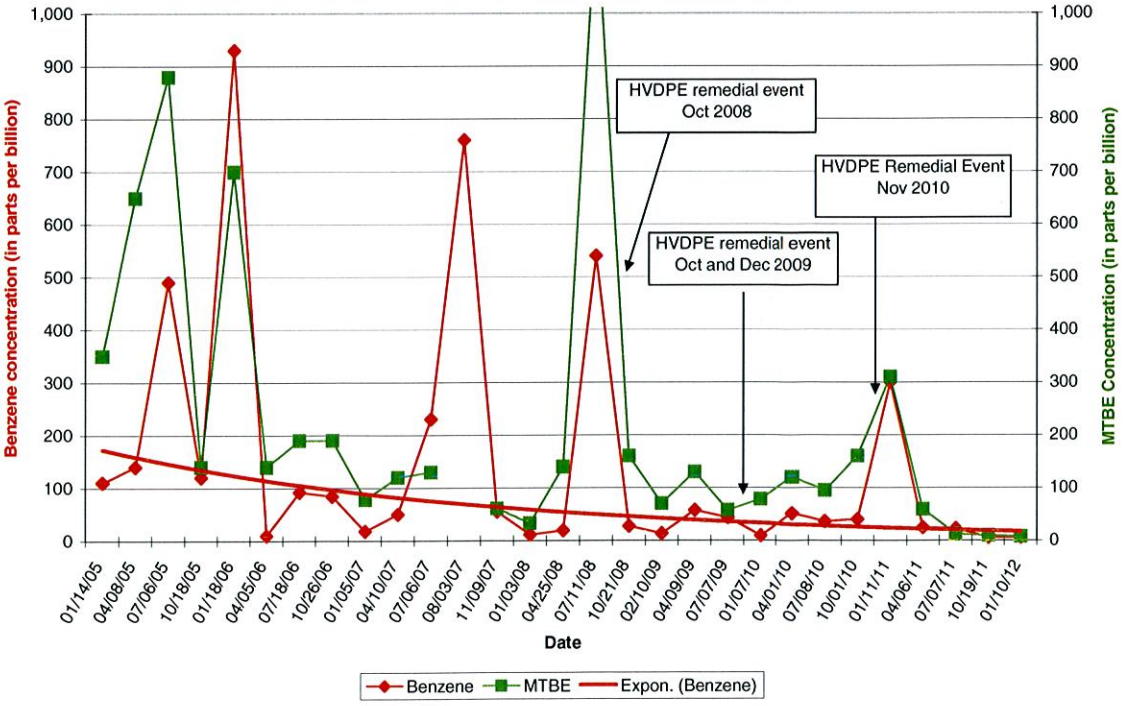
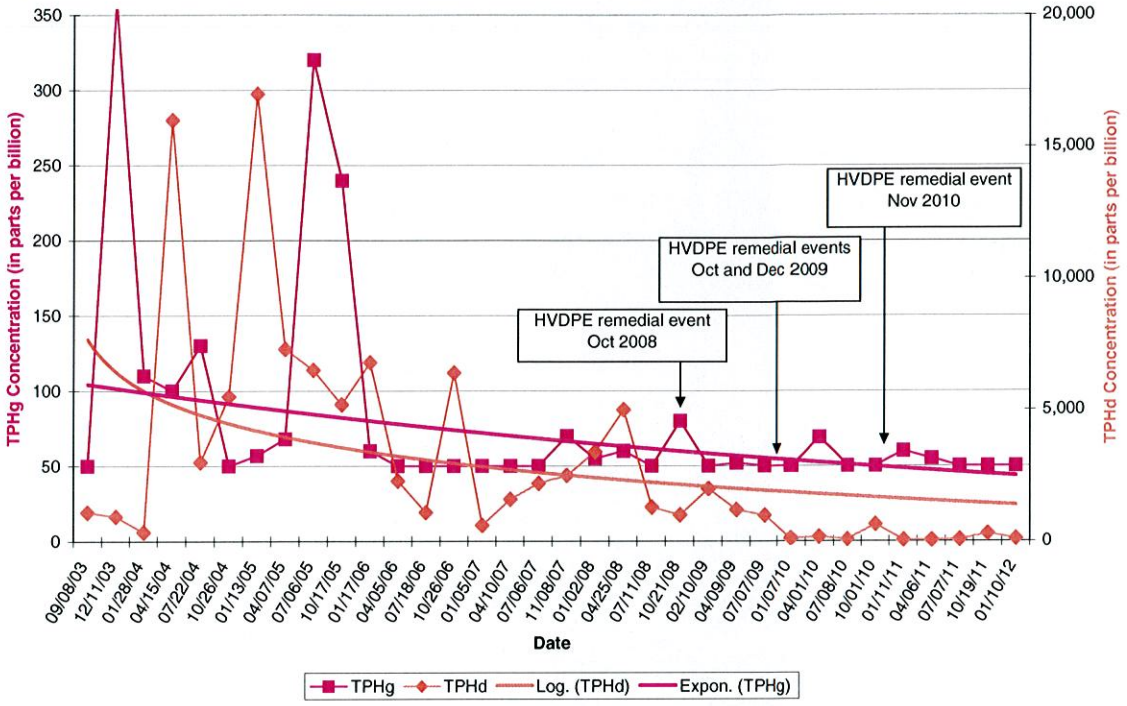


FIGURE 8
Tesoro Site No. 67093
2601 Lakeville Highway, Petaluma, California

RW-11 Time vs. TPHg and TPHd



RW-11 Time vs. Benzene and MTBE

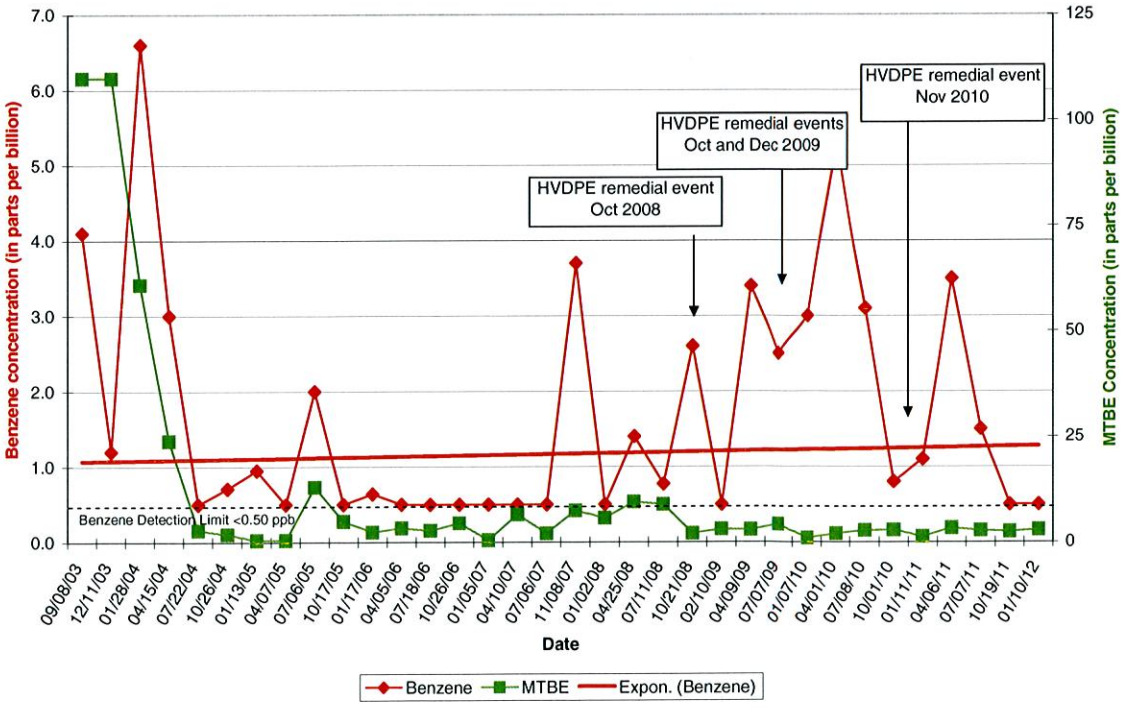
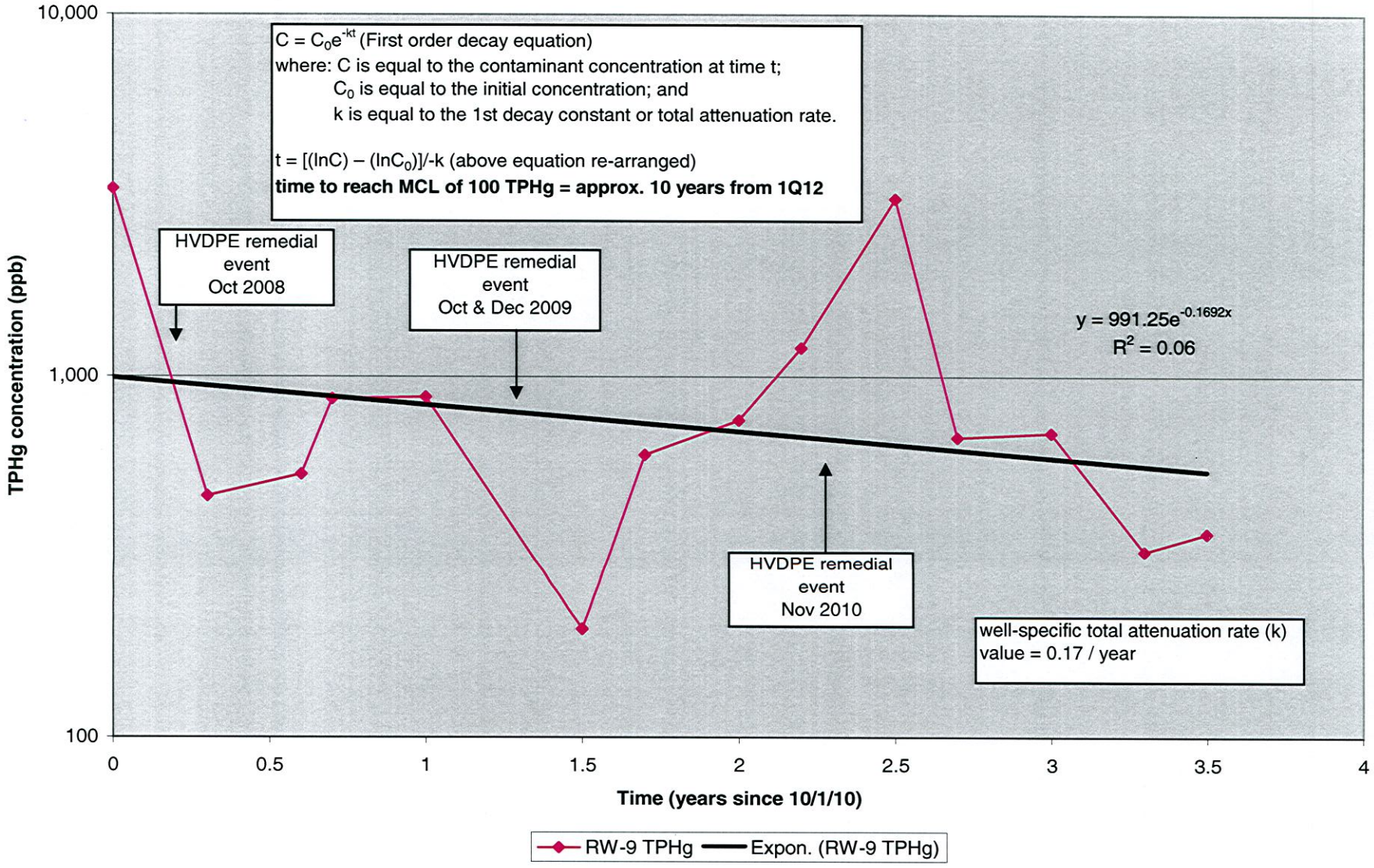


FIGURE 9

RW-9 TPHg vs. Time Post-remedial regression analysis

Tesoro Site No. 67093

2601 Lakeville Highway, Petaluma, California



Project No. 34093.11

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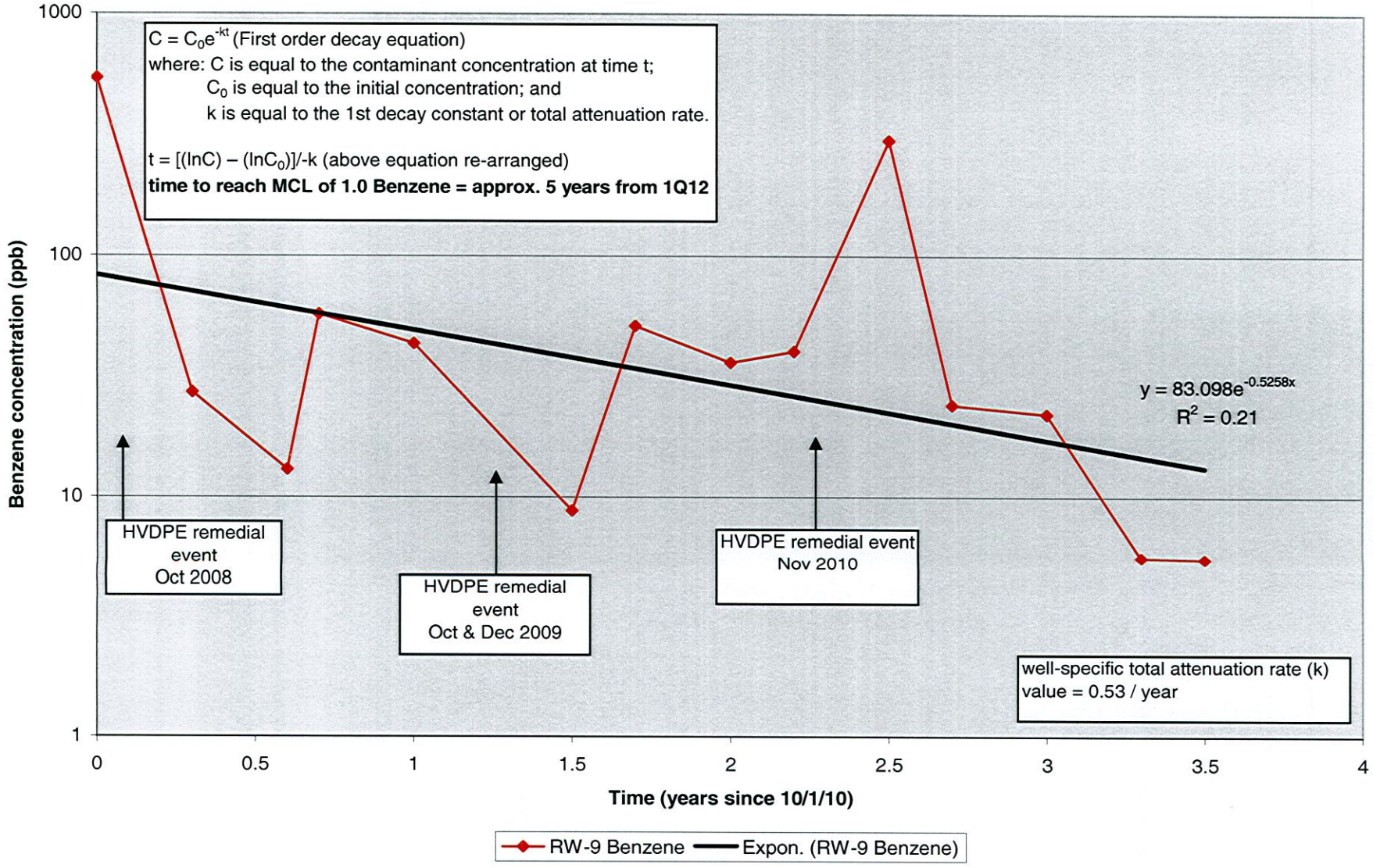
FIGURE 10

RW-9 Benzene vs. Time Post-remedial regression analysis

Tesoro Site No. 67093

2601 Lakeville Highway, Petaluma, California



Project No. 34093.11

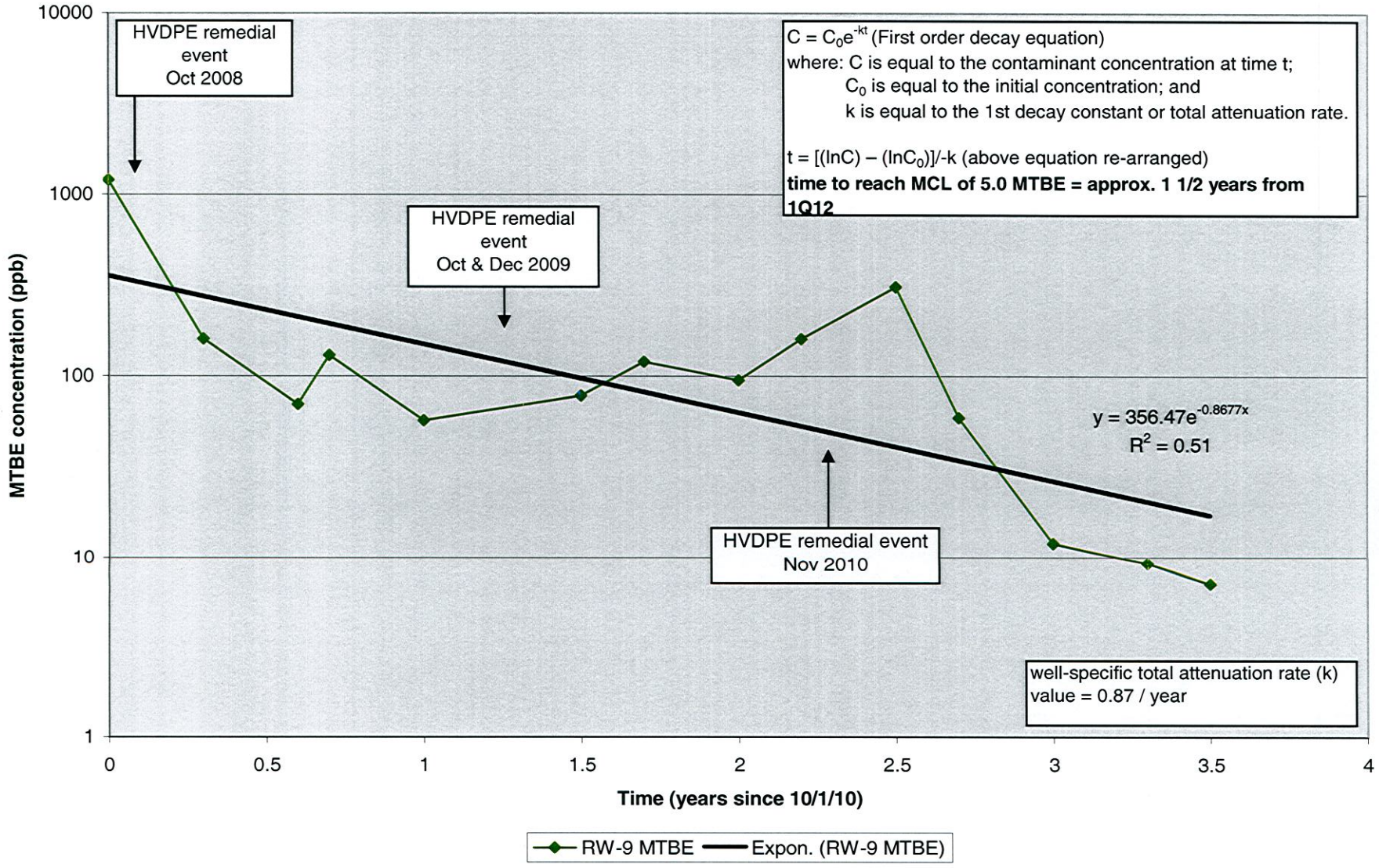
HORIZON ENVIRONMENTAL INC.

FIGURE 11

RW-9 MTBE vs. Time Post-remedial regression analysis

Tesoro Site No. 67093

2601 Lakeville Highway, Petaluma, California



Project No. 34093.11

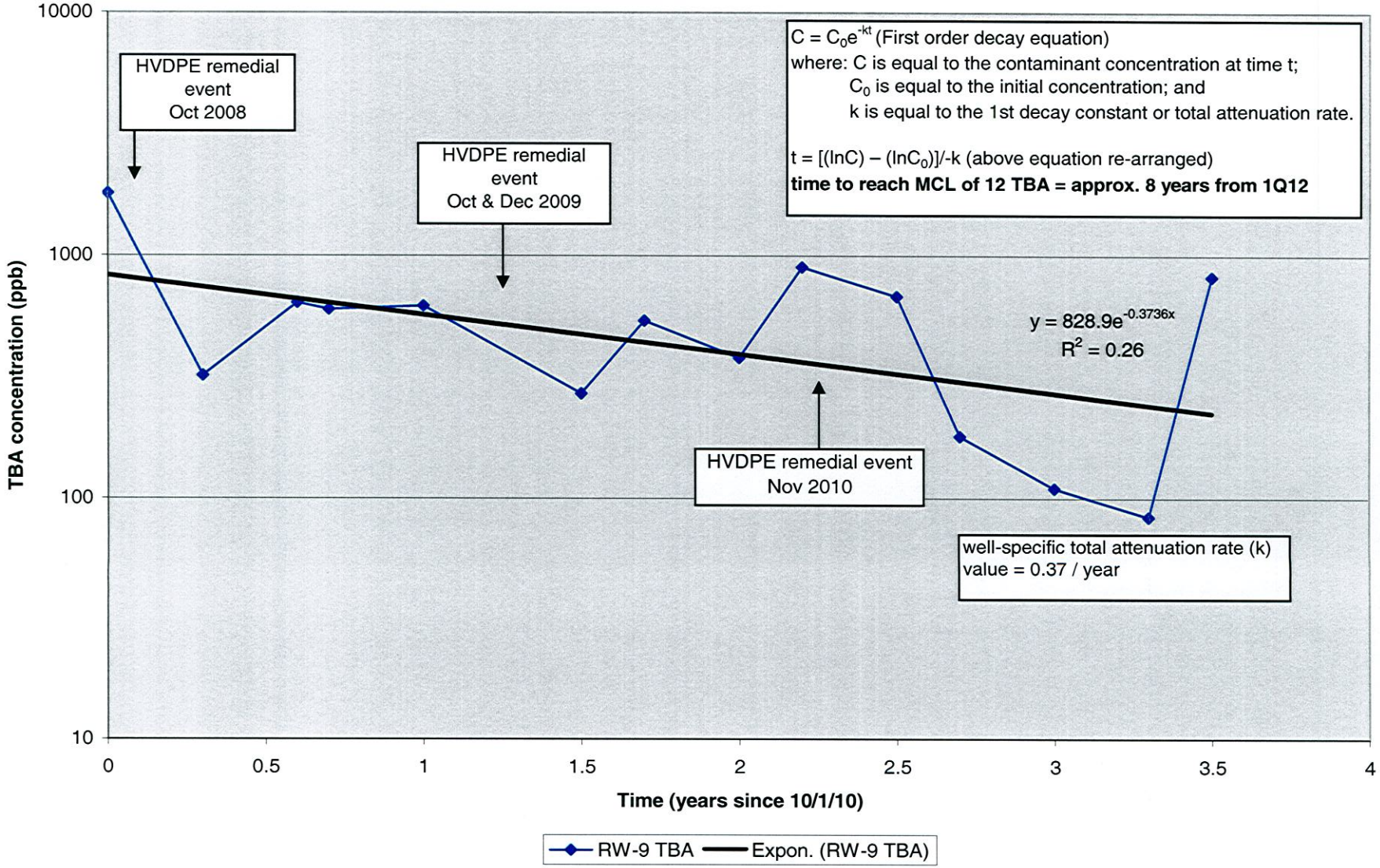
HORIZON ENVIRONMENTAL INC.

FIGURE 12

RW-9 TBA vs. Time Post-remedial regression analysis

Tesoro Site No. 67093

2601 Lakeville Highway, Petaluma, California



Project No. 34093.11

HORIZON ENVIRONMENTAL INC.

APPENDIX A

SITE BACKGROUND

Appendix A: Site Description and Background

Site Description

Tesoro Site No. 67093 is an operating service station located on the northeast corner of the intersection of Lakeville Highway (California State Highway 116) and Casa Grande Road in Petaluma, California, as depicted on the Site Vicinity Map (see Figure 1). Site facilities currently include a convenience store building, two gasoline dispenser islands situated in the central portion of the property, one diesel dispenser island situated in the northwestern portion of the property, and four underground storage tanks (USTs) located in the northwestern portion of the site property. There are currently eleven groundwater monitoring wells (MW-1 through MW-8, and RW-9, RW-10 and RW-11), and six ozone-sparge wells (OS-1 through OS-6B) associated with this Site (Figure 2). Fourteen of the 17 wells are located within the Site boundaries, while monitoring well MW-5 is located west of the Site on Casa Grande Road, and monitoring wells MW-6 and MW-7 are located offsite to the south across Lakeville Highway.

Site History

It is our understanding that a gasoline service station has been located at the property at 2601 Lakeville Highway since the 1970s. Prior to 1990, the station was a Jet Gas Station operated by the Conoco Oil Company (Conoco). Ultramar Inc. (Ultramar) purchased the service station site in July 1990 and operated Beacon Station No. 3710 at the site. In May 2002, Tesoro purchased the Site from Ultramar, then Tesoro sold the station to Green Valley Gasoline LLC (Green Valley) of Agoura Hills, California in December 2002.

Previous Site Work

Previous work has been performed at the Site by Horizon and other consultants since 1987. The investigations have indicated that soil and groundwater beneath the Site have been impacted by petroleum hydrocarbons. Previous Site impacts consisted of total petroleum hydrocarbons as gasoline (TPHg) in soil up to a concentration of 480 parts per million (ppm). In addition, dissolved TPHg, benzene and MTBE are present in groundwater, primarily centered around groundwater recovery well RW-9. Historical soil and groundwater data is included in Appendix A. A brief summary of this previous work is presented below.

Previous work performed at the Site on behalf of Conoco indicated TPHg and the gasoline constituents benzene, toluene, ethylbenzene, total xylenes (BTEX) were detected in the groundwater beneath the Site. Previous work performed at the Site on behalf of Conoco between 1987 and 1990 included soil sampling during the removal of four former USTs in May 1987, the drilling and installation of four onsite groundwater monitoring wells (MW-1 through MW-4) by Applied GeoSystems in 1987 and by McLaren Environmental Engineering (McLaren) in 1988; and beginning a quarterly groundwater monitoring program in August 1988.

Previous work performed at the Site on behalf of Ultramar indicated TPHg; the volatile aromatics BTEX; and the fuel oxygenate methyl t-butyl ether (MTBE) detected in the soil and groundwater beneath the Site. Previous work performed at the Site on behalf of Ultramar has included the drilling and installation of offsite groundwater monitoring well MW-5 by Herzog Associates in July 1991; and the drilling and the installation of offsite groundwater monitoring

Site Background (continued)

wells MW-6 and MW-7, onsite groundwater monitoring well MW-8, and onsite groundwater recovery wells RW-9, RW-10 and RW-11 by Acton-Mickelson and van Dam in November 1992; the completion of a Problem Assessment Report (PAR) by Delta Environmental Consultants, Inc. (Delta) in June 1993; conducting a groundwater pumping test, soil vapor extraction test (SVET), and air-sparging test (AST) by Delta in 1993 and 1994; and continuing the quarterly groundwater monitoring program at the Site. In October 1997, Horizon prepared a Closure Evaluation Report and Risk-Based Corrective Action Tier 1 and Tier 2 Analysis report (Horizon, October 21, 1997). In December 1999, soil sampling and excavation work related to product line removal and upgrades was performed by Horizon at the Site.

In 1999 and 2000, episodes of high vacuum dual-phase extraction (HVDPE) were performed by TRC Alton Geoscience (TRCAG) on well RW-9 at the Site. During these monthly 8-hour HVDPE episodes, approximately 128.5 pounds of vapor-equivalent TPHg was removed from impacted soil in the area of well RW-9, and approximately 2,400 gallons of impacted groundwater were removed during the 48 hours of HVDPE testing. Groundwater extraction rates ranged between 0.78 to 1.23 gallons per minute (gpm) in the fine-grained soils beneath the Site.

In July 2003, ozone-sparge wells OS-1 through OS-6B were installed at the Site on behalf of Tesoro. During drilling and installation of sparge well OS-3, impacted soil was encountered between the depths of 10 and 20 feet bsg in the western portion of the Site. An ozone sparge system (OSS) operated between December 2004 and May 2008. The OSS was installed to facilitate the rate of degradation of the petroleum hydrocarbons beneath the Site. The combination of ozone and its reactive intermediates in the groundwater treatment process degrade to produce several harmless organic compounds, allowing for the in-situ oxidation of organic compounds, including the more recalcitrant organics, such as MTBE. In addition, the amount of oxygen generated by ozone injection generally increases the dissolved oxygen content in groundwater, and thus generally stimulates or enhances the natural biodegradation processes.

In October 2008, Horizon conducted a HVDPE test utilizing wells RW-9, RW-11 and MW-1. Vapor analytical results indicated TPHg influent concentrations were 800 parts per million vapor (ppmv) early in the test, then decreased to 320 ppmv at 19 hours into the test, then increased back to 680 ppmv near the end of the test. Influent benzene concentrations ranged between 0.93 ppmv and 1.9 ppmv. Volume calculations indicate that approximately 59.6 pounds of TPHg and 0.10-pound of benzene were removed during the 57-hour HVDPE test. The HVDPE test resulted in an induced vapor radius of influence (ROI) in the aquifer materials of at least 30 feet in radius by the end of the 57-hour test. Approximately 5,100 gallons of groundwater were extracted during the 57 hours of HVDPE. The HVDPE test resulted in a groundwater cone of depression centered on extraction wells RW-9 and RW-11 with drawdown in the surrounding monitoring wells that resulted in a groundwater ROI of at least 80 feet in radius by the end of the 57-hour test.

Between October and December 2009, Horizon conducted two HVDPE remedial events utilizing extraction wells RW-9, RW-11 and MW-1. During the October HVDPE event, vapor analytical results indicated TPHg influent concentrations ranged up to 1,000 ppmv early in the remedial event, then gradually decreased to 540 ppmv. Influent benzene concentrations ranged between 1.4 ppmv and 2.4 ppmv. During the December HVDPE event, vapor analytical results indicated

Site Background (continued)

TPHg influent concentrations ranged up to 510 ppmv early in the remedial event, then gradually decreased to 230 ppmv. Influent benzene concentrations ranged between 0.24 ppmv and 0.60 ppmv. Volume calculations indicated that the cumulative TPHg vapor mass removed during the October and December 2009 HVDPE events totaled approximately 629 pounds or 101 gallons of vapor-equivalent TPHg mass. Approximately 53,611 gallons of groundwater were extracted during the October and December 2009 HVDPE events and discharged to the City sanitary sewer system. Each HVDPE remedial event resulted in a groundwater cone of depression extending for a lateral radius of approximately **90 feet**, and an induced vacuum radius of influence (ROI) in the dewatered aquifer materials of approximately **25 feet**. The effectiveness of HVDPE technology was demonstrated based on the ability to successfully dewater the saturated water-bearing zone and extract petroleum hydrocarbon mass in the vapor phase.

Horizon performed a 4-day HVDPE remedial event between November 29 and December 4, 2010 to remove additional petroleum hydrocarbon mass from beneath the Site. Vapor analytical results indicated TPHg influent concentrations ranged up to 97 ppmv early in the remedial event, then gradually decreased to 58 ppmv. Only a trace concentration of 0.056 ppmv of Benzene was reported in the vapor sample collected after an elapsed time of 85 hours. The TPHg mass removed (16.67 pounds or 2.67 gallons of TPHg) was approximately 3% of the total petroleum hydrocarbon mass removed during the combined 9-day and 10-day HVDPE events (629 pounds or 101 gallons of TPHg) in 2009. The decrease in the TPHg mass removed reflects the decreasing residual petroleum concentrations remaining in the subsurface soils beneath the Site. The 2010 HVDPE remedial event resulted in a groundwater cone of depression extending for a lateral radius of approximately **80 feet**.

Groundwater monitoring and sampling has been performed at the Site since 1989. Groundwater has been present at depths between approximately 3 to 13 feet bsg in the ten monitoring wells. Based on the historical groundwater monitoring data, the groundwater flow direction has usually been to the south-southeast at gradient magnitudes of 0.1 or less (Horizon, 1997 through 2007). Historical groundwater data from May 1989 to the Present is included in Appendix D. In June 2009, the monitoring and sampling was reduced from a quarterly to a semi-annual schedule (Sonoma County Department of Health Services, June 25, 2009).

Groundwater sampling of the City of Petaluma's inactive Casa de Arroyo backup water supply well has been performed since 2001. This City well is located approximately 150 feet to the east-northeast and cross-gradient of the Site, and is screened from 89 to 149 feet and from 209 to 229 feet below grade (California Department of Water Resources, 1977). No concentrations of TPHd, TPHg, BTEX or the fuel oxygenates MTBE, TBA, TAME, DIPE and ETBE have been detected in the water samples collected from this City well, except for anomalous or non-typical TPHd concentrations reported in February 2003 and April 2004. The City of Petaluma's inactive Casa de Arroyo backup water supply well sampling has been reduced to an annual schedule to be performed in the first quarter of each year (Sonoma County Department of Health Services, March 31, 2005). Water from the City of Petaluma's municipal wells is typically "hard" and has high TDS concentrations. The Casa de Arroyo backup water supply well is currently inactive and used only for emergency purposes.

APPENDIX B

FIELD ACTIVITIES

HORIZON FIELD METHODS AND PROCEDURES

HORIZON MONITORING WELL DATA SHEETS

PURGE WATER DISPOSAL DOCUMENTATION

GEOTRACKER ELECTRONIC DATA DELIVERABLES

WELLTEST INC. EXTRACTION REPORT

Appendix B: Field Activities

Groundwater monitoring activities were conducted by Horizon on October 19, 2011 and January 9 and 10, 2012 according to Horizon Field Methods and Procedures contained in this appendix. Horizon Monitoring Well Data Sheets are contained in this appendix.

The depth to groundwater was measured in monitoring wells MW-1 through MW-8, RW-9, RW-10, RW-11 and OS-6B. Field groundwater level data were recorded on the Horizon Groundwater Level Data and Sampling Information Sheets. Purged groundwater was disposed to Instrat, Inc. Purge water disposal receipts are contained in this appendix.

Groundwater samples were collected from extraction wells MW-1, RW-9 and RW-11 on October 19, 2011 and monitoring wells MW-1 through MW-8, RW-9, RW-10, RW-11, deep-screened ozone sparge well OS-6B and the Casa de Arroyo City backup well on January 9 and 10, 2012. The groundwater samples were submitted under chain-of-custody (COC) documentation to Kiff Analytical (Kiff), a California-certified analytical laboratory (NELAP No. 08263CA) located in Davis, California. The water samples were analyzed for: total petroleum hydrocarbons as diesel (TPHd) and TPHd with Silica Gel cleanup by modified Environmental Protection Agency (EPA) Method 8015; and for total petroleum hydrocarbons as gasoline (TPHg); the volatile aromatics benzene, toluene, ethylbenzene, total xylenes (BTEX); and the five fuel oxygenates methyl tert-butyl ether (MTBE), diisopropyl ether (DIPE), ethyl-t-butyl ether (ETBE), tert-amyl methyl ether (TAME), and tert-butanol (TBA) by EPA Method 8260B. The analytical report is contained in Appendix C.

GeoTracker Electronic Data Deliverables

The analytical electronic data deliverable (EDD) file (EDF) was prepared by Kiff and uploaded by Horizon. The groundwater level EDD (GEO_WELL) was prepared and uploaded by Horizon. The laboratory analytical EDD and groundwater well measurement EDD (GEO_WELL) upload confirmation sheets for this reporting period and the Semi-Annual Monitoring Report EDD (GEO_REPORT) upload confirmation sheet for the previous reporting period are contained in this appendix.

Reporting

Extraction wells MW-1, RW-9 and RW-11 are monitored and sampled on a **quarterly** schedule to evaluate the post-HVDPE groundwater quality and hydrocarbon concentration trends in the center of the dissolved plume. All other wells are monitored on an **annual** or **semi-annual** schedule to evaluate the groundwater quality and hydrocarbon concentration trends. Results of the quarterly sampling of extraction wells MW-1, RW-9 and RW-11 are presented in the **semi-annual** (Q1 and Q3) **reports** submitted for the Site.

APPENDIX D

HISTORICAL DATA

TABLE A
GROUND-WATER POTENTIOMETRIC ELEVATIONS

Beacon Station 703
2601 Lakeville Highway
Petaluma, California

WELL ID	DATE SAMPLED	TOP OF CASING ELEVATION (feet)	DEPTH TO GROUND WATER (feet)	GROUND-WATER ELEVATION (feet)	GROUND-WATER ELEVATION CHANGE (feet)
MW-1	01-May-89	16.10	12.63	3.47	
	08-Jun-89		9.76	6.34	2.87
	07-Jul-89		8.88	7.22	0.88
	24-Jul-89		9.88	6.22	-1.00
	31-Aug-89		9.12	6.98	0.76
	25-Sep-89		8.59	7.51	0.53
	30-Oct-89		8.02	8.08	0.57
	29-Jan-90		7.12	8.98	0.90
	13-Mar-90		7.09	9.01	0.03
	06-Jun-90		8.16	7.94	-1.07
	02-Oct-90		9.40	6.70	-1.24
	04-Dec-90		9.72	6.38	-0.32
	20-Feb-91		9.16	6.94	0.56
MW-2	01-May-89	16.10	12.76	3.34	
	08-Jun-89		9.89	6.21	2.87
	07-Jul-89		9.02	7.08	0.87
	24-Jul-89		10.00	6.10	-0.98
	31-Aug-89		9.28	6.82	0.72
	25-Sep-89		8.71	7.39	0.57
	30-Oct-89		8.17	7.93	0.54
	29-Jan-90		7.11	8.99	1.06
	13-Mar-90		7.15	8.95	-0.04
	06-Jun-90		8.21	7.89	-1.06
	02-Oct-90		9.45	6.65	-1.24
	04-Dec-90		9.85	6.25	-0.40
	20-Feb-91		9.19	6.91	0.66
MW-3	01-May-89	16.12	13.77	2.35	
	08-Jun-89		10.42	5.70	3.35
	07-Jul-89		9.50	6.62	0.92
	24-Jul-89		10.47	5.65	-0.97
	31-Aug-89		9.79	6.33	0.68
	25-Sep-89		9.19	6.93	0.60
	30-Oct-89		8.57	7.55	0.62
	29-Jan-90		7.59	8.53	0.98
	13-Mar-90		7.48	8.64	0.11
	06-Jun-90		8.67	7.45	-1.19
	02-Oct-90		9.97	6.15	-1.30
	04-Dec-90		10.25	5.87	-0.28
	20-Feb-91		9.64	6.48	0.61

TABLE A
GROUND-WATER POTENTIOMETRIC ELEVATIONS
(Continued)

Beacon Station 703
2601 Lakeville Highway
Petaluma, California

WELL ID	DATE SAMPLED	TOP OF CASING ELEVATION (feet)	DEPTH TO GROUND WATER (feet)	GROUND-WATER ELEVATION (feet)	GROUND-WATER ELEVATION CHANGE (feet)
MW-4	01-May-89	15.42	11.57	3.85	
	08-Jun-89		8.57	6.85	3.00
	07-Jul-89		7.75	7.67	0.82
	24-Jul-89		8.68	6.74	-0.93
	31-Aug-89		7.96	7.46	0.72
	25-Sep-89		7.41	8.01	0.55
	30-Oct-89		6.86	8.56	0.55
	29-Jan-90		6.05	9.37	0.81
	13-Mar-90		6.02	9.40	0.03
	06-Jun-90		6.93	8.49	-0.91
	02-Oct-90		8.20	7.22	-1.27
	04-Dec-90		8.56	6.86	-0.36
	20-Feb-91		7.86	7.56	0.70

NOTES: 1) All elevations surveyed to the City of Petaluma Water Main Point Number 12, Bench Mark elevation taken as 8.22 feet above Mean Sea Level (MSL).
2) Elevations and depths given in feet, MSL.
3) Elevations prior to March 1990 were measured by McLaren Environmental Engineering.
4) MW-1 was constructed by Alcoteil GeoSystems, and MW-2, MW-3 and MW-4 were constructed by McLaren Environmental Engineers.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #703
2601 LAKEVILLE HIGHWAY, PETALUMA, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
MW-1	10/12/92	16.10	10.09	6.01	8.95	
	01/28/93	18.22	6.91	11.31	28.90	
	04/17/93		8.17	10.05	29.00	
	07/27/93		9.65	8.57	29.00	
	10/27/93		9.95	8.27	29.00	
	02/14/94		7.77	10.45	29.11	
	05/03/94		9.00	9.22	29.14	
	07/27/94		10.10	8.12	29.15	
	11/03/94		10.87	7.35	28.94	
	02/03/95		6.21	12.01	28.91	
	05/03/95		8.02	10.20	30.35	
	07/27/95		9.55	8.67	30.51	
	11/16/95		10.52	7.70	30.50	
	02/16/96		7.58	10.64	30.50	
	05/16/96		7.94	10.28	30.41	
	08/22/96		9.37	8.85	30.41	
	11/19/96		8.86	9.36	30.40	
	03/03/97		8.15	10.07	30.39	
	05/29/97		9.61	8.61	30.40	
	07/30/97		9.95	8.27	30.40	
	11/14/97		9.93	8.29	30.41	
	02/17/98		6.26	11.96	30.41	
	05/18/98		8.59	9.63	30.40	
	08/20/98		9.78	8.44	30.39	
	12/18/98		8.94	9.28	30.38	
	03/04/99		7.59	10.63	30.39	
	06/14/99		9.73	8.49	30.38	
	09/30/99		10.77	7.45	30.36	
	12/29/99[4]					

NOTES
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing
2 = Elevation referenced to mean sea level.
Well Depth[1] = Measurement from top of casing to bottom of well.
4 = Well inaccessible

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #703
2601 LAKEVILLE HIGHWAY, PETALUMA, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
MW-2	10/12/92	16.10	10.15	5.95	21.98	
	01/28/93	18.13	6.98	11.15	22.47	
	04/17/93		8.18	9.95	22.13	
	07/27/93		9.33	8.80	22.16	
	10/27/93		10.04	8.09	22.16	
	02/14/94		7.76	10.37	22.10	
	05/03/94		9.15	8.98	22.12	
	07/27/94		10.13	8.00	22.12	
	11/03/94		10.91	7.22	21.90	
	02/03/95		6.49	11.64	21.92	
	05/03/95		8.06	10.07	21.91	
	07/27/95		9.52	8.61	23.77	
	11/16/95		10.54	7.59	23.79	
	02/16/96		7.59	10.54	23.76	
	05/16/96		8.01	10.12	23.64	
	08/22/96		9.35	8.78	23.69	
	11/19/96		8.90	9.23	23.68	
	03/03/97		8.18	9.95	23.69	
	05/29/97		9.75	8.38	23.67	
	07/30/97		10.17	7.96	23.67	
	11/14/97		10.00	8.13	23.67	
	02/17/98		6.42	11.71	23.67	
	05/18/98		8.64	9.49	23.68	
	08/20/98		9.86	8.27	23.67	
	12/18/98		8.95	9.18	23.66	
	03/04/99		7.85	10.28	23.65	
	06/14/99		9.78	8.35	23.65	
	09/30/99		10.98	7.15	23.65	
	12/29/99[4]					

NOTES. 1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level.
Well Depth[3] = Measurement from top of casing to bottom of well.
4 = Well inaccessible.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #703
2601 LAKEVILLE HIGHWAY, PETALUMA, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
MW-3	10/12/92	16.12	10.79	5.33	24.67	
	01/28/93	18.15	7.31	10.84	24.56	
	04/17/93		8.65	9.50	24.55	
	07/27/93		10.08	8.07	24.55	
	10/27/93		10.58	7.57	24.55	
	02/14/94		8.21	9.94	24.67	
	05/03/94		9.07	9.08	24.69	
	07/27/94		10.68	7.47	24.68	
	11/03/94		11.45	6.70	24.46	
	02/03/95		6.83	11.32	24.41	
	05/03/95		8.53	9.62	24.45	
	07/27/95		10.06	8.09	24.86	
	11/16/95		10.98	7.17	24.85	
	02/16/96		7.98	10.17	24.86	
	05/16/96		8.60	9.55	24.74	
	08/22/96		9.91	8.24	24.73	
	11/19/96		9.48	8.67	24.75	
	03/03/97		8.64	9.51	24.73	
	05/29/97		10.13	8.02	24.75	
	07/30/97		10.47	7.68	24.76	
	11/14/97		10.60	7.55	24.76	
	02/17/98		6.63	11.52	24.76	
	05/18/98		9.15	9.00	24.75	
	08/20/98		10.41	7.74	24.75	
	12/18/98		9.64	8.51	24.75	
	03/04/99		8.17	9.98	24.75	
	06/14/99		10.27	7.88	24.75	
	09/30/99		11.40	6.75	24.74	
	12/29/99[4]					

NOTES:
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level.
Well Depth[3] = Measurement from top of casing to bottom of well.
4 = Well inaccessible.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #703
2601 LAKEVILLE HIGHWAY, PETALUMA, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
MW-4	01/28/93	18.46	5.71	12.75	24.95	
	04/17/93		6.93	11.53	24.80	
	07/27/93		8.37	10.09	24.51	
	10/27/93		8.79	9.67	24.51	
	02/14/94		6.49	11.97	24.95	
	05/03/94		7.88	10.58	25.69	
	07/27/94		9.86	8.60	25.71	
	11/03/94		9.69	8.77	25.50	
	02/03/95		5.24	13.22	25.50	
	05/03/95		6.76	11.70	25.45	
	07/27/95		8.26	10.20	26.06	
	11/16/95		9.26	9.20	26.01	
	02/16/96		6.33	12.13	26.05	
	05/16/96		6.73	11.73	25.96	
	08/22/96		8.11	10.35	25.95	
	11/19/96		7.54	10.92	25.95	
	03/03/97		7.01	11.45	25.92	
	05/29/97		8.28	10.18	25.91	
	07/30/97		7.65	10.81	25.93	
	11/14/97		8.71	9.75	25.92	
	02/17/98		4.81	13.65	25.92	
	05/18/98		7.31	11.15	25.92	
	08/20/98		8.50	9.96	25.92	
	12/18/98		7.70	10.76	25.90	
	03/04/99		6.40	12.06	25.90	
	06/14/99		8.49	9.97	25.90	
	09/30/99		9.46	9.00	25.90	
	12/29/99		8.75	9.71	11.84	

NOTES:
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level.
Well Depth[3] = Measurement from top of casing to bottom of well.
4 = Well inaccessible.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #703
2601 LAKEVILLE HIGHWAY, PETALUMA, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
MW-5	01/28/93	16.72	4.80	11.92	19.51	
	04/17/93		5.97	10.75	19.49	
	07/27/93		7.33	9.39	19.50	
	10/27/93		7.77	8.95	19.50	
	02/14/94		5.51	11.21	19.48	
	05/03/94		6.89	9.83	19.83	
	07/27/94		7.84	8.88	19.84	
	11/03/94		8.67	8.05	19.63	
	02/03/95		4.33	12.39	19.64	
	05/03/95		5.82	10.90	19.64	
	07/27/95		7.19	9.53	19.82	
	11/16/95		8.23	8.49	19.84	
	02/16/96		5.34	11.38	19.90	
	05/16/96		5.79	10.93	19.74	
	08/22/96		7.09	9.63	19.71	
	11/19/96		6.57	10.15	19.72	
	03/03/97		6.08	10.64	19.73	
	05/29/97		7.29	9.43	19.72	
	07/30/97		7.68	9.04	19.71	
	11/14/97		7.73	8.99	19.70	
	02/17/98		3.91	12.81	19.70	
	05/18/98		6.36	10.36	19.71	
	08/20/98		7.80	8.92	19.71	
	12/18/98		6.69	10.03	19.70	
	03/04/99		5.33	11.39	19.68	
	06/14/99[4]					
	09/30/99		8.40	8.32	19.67	
	12/29/99		7.80	8.92	19.65	

NOTES:
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level.
Well Depth[3] = Measurement from top of casing to bottom of well.
4 = Well inaccessible.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #703
2601 LAKEVILLE HIGHWAY, PETALUMA, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
MW-6	01/28/93	15.50	5.15	10.35	14.91	
	04/17/93		6.55	8.95	14.93	
	07/27/93		8.32	7.18	14.91	
	10/27/93		8.61	6.89	14.91	
	02/14/94		6.13	9.37	14.97	
	05/03/94		7.63	7.87	14.99	
	07/27/94		9.72	5.78	14.97	
	11/03/94		9.41	6.09	14.76	
	02/03/95		4.54	10.96	14.71	
	05/03/95		6.51	8.99	14.74	
	07/27/95		8.08	7.42	14.98	
	11/16/95		8.99	6.51	14.92	
	02/16/96		5.84	9.66	14.92	
	05/16/96		6.64	8.86	14.84	
	08/22/96		8.02	7.48	14.83	
	11/19/96		7.47	8.03	14.82	
	03/03/97		6.52	8.98	14.82	
	05/29/97[4]					
	07/30/97[4]					
	11/14/97	15.43	8.41	7.02	14.80	
	02/17/98		4.41	11.02	14.80	
	05/18/98		7.06	8.37	14.81	
	08/20/98		8.34	7.09	14.80	
	12/18/98		7.48	7.95	14.81	
	03/04/99		6.01	9.42	14.82	
	06/14/99		8.20	7.23	14.81	
	09/30/99		9.32	6.11	14.80	
	12/29/99		8.75	6.68	14.80	

NOTES:
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level
Well Depth[3] = Measurement from top of casing to bottom of well
4 = Well Inaccessible

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #703
2601 LAKEVILLE HIGHWAY, PETALUMA, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
MW-7	01/28/93	15.24	5.13	10.11	19.19	
	04/17/93		6.69	8.55	19.28	
	07/27/93		8.39	6.85	19.24	
	10/27/93		8.77	6.47	19.24	
	02/14/94		6.29	8.95	19.21	
	05/03/94		7.86	7.38	19.20	
	07/27/94		9.02	6.22	19.21	
	11/03/94		9.76	5.48	19.00	
	02/03/95		4.54	10.70	29.01	Anomalous TD
	05/03/95		6.69	8.55	28.98	
	07/27/95		8.36	6.88	19.09	
	11/16/95		9.31	5.93	19.10	
	02/16/96		6.13	9.11	19.08	
	05/16/96		6.93	8.31	19.14	
	08/22/96		8.29	6.95	19.14	
	11/19/96		7.61	7.63	19.14	
	03/03/97		6.69	8.55	19.15	
	05/29/97[4]					
	07/30/97		10.46	4.78	21.07	
	11/14/97	17.19	10.69	6.50	21.08	
	02/17/98		6.17	11.02	21.08	
	05/18/98		8.51	8.68	21.09	
	08/20/98		10.81	6.38	21.08	
	12/18/98		9.79	7.40	21.09	
	03/04/99		8.05	9.14	21.08	
	06/14/99		10.35	6.84	21.07	
	09/30/99		11.66	5.53	21.07	
	12/29/99		10.95	6.24	21.08	

NOTES:
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level.
Well Depth[3] = Measurement from top of casing to bottom of well.
4 = Well inaccessible.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #703
2601 LAKEVILLE HIGHWAY, PETALUMA, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
MW-8	01/28/93	18.61	8.42	10.19	19.21	
	04/17/93		9.22	9.39	19.25	
	07/27/93		10.88	7.73	19.26	
	10/27/93		11.28	7.33	19.26	
	02/14/94		8.86	9.75	19.30	
	05/03/94		10.36	8.25	19.35	
	07/27/94		11.46	7.15	19.31	
	11/03/94		12.27	6.34	19.10	
	02/03/95		7.52	11.09	19.11	
	05/03/95		9.21	9.40	19.12	
	07/27/95		10.83	7.78	19.30	
	11/16/95		11.79	6.82	19.33	
	02/16/96		8.65	9.96	19.33	
	05/16/96		9.46	9.15	19.21	
	08/22/96		10.37	8.24	19.21	
	11/19/96		10.02	8.59	19.20	
	03/03/97		9.31	9.30	19.20	
	05/29/97		10.74	7.87	19.21	
	07/30/97		11.22	7.39	19.24	
	11/14/97		11.26	7.35	19.25	
	02/17/98		6.74	11.87	19.25	
	05/18/98		9.72	8.89	19.24	
	08/20/98		11.40	7.21	19.22	
	12/18/98		10.29	8.32	19.20	
	03/04/99		8.74	9.87	19.20	
	06/14/99		10.91	7.70	19.21	
	09/30/99		12.15	6.46	19.22	
	12/29/99[4]					

NOTES.
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level.
Well Depth[3] = Measurement from top of casing to bottom of well.
4 = Well inaccessible.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #703
2601 LAKEVILLE HIGHWAY, PETALUMA, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
RW-9	04/12/93	18.57	8.34	10.23	---	
	08/03/93		10.20	8.37	18.78	
	10/27/93		10.58	7.99	18.78	
	02/14/94		8.36	10.21	18.77	
	05/03/94		9.72	8.85	18.77	
	07/27/94		10.75	7.82	18.78	
	11/03/94		11.47	7.10	18.56	
	02/03/95		6.98	11.59	18.51	
	05/03/95		8.64	9.93	18.61	
	07/27/95		10.04	8.53	18.78	
	11/16/95		11.02	7.55	18.76	
	02/16/96		8.13	10.44	18.78	
	05/16/96		8.59	9.98	18.66	
	08/22/96		9.96	8.61	18.64	
	11/19/96		9.50	9.07	18.65	
	03/03/97		8.71	9.86	18.65	
	05/29/97		10.21	8.36	18.67	
	07/30/97		10.59	7.98	18.64	
	11/14/97		10.54	8.03	18.63	
	02/17/98		6.76	11.81	18.63	
	05/18/98		9.16	9.41	18.64	
	08/20/98		10.40	8.17	18.65	
	12/18/98		9.52	9.05	18.64	
	03/04/99		8.20	10.37	18.63	
	06/14/99		10.31	8.26	18.62	
	09/30/99		11.38	7.19	18.62	
	12/29/99		9.61	8.96	13.24	

NOTES.
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level.
Well Depth[3] = Measurement from top of casing to bottom of well.
4 = Well inaccessible

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #703
2601 LAKEVILLE HIGHWAY, PETALUMA, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
RW-10	04/12/93	18.51	7.83	10.68	--	
	08/03/93		9.75	8.76	18.48	
	10/27/93		10.00	8.51	18.48	
	02/14/94		7.79	10.72	18.55	
	05/03/94		9.14	9.37	18.57	
	07/27/94		10.16	8.35	18.58	
	11/03/94		10.95	7.56	18.35	
	02/03/95		6.41	12.10	18.30	
	05/03/95		4.98	13.53	18.36	
	07/27/95		9.52	8.99	18.54	
	11/16/95		10.55	7.96	18.54	
	02/16/96		7.62	10.89	18.54	
	05/16/96		8.03	10.48	18.42	
	08/22/96		9.42	9.09	18.43	
	11/19/96		8.89	9.62	18.46	
	03/03/97		8.23	10.28	18.49	
	05/29/97		9.55	8.96	18.49	
	07/30/97		9.95	8.56	18.49	
	11/14/97		9.99	8.52	18.49	
	02/17/98		6.24	12.27	18.49	
	05/18/98		8.62	9.89	18.50	
	08/20/98		9.84	8.67	18.47	
	12/18/98		8.95	9.56	18.47	
	03/04/99		7.49	11.02	18.46	
	06/14/99		9.70	8.81	18.45	
	09/30/99		10.79	7.72	18.42	
	12/29/99[4]					

NOTES:
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level.
Well Depth[3] = Measurement from top of casing to bottom of well.
4 = Well inaccessible.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #703
2601 LAKEVILLE HIGHWAY, PETALUMA, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
RW-11	04/12/93	18.05	7.94	10.11	---	
	08/03/93		10.08	7.97	18.59	
	10/27/93		10.42	7.63	18.59	
	02/14/94		8.16	9.89	18.53	
	05/03/94		9.54	8.51	18.53	
	07/27/94		10.56	7.49	18.53	
	11/03/94		11.30	6.75	18.32	
	02/03/95		6.56	11.49	18.28	
	05/03/95		8.33	9.72	18.40	
	07/27/95		9.97	8.08	18.52	
	11/16/95		10.96	7.09	18.53	
	02/16/96		7.83	10.22	18.50	
	05/16/96		8.46	9.59	18.41	
	08/22/96		9.86	8.19	18.41	
	11/19/96		9.31	8.74	18.40	
	03/03/97		8.54	9.51	18.43	
	05/29/97		9.98	8.07	18.43	
	07/30/97		10.49	7.56	18.43	
	11/14/97		10.49	7.56	18.44	
	02/17/98		6.58	11.47	18.44	
	05/18/98		9.01	9.04	18.44	
	08/20/98		10.27	7.78	18.45	
	12/18/98		8.39	9.66	18.46	
	03/04/99		8.01	10.04	18.40	
	06/14/99		10.19	7.86	18.15	
	09/30/99		11.39	6.66	18.16	
	12/29/99		10.65	7.40	18.05	

NOTES:
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level.
Well Depth[3] = Measurement from top of casing to bottom of well.
4 = Well inaccessible.

TABLE B

SUMMARY OF GROUND-WATER ANALYTICAL RESULTS

Beacon Station 703
2601 Lakeville Highway
Petaluma, California

WELL ID	DATE SAMPLED	BENZENE (ug/L)	ETHYL-BENZENE (ug/L)	TOLUENE (ug/L)	XYLENES (ug/L)	TPHg (ug/L)	COMMENTS
MW-1	24-Dec-87	390	51	71	37	1200	
	24-Mar-88	950	ND(2)	260	62	1500	
	01-Jul-88	150	9.7	31	40	ND(50)	
	29-Sep-88	430	30	50	40	200	
	16-Dec-88	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(500)	
	27-Mar-89	1500	98	130	130	3600	Odor
	01-May-89	370	12	31	210	1400	Odor
	08-Jun-89	1200	58	65	230	3100	Odor
	07-Jul-89	980	79	59	240	2800	Odor
	24-Jul-89	540	83	120	320	3300	Odor
	31-Aug-89	2200	100	140	480	6100	Odor
	25-Sep-89	5800	280	380	1200	11000	Odor
	30-Oct-89	2100	90	97	310	5300	Odor
	29-Jan-90	1600	74	63	200	2000	
	13-Mar-90	1400	70	71	210	1600	
	06-Jun-90	6600	350	540	1600	8600	Odor
	02-Oct-90	960	52	55	228	3400	Odor
	04-Dec-90	1100	98	53	400	4000	Odor
	20-Feb-91	920	80	34	220	4700	
MW-2	24-Dec-87	-	-	-	-	-	
	24-Mar-88	-	-	-	-	-	
	30-Jun-88	3.0	ND(0.5)	2	ND(0.5)	ND(50)	
	29-Sep-88	11	ND(0.5)	ND(0.5)	ND(0.5)	ND(50)	
	16-Dec-88	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(500)	
	27-Mar-89	1800	170	130	550	8600	Odor
	01-May-89	320	60	19	330	2000	Odor
	08-Jun-89	120	ND(1)	ND(0.9)	9.4	300	No Odor
	07-Jul-89	67	ND(0.8)	ND(0.5)	ND(1.0)	97	No Odor
	24-Jul-89	480	250	80	1300	5800	Odor
	31-Aug-89	1200	550	210	2400	11000	Odor
	25-Sep-89	3600	1400	390	6000	26000	Odor
	30-Oct-89	640	320	ND(80)	1200	9200	Odor
	29-Jan-90	700	290	ND(50)	990	4600	
	13-Mar-90	720	220	20	640	2300	
	06-Jun-90	1800	1400	1400	4000	12000	Odor
	02-Oct-90	240	65	49	65	2500	Odor
	04-Dec-90	65	11	ND(0.5)	2.8	320	Odor
	20-Feb-91	60	15	ND(2)	28	840	

TABLE B

(Continued)

SUMMARY OF GROUND-WATER ANALYTICAL RESULTS

Beacon Station 703
2601 Lakeville Highway
Petaluma, California

WELL ID	DATE SAMPLED	BENZENE (ug/L)	ETHYL-BENZENE (ug/L)	TOLUENE (ug/L)	XYLENES (ug/L)	TPHg (ug/L)	COMMENTS
MW-3	24-Dec-87	-	-	-	-	-	
	24-Mar-88	-	-	-	-	-	
	30-Jun-88	39	4.0	57	54	80	
	29-Sep-88	64	2.0	2.0	4.0	ND(50)	
	16-Dec-88	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(500)	
	27-Mar-89	110	2.9	16	20	170	No Odor
	01-May-89	40	0.51	ND(0.5)	1.8	77	No Odor
	08-Jun-89	61	ND(0.8)	ND(0.6)	ND(2)	120	No Odor
	07-Jul-89	56	6.8	ND(0.5)	21	160	No Odor
	24-Jul-89	48	1.0	13	8.8	190	No Odor
	31-Aug-89	220	12	81	54	720	No Odor
	25-Sep-89	100	2.2	8.0	6.2	200	No Odor
	30-Oct-89	91	2.9	4.8	4.3	290	No Odor
	29-Jan-90	57	ND(1)	ND(1)	ND(3)	57	
	13-Mar-90	100	7.5	0.53	ND(2)	99	
	06-Jun-90	50	11	0.5	ND(2)	50	
	02-Oct-90	19	2.1	1.8	1.4	82	No Odor
	04-Dec-90	45	2.3	3.9	3.1	120	
	20-Feb-91	41	0.59	0.66	ND(0.5)	120	
MW-4	24-Dec-87	-	-	-	-	-	
	24-Mar-88	-	-	-	-	-	
	01-Jul-88	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	70	
	29-Sep-88	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(50)	
	16-Dec-88	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(500)	
	27-Mar-89	0.17	0.39	0.99	1.2	4.8	No Odor
	01-May-89	ND(0.2)	ND(0.3)	ND(0.2)	ND(0.4)	ND(2.0)	No Odor
	08-Jun-89	5	ND(0.8)	ND(0.6)	ND(2)	14	No Odor
	07-Jul-89	6.3	ND(0.3)	ND(0.2)	ND(0.4)	12	No Odor
	24-Jul-89	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.7)	ND(4.0)	No Odor
	31-Aug-89	ND(0.7)	ND(0.5)	ND(0.4)	ND(1.0)	ND(2.0)	No Odor
	25-Sep-89	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.5)	ND(2.0)	No Odor
	30-Oct-89	ND(0.4)	ND(0.4)	ND(0.3)	ND(1.0)	ND(2.0)	No Odor
	29-Jan-90	ND(0.6)	ND(0.7)	ND(0.6)	ND(2)	ND(5)	
	13-Mar-90	ND(0.5)	ND(0.5)	ND(0.5)	ND(2)	ND(5)	
	06-Jun-90	ND(0.5)	ND(0.5)	ND(0.5)	ND(2)	ND(5)	
	02-Oct-90	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(50)	No Odor
	04-Dec-90	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(50)	
	20-Feb-91	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(50)	

NOTES:
1) TPHg = Total Petroleum Hydrocarbons (as gasoline).
2) Odor refers to petroleum hydrocarbon odor.
3) All results are presented in parts per billion.
4) Samples prior to March 1989 taken by McLaren Environmental Engineering, while samples prior to June 1988 were taken by Excaltech.
5) ND = Not Detected, detection limit shown in parentheses.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #703
2601 LAKEVILLE HIGHWAY, PETALUMA, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons		Aromatic Volatile Organic Compounds				
		Gasoline	Diesel	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-1	10/12/92	2,900	---		1,200	22	100	160
	01/28/93	4,300	---		870	<25	70	120
	04/17/93	11,000	---		3,500	240	390	670
	07/27/93	830	---		290	9.0	28	28
	10/27/93	3,100	<50		1,200	18	72	93
	02/14/94	1,100	<50		310	7.3	28	27
	05/03/94	3,000	<50		630	54	47	67
	07/27/94	1,300	<50		630	20	35	41
	11/03/94	2,400	<50		940	14	47	40
	02/03/95	1,700	<50		760	39	53	83
	05/03/95	2,700	<50		1,300	41	100	160
	07/27/95	2,200	<50		940	19	52	76
	11/16/95	1,900	<50		810	24	55	74
	02/16/96	2,500	<50		1,000	23	98	85
	05/16/96	3,400	<50		1,300	35	120	110
	08/22/96	2,800	<50	93	990	5.2	76	29
	11/19/96	840	<50	73	310	3.4	24	6.4
	03/03/97	1,600	<50	96	700	7.1	76	23
	05/29/97	1,400	<50	37	440	7.9	58	22
	07/30/97	280	<50	15	100	1.4	13	4.2
	11/14/97	1,800	<50	210	900	4.1	70	4.6
	02/17/98	1,700	<50	100	470	9.9	44	38
	05/18/98	1,000	<50	190	170	<2.5	<2.5	<2.5
	08/20/98	2,700	<50	380	560	6.8	28	6.8
	12/18/98	2,200	<200	430	240	3.8	13	3.4
	03/04/99	1,200	<50	320	190	2.7	18	6.5
	06/14/99	<250	<50	1,200	210	4.3	17	8.6
	09/30/99	570	<50	810	170	5.0	12	7.6
	12/29/99[2]							

NOTES:
1 = May be due to aged gasoline.
2 = Well inaccessible.
< = Below indicated detection limit.
NS = Not sampled.
* = Non typical diesel pattern.
– = Non typical gasoline pattern.
— = Increased reporting limit due to interference from high boiling point compounds.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #703
2601 LAKEVILLE HIGHWAY, PETALUMA, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons		Aromatic Volatile Organic Compounds				
		Gasoline	Diesel	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-2	10/12/92	59	—		1.8	1.1	1.0	2.8
	01/28/93	1,300	—		92	1.0	14	83
	04/17/93	11,000	—		940	43	740	1,200
	07/27/93	75	—		2.7	0.99	0.88	0.67
	10/27/93	<50	<50		0.74	<0.5	<0.5	<0.5
	02/14/94	1,800	<50		140	23	50	150
	03/03/94	1,200	<50		110	2.4	73	92
	07/27/94	52	<50		1.4	<0.5	<0.5	<0.5
	11/03/94	65	<50		<0.5	<0.5	<0.5	<0.5
	02/03/95	4,900	67*		440	2.4	440	570
	05/03/95	1,500	<50		120	<1.3	120	120
	07/27/95	240	<50		15	<0.50	6.6	6.7
	11/16/95	75	<50		1.7	<0.50	<0.50	<0.50
	02/16/96	1,800	<100		110	1.5	130	130
	05/16/96	990	<50		51	<0.50	37	26
	08/22/96	390	<50	38	15	<0.50	5.7	3.7
	11/19/96	130	<50	18	0.58	<0.50	<0.50	<0.50
	03/03/97	640	<100**	200	23	<0.50	15	5.8
	05/29/97	<50	<50	25	1.1	<0.50	<0.50	<0.50
	07/30/97	78	<50	<40	<0.50	<0.50	<0.50	<0.50
	11/14/97	82	<50	200	<0.50	<0.50	<0.50	<0.50
	02/17/98	1,500	520	360	94	<0.50	34	11
	05/18/98	2,600	510	450	200	1.9	38	12
	08/20/98	1,100	<50	600	4.1	<0.50	0.51	<0.50
	12/18/98	3,800	<700	2,500	210	27	150	71
	03/04/99	1,300	<250	1,300	110	38	71	96
	06/14/99	<1,000	<100	4,100	<10	<10	<10	<10
	09/30/99	<50	<50	1,900	<0.50	<0.50	<0.50	<0.50
	12/29/99[1]							

NOTES:
1 = May be due to aged gasoline.
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< = Below indicated detection limit.
NS = Not sampled.
* = Non typical diesel pattern.
– = Non typical gasoline pattern.
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TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #703
2601 LAKEVILLE HIGHWAY, PETALUMA, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons		Aromatic Volatile Organic Compounds				
		Gasoline	Diesel	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-3	10/12/92	360	---		110	6.6	11	27
	01/28/93	80	---		10	<0.5	<0.5	0.79
	04/17/93	<50	---		6.0	<0.5	<0.5	0.81
	07/27/93	<50	---		15	1.9	<0.5	1.7
	10/27/93	<50	<50		<0.5	<0.5	<0.5	<0.5
	02/14/94	60	<50		19	<0.5	<0.5	2.2
	05/03/94	73	<50		32	0.67	1.5	2.2
	07/27/94	80	<50		29	0.59	1.2	2.0
	11/03/94	120	<50		35	1.4	2.4	2.9
	02/03/95	530	<50		180	20	22	45
	05/03/95	210	<50		97	3.7	<0.5	13
	07/27/95	60	<50		19	<0.50	0.3	1.2
	11/16/95	<50	<50		3.0	<0.50	<0.50	<0.50
	02/16/96	96	<50		20	0.90	1.9	3.1
	05/16/96	130	<50		37	0.77	2.7	3.0
	08/22/96	72	<50	17	15	<0.50	1.3	1.2
	11/19/96	<50	<50	6.7	5.8	<0.50	<0.50	0.64
	03/03/97	58	<50	8.6	15	<0.50	1.7	1.2
	05/29/97	120	<50	10	33	0.56	5.0	3.1
	07/30/97	61	<50	5.0	19	0.60	1.7	2.7
	11/14/97	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	02/17/98	170	<50	73	44	<0.50	2.1	1.9
	05/18/98	220	<50	7.6	46	0.80	5.6	2.8
	08/20/98	790	<50	<5.0	300	4.6	21	20
	12/18/98	490	<50	<5.0	140	5.3	20	30
	03/04/99	120	<50	55	7.8	<0.50	0.78	1.3
	06/14/99	<50	<50	130	0.91	<0.50	<0.50	<0.50
	09/30/99	370	<50	27	120	1.9	12	20
	12/29/99[2]							

NOTES:
1 = May be due to aged gasoline.
2 = Well inaccessible.
< = Below indicated detection limit.
NS = Not sampled.
* = Non typical diesel pattern.
– = Non typical gasoline pattern.
— = increased reporting limit due to interference from high boiling point compounds

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #703
2601 LAKEVILLE HIGHWAY, PETALUMA, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons		Aromatic Volatile Organic Compounds				
		Gasoline	Diesel	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-4	01/28/93	<50	---		<0.5	<0.5	<0.5	<0.5
	04/17/93	<50	---		1.2	1.2	<0.5	1.9
	07/27/93	<50	---		<0.5	1.2	<0.5	0.69
	10/27/93	<50	<50		<0.5	<0.5	<0.5	<0.5
	02/14/94	<50	<100		<0.5	<0.5	<0.5	<0.5
	05/03/94	<50	<50		<0.5	<0.5	<0.5	<0.5
	07/27/94	<50	<50		<0.5	<0.5	<0.5	<0.5
	11/03/94	<50	<50		<0.5	<0.5	<0.5	<0.5
	02/03/95	<50	<100		<0.5	<0.5	<0.5	<0.5
	05/03/95	<50	<50		<0.5	<0.5	<0.5	<0.5
	07/27/95	<50	<50		<0.50	<0.50	<0.50	<0.50
	11/16/95	<50	210		<0.50	<0.50	<0.50	<0.50
	02/16/96	<50	610		<0.50	<0.50	<0.50	<0.50
	05/16/96	<50	250*		<0.50	<0.50	<0.50	<0.50
	08/22/96	<50	430	<5.0	<0.50	<0.50	<0.50	<0.50
	11/19/96	<50	280	<5.0	<0.50	<0.50	<0.50	<0.50
	03/03/97	<50	200	<5.0	<0.50	<0.50	<0.50	<0.50
	05/29/97	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	07/30/97	<50	<50	6.3	<0.50	<0.50	<0.50	<0.50
	11/14/97	67	7,100	<5.0	0.78	<0.50	0.68	3.8
	02/17/98	<50	180	<5.0	<0.50	<0.50	<0.50	<0.50
	05/18/98	<50	<50	5.8	<0.50	<0.50	<0.50	<0.50
	08/20/98	<50	<50	14	<0.50	<0.50	<0.50	<0.50
	12/18/98	<50	<50	<5.0	<0.50	<0.50	<0.50	0.81
	03/04/99	<50	120	<5.0	<0.50	<0.50	<0.50	<0.50
	06/14/99	<50	<50	25	<0.50	<0.50	<0.50	<0.50
	09/30/99	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/29/99	9,600	1,000	9,300	22	8.6	70	1,300

NOTES:
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TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #703
2601 LAKEVILLE HIGHWAY, PETALUMA, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons		Aromatic Volatile Organic Compounds				
		Gasoline	Diesel	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-5	01/28/93	<50	—		<0.5	<0.5	<0.5	<0.5
	04/17/93	<50	—		<0.5	<0.5	<0.5	<0.5
	07/27/93	<50	—		<0.5	1.4	<0.5	0.90
	10/27/93	<50	<50		<0.5	<0.5	<0.5	<0.5
	02/14/94	<50	<50		<0.5	<0.5	<0.5	<0.5
	05/03/94	<50	<50		<0.5	<0.5	<0.5	<0.5
	07/27/94	<50	<50		<0.5	<0.5	<0.5	<0.5
	11/03/94	<50	<50		<0.5	<0.5	<0.5	<0.5
	02/03/95	<50	<50		<0.5	<0.5	<0.5	<0.5
	05/03/95	<50	<50		<0.5	<0.5	<0.5	<0.5
	07/27/95	<50	<50		<0.50	<0.50	<0.50	<0.50
	11/16/95	<50	<50		<0.50	<0.50	<0.50	<0.50
	02/16/96	<50	<50		<0.50	<0.50	<0.50	<0.50
	05/16/96	<50	<50		<0.50	<0.50	<0.50	<0.50
	08/22/96	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	11/19/96	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	03/03/97	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	05/29/97	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	07/30/97	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	11/14/97	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	02/17/98	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	05/18/98	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	08/20/98	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/18/98	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	03/04/99	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	06/14/99[2]							
	09/30/99	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/29/99	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50

NOTES:
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GROUND WATER ANALYTICAL RESULTS
BEACON STATION #703
2601 LAKEVILLE HIGHWAY, PETALUMA, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons		Aromatic Volatile Organic Compounds				
		Gasoline	Diesel	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-6	01/28/93	<50	--		<0.5	<0.5	<0.5	<0.5
	04/17/93	<50	--		<0.5	<0.5	<0.5	<0.5
	07/27/93	<50	--		<0.5	0.80	<0.5	0.63
	10/27/93	<50	<50		<0.5	<0.5	<0.5	<0.5
	02/14/94	<50	<50		<0.5	<0.5	<0.5	<0.5
	05/03/94	<50	<50		<0.5	<0.5	<0.5	<0.5
	07/27/94	<50	<50		<0.5	<0.5	<0.5	<0.5
	11/03/94	<50	<50		<0.5	<0.5	<0.5	<0.5
	02/03/95	<50	<50		<0.5	<0.5	<0.5	<0.5
	05/03/95	<50	<50		<0.5	<0.5	<0.5	<0.5
	07/27/95	<50	<50		<0.50	<0.50	<0.50	<0.50
	11/16/95	<50	<50		<0.50	<0.50	<0.50	<0.50
	02/16/96	<50	<50		<0.50	<0.50	<0.50	<0.50
	05/16/96	<50	<50		<0.50	<0.50	<0.50	<0.50
	08/22/96	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	11/19/96	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	03/03/97	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	05/29/97[2]							
	07/30/97[1]							
	11/14/97	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	02/17/98	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	05/18/98	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	08/20/98	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/18/98	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	03/04/99	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	06/14/99	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	09/30/99	<50	<50	7.4	<0.50	<0.50	<0.50	<0.50
	12/29/99	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50

NOTES:
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< = Below indicated detection limit.
NS = Not sampled
* = Non typical diesel pattern.
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TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #703
2601 LAKEVILLE HIGHWAY, PETALUMA, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons		Aromatic Volatile Organic Compounds				
		Gasoline	Diesel	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-7	01/28/93	<50	—		<0.5	<0.5	<0.5	<0.5
	04/17/93	<50	—		<0.5	<0.5	<0.5	<0.5
	07/27/93	<50	—		<0.5	0.88	<0.5	0.71
	10/27/93	<50	<50		<0.5	<0.5	<0.5	<0.5
	02/14/94	<50	<50		<0.5	<0.5	<0.5	<0.5
	05/03/94	<50	<50		<0.5	<0.5	<0.5	<0.5
	07/27/94	<50	<50		<0.5	<0.5	<0.5	<0.5
	11/03/94	<50	<50		<0.5	<0.5	<0.5	<0.5
	02/03/95	<50	<50		<0.5	<0.5	<0.5	<0.5
	05/03/95	<50	<50		<0.5	<0.5	<0.5	<0.5
	07/27/95	<50	<50		<0.50	<0.50	<0.50	<0.50
	11/16/95	<50	<50		<0.50	<0.50	<0.50	<0.50
	02/16/96	<50	<50		<0.50	<0.50	<0.50	<0.50
	05/16/96	<50	<50		<0.50	<0.50	<0.50	<0.50
	08/22/96	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	11/19/96	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	03/03/97	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	05/29/97[2]							
	07/30/97	<50	<50	5.1	<0.50	<0.50	<0.50	<0.50
	11/14/97	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	02/17/98	<50	94	<5.0	<0.50	<0.50	<0.50	<0.50
	05/18/98	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	08/20/98	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/18/98	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	03/04/99	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	06/14/99	<50	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	09/30/99	<50	<50	16	<0.50	<0.50	<0.50	<0.50
	12/29/99	<50	<50	14	<0.50	<0.50	<0.50	<0.50

NOTES:
1 = May be due to aged gasoline.
2 = Well inaccessible.
< = Below indicated detection limit.
NS = Not sampled.
* = Non typical diesel pattern.
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TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #703
2601 LAKEVILLE HIGHWAY, PETALUMA, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons		Aromatic Volatile Organic Compounds				
		Gasoline	Diesel	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-8	01/28/93	<50	---		<0.5	<0.5	<0.5	<0.5
	04/17/93	<50	---		<0.5	<0.5	<0.5	<0.5
	07/27/93	<50	---		<0.5	1.9	<0.5	1.1
	10/27/93	<50	<50		<0.5	<0.5	<0.5	<0.5
	02/14/94	<50	<50		<0.5	<0.5	<0.5	<0.5
	05/03/94	<50	<50		<0.5	<0.5	<0.5	<0.5
	07/27/94	<50	<50		<0.5	<0.5	<0.5	<0.5
	11/03/94	66	<50		<0.5	<0.5	<0.5	<0.5
	02/03/95	<50	<50		<0.5	<0.5	<0.5	<0.5
	05/03/95	<50	<50		<0.5	<0.5	<0.5	<0.5
	07/27/95	<50	<50		<0.50	<0.50	<0.50	<0.50
	11/16/95	71	<50		<0.50	<0.50	<0.50	<0.50
	02/16/96	<50	<50		<0.50	<0.50	<0.50	<0.50
	05/16/96	<50	<50		<0.50	<0.50	<0.50	<0.50
	08/22/96	<50	<50	21	<0.50	<0.50	<0.50	<0.50
	11/19/96	<50	<50	7.1	<0.50	<0.50	<0.50	<0.50
	03/03/97	<50	<50	10	<0.50	<0.50	<0.50	<0.50
	05/29/97	<50	<50	10	<0.50	<0.50	<0.50	<0.50
	07/30/97	89	<50	9.4	<0.50	<0.50	<0.50	<0.50
	11/14/97	<50	1,100	<5.0	<0.50	<0.50	<0.50	<0.50
	02/17/98	<50	390	<5.0	<0.50	<0.50	<0.50	<0.50
	05/18/98	<50	840	7.4	<0.50	<0.50	<0.50	<0.50
	08/20/98	<50	1,500	7.6	<0.50	<0.50	<0.50	<0.50
	12/18/98	<50	7,700	6.2	<0.50	<0.50	<0.50	<0.50
	03/04/99	<50	4,900	11	<0.50	<0.50	<0.50	<0.50
	06/14/99	<50	<50	140	<0.50	<0.50	<0.50	<0.50
	09/30/99	<50	<50	390	<0.50	<0.50	<0.50	<0.50
	12/29/99[2]							

NOTES:
1 = May be due to aged gasoline.
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*** = Increased reporting limit due to interference from high boiling point compounds.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #703
2601 LAKEVILLE HIGHWAY, PETALUMA, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons		Aromatic Volatile Organic Compounds				
		Gasoline	Diesel	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
RW-9	08/3/93	56,000	---		20,000	1,100	850	3,200
	10/27/93	51,000	<100		16,000	550	740	1,700
	02/14/94	2,700	<50		570	46	37	140
	05/03/94	5,500	<100		2,100	37	40	100
	07/27/94	12,000	<50		5,300	100	170	270
	11/03/94	11,000	<50		3,700	56	100	190
	02/03/95	11,000	<50		4,700	130	240	320
	05/03/95	9,200	<50		4,200	150	150	530
	07/27/95	7,000	<50		2,500	38	110	180
	11/16/95	5,300	<50		2,300	38	140	240
	02/16/96	12,000	<50		5,000	120	360	550
	05/16/96	7,800	<50		3,300	50	150	270
	08/22/96	9,300	<50	590	3,800	32	190	200
	11/19/96	15,000	<50	1,400	5,900	69	410	480
	03/03/97	7,500	<50	580	2,700	<25	110	120
	05/29/97	9,400	430	600	3,000	32	200	160
	07/30/97	13,000	<200	910	3,800	37	190	150
	11/14/97	1,300	30,000	2,300	11,000	91	640	590
	02/17/98	1,200	24,000	1,600	8,800	100	420	330
	05/18/98	19,000	1,100	1,300	7,400	67	510	310
	08/20/98	22,000	<50	1,300	7,000	44	300	170
	12/18/98	18,000	<1,000	1,200	9,900	48	240	150
	03/04/99	34,000	<500	1,300	11,000	50	240	150
	06/14/99	19,000	<400	2,300	10,000	89	400	210
	09/30/99	13,000	<400	1,400	4,600	30	130	47
	12/29/99	85	<50	200	3.6	<0.50	< 70	1.2

NOTES:
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TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #703
2601 LAKEVILLE HIGHWAY, PETALUMA, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons		Aromatic Volatile Organic Compounds				
		Gasoline	Diesel	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
RW-10	08/03/93	84	---		<0.5	<0.5	<0.5	<0.5
	10/27/93	250	110[1]		15	<0.5	1.61	0.69
	02/14/94	69	<50		<0.5	<0.5	<0.5	<0.5
	05/03/94	69	<50		2.1	<0.5	<0.5	<0.5
	07/27/94	270	<50		3.6	1.3	19	62
	11/03/94	110	<50		<0.5	<0.5	<0.5	<0.5
	02/03/95	320	<50		<0.5	<0.5	<0.5	<0.5
	05/03/95	330**	<50		<0.5	<0.5	<0.5	<0.5
	07/27/95	170**	<50		<0.50	<0.50	<0.50	<0.50
	11/16/95	70	<50		0.94	<0.50	<0.50	<0.50
	02/16/96	110	<50		0.41	<0.30	<0.30	0.54
	05/16/96	190**	<50		<0.50	<0.50	<0.50	<0.50
	08/22/96	380	<50	280	<0.50	<0.50	<0.50	<0.50
	11/19/96	78	<50	140	<0.50	<0.50	<0.50	<0.50
	03/03/97	110	<50	200	7.5	<0.50	<0.50	<0.50
	05/29/97	<50	160	62	<0.50	<0.50	<0.50	<0.50
	07/30/97	<50	<50	70	<0.50	<0.50	<0.50	<0.50
	11/14/97	54	1,600	420	<0.50	<0.50	<0.50	<0.50
	02/17/98	<50	300	120	<0.50	<0.50	<0.50	<0.50
	05/18/98	<50	1,400	370	<0.50	<0.50	<0.50	<0.50
	08/20/98	61	180	340	<0.50	<0.50	<0.50	<0.50
	12/18/98	190	240	14,000	19	39	1.53	1.7
	03/04/99	98	160	33,000	17	1.6	1.3	2.9
	06/14/99	<50	80	23,000	9.1	<0.50	1.3	2.2
	09/30/99	<50	76	45,000	<0.50	<0.50	<0.50	<0.50
	12/29/99[2]							

NOTES:
1 = May be due to aged gasoline
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NS = Not sampled.
* = Non typical diesel pattern.
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TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #703
2601 LAKEVILLE HIGHWAY, PETALUMA, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons		Aromatic Volatile Organic Compounds				
		Gasoline	Diesel	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
RW-11	08/3/93	240	---		66	0.96	2	4.4
	10/27/93	1,100	<50		240	<5.0	<5.0	20
	02/14/94	200	<50		42	<0.5	14	7.5
	05/03/94	240	<50		55	0.65	23	12
	07/27/94	180	<50		45	0.80	14	5.5
	11/03/94	130	<50		14	<0.5	2.4	1.6
	02/03/95	720	<50		190	0.86	48	37
	05/03/95	450	<50		90	0.60	1.5	56
	07/27/95	220	<50		47	<0.50	21	8.4
	11/16/95	54	<50		11	<0.50	3.6	0.78
	02/16/96	190	<50		47	<0.50	10	7.6
	05/16/96	240	<50		37	<0.50	16	8.1
	08/22/96	170	<50	37	19	<0.50	11	3.5
	11/19/96	210	<200***	<5.0	22	<0.50	2	7.9
	03/03/97	260	<50	12	49	<0.50	13	8.7
	05/29/97	220	<50	11	34	0.62	8	7.6
	07/30/97	100	<50	7.4	14	<0.50	4	2.3
	11/14/97	<50	2,000	<5.0	<0.50	<0.50	<0.50	<0.50
	02/17/98	170	2,900	<5.0	41	<0.50	7	7.6
	05/18/98	86	11,000	<5.0	13	2.6	1.7	2.3
	08/20/98	580	7,200	<5.0	210	1.8	3	39
	12/18/98	96	6,300	<5.0	0.87	<0.50	<0.50	0.53
	03/04/99	140	8,000	6.1	27	<0.50	2	10
	06/14/99	530	6,000	11	130	0.64	1	67
	09/30/99	840	18,000	130	0.70	7.4	29	130
	12/29/99	2,900	<150	22,000	120	19	45	18

NOTES:
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* = Non typical diesel pattern.
** = Non typical gasoline pattern.
--- = Increased reporting limit due to interference from high boiling point compounds

Table 1A - Historical Groundwater Monitoring Data
Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Well Number	Date	TPHd (ppb)	TPHg (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TBA (ppb)	TOC Elevation	Depth to GW	GW Elevation	Comments
MW-1	03/14/00	<200	1,200	210	7.2	21	19	3,200		18.22	7.51	10.71	No odor / No sheen
	06/07/00	<300	1,400	230	8.0	25	34	4,800			9.61	8.61	No Comments
	08/29/00	<100	530	73	2.7	8.4	7.2	1,100			10.49	7.73	No Comments
5' - 30'	11/29/00	<150	510	74	<2.0	4.6	3.4	1,400			10.24	7.98	No Comments
screen	03/29/01	<200	890	150	4.0	8.5	9.2	1,200			8.95	9.27	No Comments
interval	06/14/01	<200	340	50	<2.0	5.3	4.4	520			10.30	7.92	No Comments
	08/22/01	<100	260	63	0.92	1.8	1.5	460			11.11	7.11	No Comments
	11/27/01	<50	420	68	0.75	0.88	0.89	310			9.36	8.86	No Comments
	03/18/02	<50	790	160	3.2	4.0	4.6	370			8.57	11.38	No Comments
	04/24/02	------	------	-----	-----	-----	-----	-----		19.95			GPS surveying of well
	05/22/02	<50	410	56	<2.0	<2.0	<2.0	580			9.89	10.06	No Comments
	08/19/02	<50	300	36	<0.50	1.3	0.77	320			10.74	9.21	No Comments
	11/18/02	64	500	87	1.4	1.1	1.5	390	89		10.64	9.31	No Comments
	02/24/03	<200	660	71	2.6	5.1	5.2	390	93		8.12	11.83	No Comments
	05/22/03	<200	630	67	2.3	6.1	5.0	310	69		9.20	10.75	No Comments
	09/08/03	120	490	96	1.4	3.3	2.4	360	55		10.43	9.52	No Comments
	12/11/03	100 #	680	83	1.4	4.8	2.6	330	67		9.32	10.63	No Comments
	01/29/04	100	290	30	1.2	5.8	3.5	99	27		8.27	11.68	Odor / No sheen
	04/16/04	140	340	32	0.98	3.6	3.0	110	44		9.50	10.45	Odor / No sheen
	07/22/04	70	160	3.6	<0.50	0.77	1.5	430	27		10.34	9.61	Odor / No sheen
	10/26/04	<50	<50	0.60	<0.50	<0.50	<0.50	8.2	<5.0		11.41	8.54	No odor / No sheen
	01/14/05	560 #	100	6.3	3.2	3.4	3.6	45	17		7.00	12.95	Odor / No sheen
	04/08/05	68 #	82	3.8	<0.50	2.2	1.9	44	16		7.91	12.04	No odor / No sheen
	07/05/05	95 #	180	21	0.80	3.2	2.1	210	75		9.72	10.23	Odor / No sheen
	10/18/05	90 #	69	4.1	<0.50	0.68	0.52	76	37		10.80	9.15	No odor / No sheen
	01/18/06	<400	990	47	3.0	27	37	260	na		7.66	12.29	No odor / No sheen
	04/05/06	67 *	240	11	0.88	6.8	8.3	66	85		6.70	13.25	No odor / No sheen
	07/18/06	200 *	400	35	0.88	4.6	1.9	120	150		10.11	9.84	No odor / No sheen
	10/26/06	<50 *	200	13	<0.50	1.0	<0.50	88	150		11.52	8.43	No odor / No sheen
	01/05/07	<50	130	4.8	<0.50	2.7	4.8	34	24		8.34	11.61	No odor / No sheen
	04/10/07	63 *	340	16	<0.50	4.5	1.3	110	200		9.82	10.13	No odor / No sheen
	07/06/07	<50	73	4.6	<0.50	<0.50	<0.50	23	130		11.02	8.93	No odor / No sheen
	11/08/07	160 *	750	43	1.4	2.2	1.4	78	290		12.86	7.09	No odor / No sheen
	01/03/08	1,500 *	190	15	0.52	2.6	1.6	43	170		10.79	9.16	Odor / No sheen
	04/25/08	110*	650	6.1	<0.50	5.8	5.3	34	81		10.03	9.92	Odor / No sheen
	07/11/08	<50 *	190	4.3	<0.50	1.0	<0.50	10	34		9.97	9.98	Odor / No sheen
	10/20/08	<50 *	72	6.1	<0.50	1.2	0.52	18	38		11.40	8.55	Post HVDPE sample
	02/10/09	<50 *	130	6.6	<0.50	<0.50	<0.50	7.4	56		10.53	9.42	Slight odor / No sheen
	04/09/09	<50 *	97	3.7	<0.50	1.0	<0.50	13	28		9.25	10.70	Slight odor / No sheen
	07/07/09	<50 *	94	0.94	<0.50	<0.50	<0.50	5.7	25		10.43	9.52	Slight odor / No sheen
	01/07/10	<50 *	120	6.7	<0.50	3.4	2.1	13	24		9.90	10.05	Post HVDPE sample
	04/01/10	<50*	95	3.7	<0.50	1.3	<0.50	9.6	19		8.21	11.74	Slight odor / No sheen
	07/08/10	<60*	220	8.5	<0.50	1.1	0.69	14	56		8.94	11.01	Slight odor / No sheen
	10/01/10	76*	100	5.4	<0.50	0.62	<0.50	6.5	32		10.76	9.19	Slight odor / No sheen
	01/10/11	<80*	480	10	<0.50	15	4.4	12	19		7.92	12.03	Post HVDPE sample
	04/06/11	<50*	280	5.5	<0.50	5.6	0.69	9.1	15		7.51	12.44	Slight odor / No sheen
	07/07/11	<50*	150	2.6	<0.50	0.63	<0.50	4.5	13		8.63	11.32	Slight odor / No sheen
	10/19/11	<50*	67	0.87	<0.50	<0.50	<0.50	1.6	5.3		9.51	10.44	Slight odor / No sheen
	01/10/12	<50*	96	0.84	<0.50	<0.50	<0.50	1.1	<5.0		10.08	9.87	Slight odor / No sheen
		100	**100**	**1.0**	**40**	**30**	**20**	**5.0**	**12**	SF Bay RWQCB **Table A** ESLs (May 2008)			

Table 1A - Historical Groundwater Monitoring Data
Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Well Number	Date	TPHd (ppb)	TPHg (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TBA (ppb)	TOC Elevation	Depth to GW	GW Elevation	Comments
MW-2	03/14/00	<400	2,600	37	<5.0	89	35	7,500		18.13	7.89	10.24	No odor / No sheen
	06/07/00	<50	<200	2.5	<2.0	<2.0	<2.0	1,700			9.79	8.34	No Comments
	08/29/00	<50	<200	<2.0	<2.0	<2.0	<2.0	820			11.04	7.09	No Comments
9' - 24'	11/29/00	<100	<2000	<2.0	<2.0	<2.0	<2.0	14,000			10.39	7.74	No Comments
screen	03/29/01	<1,000	4,600	41	<10	220	80	5,100			9.02	9.11	No Comments
interval	06/14/01	<50	<250	<2.0	<2.0	<2.0	<2.0	1,200			10.61	7.52	No Comments
	08/22/01	63	200	<2.0	<2.0	3.7	<2.0	2,600			11.20	6.93	No Comments
	11/27/01	<50	<500	<5.0	<5.0	<5.0	<5.0	1,800			9.51	8.62	No Comments
	03/18/02	<300	1,200	18	31	<10	34	5,000			8.69	11.18	No Comments
	04/24/02	------	------	-----	-----	-----	-----	-----		19.87			GPS surveying of well
	05/22/02	<50	<200	<2.0	<2.0	<2.0	<2.0	850			10.11	9.76	No Comments
	08/19/02	56	<200	<2.0	<2.0	<2.0	<2.0	960			10.84	9.03	No Comments
	11/18/02	<50	<200	<2.0	<2.0	<2.0	<2.0	1,100	120		11.41	8.46	No Comments
	02/24/03	130 #	<250	<2.5	<2.5	<2.5	<2.5	1,300	210		8.32	11.55	No Comments
	05/22/03	280	<500	<5.0	<5.0	<5.0	<5.0	2,100	320		9.39	10.48	No Comments
	09/08/03	97	130	19	<1.0	<1.0	<1.0	340	42		10.57	9.30	No Comments
	12/11/03	750	280	<2.0	<2.0	<2.0	<2.0	850	3,100		9.56	10.31	No Comments
	01/29/04	1,400 #	630	8.1	<1.5	<1.5	<1.5	600	1,600		8.82	11.05	Odor / No sheen
	04/16/04	3,800 #	310	2.2	<0.50	<0.50	<0.50	83	1,500		9.37	10.50	Odor / No sheen
	07/22/04	<50	<50	<0.50	<0.50	<0.50	<0.50	0.71	<5.0		9.89	9.98	Odor / No sheen
	10/26/04	70	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		10.64	9.23	No odor / No sheen
	01/13/05	180 #	77	<0.50	18	<0.50	<0.50	<0.50	<5.0		7.40	12.47	No odor / No sheen
	04/07/05	<50	58 ##	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		7.80	12.07	No odor / No sheen
	07/05/05	<50	<50	<0.50	<0.50	<0.50	<0.50	1.0	<5.0		9.90	9.97	No odor / No sheen
	10/17/05	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		10.82	9.05	No odor / No sheen
	01/17/06	70	<50	<0.50	<0.50	<0.50	<0.50	<0.50	na		7.74	12.13	No odor / No sheen
	04/04/06	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		7.07	12.80	No odor / No sheen
	07/17/06	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		10.62	9.25	No odor / No sheen
	10/25/06	<50 #	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		9.89	9.98	No odor / No sheen
	01/04/07	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		7.98	11.89	No odor / No sheen
	04/09/07	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		9.89	9.98	No odor / No sheen
	07/05/07	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		11.15	8.72	No odor / No sheen
	11/07/07	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		12.34	7.53	No odor / No sheen
	01/02/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		10.10	9.77	No odor / No sheen
	04/24/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		10.15	9.72	No odor / No sheen
	07/11/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		10.01	9.86	No odor / No sheen
	10/20/08	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		11.50	8.37	No odor / No sheen
	02/09/09	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		10.60	9.27	No odor / No sheen
	04/08/09	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		9.35	10.52	No odor / No sheen
	07/06/09	ns	ns	ns	ns	ns	ns	ns	ns		10.31	9.56	not sampled
	01/06/10	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		9.96	9.91	No odor / No sheen
	04/01/10	ns	ns	ns	ns	ns	ns	ns	ns		8.43	11.44	not sampled
	07/07/10	ns	ns	ns	ns	ns	ns	ns	ns		9.05	10.82	not sampled
	10/01/10	ns	ns	ns	ns	ns	ns	ns	ns		11.86	8.01	not sampled
	01/10/11	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		8.13	11.74	No odor / No sheen
	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns		7.73	12.14	not sampled
	07/07/11	ns	ns	ns	ns	ns	ns	ns	ns		8.83	11.04	not sampled
	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		9.63	10.24	not sampled
	01/09/12	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		10.27	9.60	No odor / No sheen
		100	**100**	**1.0**	**40**	**30**	**20**	**5.0**	**12**	SF Bay RWQCB **Table A** ESLs (May 2008)			

Table 1A - Historical Groundwater Monitoring Data
Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Well Number	Date	TPHd (ppb)	TPHg (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TBA (ppb)	TOC Elevation	Depth to GW	GW Elevation	Comments
MW-3	03/14/00	440	440	96	2.7	24	41	200		18.15	8.07	10.08	No odor / No sheen
	06/07/00	<50	<50	2.8	<0.50	1.6	1.4	320			10.41	7.74	No Comments
	08/29/00	<50	78	22	<0.50	1.1	5.3	270			11.26	6.89	No Comments
10' - 25'	11/29/00	<50	410	150	1.5	16	25	150			10.91	7.24	No Comments
screen	03/29/01	<50	380	68	1.1	24	29	300			9.51	8.64	No Comments
interval	06/14/01	<50	280	75	0.92	20	23	120			10.83	7.32	No Comments
	08/22/01	<50	170	42	0.67	10	14	79			11.63	6.52	No Comments
	11/27/01	<50	810	190	2.6	31	54	95			10.15	8.00	No Comments
	03/18/02	17,000	110	7.8	<0.50	4.5	2.8	400			8.98	10.94	No Comments
	04/24/02	------	------	-----	-----	-----	-----	-----		19.92			GPS surveying of well
	05/22/02	<50	180	57	<0.50	8.0	10	170			10.65	9.27	No Comments
	08/19/02	70	<50	<0.50	<0.50	<0.50	<0.50	57			11.32	8.60	No Comments
	11/18/02	<50	<50	12	<0.50	<0.50	2.2	37	<5.0		10.72	9.20	No Comments
	02/24/03	<50	110	27	<0.50	8.2	0.87	100	<5.0		8.62	11.30	No Comments
	05/22/03	<50	<50	2.3	<0.50	0.86	<0.50	120	7.4		9.89	10.03	No Comments
	09/08/03	<50	<50	<0.50	<0.50	<0.50	<0.50	27	<5.0		11.03	8.89	No Comments
	12/11/03	84 #	240	81	<0.50	2.3	2.8	22	<5.0		10.15	9.77	No Comments
	01/28/04	1,600 #	<50	4.1	<0.50	0.95	<0.50	47	<5.0		9.35	10.57	No odor / No sheen
	04/15/04	440 #	73	9.6	<0.50	2.0	<0.50	62	5.2		10.09	9.83	No odor / No sheen
	07/22/04	<50	<50	<0.50	<0.50	<0.50	<0.50	40	<5.0		11.16	8.76	No odor / No sheen
	10/26/04	<50 *	<50	2.2	<0.50	<0.50	<0.50	12	<5.0		11.36	8.56	No odor / No sheen
	01/13/05	180 #	<50	<0.50	4.6	<0.50	<0.50	2.8	<5.0		7.81	12.11	No odor / No sheen
	04/08/05	260 #	<50	<0.50	<0.50	<0.50	<0.50	10	<5.0		8.30	11.62	No odor / No sheen
	07/05/05	55 #	<50	1.8	<0.50	<0.50	<0.50	14	<5.0		10.28	9.64	No odor / No sheen
	10/18/05	84 #	<50	<0.50	<0.50	<0.50	<0.50	7.0	<5.0		11.41	8.51	No odor / No sheen
	01/17/06	2,200 #	<50	<0.50	<0.50	<0.50	<0.50	2.2	na		8.41	11.51	No odor / No sheen
	04/05/06	160 *	<50	<0.50	<0.50	<0.50	<0.50	5.7	<5.0		7.28	12.64	No odor / No sheen
	07/18/06	340 *	<50	<0.50	<0.50	<0.50	<0.50	2.7	<5.0		10.71	9.21	No odor / No sheen
	10/26/06	<50	<50	<0.50	<0.50	<0.50	<0.50	1.1	<5.0		11.08	8.84	No odor / No sheen
	01/04/07	<50	<50	<0.50	<0.50	<0.50	<0.50	1.1	<5.0		8.39	11.53	No odor / No sheen
	04/09/07	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		10.19	9.73	No odor / No sheen
	07/05/07	<50 *	<50	<0.50	<0.50	<0.50	<0.50	3.0	<5.0		11.64	8.28	No odor / No sheen
	11/07/07	<50	<50	<0.50	<0.50	<0.50	<0.50	1.3	<5.0		12.95	6.97	No odor / No sheen
	01/03/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		10.53	9.39	No odor / No sheen
	04/24/08	<50 *	<50	<0.50	<0.50	<0.50	<0.50	1.1	<5.0		10.56	9.36	No odor / No sheen
	07/11/08	<50	<50	<0.50	<0.50	<0.50	<0.50	0.77	<5.0		10.38	9.54	No odor / No sheen
	10/20/08	<50 *	<50	<0.50	<0.50	<0.50	<0.50	1.3	<5.0		11.84	8.08	No odor / No sheen
	02/09/09	<50 *	<50	<0.50	<0.50	<0.50	<0.50	0.87	<5.0		10.96	8.96	No odor / No sheen
	04/08/09	<50 *	<50	0.83	<0.50	<0.50	<0.50	1.6	8.0		9.78	10.14	No odor / No sheen
	07/07/09	na	na	na	na	na	na	1.1	<5.0		10.84	9.08	No odor / No sheen
	01/06/10	<50 *	<50	<0.50	<0.50	<0.50	<0.50	1.1	<5.0		10.30	9.62	No odor / No sheen
	04/01/10	ns	ns	ns	ns	ns	ns	ns	ns		8.69	11.23	not sampled
	07/07/10	na	na	na	na	na	na	4.9	<5.0		9.35	10.57	No odor / No sheen
	10/01/10	ns	ns	ns	ns	ns	ns	ns	ns		11.18	8.74	not sampled
	01/10/11	<50 *	<50	<0.50	<0.50	<0.50	<0.50	2.3	<5.0		8.41	11.51	No odor / No sheen
	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns		7.93	11.99	not sampled
	07/07/11	<50 *	<50	<0.50	<0.50	<0.50	<0.50	6.4	<5.0		9.10	10.82	No odor / No sheen
	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		9.90	10.02	not sampled
	01/10/12	<50 *	<50	<0.50	<0.50	<0.50	<0.50	1.7	<5.0		10.53	9.39	No odor / No sheen
		100	**100**	**1.0**	**40**	**30**	**20**	**5.0**	**12**	SF Bay RWQCB **Table A** ESLs (May 2008)			

Table 1A - Historical Groundwater Monitoring Data
Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Well Number	Date	TPHd (ppb)	TPHg (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TBA (ppb)	TOC Elevation	Depth to GW	GW Elevation	Comments
MW-4	03/14/00	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0		18.46	6.13	12.33	No odor / No sheen
	06/07/00	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0			8.12	10.34	No Comments
	08/29/00	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0			9.26	9.2	No Comments
11' - 26'	11/29/00	<50	<50	<0.50	<0.50	<0.50	<0.50	6.9			8.84	9.62	No Comments
screen	03/29/01	610	<50	<0.50	<0.50	<0.50	<0.50	0.57			7.55	10.91	No Comments
interval	06/14/01	3,100	380	<0.50	<0.50	<0.50	0.51	8.2			8.95	9.51	No Comments
	08/22/01	<50	<50	<0.50	<0.50	<0.50	<0.50	9.6			9.59	8.87	No Comments
	11/27/01	<50	<50	<0.50	<0.50	<0.50	<0.50	9.2			8.02	10.44	No Comments
	03/18/02	690	<50	<0.50	<0.50	<0.50	<0.50	0.56			7.04	12.18	No Comments
	04/24/02	------	------	-----	-----	-----	-----	-----		19.22			GPS surveying of well
	05/22/02	740	<50	<0.50	<0.50	<0.50	<0.50	5.1			8.54	10.68	No Comments
	08/19/02	<50	<50	<0.50	<0.50	<0.50	<0.50	18			9.34	9.88	No Comments
	11/18/02	<50	<50	<0.50	<0.50	<0.50	<0.50	14	<5.0		9.11	10.11	No Comments
	02/24/03	78 #	<50	<0.50	<0.50	<0.50	<0.50	0.61	<5.0		6.8	12.42	No Comments
	05/22/03	7,000	300	<0.50	<0.50	<0.50	<0.50	4.4	<5.0		7.81	11.41	No Comments
	09/08/03	150 #	<50	<0.50	<0.50	<0.50	<0.50	19	<5.0		9.01	10.21	No Comments
	12/11/03	230 #	<50	<0.50	<0.50	<0.50	<0.50	4.3	<5.0		7.98	11.24	No Comments
	01/28/04	7,700 #	110	<0.50	<0.50	<0.50	<0.50	4.1	<5.0		7.32	11.9	No odor / No sheen
	04/15/04	54,000 #	130 ##	<0.50	<0.50	<0.50	<0.50	1.2	<5.0		8.11	11.11	Odor / No sheen
	07/21/04	370 #	<50	<0.50	1.3	<0.50	<0.50	13	<5.0		9.01	10.21	Odor / No sheen
	10/26/04	620 *	<50	<0.50	0.5	<0.50	<0.50	12	<5.0		9.03	10.19	No odor / No sheen
	01/14/05	1,400 #	77	<0.50	11	<0.50	<0.50	8.6	<5.0		5.56	13.66	No odor / No sheen
	04/07/05	1,900 #	100	<0.50	0.53	<0.50	<0.50	0.99	<5.0		6.55	12.67	No odor / No sheen
	07/25/05	3,900	150	<0.50	0.8	<0.50	0.54	3.7	<5.0		8.49	10.73	Odor / No sheen
	10/17/05	7,100 #	160	<0.50	<0.50	<0.50	<0.50	0.51	<5.0		9.44	9.78	No odor / No sheen
	01/17/06	4,900 #	<50	<0.50	<0.50	<0.50	<0.50	<0.50	na		6.27	12.95	No odor / No sheen
	04/04/06	2,000 *	110 ##	<0.50	0.87	<0.50	<0.50	<0.50	<5.0		5.15	14.07	Odor / No sheen
	07/17/06	1,100 *	61	<0.50	1.8	<0.50	<0.50	2.4	<5.0		8.79	10.43	Odor / No sheen
	10/26/06	6,700 #	56	<0.50	3.0	<0.50	<0.50	2.9	<5.0		9.78	9.44	No odor / No sheen
	01/04/07	360 *	<50	<0.50	<0.50	<0.50	<0.50	0.69	<5.0		7.63	11.59	No odor / No sheen
	04/10/07	1,600 *	<50	<0.50	<0.50	<0.50	<0.50	2.4	<5.0		8.53	10.69	No odor / No sheen
	07/05/07	750*	<50	<0.50	<0.50	<0.50	<0.50	2.1	<5.0		9.64	9.58	No odor / No sheen
	11/08/07	1,600 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		12.24	6.98	some odor, no sheen
	01/02/08	1,300 *	<50	<0.50	<0.50	<0.50	<0.50	0.51	<5.0		8.04	11.18	No odor / No sheen
	04/24/08	1,300*	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		8.71	10.51	No odor / No sheen
	07/11/08	460 *	<50	<0.50	<0.50	<0.50	<0.50	0.74	<5.0		8.95	10.27	Odor / No sheen
	10/21/08	76 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		10.30	8.92	Slight odor / No sheen
	02/10/09	210 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		9.29	9.93	Slight odor / No sheen
	04/09/09	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		7.97	11.25	No odor / No sheen
	07/06/09	140*	na	na	na	na	na	na	na		9.22	10.00	No odor / No sheen
	01/06/10	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		8.72	10.50	No odor / No sheen
	04/01/10	ns	ns	ns	ns	ns	ns	ns	ns		6.87	12.35	not sampled
	07/07/10	<50*	na	na	na	na	na	na	na		7.66	11.56	No odor / No sheen
	10/01/10	ns	ns	ns	ns	ns	ns	ns	ns		9.55	9.67	not sampled
	01/10/11	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		6.53	12.69	No odor / No sheen
	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns		6.12	13.10	not sampled
	07/07/11	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		7.38	11.84	No odor / No sheen
	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		8.33	10.89	not sampled
	01/09/12	<230*#	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		8.97	10.25	No odor / No sheen
		100	**100**	**1.0**	**40**	**30**	**20**	**5.0**	**12**	SF Bay RWQCB **Table A** ESLs (May 2008)			

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Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Well Number	Date	TPHd (ppb)	TPHg (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TBA (ppb)	TOC Elevation	Depth to GW	GW Elevation	Comments
MW-5	03/14/00	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0		16.72	5.16	11.56	No odor / No sheen
	06/07/00	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0			7.17	9.55	No Comments
	08/29/00	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0			8.28	8.44	No Comments
5' - 20'	11/29/00	NS	NS	NS	NS	NS	NS	NS			NM	NM	No Access
screen	03/29/01	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50			6.53	10.19	No Comments
interval	06/14/01	<50	<50	<0.50	<0.50	<0.50	<0.50	250			7.87	8.85	No Comments
	08/22/01	<50	<50	<0.50	<0.50	<0.50	<0.50	140			8.61	8.11	No Comments
	11/27/01	<50	<50	<0.50	<0.50	<0.50	<0.50	0.67			9.99	6.73	No Comments
	03/18/02	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50			5.99	12.48	No Comments
	04/24/02	------	------	-----	-----	-----	-----	------		18.47			GPS surveying of well
	05/22/02	110	<50	<0.50	<0.50	<0.50	<0.50	1.6			7.48	10.99	No Comments
	08/19/02	<50	<50	<0.50	<0.50	<0.50	<0.50	6.7			8.30	10.17	No Comments
	11/18/02	<50	<50	<0.50	<0.50	<0.50	<0.50	1.5	<5.0		8.07	10.40	No Comments
	02/24/03	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		5.77	12.70	No Comments
	05/22/03	<50	<50	<0.50	<0.50	<0.50	<0.50	0.71	<5.0		6.79	11.68	No Comments
	09/08/03	90	<50	<0.50	<0.50	<0.50	<0.50	1.1	<5.0		8.11	10.36	No Comments
	12/11/03	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		6.87	11.60	No Comments
	01/28/04	360 #	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		6.42	12.05	No odor / No sheen
	04/15/04	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	No Access
	07/21/04	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		8.08	10.39	No odor / No sheen
	10/26/04	60 *	<50	<0.50	0.51	<0.50	<0.50	0.60	<5.0		8.05	10.42	No odor / No sheen
	01/13/05	78 #	64	<0.50	18	<0.50	<0.50	<0.50	<5.0		4.74	13.73	No odor / No sheen
	04/07/05	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		5.68	12.79	No odor / No sheen
	07/05/05	<50	<50	<0.50	<0.50	<0.50	<0.50	0.69	<5.0		7.45	11.02	No odor / No sheen
	10/17/05	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		8.49	9.98	No odor / No sheen
	01/17/06	180 #	<50	<0.50	<0.50	<0.50	<0.50	<0.50	na		5.31	13.16	No odor / No sheen
	04/04/06	<50 *	<50	<0.50	0.57	<0.50	<0.50	<0.50	<5.0		4.14	14.33	No odor / No sheen
	07/17/06	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		7.71	10.76	No odor / No sheen
	10/25/06	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		8.79	9.68	No odor / No sheen
	01/04/07	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		6.39	12.08	No odor / No sheen
	04/09/07	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		7.52	10.95	No odor / No sheen
	07/05/07	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		6.32	12.15	No odor / No sheen
	11/08/07	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		12.44	6.03	No odor / No sheen
	01/02/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		7.74	10.73	No odor / No sheen
	04/24/08	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		7.78	10.69	No odor / No sheen
	07/11/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		7.92	10.55	No odor / No sheen
	10/20/08	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		9.26	9.21	No odor / No sheen
	02/09/09	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		8.22	10.25	No odor / No sheen
	04/08/09	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		6.95	11.52	No odor / No sheen
	07/06/09	ns	ns	ns	ns	ns	ns	ns	ns		8.22	10.25	not sampled
	01/06/10	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		7.72	10.75	No odor / No sheen
	04/01/10	ns	ns	ns	ns	ns	ns	ns	ns		5.92	12.55	not sampled
	07/07/10	ns	ns	ns	ns	ns	ns	ns	ns		6.69	11.78	not sampled
	10/01/10	ns	ns	ns	ns	ns	ns	ns	ns		8.55	9.92	not sampled
	01/10/11	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		5.57	12.90	No odor / No sheen
	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns		5.21	13.26	not sampled
	07/07/11	ns	ns	ns	ns	ns	ns	ns	ns		6.34	12.13	not sampled
	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		7.37	11.10	not sampled
	01/09/12	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		8.53	9.94	No odor / No sheen
		100	**100**	**1.0**	**40**	**30**	**20**	**5.0**	**12**	SF Bay RWQCB **Table A** ESLs (May 2008)			

Table 1A - Historical Groundwater Monitoring Data
Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Well Number	Date	TPHd (ppb)	TPHg (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TBA (ppb)	TOC Elevation	Depth to GW	GW Elevation	Comments
MW-6	03/14/00	<50	<50	<0.50	<0.50	<0.50	<0.50	7.3		15.43	5.79	9.64	No odor / No sheen
	06/07/00	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0			8.11	7.32	No Comments
	08/29/00	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0			9.21	6.22	No Comments
4' - 16.5'	11/29/00	<50	<50	<0.50	<0.50	<0.50	<0.50	2.8			8.71	6.72	No Comments
screen	03/29/01	<50	<50	<0.50	<0.50	<0.50	<0.50	6.2			7.35	8.08	No Comments
interval	06/14/01	<50	<50	<0.50	<0.50	<0.50	<0.50	2.0			8.85	6.58	No Comments
	08/22/01	<50	<50	<0.50	<0.50	<0.50	<0.50	1.6			9.50	5.93	No Comments
	11/27/01	<50	<50	<0.50	<0.50	<0.50	<0.50	0.89			7.78	7.65	No Comments
	03/18/02	<50	<50	<0.50	<0.50	<0.50	<0.50	12			6.75	10.61	No Comments
	04/24/02	------	------	-----	-----	-----	-----	-----		17.36			GPS surveying of well
	05/22/02	<50	<50	<0.50	<0.50	<0.50	<0.50	6.6			8.56	8.80	No Comments
	08/19/02	<50	<50	<0.50	<0.50	<0.50	<0.50	2.5			8.15	9.21	No Comments
	11/18/02	<50	<50	<0.50	<0.50	<0.50	<0.50	0.57	<5.0		9.03	8.33	No Comments
	02/24/03	<50	<50	<0.50	<0.50	<0.50	<0.50	3.8	<5.0		6.28	11.08	No Comments
	05/22/03	<50	<50	<0.50	<0.50	<0.50	<0.50	4.8	<5.0		7.74	9.62	No Comments
	09/08/03	84 #	<50	<0.50	<0.50	<0.50	<0.50	0.82	<5.0		8.88	8.48	No Comments
	12/11/03	<50	<50	<0.50	<0.50	<0.50	<0.50	0.90	<5.0		7.91	9.45	No Comments
	01/28/04	96	<50	<0.50	0.79	<0.50	<0.50	3.4	<5.0		8.15	9.21	No odor / No sheen
	04/15/04	110	<50	<0.50	<0.50	<0.50	<0.50	6.2	<5.0		8.89	8.47	No odor / No sheen
	07/21/04	<50	<50	<0.50	<0.50	<0.50	<0.50	1.4	<5.0		9.81	7.55	No odor / No sheen
	10/26/04	<50	<50	<0.50	0.65	<0.50	<0.50	0.59	<5.0		9.87	7.49	No odor / No sheen
	01/13/05	<50	66	<0.50	19	<0.50	<0.50	0.82	<5.0		5.42	11.94	No odor / No sheen
	04/07/05	<50	<50	<0.50	<0.50	<0.50	<0.50	1.1	<5.0		6.33	11.03	No odor / No sheen
	07/05/05	<50	<50	<0.50	<0.50	<0.50	<0.50	0.81	<5.0		8.22	9.14	No odor / No sheen
	10/17/05	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		9.21	8.15	No odor / No sheen
	01/17/06	61 #	<50	<0.50	<0.50	<0.50	<0.50	<0.50	na		5.93	11.43	No odor / No sheen
	04/04/06	<50	<50	<0.50	0.51	<0.50	<0.50	<0.50	<5.0		4.84	12.52	No odor / No sheen
	07/17/06	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		8.40	8.96	No odor / No sheen
	10/25/06	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		9.53	7.83	No odor / No sheen
	01/04/07	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		8.27	9.09	No odor / No sheen
	04/09/07	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		9.05	8.31	No odor / No sheen
	07/05/07	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		11.84	5.52	No odor / No sheen
	11/07/07	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		12.07	5.29	No odor / No sheen
	01/02/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		7.11	10.25	No odor / No sheen
	04/24/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		8.36	9.00	No odor / No sheen
	07/10/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		7.85	9.51	No odor / No sheen
	10/20/08	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		9.42	7.94	No odor / No sheen
	02/09/09	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		8.67	8.69	No odor / No sheen
	04/08/09	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		8.45	8.91	No odor / No sheen
	07/06/09	ns	ns	ns	ns	ns	ns	ns	ns		8.52	8.84	not sampled
	01/06/10	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		7.84	9.52	No odor / No sheen
	04/01/10	ns	ns	ns	ns	ns	ns	ns	ns		6.36	11.00	not sampled
	07/07/10	ns	ns	ns	ns	ns	ns	ns	ns		6.95	10.41	not sampled
	10/01/10	ns	ns	ns	ns	ns	ns	ns	ns		8.75	8.61	not sampled
	01/10/11	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		5.96	11.40	No odor / No sheen
	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns		5.60	11.76	not sampled
	07/07/11	ns	ns	ns	ns	ns	ns	ns	ns		6.73	10.63	not sampled
	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		7.41	9.95	not sampled
	01/09/12	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		8.12	9.24	No odor / No sheen
		100	**100**	**1.0**	**40**	**30**	**20**	**5.0**	**12**	SF Bay RWQCB **Table A** ESLs (May 2008)			

Table 1A - Historical Groundwater Monitoring Data
Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Well Number	Date	TPHd (ppb)	TPHg (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TBA (ppb)	TOC Elevation	Depth to GW	GW Elevation	Comments
MW-7	03/14/00	<50	<50	<0.50	<0.50	<0.50	<0.50	14		17.19	7.65	9.54	No odor / No sheen
	06/07/00	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0			10.30	6.89	No Comments
	08/29/00	<50	<50	<0.50	<0.50	<0.50	<0.50	45			11.28	5.91	No Comments
4' - 19'	11/29/00	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0			10.75	6.44	No Comments
screen	03/29/01	<50	<50	<0.50	<0.50	<0.50	<0.50	9.2			9.41	7.78	No Comments
interval	06/14/01	<50	<50	<0.50	<0.50	<0.50	<0.50	18			11.01	6.18	No Comments
	08/22/01	<50	<50	<0.50	<0.50	<0.50	<0.50	38			11.61	5.58	No Comments
	11/27/01	<50	<50	<0.50	<0.50	<0.50	<0.50	1.2			9.66	7.53	No Comments
	03/18/02	<50	<50	<0.50	<0.50	<0.50	<0.50	0.93			8.67	8.02	No Comments
	04/24/02	------	------	-----	-----	-----	-----	-----		16.69			GPS surveying of well
	05/22/02	<50	<50	<0.50	<0.50	<0.50	<0.50	31			9.68	7.01	No Comments
	8/19/022	<50	<50	<0.50	<0.50	<0.50	<0.50	22			11.21	5.48	No Comments
	11/18/02	<50	<50	<0.50	<0.50	<0.50	<0.50	52	<5.0		11.05	5.64	No Comments
	02/24/03	<50	<50	<0.50	<0.50	<0.50	<0.50	49	<5.0		8.18	8.51	No Comments
	05/22/03	ns	ns	ns	ns	ns	ns	ns	ns		nm	nm	Could Not Locate
	09/08/03	210	<50	<0.50	<0.50	<0.50	<0.50	44	<5.0		10.91	5.78	No Comments
	12/11/03	<50	<50	<0.50	<0.50	<0.50	<0.50	29	<5.0		9.96	6.73	No Comments
	01/28/04	100 #	<50	<0.50	<0.50	<0.50	<0.50	30	<5.0		9.15	7.54	No odor / No sheen
	04/15/04	220	<50	<0.50	<0.50	<0.50	<0.50	39	<5.0		10.03	6.66	No odor / No sheen
	07/21/04	<50	<50	<0.50	<0.50	<0.50	<0.50	38	<5.0		11.09	5.60	No odor / No sheen
	10/26/04	<50	210	<0.50	<0.50	<0.50	<0.50	26	<5.0		11.10	5.59	No odor / No sheen
	01/13/05	73 #	59	<0.50	4.8	<0.50	<0.50	11	<5.0		7.21	9.48	No odor / No sheen
	04/07/05	<50	<50	<0.50	<0.50	<0.50	<0.50	7.8	<5.0		8.32	8.37	No odor / No sheen
	07/05/05	<50	<50	<0.50	<0.50	<0.50	<0.50	6.1	<5.0		10.35	6.34	No odor / No sheen
	10/17/05	<50	<50	<0.50	<0.50	<0.50	<0.50	2.4	<5.0		11.24	5.45	No odor / No sheen
	01/17/06	<50	<50	<0.50	<0.50	<0.50	<0.50	0.68	na		7.81	8.88	No odor / No sheen
	04/04/06	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		6.69	10.00	No odor / No sheen
	07/17/06	<50	<50	<0.50	<0.50	<0.50	<0.50	0.72	<5.0		10.50	6.19	No odor / No sheen
	10/25/06	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		11.62	5.07	No odor / No sheen
	01/04/07	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		9.34	7.35	No odor / No sheen
	04/09/07	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		10.34	6.35	No odor / No sheen
	07/05/07	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		11.97	4.72	No odor / No sheen
	11/07/07	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		12.19	4.50	No odor / No sheen
	01/02/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		7.96	8.73	No odor / No sheen
	04/24/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		10.47	6.22	No odor / No sheen
	07/10/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		9.93	6.76	No odor / No sheen
	10/21/08	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		11.50	5.19	No odor / No sheen
	02/09/09	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		10.74	5.95	No odor / No sheen
	04/08/09	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		9.50	7.19	No odor / No sheen
	07/06/09	ns	ns	ns	ns	ns	ns	ns	ns		10.53	6.16	not sampled
	01/06/10	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		9.84	6.85	No odor / No sheen
	04/01/10	ns	ns	ns	ns	ns	ns	ns	ns		8.17	8.52	not sampled
	07/07/10	ns	ns	ns	ns	ns	ns	ns	ns		8.89	7.80	not sampled
	10/01/10	ns	ns	ns	ns	ns	ns	ns	ns		10.84	5.85	not sampled
	01/10/11	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		7.83	8.86	No odor / No sheen
	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns		7.21	9.48	not sampled
	07/07/11	ns	ns	ns	ns	ns	ns	ns	ns		8.63	8.06	not sampled
	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		9.33	7.36	not sampled
	01/09/12	<50 *	<50	<0.50	<0.50	<0.50	<0.50	0.54	<5.0		10.03	6.66	No odor / No sheen
		100	**100**	**1.0**	**40**	**30**	**20**	**5.0**	**12**	SF Bay RWQCB **Table A** ESLs (May 2008)			

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Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Well Number	Date	TPHd (ppb)	TPHg (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TBA (ppb)	TOC Elevation	Depth to GW	GW Elevation	Comments
MW-8	03/14/00	<50	150	<0.50	<0.50	<0.50	<0.50	220		18.61	8.38	10.23	No odor / No sheen
	06/07/00	<50	<50	<0.50	<0.50	<0.50	<0.50	220			10.74	7.87	No Comments
	08/29/00	<50	<50	<0.50	<0.50	<0.50	<0.50	140			11.77	6.84	No Comments
5' - 20'	11/29/00	<50	<50	<0.50	<0.50	<0.50	<0.50	9.5			11.37	7.24	No Comments
screen	03/29/01	<50	<50	<0.50	<0.50	<0.50	<0.50	87			10.02	8.59	No Comments
interval	06/14/01	<50	<50	<0.50	<0.50	<0.50	<0.50	110			11.56	7.05	No Comments
	08/22/01	<50	<50	<0.50	<0.50	<0.50	<0.50	89			12.24	6.37	No Comments
	11/27/01	810	120	<0.50	<0.50	<0.50	<0.50	35			10.33	8.28	No Comments
	03/18/02	160	93	<0.50	<0.50	<0.50	<0.50	64			9.35	11.04	No Comments
	04/24/02	------	------	-----	-----	-----	-----	-----		20.39			GPS surveying of well
	05/22/02	<50	<50	<0.50	<0.50	<0.50	<0.50	110			11.25	9.14	No Comments
	08/19/02	<50	<50	<0.50	<0.50	<0.50	<0.50	68			11.83	8.56	No Comments
	11/18/02	61	<50	<0.50	<0.50	<0.50	<0.50	53	<5.0		11.64	8.75	No Comments
	02/24/03	140	<50	<0.50	<0.50	<0.50	<0.50	47	<5.0		9.06	11.33	No Comments
	05/22/03	360	<50	<0.50	<0.50	<0.50	<0.50	56	<5.0		10.43	9.96	No Comments
	09/08/03	82	<50	<0.50	<0.50	<0.50	<0.50	58	<5.0		11.52	8.87	No Comments
	12/11/03	690	<50	<0.50	<0.50	<0.50	<0.50	19	<5.0		10.51	9.88	No Comments
	01/28/04	1,500	<50	<0.50	<0.50	<0.50	<0.50	3.1	<5.0		9.81	10.58	No odor / No sheen
	04/15/04	380	<50	<0.50	<0.50	<0.50	<0.50	30	<5.0		10.68	9.71	No odor / No sheen
	07/21/04	<50	<50	<0.50	<0.50	<0.50	<0.50	40	<5.0		11.63	8.76	No odor / No sheen
	10/26/04	230	<50	<0.50	<0.50	<0.50	<0.50	20	<5.0		11.72	8.67	No odor / No sheen
	01/13/05	190 #	<50	<0.50	1.6	<0.50	<0.50	<0.50	<5.0		7.95	12.44	No odor / No sheen
	04/07/05	130 #	<50	<0.50	<0.50	<0.50	<0.50	18	<5.0		9.06	11.33	No odor / No sheen
	07/05/05	110	<50	<0.50	<0.50	<0.50	<0.50	37	<5.0		10.95	9.44	No odor / No sheen
	10/17/05	53 #	<50	<0.50	<0.50	<0.50	<0.50	18	<5.0		11.87	8.52	No odor / No sheen
	01/17/06	160	<50	<0.50	<0.50	<0.50	<0.50	5.5	na		8.65	11.74	No odor / No sheen
	04/05/06	<50 *	<50	<0.50	<0.50	<0.50	<0.50	18	<5.0		7.32	13.07	No odor / No sheen
	07/17/06	61 *	<50	<0.50	<0.50	<0.50	<0.50	36	<5.0		11.21	9.18	No odor / No sheen
	10/26/06	<50 #	110	<0.50	<0.50	<0.50	<0.50	28	<5.0		12.28	8.11	No odor / No sheen
	01/05/07	<50 *	360	<0.50	<0.50	<0.50	<0.50	24	<5.0		9.94	10.45	No odor / No sheen
	04/10/07	80 *	<50	<0.50	<0.50	<0.50	<0.50	16	<5.0		10.05	10.34	No odor / No sheen
	07/06/07	<50*	<50	<0.50	<0.50	<0.50	<0.50	28	<5.0		12.29	8.10	No odor / No sheen
	11/08/07	120 *	<50	0.70	<0.50	<0.50	<0.50	7.9	<5.0		13.41	6.98	No odor / No sheen
	01/02/08	<50 *	<50	<0.50	<0.50	<0.50	<0.50	8.7	<5.0		11.09	9.30	No odor / No sheen
	04/24/08	71 *	<50	<0.50	<0.50	<0.50	<0.50	6.2	<5.0		11.20	9.19	No odor / No sheen
	07/11/08	<50 *	<50	<0.50	<0.50	<0.50	<0.50	4.6	<5.0		11.09	9.30	No odor / No sheen
	10/20/08	<50 *	<50	<0.50	<0.50	<0.50	<0.50	3.5	<5.0		12.40	7.99	No odor / No sheen
	02/09/09	<50 *	<50	<0.50	<0.50	<0.50	<0.50	2.2	<5.0		11.65	8.74	No odor / No sheen
	04/08/09	<50 *	<50	<0.50	<0.50	<0.50	<0.50	2.4	<5.0		10.25	10.14	No odor / No sheen
	07/06/09	<50 *	<50	<0.50	<0.50	<0.50	<0.50	2.1	<5.0		11.40	8.99	No odor / No sheen
	01/06/10	<50 *	<50	<0.50	<0.50	<0.50	<0.50	1.6	<5.0		10.78	9.61	No odor / No sheen
	04/01/10	ns	ns	ns	ns	ns	ns	ns	ns		9.03	11.36	not sampled
	07/07/10	<50*	<50	<0.50	<0.50	<0.50	<0.50	1.7	<5.0		9.73	10.66	No odor / No sheen
	10/01/10	ns	ns	ns	ns	ns	ns	ns	ns		11.73	8.66	not sampled
	01/10/11	<50 *	<50	<0.50	<0.50	<0.50	<0.50	1.1	<5.0		9.63	10.76	No odor / No sheen
	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns		8.08	12.31	not sampled
	07/07/11	<50 *	<50	<0.50	<0.50	<0.50	<0.50	0.93	<5.0		9.48	10.91	No odor / No sheen
	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		10.35	10.04	not sampled
	01/09/12	<50 *	<50	<0.50	<0.50	<0.50	<0.50	0.81	<5.0		10.99	9.40	No odor / No sheen
		100	**100**	**1.0**	**40**	**30**	**20**	**5.0**	**12**	SF Bay RWQCB **Table A** ESLs (May 2008)			

Table 1A - Historical Groundwater Monitoring Data
Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Well Number	Date	TPHd (ppb)	TPHg (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TBA (ppb)	TOC Elevation	Depth to GW	GW Elevation	Comments
RW-9	03/14/00	<2,000	32,000	7,900	290	940	2,700	1,600		18.57	8.04	10.53	No odor / No sheen
	06/07/00	<1,500	24,000	4,000	470	900	3,100	1,400			10.28	8.29	No Comments
	08/29/00	NS	NS	NS	NS	NS	NS	NS			NM	NM	DPE equipment on well
4' - 19'	11/29/00	<1,000	9,700	1,900	45	320	420	1,300			10.85	7.72	No Comments
screen	03/29/01	<4,000	31,000	6,500	230	900	1,000	3,100			9.56	9.01	No Comments
interval	06/14/01	<2,500	14,000	3,900	36	590	300	2,800			10.96	7.61	No Comments
	08/22/01	<3,000	15,000	5,700	<25	490	110	6,500			11.70	6.87	No Comments
	11/27/01	<2,000	11,000	3,800	22	410	63	4,500			10.05	8.52	No Comments
	03/18/02	<1,500	22,000	7,200	62	1,000	430	5,100			9.01	11.31	No Comments
	04/24/02	------	------	-----	-----	-----	-----	-----		20.32			GPS surveying of well
	05/22/02	<1,700	17,000	6,100	25	810	140	7,000			10.70	9.62	No Comments
	08/19/02	<1,000	7,500	2,200	<10	210	<10	3,000			11.36	8.96	No Comments
	11/18/02	<2,100	8,700	2,300	16	240	52	4,500	1,400		11.22	9.10	No Comments
	02/24/03	<1,100	3,300	560	5.8	61	13	1,200	470		8.75	11.57	No Comments
	05/22/03	<1,500	4,400	1,300	<5.0	66	<5.0	1,300	640		9.87	10.45	No Comments
	09/08/03	8,900	10,000	3,300	<20	280	26	6,800	1,600		11.02	9.30	No Comments
	12/11/03	2,300	9,200	2,800	14	130	24	4,400	1,400		10.01	10.31	No Comments
	01/29/04	610	1,900	520	5.2	26	28	700	240		9.23	11.09	Odor / No sheen
	04/16/04	<300	1,200	220	<1.5	7.0	3.1	590	180		10.14	10.18	Odor / No sheen
	07/22/04	<2,000	11,000	1,300	110	110	1,700	3,700	1,200		11.28	9.04	Odor / No sheen
	10/26/04	170	310	8.4	<1.5	<1.5	<1.5	540	210		11.08	9.24	Odor / No sheen
	01/14/05	<400	2,000	110	7.3	24	390	350	310		7.24	13.08	Odor / No sheen
	04/08/05	<400	1,000	140	1.0	6.5	8.3	650	310		8.55	11.77	Odor / No sheen
	07/06/05	<500	2,200	490	1.9	9.4	22	880	420		10.35	9.97	Odor / No sheen
	10/18/05	<200	920	120	<0.50	2.4	0.51	140	440		11.48	8.84	Odor / No sheen
	01/18/06	<1500	5,500	930	22	180	360	700	na		8.24	12.08	Odor / No sheen
	04/05/06	<50 *	490	9.6	<0.50	1.6	<0.50	140	540		7.10	13.22	Odor / No sheen
	07/18/06	<200 *	980	92	0.67	0.98	0.50	190	450		10.82	9.50	Odor / No sheen
	10/26/06	<50 *	800	84	<0.50	0.59	0.51	190	550		11.89	8.43	Odor / No sheen
	01/05/07	<80 *	570	18	<0.50	1.3	<0.50	78	230		8.98	11.34	Odor / No sheen
	04/10/07	<200 *	660	50	0.71	0.90	0.51	120	490		10.41	9.91	Odor / No sheen
	07/06/07	<300*	1,100	230	1.1	1.5	0.98	130	620		11.64	8.68	Odor / No sheen
	08/03/07	na	4,700	760	2.2	15	3.5	na	na		12.11	8.21	Well Resampled
	11/09/07	<300	870	55	0.94	1.2	1.2	61	460		12.86	7.46	Odor / No sheen
	01/03/08	<200	520	11	<0.50	0.68	<0.50	33	300		10.61	9.71	Odor / No sheen
	04/25/08	<400	810	19	0.53	1.1	<0.50	140	1,000		10.64	9.68	Odor / No sheen
	07/11/08	<800	3,300	540	2.4	2.6	2.8	1,200	1,800		10.52	9.80	Odor / No sheen
	10/21/08	<80 *	470	27	0.66	6.2	16	160	320		11.91	8.41	Post HVDPE sample
	02/10/09	<80 *	540	13	<0.50	0.65	<0.50	70	640		11.00	9.32	Slight odor / No sheen
	04/09/09	<200*	870	57	0.93	3.0	0.64	130	600		9.85	10.47	No odor / No sheen
	07/07/09	<200*	880	43	0.89	0.63	0.66	57	620		10.90	9.42	Slight odor / No sheen
	01/07/10	<50*	200	8.8	<0.50	1.7	<0.50	78	270		10.31	10.01	Post HVDPE sample
	04/01/10	<80*	610	51	0.72	8.3	0.75	120	540		8.71	11.61	Slight odor / No sheen
	07/08/10	<200*	760	36	0.86	1.5	0.64	95	380		9.43	10.89	Slight odor / No sheen
	10/01/10	<200*	1,200	40	0.97	0.79	0.78	160	900		11.25	9.07	Slight odor / No sheen
	01/11/11	<300*	3,100	300	1.8	94	45	310	680		8.35	11.97	Post HVDPE sample
	04/06/11	<80*	680	24	0.63	4.8	0.90	59	180		7.97	12.35	Slight odor / No sheen
	07/07/11	<50 *	700	22	0.73	<0.50	<0.50	12	110		9.18	11.14	Slight odor / No sheen
	10/19/11	<80*	330	5.6	<0.50	<0.50	<0.50	9.2	84		10.02	10.30	Slight odor / No sheen
	01/10/12	<50 *	370	5.5	<0.50	<0.50	<0.50	7.1	820		10.67	9.65	Slight odor / No sheen
		100	**100**	**1.0**	**40**	**30**	**20**	**5.0**	**12**	SF Bay RWQCB **Table A** ESLs (May 2008)			

Table 1A - Historical Groundwater Monitoring Data
Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Well Number	Date	TPHd (ppb)	TPHg (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TBA (ppb)	TOC Elevation	Depth to GW	GW Elevation	Comments
RW-10	03/14/00	4,500	<2000	<20	<20	<20	<20	11,000		18.51	7.35	11.16	No odor / No sheen
	06/07/00	230	<2000	<20	<20	<20	<20	9,900			9.55	8.96	No Comments
	08/29/00	350	<1000	<10	<10	<10	<10	6,300			10.63	7.88	No Comments
4' - 19'	11/29/00	840	<1000	<10	<10	<10	<10	8,000			10.12	8.39	No Comments
screen	03/29/01	1,400	<500	<5.0	<5.0	<5.0	<5.0	3,400			8.86	9.65	No Comments
interval	06/14/01	1,200	<500	<5.0	<5.0	<5.0	<5.0	3,800			10.22	8.29	No Comments
	08/22/01	1,300	<250	<2.5	<2.5	<2.5	<2.5	5,300			10.95	7.56	No Comments
	11/27/01	6,200	<1000	10	<10	<10	<10	4,000			9.24	9.27	No Comments
	03/18/02	2,900	<500	<5.0	<5.0	<5.0	<5.0	3,000			8.27	11.97	No Comments
	04/24/02	------	------	-----	-----	-----	-----	-----		20.24			GPS surveying of well
	05/22/02	930	<200	<2.0	<2.0	<2.0	<2.0	790			9.85	10.39	No Comments
	08/19/02	2,100	<500	<5.0	<5.0	<5.0	<5.0	2,400			10.67	9.57	No Comments
	11/18/02	290	<100	<1.0	<1.0	<1.0	<1.0	340	20		10.48	9.76	No Comments
	02/24/03	710	<50	<0.50	<0.50	<0.50	<0.50	1,500	200		8.03	12.21.	No Comments
	05/22/03	940	<200	<1.5	<1.5	<1.5	<1.5	540	38		9.11	11.13	No Comments
	09/08/03	2,100	<250	<2.5	<2.5	<2.5	<2.5	1,100	100		10.38	9.86	No Comments
	12/11/03	980	<100	<1.0	<1.0	<1.0	<1.0	550	80		9.20	11.04	No Comments
	01/29/04	1,600	<500	<3.0	<3.0	<3.0	<3.0	1,300	270		8.62	11.62	Odor / No sheen
	04/16/04	2,000	<250	8.0	<2.5	<2.5	<2.5	1,200	510		9.42	10.82	Odor / No sheen
	07/22/04	320	<50	<0.50	<0.50	<0.50	<0.50	360	110		10.29	9.95	Odor / No sheen
	10/26/04	1,300	310	<0.50	<0.50	<0.50	<0.50	430	340		10.37	9.87	No odor / No sheen
	01/14/05	1,400	300	<0.50	1.2	<0.50	<0.50	280	600		6.86	13.38	Odor / No sheen
	04/08/05	860	84	<0.50	<0.50	<0.50	<0.50	120	140		7.88	12.36	No odor / No sheen
	07/06/05	890	<50	<0.50	<0.50	<0.50	<0.50	87	140		9.75	10.49	No odor / No sheen
	10/18/05	380	<50	<0.50	<0.50	<0.50	<0.50	49	140		10.82	9.42	No odor / No sheen
	01/18/06	1,100	310	1.0	<0.50	<0.50	<0.50	63	na		7.50	12.74	Odor / No sheen
	04/05/06	<50 *	<50	<0.50	<0.50	<0.50	<0.50	31	250		6.52	13.72	No odor / No sheen
	07/18/06	<50 *	<50	<0.50	<0.50	<0.50	<0.50	2.1	<5.0		9.96	10.28	No odor / No sheen
	10/25/06	ns	ns	ns	ns	ns	ns	ns	ns		nm	nm	Ozone Sparge Well
	01/04/07	ns	ns	ns	ns	ns	ns	ns	ns		nm	nm	Ozone Sparge Well
	04/10/07	<50 *	<50	<0.50	<0.50	<0.50	<0.50	0.83	<5.0		9.84	10.40	No odor / No sheen
	07/05/07	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		11.24	9.00	No odor / No sheen
	11/08/07	120	<50	<0.50	<0.50	<0.50	<0.50	1.3	<5.0		13.07	7.17	No odor / No sheen
	01/02/08	<50 *	<50	<0.50	<0.50	<0.50	<0.50	3.3	na		9.76	10.48	No odor / No sheen
	04/24/08	<50 *	<50	<0.50	<0.50	<0.50	<0.50	5.2	7.5		9.94	10.30	No odor / No sheen
	07/11/08	290	<50	<0.50	<0.50	<0.50	<0.50	4.4	<5.0		10.05	10.19	No odor / No sheen
	10/21/08	<50 *	<50	<0.50	<0.50	<0.50	<0.50	7.4	<5.0		11.34	8.90	No odor / No sheen
	02/10/09	<50 *	<50	<0.50	<0.50	<0.50	<0.50	6.7	<5.0		10.40	9.84	No odor / No sheen
	04/09/09	<50 *	<50	<0.50	<0.50	<0.50	<0.50	6.2	<5.0		8.96	11.28	No odor / No sheen
	07/06/09	<50 *	<50	<0.50	<0.50	<0.50	<0.50	4.4	<5.0		10.27	9.97	No odor / No sheen
	01/07/10	<50 *	<50	<0.50	<0.50	<0.50	<0.50	2.9	<5.0		9.72	10.52	No odor / No sheen
	04/01/10	ns	ns	ns	ns	ns	ns	ns	ns		7.92	12.32	not sampled
	07/07/10	<50*	<50	<0.50	<0.50	<0.50	<0.50	2.2	<5.0		8.68	11.56	No odor / No sheen
	10/01/10	ns	ns	ns	ns	ns	ns	ns	ns		10.63	9.61	not sampled
	01/11/11	<50*	<50	<0.50	<0.50	<0.50	<0.50	1.6	<5.0		7.56	12.68	No odor / No sheen
	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns		7.11	13.13	not sampled
	07/07/11	<50*	<50	<0.50	<0.50	<0.50	<0.50	1.3	<5.0		8.43	11.81	No odor / No sheen
	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		9.38	10.86	not sampled
	01/10/12	<50 *	<50	<0.50	<0.50	<0.50	<0.50	1.6	<5.0		10.06	10.18	Slight odor / No sheen
		100	**100**	**1.0**	**40**	**30**	**20**	**5.0**	**12**	SF Bay RWQCB **Table A** ESLs (May 2008)			

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Tesoro Site No. 67093
2601 Lakeville Highway
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Well Number	Date	TPHd (ppb)	TPHg (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TBA (ppb)	TOC Elevation	Depth to GW	GW Elevation	Comments
RW-11	03/14/00	<50	210	16	5.3	4.4	16	8.3		18.05	7.86	10.19	No odor / No sheen
	06/07/00	<100	130	7.1	1.9	<0.50	3.6	310			10.07	7.98	No Comments
	08/29/00	<50	170	7.5	<0.50	0.52	3.0	600			11.42	6.63	No Comments
4' - 19'	11/29/00	16,000	92	0.50	<0.50	<0.50	0.82	2.7			10.70	7.35	No Comments
screen	03/29/01	27,000	58	3.0	1.7	0.66	3.2	5.5			9.33	8.72	No Comments
Interval	06/14/01	<100	220	3.1	1.0	0.63	6.7	59			10.84	7.21	No Comments
	08/22/01	<50	430	4.5	0.56	0.58	6.6	74			11.54	6.51	No Comments
	11/27/01	<50	170	<0.50	<0.50	<0.50	<0.50	210			9.82	8.23	No Comments
	03/18/02	6,800	300	<0.50	<0.50	<0.50	<0.50	120			8.83	10.96	No Comments
	04/24/02	------	------	-----	-----	-----	-----	-----		19.79			GPS surveying of well
	05/22/02	15,000	280	<0.50	<0.50	<0.50	<0.50	160			10.50	9.29	No Comments
	08/19/02	19,000	330	0.78	<0.50	<0.50	<0.50	200			11.22	8.57	No Comments
	11/18/02	67,000	270	<0.50	<0.50	<0.50	<0.50	140	25		11.08	8.71	No Comments
	02/24/03	4,100	480	0.93	<0.50	<0.50	<0.50	130	26		10.75	9.04	No Comments
	05/22/03	11,000	420	0.96	<0.50	<0.50	<0.50	120	21		9.70	10.09	No Comments
	09/08/03	1,100 #	<50	4.1	<0.50	1.2	0.59	110	9.1		10.86	8.93	No Comments
	12/11/03	940 #	360	1.2	<0.50	<0.50	<0.50	110	29		9.86	9.93	No Comments
	01/28/04	350 #	110	6.6	<0.50	3.1	1.9	61	6.1		8.62	11.17	Odor / No sheen
	04/15/04	16,000 #	100	3.0	10	0.72	0.52	24	5.7		9.95	9.84	Odor / No sheen
	07/22/04	3,000 #	130	<0.50	<0.50	<0.50	<0.50	2.8	<5.0		11.11	8.68	Odor / No sheen
	10/26/04	5,500 *	<50	0.71	<0.50	<0.50	<0.50	1.9	<5.0		10.91	8.88	Odor / No sheen
	01/13/05	17,000 #	57	0.95	7.8	<0.50	0.58	<0.50	<5.0		7.48	12.31	Odor / No sheen
	04/07/05	7,300 #	68	<0.50	1.2	<0.50	0.79	<0.50	<5.0		6.85	12.94	Odor / No sheen
	07/06/05	6,500 #	320	2.0	16	12	50	13	<5.0		10.01	9.78	No odor / No sheen
	10/17/05	5,200 #	240	<0.50	2.9	8.0	32	4.9	<5.0		11.02	8.77	No odor / No sheen
	01/17/06	6,800 #	60	0.64	<0.50	0.76	1.8	2.4	na		7.55	12.24	No odor / No sheen
	04/05/06	2,300 *	<50	<0.50	<0.50	<0.50	<0.50	3.3	<5.0		5.91	13.88	Slight odor / No sheen
	07/18/06	1,100 *	<50	<0.50	1.2	<0.50	<0.50	2.7	<5.0		10.36	9.43	No odor / No sheen
	10/26/06	6,400 #	50	<0.50	<0.50	<0.50	<0.50	4.5	7.6		10.93	8.86	No odor / No sheen
	01/05/07	610 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		8.87	10.92	No odor / No sheen
	04/10/07	1,600 *	<50	<0.50	0.54	<0.50	<0.50	6.6	5.9		10.04	9.75	No odor / No sheen
	07/06/07	2,200*	<50	<0.50	<0.50	<0.50	<0.50	2.1	<5.0		11.37	8.42	No odor / No sheen
	11/08/07	2,500 *	70	3.7	<0.50	<0.50	<0.50	7.5	10		12.47	7.32	No odor / No sheen
	01/02/08	3,400 *	55	<0.50	<0.50	<0.50	<0.50	5.7	9.0		10.21	9.58	No odor / No sheen
	04/25/08	5,000 *	60	1.4	<0.50	<0.50	<0.50	9.5	10		10.19	9.60	Odor / No sheen
	07/11/08	1,300 *	<50	0.77	<0.50	<0.50	<0.50	8.9	7.9		9.98	9.81	Slight odor / No sheen
	10/21/08	1,000 *	80	2.6	<0.50	1.9	1.8	2.1	<5.0		11.43	8.36	Post HVDPE sample
	02/10/09	2,000 *	<50	<0.50	<0.50	<0.50	<0.50	3.0	5.1		10.62	9.17	Slight odor / No sheen
	04/09/09	1,200*	52	3.4	<0.50	0.86	<0.50	2.9	<5.0		9.39	10.40	Slight odor / No sheen
	07/07/09	980*	<50	2.5	<0.50	0.56	<0.50	4.2	<5.0		10.51	9.28	Slight odor / No sheen
	01/07/10	110*	<50	3.0	<0.50	1.4	0.67	0.89	<5.0		9.84	9.95	Post HVDPE sample
	04/01/10	170*	69	5.3	0.66	3.8	1.7	2.0	<5.0		8.39	11.40	Slight odor / No sheen
	07/08/10	72*	<50	3.1	<0.50	1.7	<0.50	2.7	<5.0		9.00	10.79	Slight odor / No sheen
	10/01/10	640*	<50	0.80	<0.50	<0.50	<0.50	2.8	<5.0		10.83	8.96	Slight odor / No sheen
	01/11/11	<50*	60	1.1	<0.50	1.9	5.3	1.3	<5.0		8.08	11.71	Post HVDPE sample
	04/06/11	<50*	55	3.5	<0.50	3.3	0.56	3.3	<5.0		7.65	12.14	No odor / No sheen
	07/07/11	69*#	<50	1.5	<0.50	1.2	<0.50	2.7	<5.0		8.71	11.08	Slight odor / No sheen
	10/19/11	290*#	<50	<0.50	<0.50	<0.50	<0.50	2.5	<5.0		9.57	10.22	Slight odor / No sheen
	01/10/12	100*#	<50	<0.50	<0.50	<0.50	<0.50	2.9	<5.0		10.22	9.57	Slight odor / No sheen
		100	**100**	**1.0**	**40**	**30**	**20**	**5.0**	**12**	SF Bay RWQCB **Table A** ESLs (May 2008)			

Table 1A - Historical Groundwater Monitoring Data
Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Well Number	Date	TPHd (ppb)	TPHg (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TBA (ppb)	TOC Elevation	Depth to GW	GW Elevation	Comments
OS-1	07/24/03	60	<50	<0.50	<0.50	0.51	1.4	<0.50	<5.0	nm	9.16	nc	No odor / No sheen
20' - 23'	10/25/04	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		13.25	nc	No odor / No sheen
screen	01/13/05	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
interval	04/07/05	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	04/22/05	61	170	<0.50	54	<0.50	0.60	<0.50	<5.0		8.35	nc	No odor / No sheen
	07/05/05	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	10/17/05	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	01/17/06	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	04/05/06	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	na		5.29	nc	No odor / No sheen
	07/18/06	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		9.13	nc	No odor / No sheen
	10/25/06	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	01/04/07	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	04/10/07	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		9.73	nc	No odor / No sheen
	07/05/07	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	11/08/07	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		14.69	nc	No odor / No sheen
	01/02/08	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	04/24/08	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	07/10/08	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	10/20/08	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	inaccessible due to vehicle
	02/09/09	ns	ns	ns	ns	ns	ns	ns	ns		10.89	nc	not sampled
	04/08/09	ns	ns	ns	ns	ns	ns	ns	ns		8.12	nc	not sampled
	07/06/09	ns	ns	ns	ns	ns	ns	ns	ns		9.32	nc	not sampled
	01/06/10	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	04/01/10	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	07/08/10	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	10/01/10	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	01/10/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	07/07/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	01/09/12	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
OS-2	07/24/03	68	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	nm	9.67	nc	No odor / No sheen
19.5' - 22.5'	10/25/04	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		10.81	nc	No odor / No sheen
screen	01/13/05	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
interval	04/07/05	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	04/22/05	<50	<50	<0.50	5.8	<0.50	<0.50	<0.50	<5.0		9.00	nc	No odor / No sheen
	07/05/05	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	10/17/05	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	01/17/06	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	04/05/06	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	na		6.37	nc	No odor / No sheen
	07/18/06	<50	<50	2.5	<0.50	<0.50	<0.50	1.8	<0.50		nm	nc	Ozone Sparge Well
	10/25/06	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	01/04/07	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	04/10/07	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		9.74	nc	No odor / No sheen
	07/05/07	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	11/08/07	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		12.61	nc	No odor / No sheen
	01/02/08	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	04/24/08	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	07/10/08	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	10/21/08	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		11.28	nc	No odor / No sheen
	02/09/09	ns	ns	ns	ns	ns	ns	ns	ns		11.02	nc	not sampled
	04/08/09	ns	ns	ns	ns	ns	ns	ns	ns		9.17	nc	not sampled
	07/06/09	ns	ns	ns	ns	ns	ns	ns	ns		10.28	nc	not sampled
	01/06/10	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	04/01/10	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	07/08/10	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	10/01/10	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	01/10/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	07/07/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	01/09/12	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled

Table 1A - Historical Groundwater Monitoring Data
Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Well Number	Date	TPHd (ppb)	TPHg (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TBA (ppb)	TOC Elevation	Depth to GW	GW Elevation	Comments
OS-3	07/24/03	<200	560	14	0.88	2.7	30	2.7	<5.0	nm	10.65	nc	No odor / No sheen
20.5' - 23.5'	10/25/04	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		13.29	nc	No odor / No sheen
screen	01/13/05	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
interval	04/07/05	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	04/22/05	83	60	<0.50	5.7	<0.50	<0.50	<0.50	<5.0		9.30	nc	No odor / No sheen
	07/05/05	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	10/17/05	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	01/17/06	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	04/05/06	<50 *	<50	<0.50	<0.50	<0.50	<0.50	2.2	na		6.84	nc	No odor / No sheen
	07/18/06	<50 *	67	4.9	0.85	<0.50	<0.50	8.6	<5.0		10.44	nc	No odor / No sheen
	10/25/06	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	01/04/07	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	04/10/07	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		10.29	nc	No odor / No sheen
	07/05/07	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	11/08/07	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		12.77	nc	No odor / No sheen
	01/02/08	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	04/24/08	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	07/10/08	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	10/21/08	<50 *	<50	<0.50	<0.50	<0.50	<0.50	0.58	<5.0		11.70	nc	No odor / No sheen
	02/09/09	ns	ns	ns	ns	ns	ns	ns	ns		10.71	nc	not sampled
	04/08/09	ns	ns	ns	ns	ns	ns	ns	ns		9.55	nc	not sampled
	07/06/09	ns	ns	ns	ns	ns	ns	ns	ns		10.71	nc	not sampled
	01/06/10	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	04/01/10	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	07/08/10	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	10/01/10	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	01/10/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	07/07/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	01/09/12	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
OS-4	07/24/03	<200	390	0.68	<0.50	0.69	2.1	150	5.6 J	nm	10.31	nc	No odor / No sheen
20.5' - 23.5'	10/25/04	56 *	<50	<0.50	1.9	<0.50	<0.50	<0.50	<5.0		10.26	nc	No odor / No sheen
screen	01/13/05	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
interval	04/07/05	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	04/22/05	66	140	<0.50	5.4	<0.50	<0.50	<0.50	<5.0		8.77	nc	No odor / No sheen
	07/05/05	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	10/17/05	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	01/17/06	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	04/06/06	70 *	79 ##	<0.50	<0.50	<0.50	<0.50	<0.50	na		6.33	nc	No odor / No sheen
	07/18/06	<50 *	<50	4.2	<0.50	<0.50	<0.50	<0.50	<5.0		9.86	nc	No odor / No sheen
	10/25/06	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	01/04/07	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	04/10/07	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		9.80	nc	No odor / No sheen
	07/05/07	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	11/08/07	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		13.57	nc	No odor / No sheen
	01/02/08	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	04/24/08	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	07/10/08	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	10/21/08	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		11.08	nc	No odor / No sheen
	02/09/09	ns	ns	ns	ns	ns	ns	ns	ns		10.48	nc	not sampled
	04/08/09	ns	ns	ns	ns	ns	ns	ns	ns		9.03	nc	not sampled
	07/06/09	ns	ns	ns	ns	ns	ns	ns	ns		10.10	nc	not sampled
	01/06/10	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	04/01/10	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	07/08/10	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	10/01/10	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	01/10/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	07/07/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	01/09/12	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled

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Petaluma, California

Well Number	Date	TPHd (ppb)	TPHg (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TBA (ppb)	TOC Elevation	Depth to GW	GW Elevation	Comments
OS-5	07/24/03	<300	1,400	26	1.7	17	46	180	<5.0	nm	11.08	nc	No odor / No sheen
21.5' - 24.5'	10/25/04	<50 *	76	<0.50	3.6	<0.50	<0.50	9.0	<5.0		11.30	nc	No odor / No sheen
screen	01/13/05	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
interval	04/07/05	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	04/22/05	110	98	<0.50	6.0	<0.50	<0.50	68	5.0		9.80	nc	No odor / No sheen
	07/05/05	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	10/17/05	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	01/17/06	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	04/06/06	<50 *	<50	2.0	<0.50	<0.50	<0.50	5.6	na		7.06	nc	Odor / No sheen
	07/18/06	<50 *	<50	<0.50	<0.50	<0.50	<0.50	13	<5.0		10.94	nc	No odor / No sheen
	10/25/06	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	01/04/07	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	04/10/07	<50 *	<50	<0.50	<0.50	<0.50	<0.50	3.5	<5.0		10.78	nc	No odor / No sheen
	07/05/07	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	11/08/07	390	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		13.47	nc	No odor / No sheen
	01/02/08	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	04/24/08	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	07/10/08	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	10/21/08	<50 *	<50	<0.50	<0.50	<0.50	<0.50	3.5	7.8		12.05	nc	No odor / No sheen
	02/09/09	ns	ns	ns	ns	ns	ns	ns	ns		11.70	nc	not sampled
	04/08/09	ns	ns	ns	ns	ns	ns	ns	ns		9.97	nc	not sampled
	07/06/09	ns	ns	ns	ns	ns	ns	ns	ns		11.03	nc	not sampled
	01/06/10	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	04/01/10	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	07/08/10	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	10/01/10	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	01/10/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	07/07/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	01/09/12	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
OS-6B	07/24/03	98	<50	<0.50	0.79	<0.50	<0.50	10	<5.0	nm	31.53	nc	No Odor, No Sheen
	12/11/03	86 #	<50	<0.50	<0.50	<0.50	<0.50	1.3	<5.0		34.85	nc	No Comments
79' - 84'	01/28/04	270 #	77	<0.50	5.6	<0.50	<0.50	15	<5.0		43.48	nc	No odor / No sheen
screen	04/15/04	54	<50	<0.50	<0.50	<0.50	<0.50	17	<5.0		39.49	nc	No odor / No sheen
interval	07/21/04	<50	<50	<0.50	<0.50	<0.50	<0.50	1.5	<5.0		74.33	nc	Ozone Sparge Well
	10/25/04	<50	<50	<0.50	<0.50	<0.50	<0.50	3.6	<5.0		71.65	nc	No odor / No sheen
	01/14/05	<50	<50	<0.50	<0.50	<0.50	<0.50	13	<5.0		55.65	nc	No odor / No sheen
	04/07/05	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	04/22/05	270	66	<0.50	15	<0.50	<0.50	1.1	<5.0		38.56	nc	No odor / No sheen
	07/25/05	<50	<50	<0.50	<0.50	<0.50	<0.50	20	<5.0		29.60	nc	No odor / No sheen
	10/17/05	160 #	<50	<0.50	<0.50	<0.50	<0.50	17	<5.0		28.47	nc	No odor / No sheen
	01/18/06	<50	85	5.2	0.93	3.8	8.1	16	na		38.72	nc	Slight odor / No sheen
	04/05/06	<50 *	<50	1.0	<0.50	<0.50	<0.50	7.4	na		32.57	nc	Slight odor / No sheen
	07/18/06	<50 *	<50	<0.50	<0.50	<0.50	<0.50	5.7	<5.0		58.01	nc	No odor / No sheen
	10/25/06	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	01/04/07	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	04/10/07	<50 *	<50	<0.50	<0.50	<0.50	<0.50	0.88	<5.0		38.18	nc	No odor / No sheen
	07/05/07	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	Ozone Sparge Well
	11/08/07	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		64.17	nc	No odor / No sheen
	01/02/08	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	na		36.78	nc	No odor / No sheen
	04/24/08	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		37.46	nc	No odor / No sheen
	07/11/08	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		36.68	nc	No odor / No sheen
	10/20/08	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		27.73	nc	No odor / No sheen
	02/09/09	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		31.03	nc	No odor / No sheen
	04/08/09	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		33.86	nc	No odor / No sheen
	07/07/09	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		26.55	nc	No odor / No sheen
	01/06/10	<50 *	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		29.79	nc	No odor / No sheen
	04/01/10	ns	ns	ns	ns	ns	ns	ns	ns		27.77	nc	not sampled
	07/07/10	<50*	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		27.53	nc	No odor / No sheen
	10/01/10	ns	ns	ns	ns	ns	ns	ns	ns		33.35	nc	not sampled
	01/10/11	<50*	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		25.92	nc	No odor / No sheen
	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns		21.83	nc	not sampled
	07/07/11	<50*	<50	<0.50	<0.50	<0.50	<0.50	0.60	<5.0		27.85	nc	No odor / No sheen
	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		28.58	nc	not sampled
	01/09/12	<50 *	<50	<0.50	<0.50	<0.50	<0.50	1.6	<5.0		28.75	nc	No odor / No sheen

Table 1A - Historical Groundwater Monitoring Data
Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Well Number	Date	TPHd (ppb)	TPHg (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TBA (ppb)	TOC Elevation	Depth to GW	GW Elevation	Comments
Casa	03/29/01	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50					No Comments
de	06/14/01	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50					No Comments
Arroyo	08/22/01	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50					No Comments
City	11/27/01	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50					13:40 sample time
Well	03/18/02	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50					11:40 sample time
	05/22/02	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50					09:10 sample time
	8/19/022	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50					13:25 sample time
89' - 149'	11/18/02	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0				13:36 sample time
209' - 229'	02/24/03	67 #	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0				14:45 sample time
screen	03/26/03	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0				06:10 sample time
interval	05/22/03	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0				12:40 sample time
	09/08/03	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0				15:45 sample time
	12/11/03	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0				14:40 sample time
	01/28/04	ns	ns	ns	ns	ns	ns	ns	ns				not sampled
	04/15/04	100	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0				12:00 sample time
	05/27/04	<50	na	na	na	na	na	na	na				City Well resampled
	07/21/04	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		39.35		No Comments
	10/25/04	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		35.55		No Comments
	01/14/05	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		33.12		No Comments
	04/07/05	ns	ns	ns	ns	ns	ns	ns	ns				not sampled
	07/05/05	ns	ns	ns	ns	ns	ns	ns	ns				not sampled
	10/17/05	ns	ns	ns	ns	ns	ns	ns	ns				not sampled
	01/18/06	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	na		32.03		11:50 sample time
	04/04/06	ns	ns	ns	ns	ns	ns	ns	ns				not sampled
	07/17/06	ns	ns	ns	ns	ns	ns	ns	ns				not sampled
	10/25/06	ns	ns	ns	ns	ns	ns	ns	ns				not sampled
	01/04/07	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	na		37.52		No odor / No sheen
	04/10/07	ns	ns	ns	ns	ns	ns	ns	ns				not sampled
	07/05/07	ns	ns	ns	ns	ns	ns	ns	ns				not sampled
	11/07/07	ns	ns	ns	ns	ns	ns	ns	ns				not sampled
	01/02/08	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	na		33.87		No Comments
	04/24/08	ns	ns	ns	ns	ns	ns	ns	ns		nm		not sampled
	07/10/08	ns	ns	ns	ns	ns	ns	ns	ns		nm		not sampled
	10/20/08	ns	ns	ns	ns	ns	ns	ns	ns		nm		not sampled
	02/09/09	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	na		37.85		No Comments
	04/08/09	ns	ns	ns	ns	ns	ns	ns	ns		nm		not sampled
	07/06/09	ns	ns	ns	ns	ns	ns	ns	ns		37.85		not sampled
	01/06/10	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		29.10		No odor / No sheen
	04/01/10	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	07/08/10	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	10/01/10	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	01/10/11	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		31.62	nc	No odor / No sheen
	04/06/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	07/07/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	10/19/11	ns	ns	ns	ns	ns	ns	ns	ns		nm	nc	not sampled
	01/09/12	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0		nm	nc	No odor / No sheen

Notes:

TPHd = total petroleum hydrocarbons as diesel
TPHg = total petroleum hydrocarbons as gasoline
B = benzene
T = toluene
E = ethylbenzene
X = xylenes
MTBE = methyl tertiary-butyl ether

# = not typical diesel chromatographic pattern
J = may be biased slightly high
* = silica gel value reported
= not typical gasoline chromatographic pattern
ppb = parts per billion
< = less than indicated detection level

GW = GroundWater
TOC = Top of Casing
Depths and Elevations recorded in feet
na = not analyzed
nm = not measured
ns = not sampled

Well casings resurveyed in April 2002 with Global Positioning System (GPS) coordinates.

SF Bay RWQCB ESLs: Table A Environmental Screening Levels for Groundwater when Groundwater is a Potential Source of Drinking Water with impacted soils less than or equal to 3 meters (approx. 10 feet) in depth

TABLE 2A
OZONE SPARGE SYSTEM PERFORMANCE DATA
Tesoro Site No. 67093
2601 Lakeville Highway, Petaluma, California

DATE MONITORED	PERIODIC DAYS OF OPERATION	Sparge Well	Periodic Operation HOURS	Cumulative Operation HOURS	Air FLOW CFH	Ozone Generated Grams / Hour	Periodic Ozone in Pounds	Cumulative Ozone in Pounds
5/3/2004	START		0.0	0.0	0.0	0.0	0.0	0.0
5/3/2004	0	OS-1	1.42	1.42	5.5	26	0.08	0.08
		OS-2	0.80	0.80	5.5	26	0.05	0.05
		OS-3	0.58	0.58	5.5	26	0.03	0.03
		OS-4	0.62	0.62	5.5	26	0.04	0.04
		OS-5	0.85	0.85	5.5	26	0.05	0.05
		OS-6B	0.77	0.77	5.5	26	0.04	0.04
6/14/2004	35	OS-1	35.50	36.30	4.5	26	2.02	2.10
		OS-2	35.05	35.63	5.0	26	2.00	2.04
		OS-3	34.55	35.17	5.0	26	1.97	2.00
		OS-4	34.10	34.95	5.0	26	1.94	1.98
		OS-5	34.41	35.18	5.0	26	1.96	2.01
		OS-6B	34.33	35.10	5.0	26	1.96	2.00
6/16/2004	2	OS-1	5.99	41.62	5.0	26	0.34	2.45
		OS-2	4.88	40.05	5.0	26	0.28	2.32
		OS-3	4.52	39.47	5.0	26	0.26	2.26
		OS-4	4.09	39.27	5.0	26	0.23	2.21
		OS-5	4.35	39.45	5.0	26	0.25	2.26
		OS-6B	5.22	40.32	5.0	26	0.30	2.30
6/21/2004	5	OS-1	17.40	57.45	5.0	26	0.99	3.44
		OS-2	15.96	55.43	5.0	26	0.91	3.23
		OS-3	15.56	54.83	5.0	26	0.89	3.15
		OS-4	15.18	54.63	5.0	26	0.87	3.08
		OS-5	14.50	54.82	5.0	26	0.83	3.08
		OS-6B	15.36	55.68	5.0	26	0.88	3.17
7/6/2004	15	OS-1	50.6	106	4.0	26	2.88	6.32
		OS-2	49.2	104	3.5	26	2.80	6.03
		OS-3	47.4	102	3.0	26	2.70	5.85
		OS-4	47.2	102	3.5	26	2.69	5.77
		OS-5	46.3	102	2.5	26	2.64	5.72
		OS-6B	47.3	103	1.0	26	2.70	5.87
7/21/2004	15	OS-1	51.5	155.50	5.0	26	2.94	9.26
		OS-2	49.9	151.90	6.0	26	2.84	8.88
		OS-3	48.4	150.38	6.5	26	2.76	8.60
		OS-4	48.0	150.00	6.0	26	2.74	8.50
		OS-5	47.3	150.33	6.0	26	2.70	8.42
		OS-6B	49.5	152.50	6.5	26	2.82	8.69
						Total =	**52.4**	pounds

Total Days Since 05 / 03 / 04 = 72

Total Days of Operation Since 05 / 03 / 04 = **38** 53.2%

NOTES:
SCFM = Standard Cubic Feet per Minute
CFH = Cubic Feet per Hour

Calculations: pounds of ozone = (hours x 26 grams of ozone per hour) / 454 grams per pound
pounds of ozone = # hours x 0.057-pound per hour

TABLE 2A
OZONE SPARGE SYSTEM PERFORMANCE DATA
Tesoro Site No. 67093
2601 Lakeville Highway, Petaluma, California

DATE MONITORED	PERIODIC DAYS OF OPERATION	Sparge Well	Periodic Operation HOURS	Cumulative Operation HOURS	Air FLOW CFH	Ozone Generated Grams / Hour	Periodic Ozone in Pounds	Cumulative Ozone in Pounds
8/4/2004	16	OS-1	44.5	200	4.5	26	2.54	11.79
		OS-2	44.1	196	4.5	26	2.51	11.39
		OS-3	43.6	194	4.5	26	2.49	11.09
		OS-4	44.0	194	4.5	26	2.51	11.01
		OS-5	43.7	194	4.5	26	2.49	10.91
		OS-6B	43.5	196	4.5	26	2.48	11.17
8/18/2004	14	OS-1	45	245	4.5	26	2.57	14.36
		OS-2	45	241	4.5	26	2.57	13.96
		OS-3	45	239	4.5	26	2.57	13.66
		OS-4	44	238	4.5	26	2.51	13.52
		OS-5	45	239	4.5	26	2.57	13.48
		OS-6B	45	241	4.5	26	2.57	13.74
9/2/2004	15	OS-1	48	293	4.0	26	2.74	17.09
		OS-2	48	289	4.0	26	2.74	16.69
		OS-3	48	287	4.0	26	2.74	16.39
		OS-4	48	286	4.0	26	2.74	16.25
		OS-5	48	287	4.0	26	2.74	16.21
		OS-6B	48	289	4.0	26	2.74	16.47
9/21/2004	19	OS-1	1.0	294	7.0	26	0.06	17.15
		OS-2	0.0	289	7.0	26	0.00	16.69
		OS-3	182	469	7.0	26	10.37	26.77
		OS-4	31	317	7.0	26	1.77	18.02
		OS-5	15	302	7.0	26	0.86	17.07
		OS-6B	61	350	7.0	26	3.48	19.95
10/8/2004	18	OS-1	54	348	4.5	26	3.08	20.23
		OS-2	14	303	4.5	26	0.80	17.49
		OS-3	85	85	4.5	26	4.85	31.61
		OS-4	27	344	4.5	26	1.54	19.56
		OS-5	14	316	4.5	26	0.80	17.87
		OS-6B	54	404	4.5	26	3.08	23.03
10/25/2004	17	OS-1	46.2	394.15	5.0	26	2.63	22.86
		OS-2	11.0	314.03	5.0	26	0.63	18.12
		OS-3	137.0	222.03	5.0	26	7.81	39.42
		OS-4	91.0	435.03	5.0	26	5.19	24.75
		OS-5	11.4	327.40	5.0	26	0.65	18.52
		OS-6B	46.0	449.97	5.0	26	2.62	25.65
						Total =	**149.3**	pounds

Total Days Since 05 / 03 / 04 = 171

Total Days of Operation Since 05 / 03 / 04 = **109** 63.8%

NOTES:
SCFM = Standard Cubic Feet per Minute
CFH = Cubic Feet per Hour

Calculations: pounds of ozone = (hours x 26 grams of ozone per hour) / 454 grams per pound
pounds of ozone = # hours x 0.057-pound per hour

TABLE 2A
OZONE SPARGE SYSTEM PERFORMANCE DATA
Tesoro Site No. 67093
2601 Lakeville Highway, Petaluma, California

DATE MONITORED	PERIODIC DAYS OF OPERATION	Sparge Well	Periodic Operation HOURS	Cumulative Operation HOURS	Air FLOW CFH	Ozone Generated Grams / Hour	Periodic Ozone in Pounds	Cumulative Ozone in Pounds
12/16/2004	52	OS-1	137.9	532	4.5	26	7.86	30.72
		OS-2	35.0	349	4.5	26	1.99	20.11
		OS-3	92.0	92	4.5	26	5.24	44.67
		OS-4	165.0	165	4.5	26	9.41	34.15
		OS-5	34.6	362	4.5	26	1.97	20.49
		OS-6B	42.0	42	4.5	26	2.39	28.04
12/29/2004	13	OS-1	36.0	23	4.5	26	2.05	32.77
		OS-2	1.0	350	4.5	26	0.06	20.17
		OS-3	111.0	203	4.5	26	6.33	50.99
		OS-4	74.0	239	4.5	26	4.22	38.37
		OS-5	9.0	371	4.5	26	0.51	21.00
		OS-6B	37.0	79	4.5	26	2.11	30.15
1/13/2005	15	OS-1	37.8	60.8	3.25	26	2.15	34.92
		OS-2	18.0	368.0	3.25	26	1.03	21.20
		OS-3	110.9	313.9	3.25	26	6.32	57.31
		OS-4	73.8	312.8	3.25	26	4.21	42.58
		OS-5	9.3	380.3	3.25	26	0.53	21.53
		OS-6B	36.9	115.9	3.50	26	2.10	32.25
2/11/2005	29	OS-1	74.7	135.47	3.5	26	4.26	39.18
		OS-2	18.7	386.67	3.5	26	1.06	22.26
		OS-3	224.0	537.92	3.5	26	12.77	70.08
		OS-4	149.4	462.17	3.5	26	8.51	51.09
		OS-5	18.7	399.02	3.5	26	1.07	22.60
		OS-6B	75.0	190.87	3.5	26	4.27	36.53
3/3/2005	20	OS-1	53.33	188.80	2.75	26	3.04	42.22
		OS-2	13.33	400.00	2.75	26	0.76	23.02
		OS-3	158.88	151.80	2.75	26	9.06	79.14
		OS-4	105.55	22.72	2.75	26	6.02	57.11
		OS-5	13.33	412.35	2.75	26	0.76	23.36
		OS-6B	53.33	244.20	2.75	26	3.04	39.57
3/16/2005	13	OS-1	31.37	220.17	2.5	26	1.79	44.01
		OS-2	7.85	407.85	2.5	26	0.45	23.47
		OS-3	93.65	245.45	2.5	26	5.34	84.48
		OS-4	62.01	84.73	2.5	26	3.53	60.64
		OS-5	23.25	435.60	2.5	26	1.33	24.68
		OS-6B	47.17	291.37	2.5	26	2.69	42.26
3/23/2005	7	OS-1	17.00	237.17	2.25	26	0.97	44.98
		OS-2	4.17	412.02	2.25	26	0.24	23.71
		OS-3	50.00	295.45	2.25	26	2.85	87.33
		OS-4	33.34	118.07	2.25	26	1.90	62.54
		OS-5	12.50	448.10	2.25	26	0.71	25.40
		OS-6B	25.00	316.37	2.25	26	1.43	43.68
						Total =	**287.6**	pounds

Total Days Since 05 / 03 / 04 = 320

Total Days of Operation Since 05 / 03 / 04 = **210** 65.7%

NOTES:
SCFM = Standard Cubic Feet per Minute
CFH = Cubic Feet per Hour

Calculations: pounds of ozone = (hours x 26 grams of ozone per hour) / 454 grams per pound
pounds of ozone = # hours x 0.057-pound per hour

TABLE 2A
OZONE SPARGE SYSTEM PERFORMANCE DATA
Tesoro Site No. 67093
2601 Lakeville Highway, Petaluma, California

DATE MONITORED	PERIODIC DAYS OF OPERATION	Sparge Well	Periodic Operation HOURS	Cumulative Operation HOURS	Air FLOW CFH	Ozone Generated Grams / Hour	Periodic Ozone in Pounds	Cumulative Ozone in Pounds
4/7/2005	15	OS-1	35.76	272.93	2.5	26	2.04	47.01
		OS-2	9.11	421.13	2.5	26	0.52	24.22
		OS-3	108.20	403.65	2.5	26	6.17	93.49
		OS-4	71.95	190.02	2.5	26	4.10	66.65
		OS-5	26.78	474.88	2.5	26	1.53	26.92
		OS-6B	53.50	369.87	2.5	26	3.05	46.73
4/21/2005	14	OS-1	34.15	307.08	2.0	26	1.95	48.96
		OS-2	8.55	429.68	2.0	26	0.49	24.71
		OS-3	102.03	505.68	2.0	26	5.82	99.31
		OS-4	68.03	258.05	2.0	26	3.88	70.52
		OS-5	25.69	500.57	2.0	26	1.46	28.39
		OS-6B	51.50	421.37	2.0	26	2.94	49.67
5/16/2005	26	OS-1	57.70	364.78	2.75	26	3.29	52.25
		OS-2	14.44	444.12	2.5	26	0.82	25.53
		OS-3	126.90	87.58	2.5	26	7.23	106.54
		OS-4	115.33	373.38	2.5	26	6.57	77.10
		OS-5	43.25	543.82	2.5	26	2.47	30.85
		OS-6B	86.51	507.88	2.5	26	4.93	54.60
5/16/2005				System	Shut	Down		
8/9/2005				System		Re started		
8/9/2005	0	OS-1	1.18	365.96	0.0	26	0.07	52.32
		OS-2	1.06	445.18	7.5	26	0.06	25.60
		OS-3	0.10	136.05	7.5	26	0.01	106.55
		OS-4	0.08	373.46	7.5	26	0.00	77.10
		OS-5	0.03	543.85	7.5	26	0.00	30.85
		OS-6B	0.29	508.17	7.3	26	0.02	54.61
8/17/2005	8	OS-1	0.00	365.96	0.0	26	0.00	52.32
		OS-2	5.37	450.55	4.5	26	0.31	25.90
		OS-3	63.65	199.70	4.5	26	3.63	110.18
		OS-4	41.94	415.40	5.0	26	2.39	79.49
		OS-5	14.29	13.14	5.0	26	0.81	31.67
		OS-6B	31.26	539.43	4.8	26	1.78	56.40
8/29/2005	12	OS-1	0.00	365.96	0.0	26	0.00	52.32
		OS-2	7.97	458.52	6.0	26	0.45	26.36
		OS-3	97.00	296.70	6.0	26	5.53	115.71
		OS-4	64.52	479.92	6.0	26	3.68	83.17
		OS-5	24.11	37.25	6.0	26	1.37	33.04
		OS-6B	47.50	41.93	6.0	26	2.71	59.10
9/13/2005	16	OS-1	0.00	365.96	0.0	26	0.00	52.32
		OS-2	10.03	468.55	4.5	26	0.57	26.93
		OS-3	120.02	416.72	4.5	26	6.84	122.55
		OS-4	78.58	13.50	4.5	26	4.48	87.65
		OS-5	29.77	67.02	4.5	26	1.70	34.74
		OS-6B	59.99	101.92	4.5	26	3.42	62.52
9/29/2005	16	OS-1	0.00	365.96	0.0	26	0.00	52.32
		OS-2	10.70	479.25	3.0	26	0.61	27.54
		OS-3	127.10	543.82	3.0	26	7.24	129.79
		OS-4	84.67	98.17	3.0	26	4.83	92.48
		OS-5	31.75	98.77	3.0	26	1.81	36.55
		OS-6B	63.50	165.42	3.0	26	3.62	66.14
						Total =	**404.8**	pounds

Total Days Since 05 / 03 / 04 = 427

Total Days of Operation Since 05 / 03 / 04 = **296** 69%

TABLE 2A
OZONE SPARGE SYSTEM PERFORMANCE DATA
Tesoro Site No. 67093
2601 Lakeville Highway, Petaluma, California

DATE MONITORED	PERIODIC DAYS OF OPERATION	Sparge Well	Periodic Operation HOURS	Cumulative Operation HOURS	Air FLOW CFH	Ozone Generated Grams / Hour	Periodic Ozone in Pounds	Cumulative Ozone in Pounds
10/17/2005	19	OS-1	2.39	368.35	6.0	26	0.14	59.24
		OS-2	11.93	491.18	6.0	26	0.68	53.00
		OS-3	97.76	141.58	6.0	26	5.57	32.50
		OS-4	96.01	194.18	6.0	26	5.47	128.02
		OS-5	35.75	134.52	6.0	26	2.04	89.69
		OS-6B	71.51	236.93	6.0	26	4.08	38.81
10/27/2005	10	OS-1	1.33	369.68	6.0	26	0.08	59.32
		OS-2	6.67	497.85	6.0	26	0.38	53.38
		OS-3	79.10	220.68	6.0	26	4.51	37.01
		OS-4	52.67	246.85	6.0	26	3.00	131.02
		OS-5	20.00	154.52	6.0	26	1.14	90.83
		OS-6B	39.50	276.43	6.0	26	2.25	41.07
11/9/2005	13	OS-1	1.74	371.42	6.0	26	0.10	59.41
		OS-2	8.57	506.42	6.0	26	0.49	53.87
		OS-3	103.90	324.58	6.0	26	5.92	42.93
		OS-4	69.35	316.20	6.0	26	3.95	134.98
		OS-5	26.00	180.52	6.0	26	1.48	92.31
		OS-6B	52.00	328.43	6.0	26	2.96	44.03
11/21/2005	12	OS-1	1.60	373.02	6.0	26	0.09	59.51
		OS-2	8.00	514.42	6.0	26	0.46	54.32
		OS-3	95.84	420.42	6.0	26	5.46	48.39
		OS-4	63.33	379.53	6.0	26	3.61	138.59
		OS-5	23.75	204.27	6.0	26	1.35	93.66
		OS-6B	47.50	375.93	6.0	26	2.71	46.74
12/8/2005	17	OS-1	2.23	375.25	6.0	26	0.13	59.63
		OS-2	11.24	525.66	6.0	26	0.64	54.96
		OS-3	88.43	8.85	6.0	26	5.04	53.43
		OS-4	89.90	469.43	6.0	26	5.12	143.71
		OS-5	33.50	237.77	6.0	26	1.91	95.57
		OS-6B	67.00	442.93	6.0	26	3.82	50.56
12/19/2005	11	OS-1	1.37	376.62	6.0	26	0.08	59.71
		OS-2	1.39	527.05	6.0	26	0.08	55.04
		OS-3	83.02	91.87	6.0	26	4.73	58.17
		OS-4	55.44	524.87	6.0	26	3.16	146.87
		OS-5	41.35	279.12	6.0	26	2.36	97.93
		OS-6B	41.89	484.82	6.0	26	2.39	52.94
						Total =	**492.2**	pounds

Total Days Since 05 / 03 / 04 = 509

Total Days of Operation Since 05 / 03 / 04 = **360** 71%

NOTES:
SCFM = Standard Cubic Feet per Minute
CFH = Cubic Feet per Hour

Calculations: pounds of ozone = (hours x 26 grams of ozone per hour) / 454 grams per pound
pounds of ozone = # hours x 0.057-pound per hour

TABLE 2A
OZONE SPARGE SYSTEM PERFORMANCE DATA
Tesoro Site No. 67093
2601 Lakeville Highway, Petaluma, California

DATE MONITORED	PERIODIC DAYS OF OPERATION	Sparge Well	Periodic Operation HOURS	Cumulative Operation HOURS	Air FLOW CFH	Ozone Generated Grams / Hour	Periodic Ozone in Pounds	Cumulative Ozone in Pounds
1/6/2006	18	OS-1	2.21	378.83	6.0	26	0.13	59.84
		OS-2	2.22	529.27	6.0	26	0.13	55.17
		OS-3	132.96	224.83	6.0	26	7.58	65.74
		OS-4	87.56	67.43	5.8	26	4.99	151.86
		OS-5	66.91	346.03	6.0	26	3.81	101.74
		OS-6B	65.48	5.30	6.0	26	3.73	56.68
1/23/2006	17	OS-1	2.14	380.97	6.0	26	0.12	59.96
		OS-2	3.56	532.83	6.0	26	0.20	55.37
		OS-3	128.00	352.83	6.0	26	7.30	73.04
		OS-4	84.80	152.23	6.0	26	4.83	156.69
		OS-5	63.50	409.53	6.0	26	3.62	105.36
		OS-6B	63.50	68.80	6.0	26	3.62	60.30
2/8/2006	15	OS-1	1.98	382.95	6.0	26	0.11	60.07
		OS-2	5.97	538.80	6.0	26	0.34	55.71
		OS-3	118.37	471.20	6.0	26	6.75	79.79
		OS-4	79.20	231.43	6.0	26	4.51	161.21
		OS-5	59.50	469.03	6.0	26	3.39	108.75
		OS-6B	59.50	128.30	6.0	26	3.39	63.69
2/22/2006	14	OS-1	1.73	384.68	6.0	26	0.10	60.17
		OS-2	5.13	543.93	6.0	26	0.29	56.00
		OS-3	102.52	28.72	6.0	26	5.84	85.63
		OS-4	69.35	300.78	6.0	26	3.95	165.16
		OS-5	52.00	521.03	6.0	26	2.96	111.72
		OS-6B	51.58	179.88	6.0	26	2.94	66.63
3/9/2006	17	OS-1	1.87	386.55	6.0	26	0.11	60.28
		OS-2	4.49	3.42	6.0	26	0.26	56.26
		OS-3	111.48	140.20	6.0	26	6.35	91.99
		OS-4	74.00	374.78	6.0	26	4.22	169.38
		OS-5	54.39	30.42	6.0	26	3.10	114.82
		OS-6B	55.92	235.80	6.0	26	3.19	69.82
3/20/2006	11	OS-1	1.38	387.93	5.0	26	0.08	60.36
		OS-2	4.13	7.55	5.0	26	0.24	56.49
		OS-3	81.87	222.07	5.0	26	4.67	96.65
		OS-4	54.67	429.45	5.0	26	3.12	172.50
		OS-5	41.00	71.42	5.0	26	2.34	117.15
		OS-6B	4.25	240.05	5.0	26	0.24	70.06
						Total =	**594.7**	pounds

Total Days Since 05 / 03 / 04 = 601

Total Days of Operation Since 05 / 03 / 04 = **435** 72%

40.1	JAN
34.6	FEB
27.9	MAR
102.5	pounds

NOTES:
SCFM = Standard Cubic Feet per Minute
CFH = Cubic Feet per Hour

Calculations: pounds of ozone = (hours x 26 grams of ozone per hour) / 454 grams per pound
pounds of ozone = # hours x 0.057-pound per hour

TABLE 2A
OZONE SPARGE SYSTEM PERFORMANCE DATA
Tesoro Site No. 67093
2601 Lakeville Highway, Petaluma, California

DATE MONITORED	PERIODIC DAYS OF OPERATION	Sparge Well	Periodic Operation HOURS	Cumulative Operation HOURS	Air FLOW CFH	Ozone Generated Grams / Hour	Periodic Ozone in Pounds	Cumulative Ozone in Pounds
4/4/2006	15	**OS-1**	1.89	389.82	6.0	26	0.11	60.46
		OS-2	5.67	13.22	6.0	26	0.32	56.82
		OS-3	112.00	334.07	6.0	26	6.38	103.04
		OS-4	74.57	504.02	6.0	26	4.25	176.75
		OS-5	55.01	126.43	6.0	26	3.14	120.29
		OS-6B	0.02	240.07	6.0	26	0.001	70.06
4/20/2006	16	**OS-1**	2.05	391.87	5.0	26	0.12	60.58
		OS-2	6.08	19.30	5.0	26	0.35	57.16
		OS-3	123.00	457.07	5.0	26	7.01	110.05
		OS-4	80.88	39.90	5.0	26	4.61	181.36
		OS-5	61.50	187.93	5.0	26	3.51	123.80
		OS-6B	0.00	240.07	5.0	26	0.00	70.06
5/3/2006	13	**OS-1**	1.85	393.72	6.0	26	0.11	60.69
		OS-2	5.53	24.83	6.0	26	0.32	57.48
		OS-3	109.90	21.97	6.0	26	6.26	116.31
		OS-4	74.00	113.90	6.0	26	4.22	185.57
		OS-5	55.99	243.92	6.0	26	3.19	126.99
		OS-6B	9.23	249.30	6.0	26	0.53	70.58
5/16/2006	13	**OS-1**	2.51	396.23	6.0	26	0.14	60.83
		OS-2	6.02	30.85	6.0	26	0.34	57.82
	disabled	**OS-3**	103.20	125.17	6.0	26	5.88	122.19
		OS-4	74.83	188.73	6.0	26	4.27	189.84
	disabled	**OS-5**	51.23	295.15	6.0	26	2.92	129.91
		OS-6B	9.38	258.68	6.0	26	0.53	71.12
	activated	**RW-10**	9.20	9.20	6.0	26	0.52	61.35
6/7/2006	22	**OS-1**	3.75	399.98	6.0	26	0.21	61.04
		OS-2	11.25	42.10	6.0	26	0.64	58.46
	OZONE	**OS-3**	0.00	125.17	6.0	26	0.00	122.19
	SYSTEM	**OS-4**	149.90	338.63	6.0	26	8.54	198.38
	SHUT DOWN	**OS-5**	0.00	295.15	6.0	26	0.00	129.91
		OS-6B	18.67	277.35	6.0	26	1.06	72.18
		RW-10	224.08	233.28	6.0	26	12.77	73.82
7/8/2006	0	**OS-1**	0.00	399.98	10	26	0.00	61.04
3 min run time		**OS-2**	0.00	42.10	10	26	0.00	58.46
15 min run time	OZONE	**OS-3**	0.00	125.17	10	26	0.00	122.19
40 min run time	SYSTEM	**OS-4**	0.00	338.63	10	26	0.00	198.38
30 min run time	RESTARTED	**OS-5**	0.00	295.15	10	26	0.00	129.91
5 min run time		**OS-6B**	0.00	277.35	10	26	0.00	72.18
60 min run time		**RW-10**	0.00	233.28	10	26	0.00	61.04
						Total =	**677.0**	pounds

Total Days Since 05 / 03 / 04 = 680

Total Days of Operation Since 05 / 03 / 04 = **495** 73%

29.8	APRIL
29.2	MAY
7.4	JUNE
66.5	pounds

NOTES:
SCFM = Standard Cubic Feet per Minute
CFH = Cubic Feet per Hour

Calculations: pounds of ozone = (hours x 26 grams of ozone per hour) / 454 grams per pound
pounds of ozone = # hours x 0.057-pound per hour

11877 hours

TABLE 2A
OZONE SPARGE SYSTEM PERFORMANCE DATA
Tesoro Site No. 67093
2601 Lakeville Highway, Petaluma, California

DATE MONITORED	PERIODIC DAYS OF OPERATION	Sparge Well	Periodic Operation HOURS	Cumulative Operation HOURS	Air FLOW CFH	Ozone Generated Grams / Hour	Periodic Ozone in Pounds	Cumulative Ozone in Pounds
7/16/2006	8	OS-1	1.32	401.30	7.0	26	0.08	61.12
3 min run time		OS-2	3.87	45.97	7.0	26	0.22	58.68
15 min run time		OS-3	19.75	144.92	7.0	26	1.13	123.32
40 min run time		OS-4	52.72	391.35	7.0	26	3.01	201.39
30 min run time		OS-5	38.98	334.13	7.0	26	2.22	132.13
5 min run time		OS-6B	6.58	283.93	7.0	26	0.38	72.56
60 min run time		RW-10	79.42	312.70	7.0	26	4.53	65.57
7/27/2006	11	OS-1	1.33	402.63	7.0	26	0.08	58.76
3 min run time		OS-2	4.00	49.97	7.0	26	0.23	123.55
15 min run time		OS-3	20.00	164.92	7.0	26	1.14	202.53
40 min run time		OS-4	53.34	444.69	7.0	26	3.04	135.17
30 min run time		OS-5	4.24	338.37	7.0	26	0.24	72.80
5 min run time		OS-6B	6.67	290.60	7.0	26	0.38	65.95
60 min run time		RW-10	79.62	392.32	7.0	26	4.54	63.30
8/8/2006	12	OS-1	2.02	404.65	6.0	26	0.12	123.66
3 min run time		OS-2	6.05	56.02	6.0	26	0.34	202.87
15 min run time		OS-3	30.03	194.95	6.0	26	1.71	136.88
40 min run time		OS-4	80.00	524.69	6.0	26	4.56	77.36
1 min run time		OS-5	2.00	340.37	6.0	26	0.11	66.06
5 min run time		OS-6B	10.00	300.60	6.0	26	0.57	63.87
60 min run time		RW-10	120.40	512.72	6.0	26	6.86	130.53
8/23/2006	15	OS-1	2.32	406.97	7.0	26	0.13	203.01
3 min run time		OS-2	6.93	62.95	7.0	26	0.40	137.28
15 min run time	OZONE	OS-3	34.58	229.53	7.0	26	1.97	79.33
40 min run time	SYSTEM	OS-4	87.21	71.90	7.0	26	4.97	71.03
1 min run time	SHUT DOWN	OS-5	2.32	342.69	7.0	26	0.13	64.00
5 min run time		OS-6B	12.18	312.78	7.0	26	0.69	131.22
60 min run time		RW-10	133.33	106.05	7.0	26	7.60	210.61
9/11/2006	0	OS-1	0.06	407.03	2.5	26	0.00	137.28
3 min run time		OS-2	0.07	63.02	0.0	26	0.00	79.34
15 min run time	OZONE	OS-3	0.55	230.08	2.0	26	0.03	71.07
40 min run time	SYSTEM	OS-4	1.12	73.02	2.5	26	0.06	64.07
1 min run time	RESTARTED	OS-5	0.09	342.78	2.5	26	0.01	131.23
5 min run time		OS-6B	0.00	312.78	2.0	26	0.00	210.61
60 min run time		RW-10	1.68	107.73	2.5	26	0.10	137.38
9/12/2006	1	OS-1	0.17	407.20	2.0	26	0.01	79.35
3 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
15 min run time	OZONE	OS-3	2.12	232.20	1.5	26	0.12	64.19
40 min run time	SYSTEM	OS-4	5.38	78.40	2.5	26	0.31	131.53
1 min run time	SHUT DOWN	OS-5	0.19	342.97	2.5	26	0.01	210.62
5 min run time		OS-6B	0.72	313.50	1.5	26	0.04	137.42
60 min run time		RW-10	8.30	116.03	2.5	26	0.47	79.82
						Total =	**729.5**	pounds

Total Days Since 05 / 03 / 04 = 727

Total Days of Operation Since 05 / 03 / 04 = **533** 73%

33.3	JULY
30.2	AUG
1.2	SEPT
64.6	pounds

NOTES:
SCFM = Standard Cubic Feet per Minute
CFH = Cubic Feet per Hour

Calculations: pounds of ozone = (hours x 26 grams of ozone per hour) / 454 grams per pound
pounds of ozone = # hours x 0.057-pound per hour

12799 hours

TABLE 2A
OZONE SPARGE SYSTEM PERFORMANCE DATA
Tesoro Site No. 67093
2601 Lakeville Highway, Petaluma, California

DATE MONITORED	PERIODIC DAYS OF OPERATION	Sparge Well	Periodic Operation HOURS	Cumulative Operation HOURS	Air FLOW CFH	Ozone Generated Grams / Hour	Periodic Ozone in Pounds	Cumulative Ozone in Pounds
10/12/2006	0	OS-1	0.00	407.20	2.5	26	0.00	79.35
3 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
15 min run time	OZONE	OS-3	0.00	232.20	2.0	26	0.00	64.19
40 min run time	SYSTEM	OS-4	0.00	78.40	2.5	26	0.00	131.53
1 min run time	RESTARTED	OS-5	0.00	342.97	2.5	26	0.00	210.62
5 min run time		OS-6B	0.00	313.50	2.0	26	0.00	137.42
60 min run time		RW-10	0.00	116.03	2.5	26	0.00	79.82
10/25/2006	13	OS-1	2.02	409.22	4.5	26	0.12	79.46
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
15 min run time		OS-3	30.25	262.45	3.0	26	1.72	65.91
40 min run time		OS-4	80.67	159.07	6.0	26	4.60	136.13
1 min run time		OS-5	1.62	344.59	6.0	26	0.09	210.71
5 min run time		OS-6B	10.08	323.58	3.0	26	0.57	137.99
60 min run time		RW-10	121.29	237.32	4.5	26	6.91	86.73
11/9/2006	15	OS-1	2.35	411.57	1.0	26	0.13	79.59
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
15 min run time		OS-3	34.98	297.43	1.0	26	1.99	67.90
40 min run time		OS-4	92.25	251.32	1.0	26	5.26	141.39
1 min run time		OS-5	2.74	347.33	1.0	26	0.16	210.87
5 min run time		OS-6B	11.64	335.22	1.0	26	0.66	138.65
60 min run time		RW-10	139.11	376.43	1.0	26	7.93	94.66
11/30/2006	21	OS-1	3.65	415.22	1.0	26	0.21	79.80
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
15 min run time		OS-3	0.00	297.43	1.0	26	0.00	67.90
40 min run time		OS-4	117.53	368.85	1.0	26	6.70	148.09
1 min run time		OS-5	3.62	350.95	1.0	26	0.21	211.07
20 min run time		OS-6B	0.20	335.42	1.0	26	0.01	138.67
60 min run time		RW-10	172.50	8.93	1.0	26	9.83	104.49
12/7/2006	7	OS-1	0.98	416.20	5.0	26	0.06	79.86
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
15 min run time		OS-3	0.00	297.43	5.0	26	0.00	67.90
40 min run time		OS-4	39.38	408.23	5.0	26	2.24	150.33
1 min run time		OS-5	1.00	351.95	5.0	26	0.06	211.13
20 min run time		OS-6B	0.00	335.42	5.0	26	0.00	138.67
60 min run time		RW-10	58.64	67.57	5.0	26	3.34	107.84
12/19/2006	12	OS-1	1.50	417.70	7.0	26	0.09	79.94
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
15 min run time		OS-3	21.53	318.96	7.5	26	1.23	69.13
40 min run time		OS-4	58.04	466.27	7.0	26	3.31	153.64
1 min run time		OS-5	0.10	352.05	7.5	26	0.01	211.13
20 min run time		OS-6B	29.35	364.77	7.0	26	1.67	140.34
60 min run time		RW-10	86.70	154.27	7.0	26	4.94	112.78
						Total =	**793.6**	pounds

Total Days Since 05 / 03 / 04 = 795

Total Days of Operation Since 05 / 03 / 04 = **580** 73%

21.0	OCT
27.5	NOV
16.9	DEC
65.4	pounds

NOTES:
SCFM = Standard Cubic Feet per Minute
CFH = Cubic Feet per Hour

Calculations: pounds of ozone = (hours x 26 grams of ozone per hour) / 454 grams per pound
pounds of ozone = # hours x 0.057-pound per hour

13,923 hours

TABLE 2A
OZONE SPARGE SYSTEM PERFORMANCE DATA
Tesoro Site No. 67093
2601 Lakeville Highway, Petaluma, California

DATE MONITORED	PERIODIC DAYS OF OPERATION	Sparge Well	Periodic Operation HOURS	Cumulative Operation HOURS	Air FLOW CFH	Ozone Generated Grams / Hour	Periodic Ozone in Pounds	Cumulative Ozone in Pounds
1/10/2007	24	**OS-1**	2.84	420.54	7.5	26	0.16	80.11
0 min run time		**OS-2**	0.00	63.02	0.0	26	0.00	71.07
15 min run time		**OS-3**	42.27	361.23	6.0	26	2.41	71.54
40 min run time		**OS-4**	106.03	32.30	7.5	26	6.04	159.68
10 min run time		**OS-5**	26.72	378.77	7.5	26	1.52	212.66
20 min run time		**OS-6B**	56.33	421.10	7.5	26	3.21	143.55
60 min run time		**RW-10**	169.20	323.47	7.5	26	9.64	122.42
1/31/2007	21	**OS-1**	2.81	423.35	7.5	26	0.16	80.27
0 min run time		**OS-2**	0.00	63.02	0.0	26	0.00	71.07
15 min run time		**OS-3**	42.50	403.73	6.0	26	2.42	73.96
40 min run time		**OS-4**	113.37	145.67	7.5	26	6.46	166.15
10 min run time		**OS-5**	28.33	407.10	7.5	26	1.61	214.27
20 min run time		**OS-6B**	56.68	477.78	7.5	26	3.23	146.78
60 min run time		**RW-10**	170.03	493.50	7.5	26	9.69	132.11
2/16/2007	17	**OS-1**	2.15	425.50	7.5	26	0.12	80.39
0 min run time		**OS-2**	0.00	63.02	0.0	26	0.00	71.07
15 min run time		**OS-3**	32.04	435.77	6.5	26	1.83	75.79
40 min run time		**OS-4**	85.35	231.02	7.0	26	4.86	171.01
10 min run time		**OS-5**	21.35	428.45	7.5	26	1.22	215.49
20 min run time		**OS-6B**	42.69	520.47	7.0	26	2.43	149.21
60 min run time		**RW-10**	122.65	76.15	7.5	26	6.99	139.11
3/2/2007	13	**OS-1**	1.86	427.36	7.5	26	0.11	80.49
0 min run time		**OS-2**	0.00	63.02	0.0	26	0.00	71.07
15 min run time		**OS-3**	28.03	463.80	6.5	26	1.60	77.39
40 min run time		**OS-4**	74.91	305.93	6.5	26	4.27	175.28
10 min run time		**OS-5**	18.68	447.13	7.5	26	1.06	216.55
20 min run time		**OS-6B**	31.31	11.78	6.5	26	1.78	151.00
60 min run time		**RW-10**	111.05	187.20	7.5	26	6.33	145.43
3/14/2007	12	**OS-1**	1.61	428.97	7.5	26	0.09	80.59
0 min run time		**OS-2**	0.00	63.02	0.0	26	0.00	71.07
15 min run time		**OS-3**	24.03	487.83	6.5	26	1.37	78.76
40 min run time		**OS-4**	0.04	305.97	6.5	26	0.00	175.28
10 min run time		**OS-5**	16.17	463.30	7.0	26	0.92	217.48
20 min run time		**OS-6B**	32.35	44.13	6.5	26	1.84	152.84
60 min run time		**RW-10**	97.02	284.22	7.0	26	5.53	150.97
						Total =	**882.5**	pounds

Total Days Since 05 / 03 / 04 = 882

Total Days of Operation Since 05 / 03 / 04 = **645** 73%

	32.6	JAN
	32.6	FEB
	21.5	MAR
	86.7	pounds

NOTES:
SCFM = Standard Cubic Feet per Minute
CFH = Cubic Feet per Hour

Calculations: pounds of ozone = (hours x 26 grams of ozone per hour) / 454 grams per pound
pounds of ozone = # hours x 0.057-pound per hour

15,483 hours

TABLE 2A
OZONE SPARGE SYSTEM PERFORMANCE DATA
Tesoro Site No. 67093
2601 Lakeville Highway, Petaluma, California

DATE MONITORED	PERIODIC DAYS OF OPERATION	Sparge Well	Periodic Operation HOURS	Cumulative Operation HOURS	Air FLOW CFH	Ozone Generated Grams / Hour	Periodic Ozone in Pounds	Cumulative Ozone in Pounds
4/9/2007	28	OS-1	3.57	432.54	7.5	26	0.20	80.79
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
15 min run time		OS-3	52.95	540.78	7.5	26	3.02	81.78
40 min run time		OS-4	140.75	446.72	6.0	26	8.02	183.31
10 min run time		OS-5	35.23	498.53	7.5	26	2.01	219.48
20 min run time		OS-6B	70.39	114.52	6.0	26	4.01	156.85
60 min run time		RW-10	212.08	496.30	7.5	26	12.09	163.05
4/25/2007	16	OS-1	0.00	432.54	0.0	26	0.00	80.79
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
15 min run time		OS-3	25.69	26.47	7.0	26	1.46	83.24
40 min run time		OS-4	84.68	531.40	6.5	26	4.83	188.13
disabled		OS-5	0.01	498.54	0.0	26	0.00	219.48
20 min run time		OS-6B	42.36	156.88	7.0	26	2.41	159.27
60 min run time		RW-10	121.80	78.10	7.0	26	6.94	170.00
5/10/2007	15	OS-1	0.00	432.54	0.0	26	0.00	80.79
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
15 min run time		OS-3	32.18	58.65	6.0	26	1.83	85.07
40 min run time		OS-4	79.22	70.62	6.0	26	4.52	192.65
repaired		OS-5	0.01	498.55	6.0	26	0.00	219.48
20 min run time		OS-6B	42.67	199.55	6.0	26	2.43	161.70
60 min run time		RW-10	128.44	206.54	8.0	26	7.32	177.32
5/25/2007	15	OS-1	23.78	456.32	7.0	26	1.36	82.14
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
60 min run time		OS-3	94.15	152.80	6.5	26	5.37	90.44
40 min run time		OS-4	62.68	133.30	6.5	26	3.57	196.22
1 min run time		OS-5	1.58	500.13	6.0	26	0.09	219.57
20 min run time		OS-6B	31.67	231.22	6.0	26	1.81	163.51
60 min run time		RW-10	94.09	300.63	8.0	26	5.36	182.68
6/4/2007	10	OS-1	15.74	472.06	7.0	26	0.90	83.04
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
60 min run time		OS-3	63.03	215.83	6.5	26	3.59	94.03
40 min run time		OS-4	42.00	175.30	6.5	26	2.39	198.62
1 min run time		OS-5	1.07	501.20	6.0	26	0.06	219.64
20 min run time		OS-6B	21.33	252.55	6.0	26	1.22	164.72
60 min run time		RW-10	64.02	364.65	8.0	26	3.65	186.33
6/28/2007	24	OS-1	36.44	508.50	8.0	26	2.08	85.12
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
60 min run time		OS-3	145.00	360.83	8.0	26	8.27	102.30
40 min run time		OS-4	96.67	271.97	7.5	26	5.51	204.13
1 min run time		OS-5	2.43	503.63	7.5	26	0.14	219.77
20 min run time		OS-6B	48.33	300.88	7.0	26	2.75	167.48
60 min run time		RW-10	145.02	509.67	8.0	26	8.27	194.60
						Total =	1,000.0	pounds

Total Days Since 05 / 03 / 04 = 990

Total Days of Operation Since 05 / 03 / 04 = **731** 74%

	33.8	APRIL
	33.7	MAY
	38.8	JUNE
	106.2	pounds

NOTES:
SCFM = Standard Cubic Feet per Minute
CFH = Cubic Feet per Hour

Calculations: pounds of ozone = (hours x 26 grams of ozone per hour) / 454 grams per pound
pounds of ozone = # hours x 0.057-pound per hour

17,544 hours

TABLE 2A
OZONE SPARGE SYSTEM PERFORMANCE DATA
Tesoro Site No. 67093
2601 Lakeville Highway, Petaluma, California

DATE MONITORED	PERIODIC DAYS OF OPERATION	Sparge Well	Periodic Operation HOURS	Cumulative Operation HOURS	Air FLOW CFH	Ozone Generated Grams / Hour	Periodic Ozone in Pounds	Cumulative Ozone in Pounds
7/5/2007	7	OS-1	11.04	519.54	8.0	26	0.63	85.75
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
60 min run time		OS-3	44.00	404.83	8.0	26	2.51	104.81
40 min run time		OS-4	29.36	301.33	8.0	26	1.67	205.80
1 min run time		OS-5	0.72	504.35	8.0	26	0.04	219.82
20 min run time		OS-6B	14.54	315.42	8.0	26	0.83	168.31
60 min run time		RW-10	37.87	7.54	8.0	26	2.16	196.75
7/18/2007	13	OS-1	20.49	540.03	8.0	26	1.17	86.92
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
60 min run time		OS-3	82.00	486.83	6.5	26	4.67	109.48
40 min run time		OS-4	54.70	356.03	6.5	26	3.12	208.92
1 min run time		OS-5	1.37	505.72	8.0	26	0.08	219.89
20 min run time		OS-6B	27.68	343.10	6.0	26	1.58	169.88
60 min run time		RW-10	82.13	89.67	8.0	26	4.68	201.44
8/3/2007	16	OS-1	22.15	19.18	8.0	26	1.26	88.18
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
60 min run time		OS-3	94.89	41.72	7.0	26	5.41	114.89
40 min run time		OS-4	67.34	423.37	6.0	26	3.84	212.76
1 min run time		OS-5	1.66	507.38	7.5	26	0.09	219.99
20 min run time		OS-6B	33.33	376.43	7.5	26	1.90	171.78
60 min run time		RW-10	100.08	189.75	8.0	26	5.70	207.14
8/27/2007	24	OS-1	38.00	57.18	7.5	26	2.17	90.35
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
60 min run time		OS-3	152.00	193.72	7.5	26	8.66	123.55
40 min run time		OS-4	101.35	524.72	7.5	26	5.78	218.53
1 min run time		OS-5	2.55	509.93	7.5	26	0.15	220.13
20 min run time		OS-6B	51.00	427.43	7.5	26	2.91	174.69
60 min run time		RW-10	152.17	341.92	7.5	26	8.67	215.81
9/14/2007	18	OS-1	28.49	85.67	7.5	26	1.62	91.97
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
60 min run time		OS-3	114.03	307.75	7.5	26	6.50	130.05
40 min run time		OS-4	69.43	54.15	7.5	26	3.96	222.49
1 min run time		OS-5	1.90	511.83	7.5	26	0.11	220.24
20 min run time		OS-6B	38.00	465.43	7.5	26	2.17	176.86
60 min run time		RW-10	113.25	455.17	7.5	26	6.46	222.27
9/25/2007	11	OS-1	18.76	104.43	7.5	26	1.07	93.04
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
60 min run time		OS-3	75.02	382.77	7.5	26	4.28	134.33
40 min run time		OS-4	49.42	103.57	7.5	26	2.82	225.31
1 min run time		OS-5	1.24	513.07	7.5	26	0.07	220.31
20 min run time		OS-6B	24.69	490.12	7.5	26	1.41	178.26
60 min run time		RW-10	76.81	531.98	7.5	26	4.38	226.65
						Total =	**1,104.5**	pounds

Total Days Since 05 / 03 / 04 = 1,079

Total Days of Operation Since 05 / 03 / 04 = **807** 75%

	37.6	JULY
	35.4	AUG
	34.8	SEPT
	107.9	pounds

NOTES:
SCFM = Standard Cubic Feet per Minute
CFH = Cubic Feet per Hour

Calculations: pounds of ozone = (hours x 26 grams of ozone per hour) / 454 grams per pound
pounds of ozone = # hours x 0.057-pound per hour

19,378 hours

TABLE 2A
OZONE SPARGE SYSTEM PERFORMANCE DATA
Tesoro Site No. 67093
2601 Lakeville Highway, Petaluma, California

DATE MONITORED	PERIODIC DAYS OF OPERATION	Sparge Well	Periodic Operation HOURS	Cumulative Operation HOURS	Air FLOW CFH	Ozone Generated Grams / Hour	Periodic Ozone in Pounds	Cumulative Ozone in Pounds
10/8/2007	13	OS-1	19.02	123.45	7.0	26	1.08	94.12
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
60 min run time		OS-3	75.35	458.12	7.0	26	4.29	138.62
40 min run time		OS-4	50.60	154.17	7.0	26	2.88	228.19
1 min run time		OS-5	1.28	514.35	7.0	26	0.07	220.39
20 min run time		OS-6B	25.31	515.43	7.0	26	1.44	179.71
60 min run time		RW-10	70.90	62.88	7.0	26	4.04	230.69
10/24/2007	16	OS-1	25.27	148.72	6.5	26	1.44	95.56
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
60 min run time		OS-3	94.42	12.54	5.5	26	5.38	144.01
40 min run time		OS-4	66.66	220.83	5.5	26	3.80	231.99
1 min run time		OS-5	1.67	516.02	5.5	26	0.10	220.48
20 min run time		OS-6B	27.24	2.67	5.5	26	1.55	181.26
60 min run time		RW-10	99.99	162.87	5.5	26	5.70	236.39
11/9/2007	16	OS-1	23.75	172.47	6.0	26	1.35	96.92
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
60 min run time		OS-3	94.06	106.60	6.0	26	5.36	149.37
40 min run time		OS-4	62.65	283.48	6.0	26	3.57	235.56
1 min run time		OS-5	1.56	517.58	6.0	26	0.09	220.57
20 min run time		OS-6B	31.66	34.33	6.0	26	1.80	183.06
60 min run time		RW-10	95.05	257.92	6.0	26	5.42	241.81
11/19/2007	10	OS-1	15.78	188.25	6.5	26	0.90	97.82
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
60 min run time		OS-3	64.18	170.78	6.0	26	3.66	153.03
40 min run time		OS-4	42.75	326.23	6.0	26	2.44	238.00
1 min run time		OS-5	1.09	518.67	6.5	26	0.06	220.63
20 min run time		OS-6B	21.36	55.69	6.0	26	1.22	184.28
60 min run time		RW-10	63.75	321.67	5.0	26	3.63	245.44
12/5/2007	16	OS-1	25.00	213.25	5.0	26	1.43	99.24
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
60 min run time		OS-3	99.49	270.27	5.0	26	5.67	158.70
40 min run time		OS-4	66.00	392.23	5.0	26	3.76	241.76
1 min run time		OS-5	1.65	520.32	5.0	26	0.09	220.73
20 min run time		OS-6B	33.34	89.03	5.0	26	1.90	186.18
60 min run time		RW-10	100.02	421.69	5.0	26	5.70	251.14
12/20/2007	15	OS-1	23.50	236.75	4.5	26	1.34	100.58
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	71.07
60 min run time		OS-3	94.55	364.82	4.0	26	5.39	164.09
40 min run time		OS-4	62.90	455.13	5.0	26	3.59	245.35
1 min run time		OS-5	1.58	521.90	4.5	26	0.09	220.82
20 min run time		OS-6B	31.67	120.70	4.5	26	1.81	187.99
60 min run time		RW-10	94.48	516.17	4.5	26	5.39	256.53
						Total =	**1,202.0**	pounds

Total Days Since 05 / 03 / 04 = 1,165

Total Days of Operation Since 05 / 03 / 04 = **879** 75%

	31.8	OCT
	29.5	NOV
	36.1	DEC
	97.4	pounds

NOTES:
SCFM = Standard Cubic Feet per Minute
CFH = Cubic Feet per Hour

Calculations: pounds of ozone = (hours x 26 grams of ozone per hour) / 454 grams per pound
pounds of ozone = # hours x 0.057-pound per hour

21,087 hours

TABLE 2A
OZONE SPARGE SYSTEM PERFORMANCE DATA
Tesoro Site No. 67093
2601 Lakeville Highway, Petaluma, California

DATE MONITORED	PERIODIC DAYS OF OPERATION	Sparge Well	Periodic Operation HOURS	Cumulative Operation HOURS	Air FLOW CFH	Ozone Generated Grams / Hour	Periodic Ozone in Pounds	Cumulative Ozone in Pounds
1/8/2008	18	OS-1	1.87	238.62	4.5	26	0.11	71.17
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	164.09
60 min run time		OS-3	6.80	371.62	4.5	26	0.39	245.73
40 min run time		OS-4	4.67	459.80	4.5	26	0.27	221.08
1 min run time		OS-5	0.12	522.02	4.5	26	0.01	187.99
20 min run time		OS-6B	2.33	123.03	4.5	26	0.13	256.66
60 min run time		RW-10	6.31	522.48	4.5	26	0.36	0.36
1/22/2008	14	OS-1	23.20	261.82	4.5	26	1.32	72.49
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	164.09
60 min run time		OS-3	87.01	458.63	4.5	26	4.96	250.69
40 min run time		OS-4	58.00	517.80	4.5	26	3.31	224.39
1 min run time		OS-5	1.46	523.48	4.5	26	0.08	188.08
20 min run time		OS-6B	29.34	152.37	4.5	26	1.67	258.33
60 min run time		RW-10	81.92	64.40	4.5	26	4.67	5.03
2/11/2008	20	OS-1	33.33	295.15	4.5	26	1.90	74.39
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	164.09
60 min run time		OS-3	118.89	37.52	4.5	26	6.78	257.47
40 min run time		OS-4	77.22	55.02	4.5	26	4.40	228.79
1 min run time		OS-5	2.08	525.56	4.5	26	0.12	188.20
20 min run time		OS-6B	41.66	194.03	4.5	26	2.37	260.71
60 min run time		RW-10	125.02	189.42	4.5	26	7.13	12.16
2/21/2008	10	OS-1	17.05	312.20	8.0	26	0.97	75.37
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	164.09
60 min run time		OS-3	63.02	100.54	8.0	26	3.59	261.06
40 min run time		OS-4	42.00	97.02	8.0	26	2.39	231.18
1 min run time		OS-5	1.06	526.62	8.0	26	0.06	188.26
20 min run time		OS-6B	21.00	215.03	8.0	26	1.20	261.90
60 min run time		RW-10	62.31	251.73	8.0	26	3.55	15.71
3/5/2008	15	OS-1	21.87	334.07	6.5	26	1.25	76.61
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	164.09
60 min run time		OS-3	81.34	181.88	6.5	26	4.64	265.70
40 min run time		OS-4	54.01	151.03	6.5	26	3.08	234.26
2 min run time		OS-5	2.70	529.32	6.5	26	0.15	188.41
20 min run time		OS-6B	27.02	242.05	6.5	26	1.54	263.44
60 min run time		RW-10	81.03	332.76	6.5	26	4.62	20.33
3/25/2008	20	OS-1	33.33	367.40	6.0	26	1.90	78.51
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	164.09
60 min run time		OS-3	125.04	306.92	6.0	26	7.13	272.83
40 min run time		OS-4	82.89	233.92	6.0	26	4.72	238.99
2 min run time		OS-5	4.65	533.97	6.0	26	0.27	188.68
20 min run time		OS-6B	41.33	283.38	6.0	26	2.36	265.80
60 min run time		RW-10	124.02	456.78	6.0	26	7.07	27.39
						Total =	**1,292.4**	pounds

Total Days Since 05 / 03 / 04 = 1,262

Total Days of Operation Since 05 / 03 / 04 = **945** 75%

	21.6	JAN
	31.0	FEB
	38.7	MAR
	91.3	pounds

NOTES:
SCFM = Standard Cubic Feet per Minute
CFH = Cubic Feet per Hour

Calculations: pounds of ozone = (hours x 26 grams of ozone per hour) / 454 grams per pound
pounds of ozone = # hours x 0.057-pound per hour

22,674 hours

TABLE 2A
OZONE SPARGE SYSTEM PERFORMANCE DATA
Tesoro Site No. 67093
2601 Lakeville Highway, Petaluma, California

DATE MONITORED	PERIODIC DAYS OF OPERATION	Sparge Well	Periodic Operation HOURS	Cumulative Operation HOURS	Air FLOW CFH	Ozone Generated Grams / Hour	Periodic Ozone in Pounds	Cumulative Ozone in Pounds
4/8/2008	14	OS-1	23.20	390.60	5.0	26	1.32	79.84
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	164.09
60 min run time		OS-3	87.01	393.93	5.0	26	4.96	277.78
40 min run time		OS-4	58.03	291.95	5.0	26	3.31	242.29
2 min run time		OS-5	3.40	537.37	5.0	26	0.19	188.87
20 min run time		OS-6B	29.00	312.38	5.0	26	1.65	267.45
60 min run time		RW-10	88.00	544.78	5.0	26	5.02	32.41
4/17/2008	9	OS-1	15.28	405.88	6.5	26	0.87	80.71
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	164.09
60 min run time		OS-3	56.44	450.37	6.5	26	3.22	281.00
40 min run time		OS-4	37.35	329.30	6.0	26	2.13	244.42
2 min run time		OS-5	1.86	539.23	6.5	26	0.11	188.97
20 min run time		OS-6B	18.70	331.08	6.0	26	1.07	268.52
60 min run time		RW-10	49.29	54.07	6.5	26	2.81	35.22
5/16/2008	29	OS-1	46.69	452.57	4.0	26	2.66	83.37
0 min run time		OS-2	0.00	63.02	0.0	26	0.00	164.09
60 min run time	OZONE	OS-3	173.66	79.03	6.0	26	9.90	290.90
40 min run time	SYSTEM	OS-4	116.03	445.33	6.0	26	6.61	251.04
2 min run time	SHUT DOWN	OS-5	4.80	544.03	5.0	26	0.27	189.25
20 min run time		OS-6B	58.05	389.13	6.0	26	3.31	271.83
60 min run time		RW-10	175.62	229.69	6.0	26	10.01	45.23
	OZONE		SYSTEM		SHUT	DOWN		
						Total =	**1,351.8**	pounds

Total Days Since 05 / 03 / 04 = 1,314

Total Days of Operation Since 05 / 03 / 04 = **988** 75%

	21.4	APR
	32.8	MAY
	54.2	pounds

NOTES:
SCFM = Standard Cubic Feet per Minute
CFH = Cubic Feet per Hour

Calculations: pounds of ozone = (hours x 26 grams of ozone per hour) / 454 grams per pound
pounds of ozone = # hours x 0.057-pound per hour

23,716 hours

Table 3A - Dissolved Oxygen (dO) and Oxidation/Reduction (ORP) Monitoring Data
Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Ozone Sparge Wells - Dissolved Oxygen (dO) Measurements

dO Date	OS-1 (ppm)	OS-2 (ppm)	OS-3 (ppm)	OS-4 (ppm)	OS-5 (ppm)	OS-6B (ppm)	RW-10 (ppm)	Comments
05/27/04	2.82	2.42	5.27	2.99	4.84	3.96		pre-sparge
06/14/04	13.7	12.7	13.3	11.5	13.0	13.15		
01/13/05	--	--	--	--	--	12.3		ppm = parts per million
04/22/05	10.0	9.4	8.8	4.1	3.8	8.4		
05/31/05	7.2	10.6	8.5	2.5	6.2	8.2		
04/05/06	8.0	8.9	16.8	15.7	14.5	6.2		Q2 2006 sampling data
03/14/07	11.6	6.5	10.6	9.7	9.8	12.3	11.8	

Monitoring Wells - Dissolved Oxygen (dO) Measurements

Distance to Ozone Well	15 feet	17 feet	30 feet	75 feet	60 feet	65 feet	65 feet	34 feet	18 feet	60 feet	20 feet	
dO Date	MW-1 (ppm)	MW-2 (ppm)	MW-3 (ppm)	MW-4 (ppm)	MW-5 (ppm)	MW-6 (ppm)	MW-7 (ppm)	MW-8 (ppm)	RW-9 (ppm)	RW-10 (ppm)	RW-11 (ppm)	Comments
05/27/04	1.40	1.34	1.34	1.37	--	--	--	1.70	1.49	1.40	0.55	pre-sparge
06/14/04	1.67	11.35	1.91	1.65	3.40	3.20	2.50	1.83	6.49	2.03	1.29	
07/06/04	10.30	11.53	2.33	2.62	5.41	3.07	3.10	2.52	1.67	2.71	1.99	
07/21/04	5.69	13.19	3.43	3.30	5.58	5.40	4.41	4.65	4.56	2.85	4.84	Q3 sampling
08/18/04	11.33	13.92	1.96	2.75	3.98	3.58	2.79	2.49	1.74	1.62	2.34	
09/02/04	1.84	13.28	1.79	1.17	2.77	1.65	1.32	1.26	1.49	0.80	1.44	
09/21/04	13.75	11.71	2.99	2.06	4.58	2.71	2.10	2.37	1.91	1.57	2.01	
10/08/04	11.66	12.07	5.00	1.87	2.62	1.27	0.93	1.56	2.42	1.50	1.36	
10/25/04	12.23	13.12	3.90	2.17	8.50	1.08	1.84	2.64	1.93	1.61	1.97	Q4 sampling
12/16/04	1.69	9.54	1.95	2.14	2.70	2.24	1.83	2.51	2.27	1.62	2.01	
12/29/04	10.05	10.24	2.01	1.37	1.63	0.89	1.61	2.58	2.25	2.10	4.72	
01/13/05	4.40	10.81	3.08	1.86	1.87	2.19	2.35	2.47	1.25	1.86	1.78	Q1 sampling
02/11/05	6.82	14.17	7.52	6.99	5.14	2.51	3.56	6.44	5.19	4.24	0.67	
03/03/05	8.83	8.60	6.50	2.56	4.03	1.63	1.18	0.93	1.46	1.09	1.27	
03/16/05	7.98	9.72	6.88	4.35	5.82	2.86	2.61	2.46	2.74	2.26	1.90	
03/23/05	6.89	8.12	7.50	2.86	--	1.80	2.14	1.85	1.90	1.21	3.49	
04/07/05	8.47	8.13	8.19	2.59	2.15	2.89	3.24	3.69	1.36	2.80	3.89	Q2 sampling
04/21/05	2.78	8.83	2.25	1.32	1.76	2.78	2.54	1.66	1.40	1.16	1.38	

ppm = parts per million

Table 3A - Dissolved Oxygen (dO) and Oxidation/Reduction (ORP) Monitoring Data
Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Monitoring Wells - Dissolved Oxygen (dO) Measurements

Distance to Ozone Well	15 feet	17 feet	30 feet	75 feet	60 feet	65 feet	65 feet	34 feet	18 feet	60 feet	20 feet	
dO Date	MW-1 (ppm)	MW-2 (ppm)	MW-3 (ppm)	MW-4 (ppm)	MW-5 (ppm)	MW-6 (ppm)	MW-7 (ppm)	MW-8 (ppm)	RW-9 (ppm)	RW-10 (ppm)	RW-11 (ppm)	Comments
05/16/05	7.56	10.07	7.13	1.88	4.28	3.27	4.09	1.53	1.23	2.07	4.15	
05/31/05	1.70	11.05	6.35	2.88	4.45	1.26	2.04	1.64	1.36	2.43	0.59	System OFF
06/14/05	3.62	3.87	3.38	0.90	1.59	1.52	1.75	2.13	1.52	1.44	2.37	System OFF
08/09/05	2.02	3.74	1.90	1.75	2.61	1.31	2.10	3.02	2.50	1.12	1.52	System OFF
08/17/05	5.36	5.68	3.03	0.80	3.86	2.79	2.54	0.75	1.13	1.29	0.78	
09/13/05	5.78	8.61	3.13	2.91	3.33	2.81	2.13	3.77	2.41	1.12	3.43	
09/29/05	2.8	7.5	4.0	2.0	4.2	3.0	2.4	1.7	2.7	1.9	1.8	
10/27/05	2.7	7.0	4.0	2.1	4.3	3.0	2.0	1.6	2.3	2.0	1.6	Q4 sampling
11/09/05	2.8	7.5	4.0	2.0	4.2	3.0	2.4	1.7	2.7	1.9	1.8	
11/21/05	3.2	6.6	4.3	2.4	4.3	3.2	2.3	1.4	3.0	2.2	1.8	
12/08/05	3.3	6.4	4.2	2.2	4.4	3.4	2.4	1.6	3.2	2.4	2.0	
12/19/05	3.4	6.0	4.4	2.4	4.2	3.2	2.3	1.4	3.0	2.2	2.4	
01/06/06	3.5	5.8	4.6	2.6	4.4	3.3	2.5	1.6	3.2	2.4	2.2	
01/23/06	3.7	6.0	4.4	2.8	4.6	3.5	2.7	1.8	3.4	2.6	2.4	Q1 sampling
02/08/06	3.4	5.7	4.2	3.0	4.3	3.3	2.4	2.0	3.6	2.8	2.6	
02/22/06	3.6	5.5	4.5	3.3	4.5	3.2	2.3	2.2	3.4	3.0	2.4	
03/09/06	4.1	4.9	4.8	4.3	4.0	2.3	1.9	2.0	3.7	3.1	2.6	
03/20/06	3.9	5.8	5.2	3.8	4.1	2.7	2.2	2.6	4.0	2.8	3.8	
04/04/06	3.6	5.0	5.5	4.3	4.5	2.2	2.7	2.4	4.0	3.0	3.3	Q2 sampling
04/20/06	4.5	7.2	4.8	2.9	4.1	2.9	2.7	3.2	3.8	2.6	3.3	
05/03/06	5.3	6.6	6.2	4.5	5.0	2.7	2.3	2.9	4.6	Ozone Well	4.1	
05/16/06	3.0	5.5	3.7	2.3	3.2	2.9	3.0	1.9	3.5	7.3	2.9	RW-10 added
06/07/06	2.4	7.3	4.9	1.8	2.8	3.0	2.9	2.1	2.7	8.7	3.5	
06/20/06	0.9	1.2	0.6	1.3	1.8	1.5	1.7	1.3	0.8	6.1	0.7	System OFF
07/08/06	1.7	2.0	1.4	1.5	1.4	0.2	0.3	1.1	0.9	nm	1.4	System ON
07/16/06	1.4	5.7	1.3	0.8	2.0	1.7	1.6	1.3	1.5	6.0	0.6	Q3 sampling
07/27/06	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	
08/08/06	2.2	7.4	1.7	0.8	4.7	1.4	1.8	1.2	2.2	20	0.9	
08/23/06	1.1	7.6	1.9	1.1	4.2	2.0	1.8	1.7	0.8	6.9	1.0	OSS shut down
09/11/06	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	OSS restarted
09/12/06	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	OSS shut down

ppm = parts per million

Table 3A - Dissolved Oxygen (dO) and Oxidation/Reduction (ORP) Monitoring Data
Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Monitoring Wells - Dissolved Oxygen (dO) Measurements

Distance to Ozone Well	15 feet	17 feet	30 feet	75 feet	60 feet	65 feet	65 feet	34 feet	18 feet	0 feet	20 feet	
dO Date	MW-1 (ppm)	MW-2 (ppm)	MW-3 (ppm)	MW-4 (ppm)	MW-5 (ppm)	MW-6 (ppm)	MW-7 (ppm)	MW-8 (ppm)	RW-9 (ppm)	RW-10 (ppm)	RW-11 (ppm)	Comments
10/12/06	1.3	1.6	1.7	1.0	3.0	2.2	1.6	1.3	1.1	2.0	1.4	System ON
10/25/06	1.4	4.5	1.6	1.6	4.2	2.6	3.2	1.1	2.6	20	2.2	Q4 sampling
11/09/06	0.7	3.1	1.4	0.5	1.9	2.4	2.9	1.7	1.9	10.1	2.6	oxy mode
11/30/06	1.2	3.2	1.8	1.1	2.7	1.5	1.9	2.0	1.3	5.2	2.9	oxy mode
12/07/06	9.2	5.1	2.3	1.3	3.2	1.8	2.0	3.4	1.1	11.2	3.3	oxy mode
12/19/06	9.2	5.6	2.6	1.5	3.0	2.0	1.9	3.8	2.9	10.5	3.5	oz mode
01/04/07	1.3	1.8	1.9	1.9	2.9	1.5	1.4	1.5	2.5	nm	1.5	Q1 sampling
01/10/07	7.0	5.3	3.1	1.9	3.5	2.2	2.2	3.9	4.2	12.2	3.3	oz mode
02/16/07	5.0	11.3	4.5	1.2	1.1	2.2	2.6	4.4	1.8	12.3	4.1	oz mode
03/02/07	4.6	8.5	3.9	1.6	1.8	2.4	2.3	1.4	2.4	12.7	2.2	oz mode
03/14/07	4.3	8.0	4.2	1.4	0.9	2.0	2.0	1.7	2.8	11.8	2.5	oz mode
04/09/07	2.3	3.8	3.9	2.6	2.0	3.2	3.7	3.4	3.1	5.5	2.1	Q2 sampling
04/25/07	3.0	4.8	3.6	1.9	2.2	2.4	2.3	2.6	3.3	8.7	3.0	oz mode
05/10/07	2.7	4.0	3.1	3.0	3.3	2.7	2.9	2.9	1.2	10.4	2.7	oz mode
05/25/07	2.6	2.9	2.8	2.7	4.2	3.0	2.9	2.5	1.2	11.3	2.4	oz mode
06/04/07	3.0	2.2	2.6	2.0	5.5	2.8	2.7	1.8	1.4	9.9	2.7	oz mode
06/28/07	1.6	nm	nm	2.7	3.8	nm	nm	nm	1.4	8.6	nm	oz mode
07/05/07	3.1	0.9	3.2	3.5	4.0	3.4	3.8	3.9	3.4	3.8	3.1	Q3 sampling
07/18/07	3.6	3.0	2.4	1.9	3.3	2.2	2.7	3.2	1.7	8.8	1.5	oz mode
08/03/07	2.9	2.7	2.4	2.0	3.9	2.3	2.4	3.1	2.7	7.6	1.0	oz mode
08/27/07	0.4	2.6	1.1	2.2	3.1	2.5	2.8	2.9	0.7	10.1	1.0	oz mode
09/14/07	0.4	2.5	1.2	1.1	3.7	2.0	2.4	1.9	0.6	10.7	1.2	oz mode
09/25/07	0.5	2.3	1.5	2.8	1.3	1.4	1.9	1.2	1.6	8.4	1.0	oz mode
10/08/07	1.0	2.2	1.4	2.6	3.7	2.2	2.3	2.7	0.9	11.6	1.3	oz mode
10/24/07	1.1	2.6	1.8	0.8	2.6	2.0	2.5	0.7	1.8	9.1	0.9	oz mode
11/09/07	2.4	1.6	1.2	1.2	1.0	1.3	1.0	1.8	1.7	5.5	nm	Q4 sampling
11/19/07	1.1	1.2	0.9	0.7	3.2	1.5	1.9	1.2	0.8	8.0	1.0	oz mode
12/05/07	1.3	0.9	1.2	1.1	3.4	1.8	1.8	1.6	1.5	9.5	2.5	oz mode
12/20/07	1.1	1.0	2.1	3.5	5.6	1.9	1.2	1.1	1.7	8.2	4.7	OSS shut down

ppm = parts per million

Table 3A - Dissolved Oxygen (dO) and Oxidation/Reduction (ORP) Monitoring Data
Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Monitoring Wells - Dissolved Oxygen (dO) Measurements

Distance to Ozone Well	15 feet	17 feet	30 feet	75 feet	60 feet	65 feet	65 feet	34 feet	18 feet	0 feet	20 feet	
dO Date	MW-1 (ppm)	MW-2 (ppm)	MW-3 (ppm)	MW-4 (ppm)	MW-5 (ppm)	MW-6 (ppm)	MW-7 (ppm)	MW-8 (ppm)	RW-9 (ppm)	RW-10 (ppm)	RW-11 (ppm)	Comments
01/04/08	1.9	1.1	3.0	1.7	1.7	1.2	1.1	1.2	1.5	3.2	1.7	Q1 sampling
01/08/08	0.5	0.7	0.7	1.9	3.6	1.1	1.3	1.2	1.0	11.6	1.5	OSS restarted
01/22/08	0.8	1.0	0.9	1.6	2.9	1.2	1.1	1.4	1.2	9.9	1.0	oz mode
02/11/08	1.0	1.1	2.5	1.5	1.9	1.4	1.5	1.8	0.8	5.6	1.7	oz mode
02/21/08	1.4	2.5	1.3	2.9	4.2	3.2	2.7	3.3	1.9	10.8	2.6	oz mode
03/05/08	1.2	2.0	1.0	2.1	3.6	2.4	2.2	1.9	1.4	3.8	1.8	oz mode
03/25/08	0.8	1.1	1.2	2.5	3.6	1.9	2.4	2.0	1.9	7.3	1.0	oz mode
04/08/08	0.7	0.9	1.3	2.0	3.8	2.1	2.0	1.7	1.4	6.3	0.8	oz mode
04/17/08	0.9	0.9	1.0	2.4	3.7	1.7	1.9	1.4	1.0	11.3	1.2	oz mode
04/24/08	2.0	2.2	1.6	2.0	2.0	2.9	1.6	3.6	1.5	3.3	1.5	Q2 sampling
05/16/08	1.0	2.3	2.9	1.8	3.3	1.5	1.7	1.9	1.2	6.8	1.6	OSS shut down
05/29/08	0.8	1.8	1.0	1.9	3.6	1.7	1.4	2.2	0.7	2.6	0.9	OSS off

ppm = parts per million

Table 3A - Dissolved Oxygen (dO) and Oxidation/Reduction (ORP) Monitoring Data
Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Ozone Sparge Wells - Oxidation Reduction Potential (ORP) Measurements

ORP Date	OS-1 (mV)	OS-2 (mV)	OS-3 (mV)	OS-4 (mV)	OS-5 (mV)	OS-6B (mV)	OS-6B (mV)	Comments
01/13/05								
04/22/05	194	201	201	208	209	199		mV = millivolts
05/31/05	22	50	47	40	75	80		
04/05/06	42	51	86	68	53	45		Q2 2006 sampling data
03/14/07	-22	-14	-38	-75	-41	-27	-4.0	

Monitoring Wells - Oxidation Reduction Potential (ORP) Measurements

Distance to Ozone Well	15 feet	17 feet	30 feet	75 feet	60 feet	65 feet	65 feet	34 feet	18 feet	60 feet	20 feet	
ORP Date	MW-1 (mV)	MW-2 (mV)	MW-3 (mV)	MW-4 (mV)	MW-5 (mV)	MW-6 (mV)	MW-7 (mV)	MW-8 (mV)	RW-9 (mV)	RW-10 (mV)	RW-11 (mV)	Comments
03/03/05	245	358	333	46	298	305	116	-20	-12	47	170	
03/16/05	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	
03/23/05	190	135	170	17	- -	121	109	107	-3	16	147	
04/07/05	377	392	433	-39	137	136	152	143	-54	21	360	Q2 sampling
04/21/05	16	117	125	-62	168	32	71	46	-25	19	-26	
05/16/05	51	34	-16	-43	6	20	113	-19	-21	-27	-97	
05/31/05	-32	76	31	38	-68	-35	-41	-37	-34	-29	-51	System OFF
06/14/05	39	30	22	-6	38	7	4	-20	3	-22	0	System OFF
08/09/05	40	20	76	-16	0	-4	26	20	-3	47	68	System OFF
08/17/05	27	11	5	-12	105	25	0	-36	18	77	-58	
09/13/05	117	83	125	23	71	101	150	123	5	0	79	
09/29/05	-14	17	12	-6	95	16	23	-19	24	-30	-6	
10/27/05	-11	14	10	-3	98	16	19	-15	23	-26	-9	Q4 sampling
11/09/05	-14	17	12	-6	95	16	23	-19	24	-30	-6	
11/21/05	-13	20	15	-11	90	15	27	-22	23	-27	-13	
12/19/05	-22	-19	-17	-26	55	-30	-28	-33	-25	-31	-29	

mV = millivolts

Table 3A - Dissolved Oxygen (dO) and Oxidation/Reduction (ORP) Monitoring Data
Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Monitoring Wells - Oxidation Reduction Potential (ORP) Measurements

Distance to Ozone Well	15 feet	17 feet	30 feet	75 feet	60 feet	65 feet	65 feet	34 feet	18 feet	0 feet	20 feet	
ORP Date	MW-1 (mV)	MW-2 (mV)	MW-3 (mV)	MW-4 (mV)	MW-5 (mV)	MW-6 (mV)	MW-7 (mV)	MW-8 (mV)	RW-9 (mV)	RW-10 (mV)	RW-11 (mV)	Comments
01/06/06	99	106	112	103	98	81	79	83	112	93	101	new ORP meter
01/23/06	101	108	109	105	100	85	83	85	114	96	103	Q1 sampling
02/08/06	98	104	106	107	96	87	85	87	116	99	105	
02/22/06	100	101	108	108	99	85	83	88	114	101	107	
03/09/06	29	43	45	38	38	8	6	10	31	22	18	new ORP meter
03/20/06	31	50	42	27	35	13	4	13	24	17	20	
04/04/06	27	39	49	32	28	8	8	5	19	26	25	Q2 sampling
04/20/06	39	66	45	12	30	8	7	16	32	4	21	
05/03/06	56	74	83	52	40	16	7	22	39	Ozone Well	29	
05/16/06	13	22	20	27	31	-9	-4	-2	22	9	15	RW-10 added
06/07/06	19	-10	22	53	26	5	13	17	25	-14	16	
06/20/06	-2	-4	-2	17	-10	8	-1	5	4	-32	-3	System OFF
07/08/06	-2	16	24	-73	-91	-22	-10	-48	-49	nm	8	System ON
07/16/06	-3	8	-6	35	-12	9	4	-7	19	10	-25	Q3 sampling
07/27/06	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	
08/08/06	5	-11	-2	45	0	-3	8	-6	16	22	-11	
08/23/06	10	-14	-13	78	4	3	13	2	29	-34	-19	OSS shut down
09/11/06	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	OSS restarted
09/12/06	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	OSS shut down
10/12/06	19	6	-4	63	-8	-2	21	9	36	-20	-16	System ON
10/25/06	26	144	5	18	145	81	121	37	61	42	-6	Q4 sampling
11/09/06	39	22	-7	97	-2	2	13	25	18	-13	9	oxy mode
11/30/06	30	16	-5	46	-7	12	18	28	25	-26	3	oxy mode
12/07/06	-3	12	0	56	-12	13	17	16	28	-29	7	oxy mode
12/19/06	-12	16	-1	64	-28	8	2	10	3	-37	14	oz mode

mV = millivolts

Table 3A - Dissolved Oxygen (dO) and Oxidation/Reduction (ORP) Monitoring Data
Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Monitoring Wells - Oxidation Reduction Potential (ORP) Measurements

Distance to Ozone Well	15 feet	17 feet	30 feet	75 feet	60 feet	65 feet	65 feet	34 feet	18 feet	0 feet	20 feet	
ORP Date	MW-1 (mV)	MW-2 (mV)	MW-3 (mV)	MW-4 (mV)	MW-5 (mV)	MW-6 (mV)	MW-7 (mV)	MW-8 (mV)	RW-9 (mV)	RW-10 (mV)	RW-11 (mV)	Comments
01/04/07	47	81	106	67	97	116	91	101	89	nm	78	Q1 sampling
01/10/07	44	61	50	92	40	36	27	48	56	64	45	oz mode
02/16/07	13	-4	-2	18	5	16	10	13	22	-17	8	oz mode
03/02/07	9	-6	5	12	-6	11	4	27	18	-11	7	oz mode
03/14/07	14	-3	10	27	-11	2	-3	21	20	-4	9	oz mode
04/09/07	26	46	7	2	13	16	31	33	14	13	3	Q2 sampling
04/25/07	22	14	19	23	11	22	27	23	10	6	9	oz mode
05/10/07	33	38	10	47	21	18	19	34	23	-21	9	oz mode
05/25/07	31	26	20	38	17	22	22	27	37	-9	19	oz mode
06/04/07	41	29	14	32	12	27	18	26	41	-2	29	oz mode
06/28/07	21	nm	nm	38	27	nm	nm	nm	6	-12	nm	oz mode
07/05/07	38	20	71	50	24	56	31	18	61	46	27	Q3 sampling
07/18/07	-22	-16	-10	34	2	-9	-14	-16	-13	7	-14	oz mode
08/03/07	9	6	2	-4	9	12	5	11	-11	19	-12	oz mode
08/27/07	12	17	19	17	-19	-2	0	11	31	-46	18	oz mode
09/14/07	15	5	6	17	-6	4	11	5	27	-20	12	oz mode
09/25/07	12	3	1	-42	15	10	-15	5	19	-27	14	oz mode
10/08/07	6	12	11	33	5	10	1	13	20	-18	14	oz mode
10/24/07	12	-6	1	36	9	-3	16	13	19	-17	14	oz mode
11/09/07	56	52	46	36	40	22	49	31	39	76	nm	Q4 sampling
11/19/07	16	4	-6	30	-7	-13	-2	-10	-8	12	3	oz mode
12/05/07	13	11	8	20	16	-2	10	3	6	18	21	oz mode
12/20/07	19	22	47	39	26	29	31	42	36	19	21	OSS shut down
01/04/08	17	12	17	14	24	19	19	11	-45	18	21	Q1 sampling
01/08/08	-4	-8	-2	19	5	-9	-1	-6	-4	-3	9	**OSS restarted**
02/11/08	-5	31	45	16	2	27	31	43	-7	68	39	oz mode
02/21/08	11	16	18	2	29	20	8	23	17	34	15	oz mode
03/05/08	33	45	40	63	53	46	38	54	37	56	46	oz mode
03/25/08	20	9	36	44	16	10	12	23	22	36	19	oz mode

mV = millivolts

Table 3A - Dissolved Oxygen (dO) and Oxidation/Reduction (ORP) Monitoring Data
Tesoro Site No. 67093
2601 Lakeville Highway
Petaluma, California

Monitoring Wells - Oxidation Reduction Potential (ORP) Measurements

Distance to Ozone Well	15 feet	17 feet	30 feet	75 feet	60 feet	65 feet	65 feet	34 feet	18 feet	0 feet	20 feet	
ORP Date	**MW-1** (mV)	**MW-2** (mV)	**MW-3** (mV)	**MW-4** (mV)	**MW-5** (mV)	**MW-6** (mV)	**MW-7** (mV)	**MW-8** (mV)	**RW-9** (mV)	**RW-10** (mV)	**RW-11** (mV)	**Comments**
04/08/08	33	14	29	56	19	15	9	20	18	25	24	oz mode
04/17/08	17	25	26	47	22	24	10	20	23	14	18	oz mode
04/24/08	6	31	13	2	11	3	11	-2	15	2	21	**Q2 sampling**
05/16/08	15	16	6	37	10	12	19	4	13	20	-3	**OSS shut down**
05/29/08	11	11	9	33	-4	-2	5	-1	4	9	6	**OSS off**

mV = millivolts

APPENDIX H

QUALIFICATIONS

Kathryn Smith – Project Manager

BS – Science, Technology & Society with concentration in Environment & Sustainability, Stanford University

Ms. Smith provides project management to ensure ASTM compliance and satisfaction of client requirements for Phase I Environmental Assessments, Environmental Transaction Screens, Regulatory Database Review, and Historical Records Review.

Project experience for Ms. Smith includes:

- Phase I Environmental Site Assessments (PHI ESA)
- Environmental Transaction Screens (ETS)
- Regulatory Database Review
- Historical Records Review

In addition, prior to joining the environmental consulting industry, Ms. Smith spent five years studying a diverse range of environmental disciplines including: Civil and Environmental Engineering, Building Information Modeling (BIM), Energy Systems, Pollution and Climate Change, Ecology, Geographic Information Systems (GIS), Environmental Policy, and Sustainable Development and Environmental Planning.

Richard D. Fehler – National Client Manager

B.S. – Zoology, University of California, Davis

California Registered Environmental Assessor (REA I)

Mr. Fehler has over twenty-five years of environmental management experience gained as an environmental consultant; in the chemical manufacturing industry; in the hazardous waste management industry; and as an environmental regulator. He specializes in all aspects of environmental due diligence, regulatory compliance and negotiations, hazardous waste management, and auditing. Mr. Fehler has also received training in Greenhouse Gas and Sustainability Verification.

Mr. Fehler has served as project principal on hundreds of projects with wide-ranging scopes, including peer reviews and desktop reviews; due diligence on large portfolios (200 sites+), as well as single assets; investigation and management of lead, asbestos, mold, and *Legionella*; investigation, remediation and management of contamination in groundwater, soil and soil vapor; regulatory compliance and auditing; and representing clients with regulators to negotiate site closure/No Further Action and/or to develop effective remediation strategies and budgets.

Project experience for Mr. Fehler includes:

- Multiple Site Due Diligence - Managed and designed projects for many large portfolios (100-plus) of varied properties spread across various states. The scopes of work frequently include Indoor Air Quality/mold issues, lead-based paint, asbestos, and radon testing. The design of appropriate Phase II sampling is frequently required to resolve and close issues.

- Environmental Compliance Reviews – Designed and managed many environmental compliance audits for single or multiple assets. Project activities usually involve inspections, interviews, reviewing environmental permits, past environmental reports, standard operating procedures, material safety data sheets (MSDS), and other information related to regulatory compliance in the areas of hazardous materials, hazardous and non-hazardous waste management, workplace health & safety, air permitting and emission reporting, waste water permitting and monitoring, storm water management, underground storage tanks, and aboveground storage tanks.

- Regulatory Negotiation – Managed many Phase II investigations conducted in response to regulatory requirements or to resolve issues and/or to obtain case closure or No Further Action. Represented clients with regulators to negotiate appropriate scopes of work and move projects to successful completion.

APPENDIX I

LIST OF COMMONLY USED ABBREVIATIONS

UNITS

µg/L	Micrograms per Liter	**pCi/L**	PicoCuries per Liter
mg/kg	Milligrams per Kilogram	**ppb**	Parts per Billion
mg/L	Milligrams per Liter	**ppm**	Parts per Million

ABBREVIATIONS AND ACRONYMS

ACM	Asbestos-Containing Material	**NESHAP**	National Emission Standards for Hazardous Air Pollutants
ADJ	Adjacent site	**NFA**	No Further Action
AEI	AEI Consultants	**NFRAP**	No Further Remedial Action Planned
AHERA	Asbestos Hazard Emergency Response Act	**NLR**	No Longer Reporting
APN	Assessor's Parcel Number	**NOV**	Notice of Violation
AST	Aboveground Storage Tank	**NPL**	National Priorities List
AUL	Activity and Use Limitation	**O&M**	Operations and Maintenance
bgs	Below Ground Surface	**OEC**	Other Environmental Considerations
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes	**OSHA**	Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response Compensation and Liability Act	**PCB**	Polychlorinated Biphenyl
CERCLIS	Comprehensive Environmental Response Compensation and Liability Information System	**PCE, PERC**	Perchloroethylene, Tetrachloroethylene, Tetrachloroethene
CESQGs	Conditionally Exempt Small Quantity Generators	**RCRA**	Resource Conservation and Recovery Act
COC	Contaminant of Concern	**REC**	Recognized Environmental Condition
CREC	Controlled Recognized Environmental Condition	**RP**	Responsible Party
EC	Engineering Controls	**SDS**	Safety Data Sheet
EDR	Environmental Data Resources, Inc.	**SEMS**	Superfund Enterprise Management System
EPA	Environmental Protection Agency	**SF**	Square Footage/Square Feet
ERIS	Environmental Risk Information Services	**SP**	Subject Property
ERNS	Emergency Response Notification System	**SQG**	Small Quantity Generator
ESA	Environmental Site Assessment	**SWLF**	Solid Waste Landfill
GPR	Ground-Penetrating Radar	**SVOC**	Semi-Volatile Organic Compound
HREC	Historical Recognized Environmental Condition	**TCE**	Trichloroethylene, Trichloroethene
HVAC	Heating, Ventilation and Air Conditioning	**TPH**	Total Petroleum Hydrocarbons
HWS	Hazardous Waste Site	**TPHd**	Total Petroleum Hydrocarbons (diesel range)
IC	Institutional Controls	**TPHg**	Total Petroleum Hydrocarbons (gasoline range)
LBP	Lead-Based Paint	**TPHo**	Total Petroleum Hydrocarbons (oil range)
LCP	Lead-Containing Paint	**TRPH**	Total Recoverable Petroleum Hydrocarbons
LLP	Landowner Liability Protection	**TSDF**	Treatment, Storage, and Disposal Facility
LQG	Large Quantity Generator	**USDA**	United States Department of Agriculture
LUST	Leaking Underground Storage Tank	**USGS**	United States Geological Survey
MCL	Maximum Contaminant Level	**UST**	Underground Storage Tank
MTBE	Methyl Tertiary Butyl Ether	**VCP**	Voluntary Cleanup Program
ND	None Detected	**VOC**	Volatile Organic Compound