ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

July 11, 2014

Perry Pineda
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039
(*Sent via E-mail to: perry.pineda@shell.com*)

Betty Patton Trust and Mary Biggs Trust
c/o Douglas Patton
5314 Proctor Avenue
Oakland, CA 94618-2732

Betty Patton Trust and Mary Biggs Trust
c/o Greg Biggs
3640 Valley Road
Casper, WY 82604-4982

Subject: Case Closure for Fuel Leak Case No. RO0000121 and GeoTracker Global ID T0600101277, Shell#13-5037, 999 San Pablo Avenue, Albany, CA 94706

Dear Mr. Pineda, Mr. Patton, and Mr. Biggs:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25296.10[g]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed. This case closure letter and the case closure summary can also be viewed on the State Water Resources Control Board's Geotracker website (http://geotracker.swrcb.ca.gov) and the Alameda County Environmental Health website (http://www.acgov.org/aceh/index.htm).

Due to residual contamination, the site was closed with Site Management Requirements that limit future land use to the current commercial land use as an active fueling station. Site Management Requirements are further described in section IV of the attached Case Closure Summary.

If you have any questions, please call Jerry Wickham at (510) 567-6791. Thank you.

Sincerely,

Dilan Roe

Dilan Roe, P.E.
LOP and SCP Program Manager

Enclosures:
1. Remedial Action Completion Certification
2. Case Closure Summary

Cc w/enc.:

Peter Schaefer, Conestoga-Rovers & Associates, 5900 Hollis Street, Suite A
Emeryville, CA 94608 (*Sent via E-mail to: pschaefer@craworld.com*)

City of Albany Community Development, Planning Division, 1000 San Pablo Avenue, Albany, CA 94706 (*Sent via E-mail to: com-dev@albanyca.org*)

Jerry Wickham, ACEH (*Sent via E-mail to: jerry.wickham@acgov.org*)

GeoTracker
eFile (w/orig enc)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6777
FAX (510) 337-9135

REMEDIAL ACTION COMPLETION CERTIFICATION

July 11, 2014

Perry Pineda
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039
(*Sent via E-mail to: perry.pineda@shell.com*)

Betty Patton Trust and Mary Biggs Trust
c/o Douglas Patton
5314 Proctor Avenue
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3640 Valley Road
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Subject: Case Closure for Fuel Leak Case No. RO0000121 and GeoTracker Global ID T0600101277, Shell#13-5037, 999 San Pablo Avenue, Albany, CA 94706

Dear Mr. Pineda, Mr. Patton, and Mr. Biggs:

This letter confirms the completion of a 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 tank(s) 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(s) 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(s) at the site is required.

Please be aware that 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,

Ariu Levi
Director

CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT PROGRAM

I. AGENCY INFORMATION

Date: October 17, 2013

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6791
Responsible Staff Person: Jerry Wickham	Title: Senior Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Shell #13-5037		
Site Facility Address: 999 San Pablo Avenue, Albany, California 94706		
RB Case No.: 01-1383	STID No.: 3670	LOP Case No.: RO0000121
URF Filing Date: ----	Geotracker ID: T0600101277	APN: 65-2661-33
Current Land Use: Active Fueling Station		

Responsible Parties	Addresses	Phone Numbers
Perry Pineda Shell Oil Products US	20945 S. Wilmington Ave. Carson, CA 90810-1039	No phone number
Betty Patton Trust and Mary Biggs Trust c/o Douglas Patton	5314 Proctor Avenue Oakland, CA 94618-2732	No phone number
Betty Patton Trust and Mary Biggs Trust c/o Greg Biggs	3640 Valley Road Casper, WY 82604-4982	No phone number

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
T1	10,000	Gasoline	Removed	10/21/1996
T2	10,000	Gasoline	Removed	10/21/1996
T3	10,000	Gasoline	Removed	10/21/1996
Piping			Removed	10/21/1996

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Release from underground storage tank (UST) system. No evidence of holes, cracks, or other signs of failure were observed during tank removal.		
Site characterization complete? Yes		
Monitoring wells installed? Yes	Number: 9	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 5.25 feet bgs	Lowest Depth: 15.14 feet bgs	Flow Direction: West
Most Sensitive Current Groundwater Use: Potential drinking water source.		

Summary of Production Wells in Vicinity: No water supply wells have been identified within 1,000 feet of the site.	
Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest Surface Water Name: Village Creek is approximately 400 feet south of the site.
Off-Site Beneficial Use Impacts (Addresses/Locations): None identified.	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Free Product	19.3 pounds	Removed from monitoring wells by hand bailing and disposed off-site	May 1980 to June 2012
Soil	310 tons	Disposed at Forward Landfill in Stockton, CA	10/22/1996
Groundwater	----	----	----

LTCP GROUNDWATER SPECIFIC CRITERIA						
LTCP Groundwater Specific Scenario under which case was closed: Scenario 2						
Site Data			LTCP Scenario 1 Criteria (ppb)	LTCP Scenario 2 Criteria (ppb)	LTCP Scenario 3 Criteria (ppb)	LTCP Scenario 4 Criteria (ppb)
Plume Length	170 feet		<100 feet	<250 feet	<250 feet	<1,000 feet
Free Product	No free product		No free product	No free product	Removed to maximum extent practicable	No free product
Plume Stable or Decreasing	Stable and decreasing		Stable or decreasing	Stable or decreasing	Stable or decreasing for minimum of 5 Years	Stable or decreasing
Distance to Nearest Water Supply Well	>2,000 feet		>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Distance to Nearest Surface Water and Direction	400 feet crossgradient		>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Property Owner Willing to Accept a Land Use Restriction?	Not applicable		Not applicable	Not applicable	Yes	Not applicable
GROUNDWATER CONCENTRATIONS						
Constituent	Historic Site Maximum (ppb)	Current Site Maximum (ppb)	LTCP Scenario 1 Criteria (ppb)	LTCP Scenario 2 Criteria (ppb)	LTCP Scenario 3 Criteria (ppb)	LTCP Scenario 4 Criteria (ppb)
Benzene	9,200	160	No criteria	3,000	No criteria	1,000
MTBE	7,200	600	No criteria	1,000	No criteria	1,000
Scenario 5: If the site does not meet scenarios 1 through 4, has a determination been made that under current and reasonably expected future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame?			----			

LTCP VAPOR SPECIFIC CRITERIA							
LTCP Vapor Specific Scenario under which case was closed: Active fueling station exempt from vapor specific criteria							
Active Fueling Station	Active as of 10/14/2013.						
Site Data		LTCP Scenario 1 Criteria	LTCP Scenario 2 Criteria	LTCP Scenario 3A Criteria	LTCP Scenario 3B Criteria	LTCP Scenario 3C Criteria	LTCP Scenario 4 Criteria
Unweathered NAPL	No NAPL	LNAPL in groundwater	LNAPL in soil	No NAPL	No NAPL	No NAPL	No criteria
Thickness of Bioattenuation Zone Beneath Foundation	<3 feet	≥30 feet	≥30 feet	≥5 feet	≥10 feet	≥5 feet	≥5 feet
Total TPH in Bioattenuation Zone	<100 ppm	<100 ppm	<100 ppm	<100 ppm	<100 ppm	<100 ppm	<100 ppm
Maximum Current Benzene Concentration in Groundwater	160	No criteria	No criteria	<100 ppb	≥100 and <1,000 ppb	<1,000 ppb	No criteria
Oxygen Data within Bioattenuation Zone	No oxygen data	No criteria	No criteria	No oxygen data or <4%	No oxygen data or <4%	≥4% at lower end of zone	≥4% at lower end of zone
Depth of soil vapor measurement beneath foundation	----	No criteria	No criteria	No criteria	No criteria	No criteria	≥5 feet

SCENARIO 4 DIRECT MEASUREMENT OF SOIL VAPOR CONCENTRATIONS						
Site Soil Vapor Data			No Bioattenuation Zone		Bioattenuation Zone	
Constituent	Historic Maximum ($\mu g/m^3$)	Current Maximum ($\mu g/m^3$)	Residential	Commercial	Residential	Commercial
Benzene	----	----	<85	<280	<85,000	<280,000
Ethylbenzene	----	----	<1,100	<3,600	<1,100,000	<3,600,000
Naphthalene	----	----	<93	<310	<93,000	<310,000
If the site does not meet scenarios 1 through 4, does a site-specific risk assessment for the vapor intrusion pathway demonstrate that human health is protected?			----			
If the site does not meet scenarios 1 through 4, has a determination been made that petroleum vapors from soil or groundwater will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional controls?			----			

LTCP DIRECT CONTACT AND OUTDOOR AIR EXPOSURE CRITERIA						
LTCP Direct Contact and Outdoor Air Exposure Specific Scenario under which case was closed: A determination been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health.						
Are maximum concentrations less than those in Table 1 below?		Yes				
Constituent		Residential		Commercial/Industrial		Utility Worker
		0 to 5 feet bgs (ppm)	Volatilization to outdoor air (5 to 10 feet bgs) ppm	0 to 5 feet bgs (ppm)	Volatilization to outdoor air (5 to 10 feet bgs) ppm	0 to 10 feet bgs (ppm)
Site Maximum	Benzene	1.4	9.8	1.4	9.8	9.8
LTCP Criteria	Benzene	≤1.9	≤2.8	≤8.2	≤12	≤14
Site Maximum	Ethylbenzene	11	41	11	41	41
LTCP Criteria	Ethylbenzene	≤21	≤32	≤89	≤134	≤314
Site Maximum	Naphthalene	----	----	----	----	----
LTCP Criteria	Naphthalene	≤9.7	≤9.7	≤45	≤45	≤219
Site Maximum	PAHs	----	----	----	----	----
LTCP Criteria	PAHs	≤0.063	NA	≤0.68	NA	≤4.5
If maximum concentrations are greater than those in Table 1, are they less than levels from a site-specific risk assessment?		----				
If maximum concentrations are greater than those in Table 1, has a determination been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional controls?		Yes, see section V. Additional Comments				

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? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, closure of this site appears to be consistent with the policies established by the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy which became effective on August 17, 2012.		
Site Management Requirements: This fuel leak case has been evaluated for closure consistent with the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). Separate phase hydrocarbons (SPH) were recovered within an area of the site until as recently as 2011. The SPH likely is present within the capillary fringe approximately 5 to 9 feet below ground surface. Because the site is an active commercial fueling station, the LTCP does not require evaluation of the potential for vapor intrusion to indoor air and does not consider the potential for vapor intrusion if land use changes in the future. No soil vapor sampling has been conducted and the site has not been evaluated for vapor intrusion to indoor air. Under the current land use as an active fueling station, the site is not required to meet media-specific criteria for vapor intrusion to indoor air. Therefore, case closure is granted for the current commercial land use as an active fueling station. If a change in land use to any residential, commercial other than as a commercial fueling station, or conservative land use, or if any redevelopment occurs, Alameda County Environmental Health (ACEH) must be notified as required by Government Code Section 65850.2.2. Due to the potential for vapor intrusion to indoor air for future buildings, ACEH will re-evaluate the case upon receipt of approved development/construction plans. Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.		
Should corrective action be reviewed if land use changes? Yes		
Was a deed restriction or deed notification filed? No		Date Recorded: ----
Monitoring Wells Decommissioned: No	Number Decommissioned: 0	Number Retained: 9
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: ----		

V. ADDITIONAL COMMENTS AND CONCLUSIONS

Additional Comments:

The maximum concentrations of benzene and ethylbenzene in soil between 5 and 10 feet bgs were less than the LTCP criteria for volatilization to outdoor air under a commercial land use scenario but were greater than the LTCP criteria for volatilization to outdoor air under a residential land use scenario. These maximum petroleum concentrations are not expected to pose a significant risk to human health through direct contact or outdoor air exposure based on the following:

1. The soil sample (S-A-10') with the maximum benzene and ethylbenzene concentrations was collected in 1990 from a depth of 10 feet. These concentrations have likely decreased over that past 23 years due to biodegradation.
2. A shallower soil sample (S-A-5') collected 1990 from a depth of 5 feet bgs at the same location contained 13 ppm of TPHg. Therefore, it appears that a bioattenuation zone at least 5 feet thick is present above the S-A-10' sample. The bioattenuation zone likely decreases the potential for volatilization to indoor or outdoor air.

Napthalene was not an analyte in shallow soil samples. However, since the release at the site consisted primarily of gasoline and benzene and ethylbenzene concentrations in shallow soil do not exceed media-specific criteria for direct contact, napthalene concentrations in shallow soil are not likely to exceed the LTCP media-specific criteria.

Conclusion:

Alameda County Environmental Health staff believe that the site meets the conditions for case closure under the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy. Based upon the information available in our files to date, no further investigation or cleanup for the fuel leak case is necessary at this time.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Jerry Wickham, P.G.	Title: Senior Hazardous Materials Specialist
Signature: Jerry W Wickham	Date: 1/2/2014
Approved by: Dilan Roe, P.E.	Title: Program Manager – Local Oversight Program
Signature: Dilan Roe	Date: 1/2/2014

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD AND PUBLIC NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
Regional Board Notification Date: October 29, 2013	
Public Notification Date: October 29, 2013	

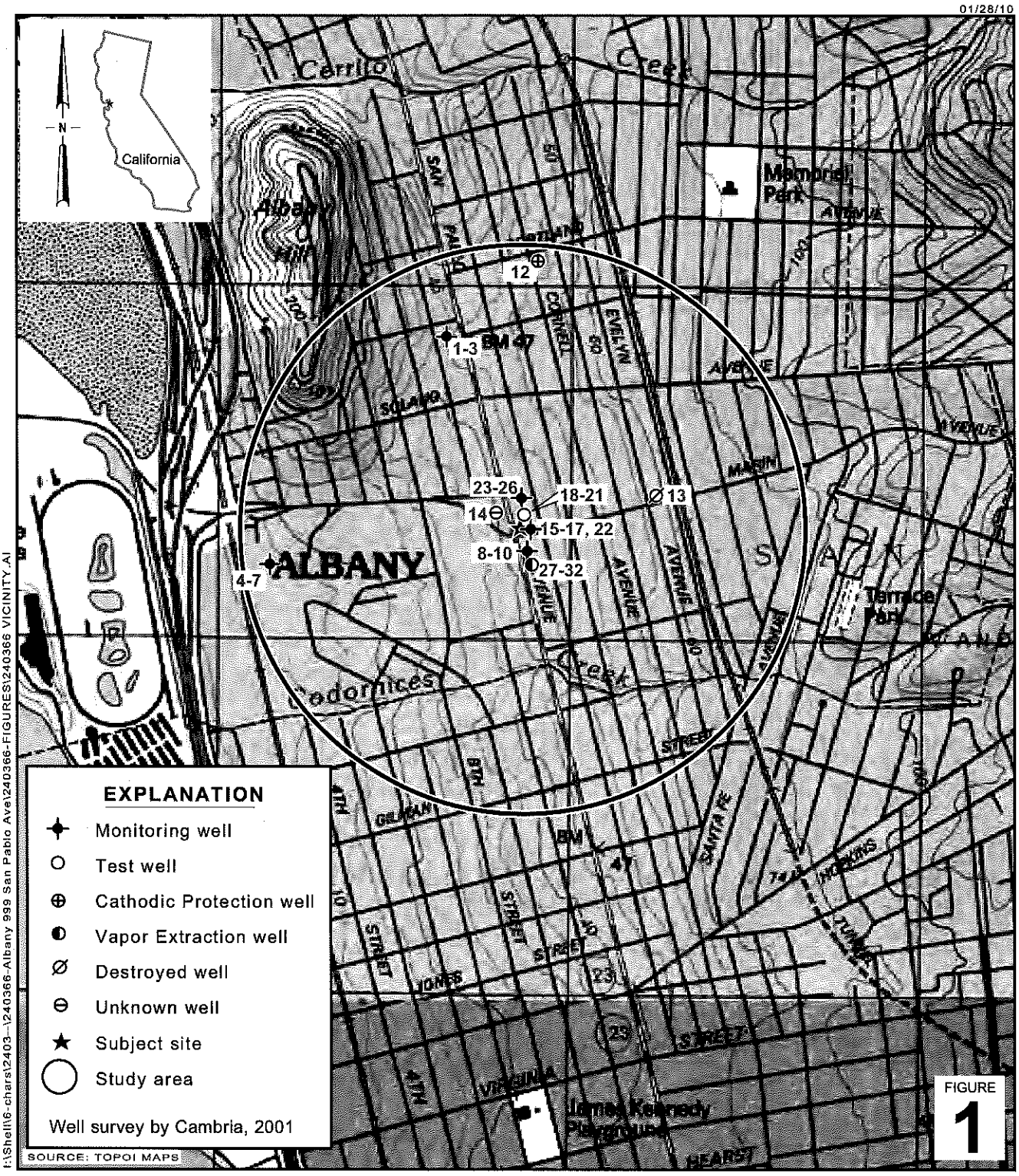
VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH: 03/13/14	Date of Well Decommissioning Report: 07/09/14	
All Monitoring Wells Decommissioned: (Yes) No	Number Decommissioned: 11	Number Retained: 0
Reason Wells Retained: NA		
Additional requirements for submittal of groundwater data from retained wells: None		
ACEH Concurrence - Signature: Jerry Wickham		Date: 07/10/14

Attachments:

1. Site Vicinity Map and Aerial Photo (2 pp)
2. Site Plan (1 p)
3. Groundwater Contour and Chemical Concentration Maps (2 pp)
4. Soil Analytical Data (6 pp)
5. Groundwater Analytical Data (19 pp)
6. Cross Sections and Concentration Graphs (5 pp)

This document and the related CASE CLOSURE LETTER & REMEDIAL ACTION COMPLETION CERTIFICATE shall be retained by the lead agency as part of the official site file.



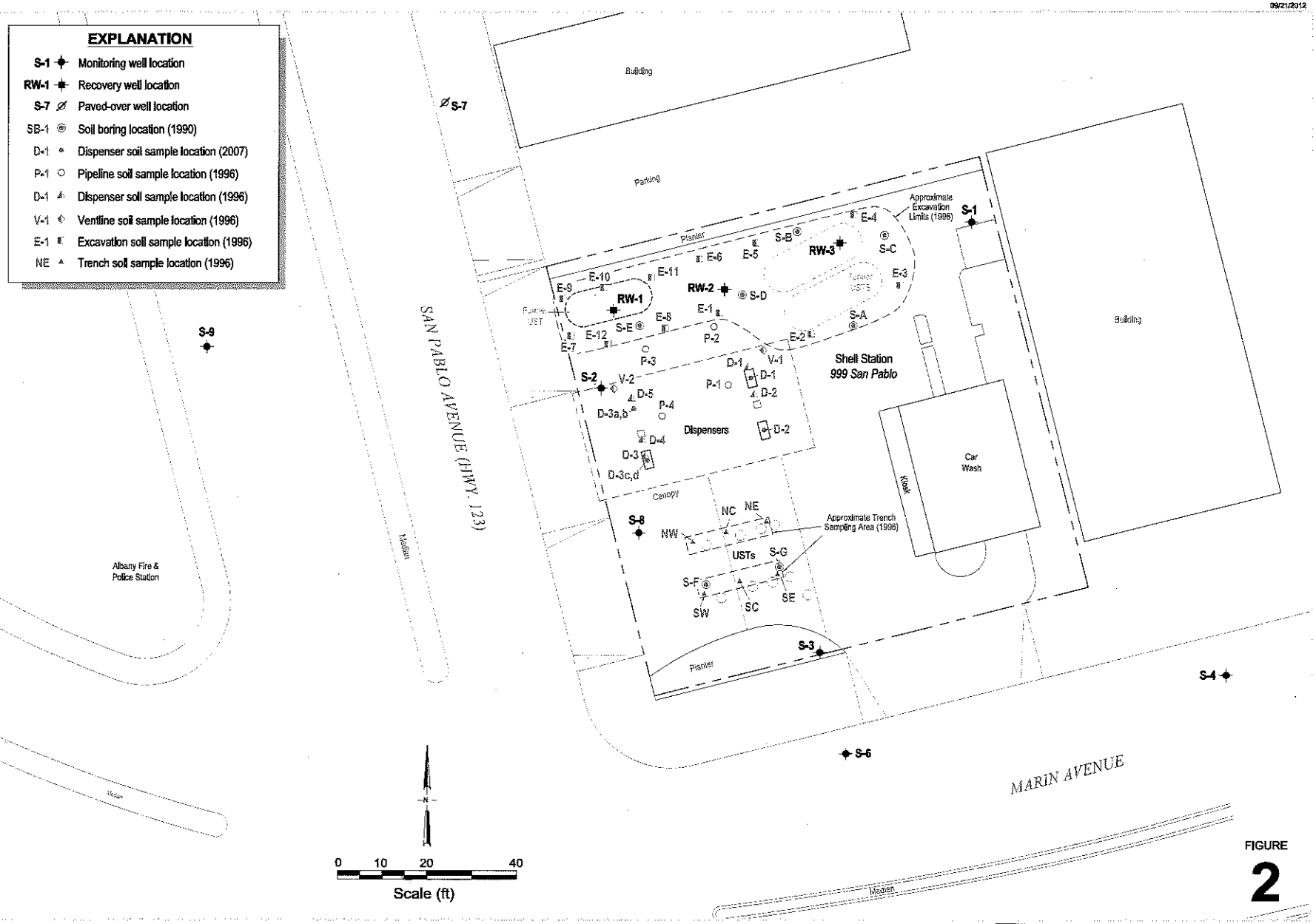
Shell-branded Service Station
999 San Pablo Avenue
Albany, California

Vicinity Map

CONESTOGA-ROVERS
& ASSOCIATES

ATTACHMENT 1

09/21/2012



Site Plan

CONESTOGA-ROVERS & ASSOCIATES

FIGURE 2

Shell-branded Service Station
999 San Pablo Avenue
Albany, California

ATTACHMENT 2

I:\Shell\5-chart\2403-1240366-Albany 999 San Pablo Ave\240366-FIGURES\240366 SITE PLAN.DWG

EXPLANATION

- B-9 ◉ Soil boring location (Shell, 2013)
- S-1 Monitoring well location (Shell)
- RW-1 Recovery well location (Shell)
- SB-1 Soil boring location (Shell, 1990)
- S-7 ∅ Paved-over well location (Shell)
- MW-1 Monitoring well location (Arco)
- S-5 Monitoring well approximate location (Arco)
- VW-1 Vapor extraction well location (Arco)
- AS-1 Air sparge well location (Arco)
- RW-1 Recovery well location (Arco)

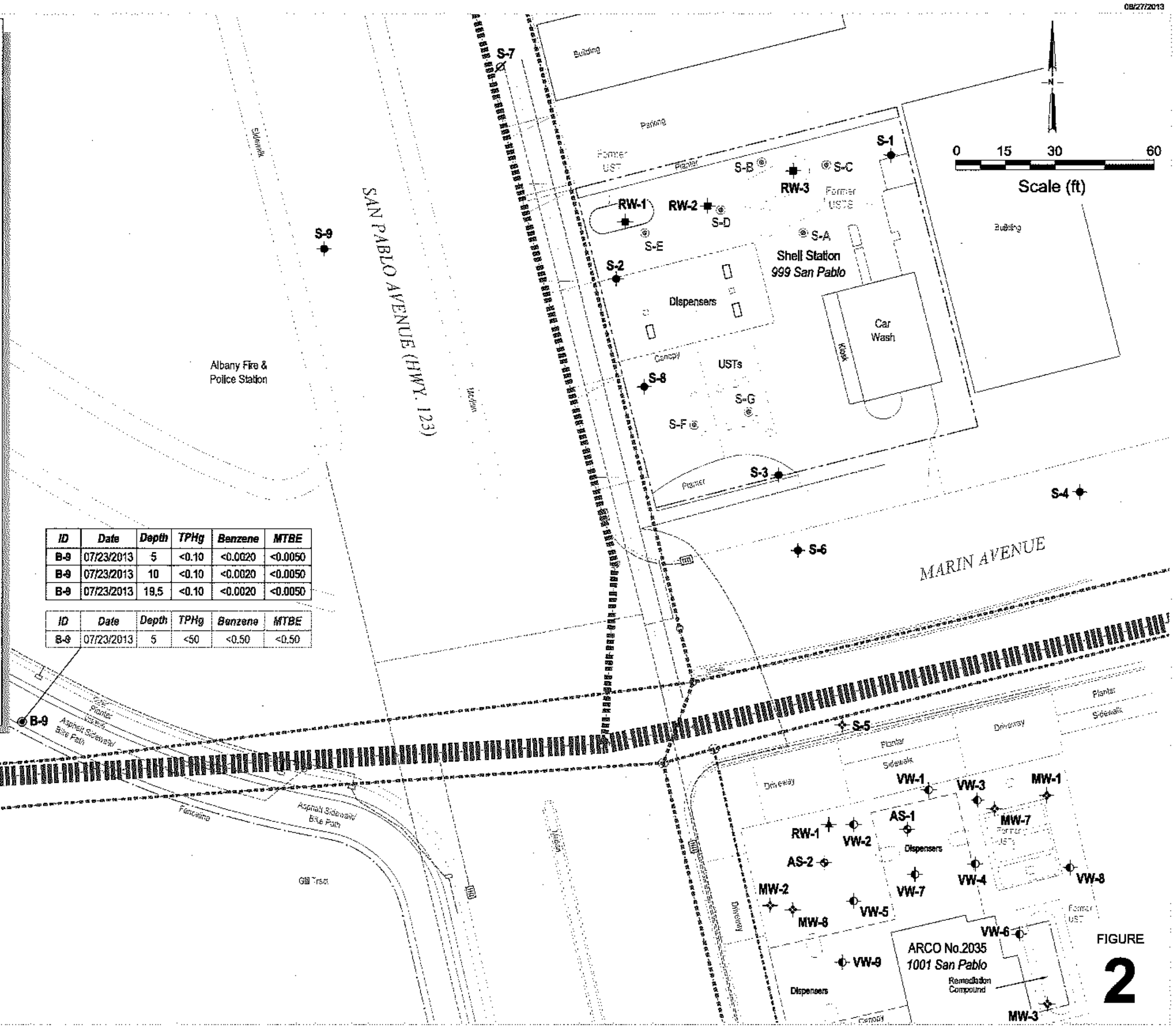
- Gas line (G)
- Electrical line (E)
- Electrical vault (E)
- Water line (W)
- Sanitary sewer line (SAN)
- Storm drain line (STM)
- Storm drain inlet

ID	Date	Depth	TPHg	Benzene	MTBE
B-9	07/23/2013	5	<0.10	<0.0020	<0.0050
B-9	07/23/2013	10	<0.10	<0.0020	<0.0050
B-9	07/23/2013	19.5	<0.10	<0.0020	<0.0050

Notes:
Soil sample ID, date, depth in feet below grade (fbg), and concentrations in milligrams per kilogram
TPHg = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tertiary-butyl ether
<X = Not detected at reporting limit X

ID	Date	Depth	TPHg	Benzene	MTBE
B-9	07/23/2013	5	<50	<0.50	<0.50

Notes:
Grab groundwater sample ID, date, depth in fbg, and concentrations in micrograms per liter



ID	Date	Depth	TPHg	Benzene	MTBE
B-9	07/23/2013	5	<0.10	<0.0020	<0.0050
B-9	07/23/2013	10	<0.10	<0.0020	<0.0050
B-9	07/23/2013	19.5	<0.10	<0.0020	<0.0050

ID	Date	Depth	TPHg	Benzene	MTBE
B-9	07/23/2013	5	<50	<0.50	<0.50

Soil and Grab Groundwater Concentration Map

CONESTOGA-ROVERS & ASSOCIATES

FIGURE **2**

Shell-branded Service Station
999 San Pablo Avenue
Albany, California

I:\Shell\6-chars\2403-\240365-Albany 999 San Pablo Ave\240365-FIGURES\240365 SITE PLAN.DWG

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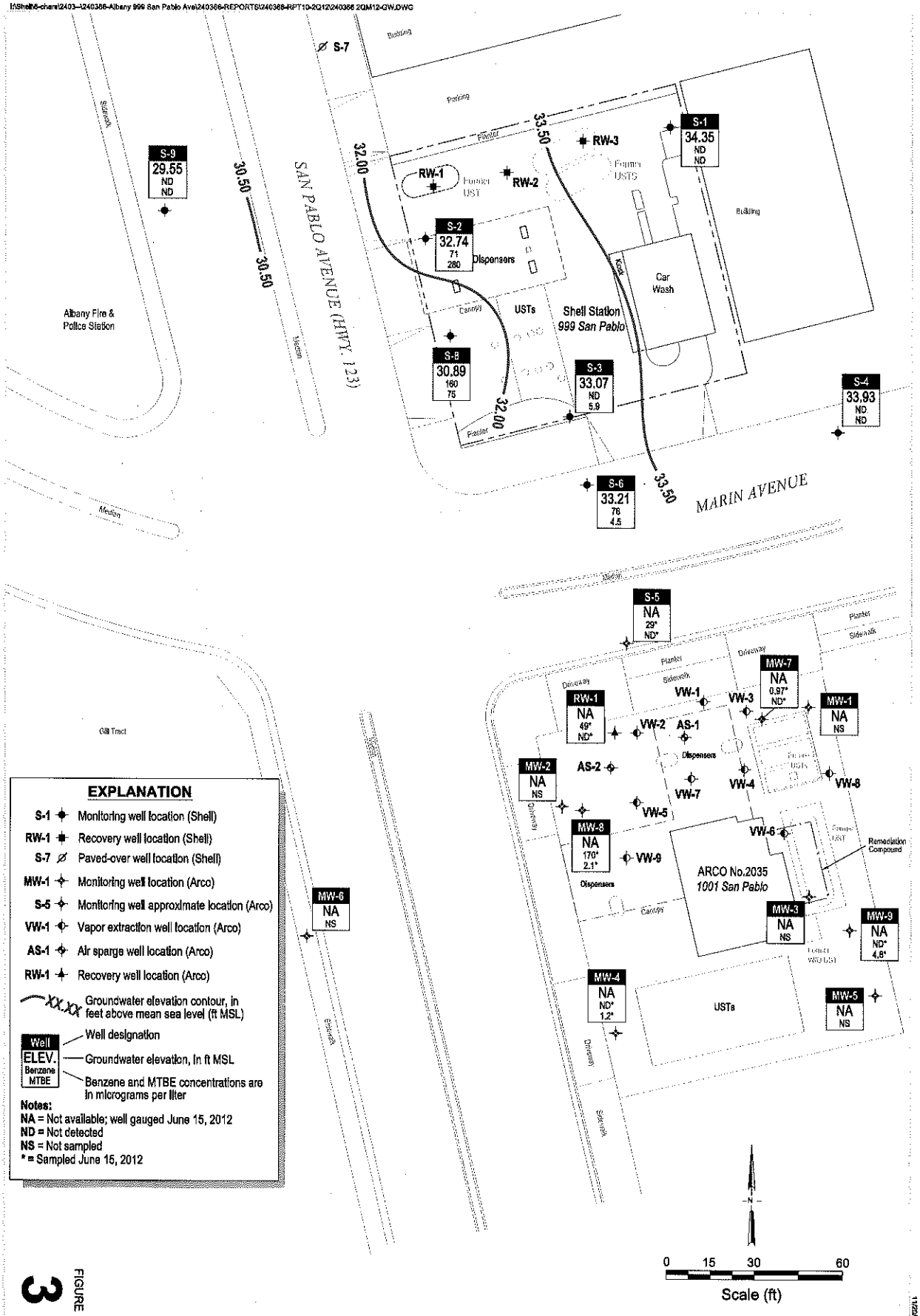


EXPLANATION

- S-1 — Monitoring well location (Shell)
- RW-1 — Recovery well location (Shell)
- S-7 — Paved-over well location (Shell)
- MW-1 — Monitoring well location (Arco)
- S-5 — Monitoring well approximate location (Arco)
- VW-1 — Vapor extraction well location (Arco)
- AS-1 — Air sparge well location (Arco)
- RW-1 — Recovery well location (Arco)
- XX.XX — Groundwater elevation contour, in feet above mean sea level (ft MSL)

Well / ELEV. / Benzene / MTBE

- Well designation
- Groundwater elevation, in ft MSL
- Benzene and MTBE concentrations are in micrograms per liter

Notes:
NA = Not available; well gauged June 15, 2012
ND = Not detected
NS = Not sampled
***** = Sampled June 15, 2012

N

0 15 30 60
Scale (ft)

FIGURE 3

Shell-branded Service Station
999 San Pablo Avenue
Albany, California

CONESTOGA-ROVERS & ASSOCIATES

Groundwater Contour and Chemical Concentration Map

ATTACHMENT 3

11/20/2012

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg (mg/kg)*	*B (mg/kg)*	*T (mg/kg)*	*E (mg/kg)*	*X (mg/kg)*	*MTBE (mg/kg)*	*TBA (mg/kg)*	*DIPE (mg/kg)*	*ETBE (mg/kg)*	*TAME (mg/kg)*	*1,2-DCA (mg/kg)*	*EDB (mg/kg)*	*Ethanol (mg/kg)*	*Total Lead (mg/kg)*
S-A-5'	1/29/1990	5	13	0.26	<0.025	0.46	0.91	—	—	—	—	—	—	—	—	—
S-A-10'	1/29/1990	10	1,900	**9.8**	**10**	**41**	**250**	—	—	—	—	—	—	—	—	—
S-B-5'	1/29/1990	5	5.6	<0.025	<0.025	0.028	0.09	—	—	—	—	—	—	—	—	—
S-B-15'	1/29/1990	15	<2.5	<0.025	<0.025	<0.025	0.09	—	—	—	—	—	—	—	—	—
S-C-5'	1/29/1990	5	48	<0.2	<0.2	0.27	0.7	—	—	—	—	—	—	—	—	—
S-C-10'	1/29/1990	10	470	<1	1	**8**	**28**	—	—	—	—	—	—	—	—	—
S-D-15'	1/29/1990	15	94	0.63	0.31	2.5	1.4	—	—	—	—	—	—	—	—	—
S-E-5'	1/29/1990	5	21	0.38	0.036	0.40	0.44	—	—	—	—	—	—	—	—	—
S-E-10'	1/29/1990	10	<2.5	<0.025	<0.025	0.026	0.06	—	—	—	—	—	—	—	—	—
S-F–5'	1/29/1990	5	<2.5	<0.025	<0.025	<0.025	<0.05	—	—	—	—	—	—	—	—	—
S-F-10'	1/29/1990	10	120	0.44	0.10	<0.8	0.8	—	—	—	—	—	—	—	—	—
S-G-10'	1/29/1990	10	6.5	0.032	<0.025	<0.025	0.07	—	—	—	—	—	—	—	—	—
S-G-15'	1/29/1990	15	<2.5	<0.025	<0.025	<0.025	<0.05	—	—	—	—	—	—	—	—	—
S-1-10'	1/30/1990	10	6.2	<0.06	<0.025	0.096	0.32	—	—	—	—	—	—	—	—	—
S-1-14'	1/30/1990	14	<2.5	<0.025	<0.025	<0.025	<0.05	—	—	—	—	—	—	—	—	—
S-2–5'	1/30/1990	5	<2.5	<0.025	<0.025	<0.025	<0.05	—	—	—	—	—	—	—	—	—
S-2-10'	1/30/1990	10	250	**2.5**	0.8	**6.5**	8.6	—	—	—	—	—	—	—	—	—
S-3-10'	1/30/1990	10	18	<0.03	<0.025	<0.025	0.11	—	—	—	—	—	—	—	—	—
S-3-15'	1/30/1990	15	<2.5	<0.025	<0.025	<0.025	<0.05	—	—	—	—	—	—	—	—	—
S-4-5	4/16/1990	5	<2.5	<0.025	<0.025	<0.025	<0.05	—	—	—	—	—	—	—	—	—
S-4-9	4/16/1990	9	<2.5	<0.025	<0.025	<0.025	<0.05	—	—	—	—	—	—	—	—	—

ATTACHMENT 4

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg (mg/kg)*	*B (mg/kg)*	*T (mg/kg)*	*E (mg/kg)*	*X (mg/kg)*	*MTBE (mg/kg)*	*TBA (mg/kg)*	*DIPE (mg/kg)*	*ETBE (mg/kg)*	*TAME (mg/kg)*	*1,2-DCA (mg/kg)*	*EDB (mg/kg)*	*Ethanol (mg/kg)*	*Total Lead (mg/kg)*
S-5-5	4/16/1990	5	<2.5	<0.025	<0.025	<0.025	<0.05	—	—	—	—	—	—	—	—	—
S-5-12	4/16/1990	12	25	0.30	0.12	0.51	1.2	—	—	—	—	—	—	—	—	—
S-5-15	4/16/1990	15	130	1.9	7.5	3.3	**18**	—	—	—	—	—	—	—	—	—
S-6-6	8/15/1990	6	180	0.2	0.4	0.5	1.5	—	—	—	—	—	—	—	—	—
S-6-9	8/15/1990	9	**770**	**2.2**	2.8	**6.8**	5.1	—	—	—	—	—	—	—	—	—
S-6-19.5	8/15/1990	19.5	<1	<0.005	<0.005	<0.005	<0.005	—	—	—	—	—	—	—	—	—
S-7-9	8/15/1990	9	<1	<0.005	<0.005	<0.005	<0.005	—	—	—	—	—	—	—	—	—
S-7-19.5	8/15/1990	19.5	<1	<0.005	<0.005	<0.005	<0.005	—	—	—	—	—	—	—	—	—
B1-8.0	7/31/1996	8	110	<0.10	0.43	1.1	3.1	—	—	—	—	—	—	—	—	—
B1-13.0	7/31/1996	13	25	<0.050	0.082	0.11	0.20	—	—	—	—	—	—	—	—	—
B1-17.0	7/31/1996	17	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—
B1-3.0, 8.0, 13.0, 17.0	7/31/1996	a	2.4	0.015	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—
B2-8.0	7/31/1996	8	6.4	0.0056	0.035	0.021	0.063	—	—	—	—	—	—	—	—	—
B2-13.0	7/31/1996	13	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—
B2-17.0	7/31/1996	17	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—
B2-3.0, 8.0, 13.0, 17.0	7/31/1996	a	1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—
B3-8.0	7/31/1996	8	1.5	0.0058	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—
B3-13.0	7/31/1996	13	81	0.62	<0.10	0.34	0.56	—	—	—	—	—	—	—	—	—
B3-17.0	7/31/1996	17	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—
B3-3.0, 8.0, 13.0, 17.0	7/31/1996	a	1.3	0.0064	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—
B4-8.0	7/31/1996	8	2.2	<0.0050	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—
B4-13.0	7/31/1996	13	3.2	0.048	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—
B4-17.0	7/31/1996	17	1.3	<0.0050	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—
B4-3.0, 8.0, 13.0, 17.0	7/31/1996	a	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—	—
B5-8.0	7/31/1996	8	160	<0.0050	0.48	0.45	0.63	—	—	—	—	—	—	—	—	—

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg (mg/kg)*	*B (mg/kg)*	*T (mg/kg)*	*E (mg/kg)*	*X (mg/kg)*	*MTBE (mg/kg)*	*TBA (mg/kg)*	*DIPE (mg/kg)*	*ETBE (mg/kg)*	*TAME (mg/kg)*	*1,2-DCA (mg/kg)*	*EDB (mg/kg)*	*Ethanol (mg/kg)*	*Total Lead (mg/kg)*
B5-13.0	7/31/1996	13	280	<0.12	1.2	1.2	1.4	---	---	---	---	---	---	---	---	---
B5-3.0, 8.0, 13.0	7/31/1996	a	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---
B6-8.0	7/31/1996	8	81	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---
B6-13.0	7/31/1996	13	87	<0.050	0.39	0.27	0.57	---	---	---	---	---	---	---	---	---
B6-17.0	7/31/1996	17	<1.0	<0.10	0.28	0.29	0.52	---	---	---	---	---	---	---	---	---
B6-3.0, 8.0, 13.0, 17.0	7/31/1996	a	2.4	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---
B7-8.0	7/31/1996	8	22	<0.025	<0.025	0.086	0.18	---	---	---	---	---	---	---	---	---
B7-13.0	7/31/1996	13	65	<0.025	<0.025	0.10	0.26	---	---	---	---	---	---	---	---	---
B7-17.0	7/31/1996	17	20	<0.012	0.089	0.071	0.13	---	---	---	---	---	---	---	---	---
B7-3.0, 8.0, 13.0, 17.0	7/31/1996	a	<1.0	0.012	0.0095	0.011	0.032	---	---	---	---	---	---	---	---	---
B8-8.0	7/31/1996	8	220	<0.012	0.90	1.7	1.6	---	---	---	---	---	---	---	---	---
B8-13.0	7/31/1996	13	<1.0	0.0094	0.0086	0.01	0.038	---	---	---	---	---	---	---	---	---
B8-17.0	7/31/1996	17	<1.0	0.010	0.012	0.11	0.036	---	---	---	---	---	---	---	---	---
B8-3.0, 8.0, 13.0, 17.0	7/31/1996	a	<1.0	<0.0050	0.0088	0.0056	0.018	---	---	---	---	---	---	---	---	---
SW-8	10/25/1996	8	260	<0.10	0.53	0.36	1.3	<0.50	---	---	---	---	---	---	---	---
SW-12	10/25/1996	12	6.6	0.047	0.028	0.019	0.069	0.042	---	---	---	---	---	---	---	---
SW-15	10/25/1996	15	4.9	0.0055	0.012	0.011	0.036	<0.025	---	---	---	---	---	---	---	---
SC-8	10/25/1996	8	58	<0.050	0.14	0.071	0.26	<0.25	---	---	---	---	---	---	---	---
SC-12	10/25/1996	12	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SC-15	10/25/1996	15	1.9	0.027	0.077	0.036	0.13	0.025	---	---	---	---	---	---	---	---
SE-4.5	10/25/1996	4.5	7.2	0.062	0.0090	0.0071	0.017	<0.025	---	---	---	---	---	---	---	---
SE-8	10/25/1996	8	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SE-12	10/25/1996	12	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SE-15	10/25/1996	15	58	<0.050	<0.050	0.32	0.11	<0.25	---	---	---	---	---	---	---	---
NW-3	10/25/1996	3	3.0	<0.0050	<0.0050	<0.0050	0.0058	<0.025	---	---	---	---	---	---	---	---

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg (mg/kg)*	*B (mg/kg)*	*T (mg/kg)*	*E (mg/kg)*	*X (mg/kg)*	*MTBE (mg/kg)*	*TBA (mg/kg)*	*DIPE (mg/kg)*	*ETBE (mg/kg)*	*TAME (mg/kg)*	*1,2-DCA (mg/kg)*	*EDB (mg/kg)*	*Ethanol (mg/kg)*	*Total Lead (mg/kg)*
NW-8	10/25/1996	8	34	0.32	0.086	0.15	0.20	0.37	---	---	---	---	---	---	---	---
NW-12	10/25/1996	12	<1.0	0.017	<0.0050	0.018	0.014	0.056	---	---	---	---	---	---	---	---
NW-15	10/25/1996	15	<1.0	0.035	<0.0050	0.036	0.013	0.10	---	---	---	---	---	---	---	---
NC-3	10/25/1996	3	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
NC-8	10/25/1996	8	**1,500**	<1.0	<1.0	**24**	**130**	**8.9**	---	---	---	---	---	---	---	---
NC-12	10/25/1996	12	<1.0	<0.0050	<0.0050	0.0059	0.0070	<0.025	---	---	---	---	---	---	---	---
NC-15	10/25/1996	15	4.1	0.037	0.032	0.15	0.34	0.042	---	---	---	---	---	---	---	---
NE-3	10/25/1996	3	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
NE-8	10/25/1996	8	**620**	<0.025	<0.25	**5.0**	**23**	3.6	---	---	---	---	---	---	---	---
NE-12	10/25/1996	12	3.4	0.041	0.014	0.064	0.21	0.032	---	---	---	---	---	---	---	---
NE-15	10/25/1996	15	<1.0	0.12	<0.0050	0.021	0.0072	<0.025	---	---	---	---	---	---	---	---
E-1, 10.5	10/22/1996	10.5	250	1.6	<0.12	0.18	1.9	4.1	---	---	---	---	---	---	---	---
E-2, 10.5	10/22/1996	10.5	**6,000**	**35**	3.2	2.9	**340**	**15**	---	---	---	---	---	---	---	---
E-3, 11	10/22/1996	11	150	1.3	<0.025	0.071	4.1	0.95	---	---	---	---	---	---	---	---
E-4, 11	10/22/1996	11	9.9	0.12	0.020	<0.0050	0.22	0.99	---	---	---	---	---	---	---	---
E-5, 11	10/22/1996	11	1,100	**5.7**	0.91	<0.50	**44**	6.8	---	---	---	---	---	---	---	---
E-6, 10.5	10/22/1996	10.5	**6,400**	**44**	**41**	**60**	**450**	**30**	---	---	---	---	---	---	---	---
E-7, 10.5	11/1/1996	10.5	29	0.11	<0.025	0.23	0.43	1.6	---	---	---	---	---	---	---	12
E-8, 10.5	11/1/1996	10.5	2,300	**9.5**	2.9	**42**	**70**	**18**	---	---	---	---	---	---	---	9.9
E-9, 10.5	11/1/1996	10.5	140	<0.25	<0.25	0.25	0.80	<1.2	---	---	---	---	---	---	---	9.4
E-10, 10.5	11/1/1996	10.5	400	1.1	0.79	1.6	4.9	2.7	---	---	---	---	---	---	---	10
E-11, 10.5	11/1/1996	10.5	660	**3.0**	2.8	**11**	**53**	8.1	---	---	---	---	---	---	---	6.8
E-12, 10.5	11/1/1996	10.5	**4,600**	**38**	**18**	**76**	**39**	**9.4**	---	---	---	---	---	---	---	30
D-1	11/1/1996		<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.17	---	---	---	---	---	---	---	11
D-2	11/1/1996		30	0.050	0.13	0.28	0.31	2.0	---	---	---	---	---	---	---	8.2
D-3	11/1/1996		**1,900**	<1.2	2.7	11	29	<6.2	---	---	---	---	---	---	---	21
D-4	11/1/1996		2.0	0.0053	<0.0050	<0.0050	0.023	0.56	---	---	---	---	---	---	---	5.7
D-5	11/1/1996		2.8	0.029	0.0088	0.0098	0.022	1.3	---	---	---	---	---	---	---	7.1

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg (mg/kg)*	*B (mg/kg)*	*T (mg/kg)*	*E (mg/kg)*	*X (mg/kg)*	*MTBE (mg/kg)*	*TBA (mg/kg)*	*DIPE (mg/kg)*	*ETBE (mg/kg)*	*TAME (mg/kg)*	*1,2-DCA (mg/kg)*	*EDB (mg/kg)*	*Ethanol (mg/kg)*	*Total Lead (mg/kg)*
P-1	11/1/1996		1.3	0.013	<0.0050	0.0061	0.017	0.89	—	—	—	—	—	—	—	8.3
P-2	11/1/1996		22	0.061	<0.025	0.24	0.12	10	—	—	—	—	—	—	—	8.7
P-3	11/1/1996		2.1	0.046	<0.0050	0.0087	0.024	4.1	—	—	—	—	—	—	—	8.7
P-4	11/1/1996		12	0.078	0.027	0.066	0.97	1.9	—	—	—	—	—	—	—	6.7
V-1	11/1/1996		280	**1.4**	1.1	0.75	2.6	<1.2	—	—	—	—	—	—	—	6.9
V-2	11/1/1996		2.9	0.021	0.014	<0.0050	<0.0050	0.57	—	—	—	—	—	—	—	6.9
S-8-5'	5/6/2004	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.046	—	—	—	—	—	—	—	—
S-8-9.5'	5/6/2004	9.5	6.1	<0.0050	<0.0050	0.0081	0.0059	0.066	—	—	—	—	—	—	—	—
S-8-15.5'	5/6/2004	15.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.10	—	—	—	—	—	—	—	—
S-9-6'	5/6/2004	6	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—
S-9-11'	5/6/2004	11	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—
S-9-15.5'	5/6/2004	15.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	—	—	—	—	—	—	—	—
D-1	12/6/2007	4.5	290	<0.005	<0.005	0.014	0.0079	0.015	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.10	51
D-2	12/6/2007	4.5	<0.10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.10	6.3
D-3a	12/6/2007	4	15	<0.005	<0.005	<0.005	<0.005	0.029	0.021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.10	5.5
D-3b	12/6/2007	5.5	7.8	<0.005	<0.005	<0.005	<0.005	0.27	0.14	<0.005	<0.005	<0.005	<0.005	<0.005	<0.10	6.0
D-3c	12/6/2007	3	**1,200**	0.063	<0.05	4.5	0.05	0.31	<5.0	<0.025	<0.025	<0.025	<0.025	<0.025	<10	9.6
D-3d	12/6/2007	5.5	430	<0.25	<0.25	3.0	0.35	0.17	<25	<0.12	<0.12	<0.12	<0.12	<0.12	<50	11.0
B-9-5'	7/23/2013	5	<0.10	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.10	—	—	—	<0.0020	<0.0020	—	—
B-9-10'	7/23/2013	10	<0.10	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.10	—	—	—	<0.0020	<0.0020	—	—
B-9-19.5'	7/23/2013	19.5	<0.10	<0.0020	<0.0020	<0.0020	<0.0040	<0.0050	<0.10	—	—	—	<0.0020	<0.0020	—	—
Shallow Soil (≤10 fbg) ESL [b]:			500	1.2	9.3	4.7	11	8.4	110	NA	NA	NA	0.91	0.51	NA	320
Deep Soil (>10 fbg) ESL [b]:			2,400	1.2	9.3	4.7	11	8.4	110	NA	NA	NA	0.91	0.51	NA	320

HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg (mg/kg)*	*B (mg/kg)*	*T (mg/kg)*	*E (mg/kg)*	*X (mg/kg)*	*MTBE (mg/kg)*	*TBA (mg/kg)*	*DIPE (mg/kg)*	*ETBE (mg/kg)*	*TAME (mg/kg)*	*1,2-DCA (mg/kg)*	*EDB (mg/kg)*	*Ethanol (mg/kg)*	*Total Lead (mg/kg)*

Notes:
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; before May 6, 2004, analyzed by EPA Method 8015.
Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; before May 6, 2004, analyzed by EPA Method 8020.
MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B; prior to May 6, 2004 analyzed by EPA Method 8020.
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B
DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
1,2-DCA = 1,2-Dichloroethane analyzed by EPA Method 8260B
EDB = 1,2-Dibromoethane analyzed by EPA Method 8260B
Ethanol analyzed by EPA Method 8260B
Total Lead analyzed by EPA Method 6010
fbg = Feet below grade
mg/kg = Milligrams per kilogram
<x = Not detected at reporting limit x
--- = Not analyzed
ESL = Environmental screening level
NA = No appropriate ESL
Results in **bold** equal or exceed applicable ESL
Shading indicates that soil sample location was subsequently excavated; results are not representative of residual soil.

a = Composite sample
b = San Francisco Bay Regional Water Quality Control Board commercial/industrial ESL for soil where groundwater is not a source of drinking water (Tables B and D of *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater*, California Regional Water Quality Control Board, Interim Final - November 2007 [Revised May 2008] - Updated May 2013).

TABLE 2

GRAB GROUNDWATER ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*1,2-DCA (µg/L)*	*EDB (µg/L)*
B-9-19.5'W	7/23/2013	19.5	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50
Groundwater ESL [a]:			500	27	130	47	100	1,800	18,000	100	77

Notes:
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B
Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B
MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B
1,2-DCA = 1,2-Dichloroethane analyzed by EPA Method 8260B
EDB = 1,2-Dibromoethane analyzed by EPA Method 8260B
µg/L = Micrograms per liter
<x = Not detected at reporting limit x
ESL = Environmental screening level
Results in **bold** equal or exceed applicable ESL

a = San Francisco Bay Regional Water Quality Control Board ESL for groundwater where groundwater is a source of drinking water (Table C of *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater*, California Regional Water Quality Control Board, Interim Final - November 2007 [Revised May 2008] - Updated May 2013).

ATTACHMENT 5

TABLE 2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-1	05/13/1991	1,500	20	2.6	86	74	—	—	—	—	—	—	42.73	8.24	34.49	—	—
S-1	08/23/1991	2,900	27	<2.5	75	18	—	—	—	—	—	—	42.73	8.37	34.36	—	—
S-1	11/07/1991	2,900	8.0	2.5	46	26	—	—	—	—	—	—	42.73	8.30	34.43	—	—
S-1	01/28/1992	2,000	11	<2.5	60	20	—	—	—	—	—	—	42.73	7.84	34.89	—	—
S-1	05/06/1992	1,200	5.5	<2.5	80	36	—	—	—	—	—	—	42.73	7.95	34.78	—	—
S-1	08/26/1992	2,000	9.4	<2.5	130	<2.5	—	—	—	—	—	—	42.73	8.24	34.49	—	—
S-1	10/28/1992	1,300	27	3.2	72	13	—	—	—	—	—	—	42.73	8.52	34.21	—	—
S-1	01/19/1993	1,500	13	3.0	29	31	—	—	—	—	—	—	42.73	6.54	36.19	—	—
S-1	04/29/1993	2,000	15	<2.5	82	<6.5	—	—	—	—	—	—	42.73	7.93	34.80	—	—
S-1	07/22/1993	620	1.1	4.2	3.5	13	—	—	—	—	—	—	42.73	8.09	34.64	—	—
S-1	10/21/1993	1,200	34	25	15	9.5	—	—	—	—	—	—	42.73	9.43	33.30	—	—
S-1	01/04/1994	860	<2.5	<2.5	5.7	5.3	—	—	—	—	—	—	42.73	8.25	34.48	—	—
S-1	04/13/1994	—	—	—	—	—	—	—	—	—	—	—	42.73	8.02	34.71	—	—
S-1	07/25/1994	1,200	8.3	7.4	15	20	—	—	—	—	—	—	42.73	8.22	34.51	—	—
S-1	10/10/1994	—	—	—	—	—	—	—	—	—	—	—	42.73	8.29	34.44	—	—
S-1	01/26/1995	1,000	12	0.60	12	420	—	—	—	—	—	—	42.73	6.88	35.85	—	—
S-1	04/21/1995	—	—	—	—	—	—	—	—	—	—	—	42.73	7.65	35.08	—	—
S-1	07/28/1995	660	7.2	1.0	11	8.9	—	—	—	—	—	—	42.73	7.90	34.83	—	4
S-1	10/31/1995	—	—	—	—	—	—	—	—	—	—	—	42.73	7.72	35.01	—	—
S-1	01/10/1996	1,100	3.5	7.0	5.1	9.4	—	—	—	—	—	—	42.73	8.24	34.49	—	7.4
S-1	04/25/1996	—	—	—	—	—	—	—	—	—	—	—	42.73	7.74	34.99	—	—
S-1	07/23/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	42.73	7.92	34.81	—	2.7
S-1	12/10/1996	—	—	—	—	—	—	—	—	—	—	—	42.73	7.56	35.17	—	0.6
S-1	02/20/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	42.73	7.95	34.78	—	3
S-1	05/22/1997	—	—	—	—	—	—	—	—	—	—	—	42.73	8.11	34.62	—	0.5
S-1	08/22/1997	810	18	<2.0	5.1	4.4	18	—	—	—	—	—	42.73	7.86	34.87	—	3
S-1	11/03/1997	—	—	—	—	—	—	—	—	—	—	—	42.73	8.35	34.38	—	1.1
S-1	02/20/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	42.73	6.09	36.64	—	2.9
S-1	05/18/1998	—	—	—	—	—	—	—	—	—	—	—	42.73	7.69	35.04	—	1.1
S-1	08/20/1998	390	6.7	<0.50	0.64	<0.50	14	—	—	—	—	—	42.73	8.20	34.53	—	1.9
S-1	11/06/1998	—	—	—	—	—	—	—	—	—	—	—	42.73	8.23	34.50	—	—
S-1	02/16/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	42.73	7.47	35.26	—	1.5
S-1	05/28/1999	—	—	—	—	—	—	—	—	—	—	—	42.73	7.60	35.13	—	1.3
S-1	08/24/1999	72.4	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	42.73	7.95	34.78	—	1.4
S-1	11/16/1999	—	—	—	—	—	—	—	—	—	—	—	42.73	7.87	34.86	—	1.3

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-1	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	—	—	—	—	—	42.73	7.26	35.47	—	1.4
S-1	05/09/2000	—	—	—	—	—	—	—	—	—	—	—	42.73	8.13	34.60	—	1.0
S-1	08/03/2000	209	6.42	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	42.73	8.12	34.61	—	1.4
S-1	11/15/2000	—	—	—	—	—	—	—	—	—	—	—	42.73	8.06	34.67	—	1.0
S-1	02/14/2001	179	4.46	<0.500	<0.500	<0.500	8.72	—	—	—	—	—	42.73	8.08	34.65	—	1.1
S-1	05/31/2001	—	—	—	—	—	—	—	—	—	—	—	42.73	8.05	34.68	—	1.0
S-1	08/15/2001	270	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	42.73	8.40	34.33	—	1.3
S-1	12/31/2001	—	—	—	—	—	—	—	—	—	—	—	42.73	7.42	35.31	—	0.4
S-1	02/06/2002	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	42.73	7.60	35.13	—	2.2
S-1	06/04/2002	—	—	—	—	—	—	—	—	—	—	—	42.73	8.16	34.57	—	0.8
S-1	07/25/2002	230	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	42.57	7.84	34.73	—	0.9
S-1	11/27/2002	—	—	—	—	—	—	—	—	—	—	—	42.57	8.01	34.56	—	0.6
S-1	01/30/2003	310	<0.50	<0.50	3.6	1.6	—	<5.0	—	—	—	—	42.57	7.56	35.01	—	1.5
S-1	06/03/2003	—	—	—	—	—	—	—	—	—	—	—	42.57	7.87	34.70	—	1.6
S-1	08/08/2003	730	<0.50	<0.50	12	6.4	—	<0.50	—	—	—	—	42.57	7.95	34.62	—	1.3
S-1	11/13/2003	—	—	—	—	—	—	—	—	—	—	—	42.57	7.90	34.67	—	0.8
S-1	02/04/2004	220	<0.50	<0.50	1.8	1.1	—	<0.50	—	—	—	—	42.57	7.37	35.20	—	1.2
S-1	05/12/2004	—	—	—	—	—	—	—	—	—	—	—	42.57	8.05	34.52	—	1.1
S-1	08/23/2004	110 d	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	42.57	8.10	34.47	—	0.6
S-1	12/01/2004	—	—	—	—	—	—	—	—	—	—	—	42.57	7.84	34.73	—	—
S-1	02/07/2005	53 d	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	42.57	7.48	35.09	—	0.49
S-1	05/02/2005	—	—	—	—	—	—	—	—	—	—	—	42.57	8.05	34.52	—	—
S-1	08/04/2005	850	<0.50	<0.50	4.5	1.0	—	<0.50	—	—	—	—	42.57	8.05	34.52	—	0.01
S-1	11/16/2005	—	—	—	—	—	—	—	—	—	—	—	42.57	8.19	34.38	—	—
S-1	03/02/2006	170	<0.50	<0.50	2.4	0.91	—	<0.50	—	—	—	—	42.57	7.58	34.99	—	0.32
S-1	05/31/2006	—	—	—	—	—	—	—	—	—	—	—	42.57	8.03	34.54	—	—
S-1	08/29/2006	<50.0	<0.500	<0.500	<0.500	<0.500	—	<0.500	—	—	—	—	42.57	7.99	34.58	—	1.05
S-1	12/06/2006	—	—	—	—	—	—	—	—	—	—	—	42.57	8.07	34.50	—	0.4
S-1	01/30/2007	640	<0.50	<0.50	1.9	<1.0	—	<0.50	—	—	—	—	42.57	8.32	34.25	—	1.20
S-1	05/15/2007	—	—	—	—	—	—	—	—	—	—	—	42.57	7.85	34.72	—	0.16
S-1	08/29/2007	980 f	0.37 g	<1.0	3.3	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	42.57	7.87	34.70	—	2.54
S-1	11/29/2007	—	—	—	—	—	—	—	—	—	—	—	42.57	8.18	34.39	—	0.28
S-1	02/21/2008	430 f	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	42.57	7.94	34.63	—	0.27
S-1	05/06/2008	—	—	—	—	—	—	—	—	—	—	—	42.57	8.00	34.57	—	0.1
S-1	08/27/2008	170	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	42.57	8.45	34.12	—	0.21

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-1	11/24/2008	—	—	—	—	—	—	—	—	—	—	—	42.57	8.49	34.08	—	0.06
S-1	01/28/2009	390	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	42.57	8.29	34.28	—	1.70
S-1	05/26/2009	—	—	—	—	—	—	—	—	—	—	—	42.57	8.11	34.46	—	—
S-1	11/24/2009	230	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	42.57	8.34	34.23	—	1.47
S-1	05/26/2010	490	<0.50	<1.0	1.3	2.1	—	<1.0	—	—	—	—	42.57	7.99	34.58	—	0.38
S-1	11/30/2010	220	1.7	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	42.57	7.98	34.59	—	0.65
S-1	05/11/2011	<50	<0.50	<0.50	<0.50	1.0	—	<1.0	—	—	—	—	42.57	8.19	34.38	—	1.49
S-1	11/28/2011	56	<0.500	<0.500	<0.500	<0.500	—	<0.500	—	—	—	—	42.57	7.97	34.60	—	1.62
S-1	**06/05/2012**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**—**	**<0.50**	**—**	**—**	**—**	**—**	**42.57**	**8.22**	**34.35**	**—**	**1.46**
S-2	05/13/1991	23,000	3,900	230	1,100	3,200	—	—	—	—	—	—	40.73	8.50	32.23	—	—
S-2	08/23/1991	23,000	4,400	260	1,900	2,400	—	—	—	—	—	—	40.73	8.80	31.93	—	—
S-2	11/07/1991	40,000	4,000	160	1,020	3,400	—	—	—	—	—	—	40.73	8.61	32.12	—	—
S-2	01/28/1992	22,000	1,600	70	420	1,700	—	—	—	—	—	—	40.73	7.80	32.93	—	—
S-2	05/06/1992	20,000	2,600	110	860	1,900	—	—	—	—	—	—	40.73	8.10	32.63	—	—
S-2	08/26/1992	42,000	5,000	160	1,100	3,500	—	—	—	—	—	—	40.73	8.37	32.36	—	—
S-2	10/28/1992	34,000	4,800	330	1,600	2,900	—	—	—	—	—	—	40.73	8.64	32.09	—	—
S-2	01/19/1993	20,000	2,300	370	660	1,300	—	—	—	—	—	—	40.73	5.82	34.91	—	—
S-2	04/29/1993	40,000	2,000	67	900	1,900	—	—	—	—	—	—	40.73	7.70	33.03	—	—
S-2	07/22/1993	22,000	3,000	120	1,000	1,600	—	—	—	—	—	—	40.73	8.38	32.35	—	—
S-2 (D)	07/22/1993	17,000	3,000	110	1,000	1,500	—	—	—	—	—	—	40.73	8.38	32.35	—	—
S-2	10/21/1993	14,000	2,800	74	870	1,100	—	—	—	—	—	—	40.73	8.58	32.15	—	—
S-2 (D)	10/21/1993	13,000	3,200	53	960	820	—	—	—	—	—	—	40.73	8.58	32.15	—	—
S-2	01/04/1994	21,000	2,100	67	990	770	—	—	—	—	—	—	40.73	7.70	33.03	—	—
S-2 (D)	01/04/1994	22,000	2,000	64	910	750	—	—	—	—	—	—	40.73	7.70	33.03	—	—
S-2	04/13/1994	—	—	—	—	—	—	—	—	—	—	—	40.73	7.62	33.11	—	—
S-2	07/25/1994	43,000	2,600	490	990	1,300	—	—	—	—	—	—	40.73	7.86	32.87	—	—
S-2	10/10/1994	—	—	—	—	—	—	—	—	—	—	—	40.73	8.12	32.61	—	—
S-2	01/26/1995	21,000	790	12	290	570	—	—	—	—	—	—	40.73	6.38	34.35	—	5.5
S-2	04/21/1995	—	—	—	—	—	—	—	—	—	—	—	40.73	7.01	33.72	—	—
S-2	07/28/1995	14,000	2,400	360	960	370	—	—	—	—	—	—	40.73	7.82	32.91	—	4
S-2	10/31/1995	—	—	—	—	—	—	—	—	—	—	—	40.73	7.57	33.16	—	—
S-2	01/10/1996	17,000	1,400	<50	480	170	—	—	—	—	—	—	40.73	8.13	32.60	—	7.2
S-2	04/25/1996	—	—	—	—	—	—	—	—	—	—	—	40.73	7.72	33.01	—	—
S-2	07/23/1996	16,000	2,700	69	1,100	110	9,500	—	—	—	—	—	40.73	8.10	32.63	—	2.2

TABLE 2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-2 (D)	07/23/1996	11,000	2,600	68	1,000	96	10,000	11,000	—	—	—	—	40.73	8.10	32.63	—	2.2
S-2	12/10/1996	—	—	—	—	—	—	—	—	—	—	—	40.73	8.57	32.16	—	0.5
S-2	02/20/1997	10,000	500	<10	90	130	6,400	—	—	—	—	—	40.73	8.15	32.58	—	4
S-2	05/22/1997	—	—	—	—	—	—	—	—	—	—	—	40.73	8.79	31.94	—	1.1
S-2	08/22/1997	23,000	1,300	65	740	290	4,500	—	—	—	—	—	40.73	8.05	32.68	—	3.2
S-2 (D)	08/22/1997	20,000	1,200	<100	630	250	3,900	—	—	—	—	—	40.73	8.05	32.68	—	3.2
S-2	11/03/1997	—	—	—	—	—	—	—	—	—	—	—	40.73	8.75	31.98	—	1.2
S-2	02/20/1998	450	28	1.3	7.4	12	35	—	—	—	—	—	40.73	6.34	34.39	—	0.4
S-2	05/18/1998	—	—	—	—	—	—	—	—	—	—	—	40.73	7.95	32.78	—	0.8
S-2	08/20/1998	22,000	290	44	420	410	7,300	—	—	—	—	—	40.73	7.73	33.00	—	1.9
S-2	11/06/1998	—	—	—	—	—	—	—	—	—	—	—	40.73	8.47	32.26	—	—
S-2	02/16/1999	27,000	200	<200	770	840	5,400	—	—	—	—	—	40.73	7.24	33.49	—	1.4
S-2	05/28/1999	—	—	—	—	—	—	—	—	—	—	—	40.73	7.82	32.91	—	1.3
S-2	08/24/1999	13,400	196	<25.0	439	113	597	—	—	—	—	—	40.73	8.61	32.12	—	1.2
S-2	11/16/1999	—	—	—	—	—	—	—	—	—	—	—	40.73	8.17	32.56	—	1.1
S-2	02/02/2000	7,850	176	88.0	134	111	540	—	—	—	—	—	40.73	7.57	33.16	—	1.2
S-2	05/09/2000	—	—	—	—	—	—	—	—	—	—	—	40.73	7.94	32.79	—	1.3
S-2	08/03/2000	35,000	255	122	842	224	905	726 b	—	—	—	—	40.73	8.07	32.66	—	1.1
S-2	11/15/2000	—	—	—	—	—	—	—	—	—	—	—	40.73	8.13	32.60	—	1.3
S-2	02/14/2001	13,000	147	<25.0	309	54.4	581	—	—	—	—	—	40.73	6.39	34.34	—	1.4
S-2	05/31/2001	—	—	—	—	—	—	—	—	—	—	—	40.73	7.21	33.52	—	1.5
S-2	08/15/2001	15,000	67	4.1	220	33	—	440	—	—	—	—	40.73	8.27	32.46	—	0.6
S-2	12/31/2001	—	—	—	—	—	—	270	—	—	—	—	40.73	6.07	34.66	—	0.2
S-2	02/06/2002	15,000	53	2.8	120	31	—	220	—	—	—	—	40.73	7.98	32.75	—	1.8
S-2	06/04/2002	—	—	—	—	—	—	—	—	—	—	—	40.73	6.70	34.03	—	0.2
S-2	07/25/2002	9,000	75	4.0	180	24	—	460	—	—	—	—	40.63	7.67	32.96	—	0.9
S-2	11/27/2002	—	—	—	—	—	—	—	—	—	—	—	40.63	7.84	32.79	—	0.7
S-2	01/30/2003	15,000	26	<2.5	92	22	—	210	—	—	—	—	40.63	7.29	33.34	—	15.6
S-2	06/03/2003	17,000	<25	<25	130	<50	—	290	—	—	—	—	40.63	7.87	32.76	—	5.4
S-2	08/08/2003	4,500	<2.5	<2.5	9.4	<5.0	—	140	—	—	—	—	40.63	8.18	32.45	—	16.2
S-2	11/13/2003	10,000	18	<10	47	21	—	180	—	—	—	—	40.63	7.98	32.65	—	19.5
S-2	02/04/2004	5,700	54	<10	54	<20	—	270	—	—	—	—	40.63	7.21	33.42	—	>15
S-2	05/12/2004	8,200	18	<10	<10	<20	—	250	—	—	—	—	40.63	8.07	32.56	—	3.1
S-2	08/23/2004	4,100	<10	<10	<10	<20	—	84	<100	<40	<40	<40	40.63	8.52	32.11	—	10.7
S-2	12/01/2004	2,000	3.4	<2.5	6.2	<5.0	—	77	—	—	—	—	40.63	8.70	31.93	—	11.8

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-2	02/07/2005	7,400	32	1.6	29	3.1	—	210	—	—	—	—	40.63	7.58	33.05	—	0.11
S-2	05/02/2005	8,100	84	4.9	83	5.5	—	320	—	—	—	—	40.63	7.45	33.18	—	0.6
S-2	08/04/2005	4,900	48	2.1	19	2.8	—	330	55	<4.0	<4.0	<4.0	40.63	7.90	32.73	—	0.4
S-2	11/16/2005	13,700	43.8	2.79	25.1	5.92	—	156	—	—	—	—	40.63	8.33	32.30	—	0.5
S-2	03/02/2006	5,800	44	3.2	20	5.6	—	190	—	—	—	—	40.63	6.74	33.89	—	0.63
S-2	05/31/2006	11,100	72.0	4.20	22.4	5.36	—	308	—	—	—	—	40.63	7.46	33.17	—	0.6
S-2	08/29/2006	37,400	72.1	5.08	39.6	6.89	—	377	46.7	<0.500	<0.500	<0.500	40.63	8.02	32.61	—	0.70
S-2	12/06/2006	5,000	41	3.2	11	5.2	—	170	—	—	—	—	40.63	8.04	32.59	—	0.5
S-2	01/30/2007	4,200	24	1.7	5.9	2.3	—	140	—	—	—	—	40.63	8.08	32.55	—	0.11
S-2	05/15/2007	8,100 f	48	3.5	19	6.2 g	—	180	—	—	—	—	40.63	8.05	32.58	—	0.11
S-2	08/29/2007	8,400 f	60	3.8	12	4.68 g	—	270	64	<4.0	<4.0	<4.0	40.63	8.01	32.62	—	1.02
S-2	11/29/2007	4,100 f	48	4.8 h	11	12.3	—	280	—	—	—	—	40.63	8.25	32.38	—	0.55
S-2	02/21/2008	7,300 f	57	4.0	13	4.7	—	250	—	—	—	—	40.63	7.25	33.38	—	0.40
S-2	05/06/2008	8,900	42	3.1	9.8	4.1	—	270	—	—	—	—	40.63	6.30	34.34	0.01	0.10/2.0
S-2	08/27/2008	9,400	67	<5.0	27	6.0	—	240	67	<10	<10	<10	40.63	8.33	32.30	—	0.15
S-2	11/24/2008	7,100	55	<5.0	9.3	<5.0	—	210	—	—	—	—	40.63	8.43	32.20	—	0.7
S-2	01/28/2009	6,000	29	<5.0	6.5	<5.0	—	130	—	—	—	—	40.63	8.19	32.44	—	0.15
S-2	05/26/2009	20,000	52	3.2	13	6.0	—	330	—	—	—	—	40.63	7.85	32.78	—	0.43
S-2	11/24/2009	5,200	19	<2.0	6.8	4.7	—	120	80	<4.0	<4.0	<4.0	40.63	8.32	32.31	—	0.18
S-2	05/26/2010	7,500	78	<5.0	11	<5.0	—	330	—	—	—	—	40.63	7.62	33.01	—	0.34
S-2	11/30/2010	7,000	32	2.7	4.5	5.0	—	170	86	<4.0	<4.0	<4.0	40.63	7.74	32.89	—	0.65
S-2	05/11/2011	13,000	61	4.0	16	7.0	—	210	—	—	—	—	40.63	7.60	33.03	—	0.97
S-2	11/28/2011	4,800	31.0	2.65	5.73	7.13	—	143	<10.0	<0.500	<0.500	<0.500	40.63	7.70	32.93	—	1.08
S-2	**06/05/2012**	**9,100**	**71**	**4.6**	**16**	**8.3**	**—**	**280**	**—**	**—**	**—**	**—**	**40.63**	**7.89**	**32.74**	**—**	**0.88**
S-3	05/13/1991	3,300	30	3.6	26	13	—	—	—	—	—	—	41.46	7.90	33.56	—	—
S-3	08/23/1991	2,000	25	4.0	9.3	4.5	—	—	—	—	—	—	41.46	8.14	33.32	—	—
S-3	11/07/1991	4,000	20	3.9	5.0	4.9	—	—	—	—	—	—	41.46	7.91	33.55	—	—
S-3	01/28/1992	2,100	21	7.6	6.7	15	—	—	—	—	—	—	41.46	7.53	33.93	—	—
S-3 (D)	01/28/1992	2,100	18	6.1	7.1	14	—	—	—	—	—	—	41.46	7.53	33.93	—	—
S-3	05/06/1992	6,600	38	51	45	65	—	—	—	—	—	—	41.46	7.55	33.91	—	—
S-3	08/26/1992	5,800	18	12	29	60	—	—	—	—	—	—	41.46	7.53	33.93	—	—
S-3	10/28/1992	3,000	55	11	16	32	—	—	—	—	—	—	41.46	7.95	33.51	—	—
S-3	01/19/1993	3,100	<5	5.1	11	16	—	—	—	—	—	—	41.46	6.12	35.34	—	—
S-3	04/29/1993	3,000	31	22	<5	14	—	—	—	—	—	—	41.46	7.27	34.19	—	—

TABLE 2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-3	07/22/1993	2,600	3.1	43	23	53	—	—	—	—	—	—	41.46	7.62	33.84	—	—
S-3	10/21/1993	2,500	73	14	16	32	—	—	—	—	—	—	41.46	7.81	33.65	—	—
S-3	01/04/1994	4,800	13	21	<12.5	33	—	—	—	—	—	—	41.46	7.49	33.97	—	—
S-3	04/13/1994	—	—	—	—	—	—	—	—	—	—	—	41.46	7.32	34.14	—	—
S-3	07/25/1994	2,600	6.1	4.0	3.8	12	—	—	—	—	—	—	41.46	7.66	33.80	—	—
S-3	10/10/1994	—	—	—	—	—	—	—	—	—	—	—	41.46	7.49	33.97	—	—
S-3	01/26/1995	3,600	30	6.8	5.6	19	—	—	—	—	—	—	41.46	6.50	34.96	—	—
S-3 (D)	01/26/1995	2,200	9.9	15	14	22	—	—	—	—	—	—	41.46	6.50	34.96	—	—
S-3	04/21/1995	—	—	—	—	—	—	—	—	—	—	—	41.46	6.79	34.67	—	—
S-3	07/28/1995	3,700	27	9.3	20	34	—	—	—	—	—	—	41.46	7.28	34.18	—	4
S-3	10/31/1995	—	—	—	—	—	—	—	—	—	—	—	41.46	6.74	34.72	—	—
S-3	01/10/1996	4,000	10	<0.50	13	28	—	—	—	—	—	—	41.46	7.48	33.98	—	6.1
S-3	04/25/1996	—	—	—	—	—	—	—	—	—	—	—	41.46	6.90	34.56	—	—
S-3	07/23/1996	2,100	20	<0.50	<0.50	<0.50	<25	—	—	—	—	—	41.46	7.04	34.42	—	2.1
S-3	12/10/1996	—	—	—	—	—	—	—	—	—	—	—	41.46	7.96	33.50	—	0.7
S-3	02/20/1997	3,500	83	<5.0	18	16	130	—	—	—	—	—	41.46	7.44	34.02	—	3
S-3 (D)	02/20/1997	3,000	69	<5.0	14	12	70	—	—	—	—	—	41.46	7.44	34.02	—	3
S-3	05/22/1997	—	—	—	—	—	—	—	—	—	—	—	41.46	7.13	34.33	—	0.6
S-3	08/22/1997	4,700	60	12	19	21	40	—	—	—	—	—	41.46	6.81	34.65	—	2.9
S-3	11/03/1997	—	—	—	—	—	—	—	—	—	—	—	41.46	7.40	34.06	—	0.9
S-3	02/20/1998	3,400	<10	<10	14	18	85	—	—	—	—	—	41.46	6.55	34.91	—	0.8
S-3 (D)	02/20/1998	3,100	8.6	7.8	12	16	57	—	—	—	—	—	41.46	6.55	34.91	—	0.8
S-3	05/18/1998	—	—	—	—	—	—	—	—	—	—	—	41.46	6.81	34.65	—	0.7
S-3	08/20/1998	4,400	67	23	9.8	22	240	—	—	—	—	—	41.46	6.98	34.48	—	2.2
S-3	11/06/1998	—	—	—	—	—	—	—	—	—	—	—	41.46	6.96	34.50	—	—
S-3	02/16/1999	2,000	6.9	6.2	3.7	4.8	47	—	—	—	—	—	41.46	6.93	34.53	—	2.0
S-3	05/28/1999	—	—	—	—	—	—	—	—	—	—	—	41.46	6.74	34.72	—	1.8
S-3	08/24/1999	4,170	54.8	14.2	6.65	13.7	43.4	—	—	—	—	—	41.46	9.05	32.41	—	1.9
S-3	11/16/1999	—	—	—	—	—	—	—	—	—	—	—	41.46	7.09	34.37	—	1.6
S-3	02/02/2000	2,410	133	112	24.9	104	46.0	—	—	—	—	—	41.46	6.59	34.87	—	1.9
S-3	05/09/2000	—	—	—	—	—	—	—	—	—	—	—	41.46	7.13	34.33	—	1.9
S-3	08/03/2000	3,890	17.2	21.9	<10.0	<10.0	166	—	—	—	—	—	41.46	6.82	34.64	—	1.8
S-3	11/15/2000	—	—	—	—	—	—	—	—	—	—	—	41.46	6.98	34.48	—	1.6
S-3	02/14/2001	2,800	35.8	5.57	3.83	2.94	1,070	1,250	—	—	—	—	41.46	6.57	34.89	—	1.1
S-3	05/31/2001	—	—	—	—	—	—	—	—	—	—	—	41.46	6.72	34.74	—	1.6

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-3	08/15/2001	2,700	2.0	0.52	<0.50	2.0	—	140	—	—	—	—	41.46	7.44	34.02	—	0.6
S-3	12/31/2001	2,300	<2.0	<2.0	<2.0	<2.0	—	470	—	—	—	—	41.46	6.62	34.84	—	0.6
S-3	02/06/2002	2,000	2.6	1.6	4.3	7.8	—	170	—	—	—	—	41.46	7.22	34.24	—	2.2
S-3	06/04/2002	2,400	1.0	1.1	0.54	4.5	—	120	—	—	—	—	41.46	7.34	34.12	—	0.5
S-3	07/25/2002	3,100	0.86	<0.50	<0.50	2.0	—	92	—	—	—	—	41.37	6.98	34.39	—	1.0
S-3	11/27/2002	2,600	2.0	0.55	<0.50	2.1	—	44	—	—	—	—	41.37	7.62	33.75	—	0.7
S-3	01/30/2003	1,200	2.1	1.3	1.6	3.4	—	42	—	—	—	—	41.37	7.14	34.23	—	13.6
S-3	06/03/2003	2,700	2.9	<0.50	0.50	2.8	—	43	—	—	—	—	41.37	7.25	34.12	—	1.7
S-3	08/08/2003	1,400	2.4	0.71	<0.50	2.2	—	32	—	—	—	—	41.37	7.67	33.70	—	>20
S-3	11/13/2003	5,200	5.1	2.4	<1.0	5.6	—	69	—	—	—	—	41.37	7.56	33.81	—	19.6
S-3	02/04/2004	2,800	1.9	<1.0	1.0	2.6	—	20	—	—	—	—	41.37	7.12	34.25	—	>15
S-3	05/12/2004	1,900	2.8	<1.0	<1.0	2.2	—	9.7	—	—	—	—	41.37	7.94	33.43	—	4.0
S-3	08/23/2004	1,400	7.6	1.1	<1.0	2.9	—	13	<10	<4.0	<4.0	<4.0	41.37	8.09	33.28	—	13.3
S-3	12/01/2004	950	1.9	<1.0	<1.0	<2.0	—	5.6	—	—	—	—	41.37	8.21	33.16	—	13.0
S-3	02/07/2005	1,800	1.4	<1.0	<1.0	2.1	—	9.9	—	—	—	—	41.37	7.69	33.68	—	0.25
S-3	05/02/2005	4,000	2.3	1.1	1.6	3.0	—	9.9	—	—	—	—	41.37	7.20	34.17	—	0.5
S-3	08/04/2005	3,600	2.1	<1.0	<2.0	3.6	—	8.5	33	<4.0	<4.0	<4.0	41.37	8.14	33.23	—	0.2
S-3	11/16/2005	6,000	2.24	0.800	0.660	3.35	—	3.83	—	—	—	—	41.37	8.39	32.98	—	0.6
S-3	03/02/2006	1,500	1.3	<0.50	0.57	2.0	—	5.1	—	—	—	—	41.37	7.09	34.28	—	0.52
S-3	05/31/2006	5,560	1.71	0.730	1.24	3.89	—	8.01 e	—	—	—	—	41.37	7.95	33.42	—	0.5
S-3	08/29/2006	4,850	1.82	0.680	1.19	2.22	—	3.16	<10.0	<0.500	<0.500	<0.500	41.37	6.35	35.02	—	0.88
S-3	12/06/2006	2,900	1.1	<0.50	<0.50	2.2	—	<0.50	—	—	—	—	41.37	8.41	32.96	—	0.3
S-3	01/30/2007	2,100	1.0	<0.50	0.53	1.8	—	5.7	—	—	—	—	41.37	8.31	33.06	—	0.36
S-3	05/15/2007	3,500 f	1.1	0.51 g	0.76 g	2.38 g	—	8.0	—	—	—	—	41.37	7.60	33.77	—	0.11
S-3	08/29/2007	<50 f	1.5	0.48 g	0.50 g	2.81 g	—	<1.0	<10	<2.0	<2.0	<2.0	41.37	8.64	32.73	—	0.57
S-3	11/29/2007	3,800 f	1.8	0.80 g,h	0.65 g	3.34 g	—	5.9	—	—	—	—	41.37	8.36	33.01	—	0.22
S-3	02/21/2008	2,900 f	0.60	<1.0	<1.0	1.2	—	5.0	—	—	—	—	41.37	7.35	34.02	—	0.44
S-3	05/06/2008	2,400	1.2	<1.0	<1.0	1.7	—	<1.0	—	—	—	—	41.37	8.00	33.37	—	0.2/1.4
S-3	08/27/2008	3,100	1.5	<1.0	<1.0	2.3	—	<1.0	<10	<2.0	<2.0	<2.0	41.37	8.56	32.81	—	0.13
S-3	11/24/2008	2,900	1.5	<1.0	<1.0	2.2	—	<1.0	—	—	—	—	41.37	8.71	32.66	—	0.32
S-3	01/28/2009	3,900	1.4	<1.0	<1.0	2.2	—	<1.0	—	—	—	—	41.37	8.22	33.15	—	0.48
S-3	05/26/2009	3,600	1.1	<1.0	<1.0	1.5	—	5.2	—	—	—	—	41.37	8.23	33.14	—	1.54
S-3	11/24/2009	2,200	0.98	<1.0	<1.0	1.7	—	<1.0	<10	<2.0	<2.0	<2.0	41.37	8.71	32.66	—	0.42
S-3	05/26/2010	2,800	1.0	<1.0	<1.0	2.4	—	7.8	—	—	—	—	41.37	7.80	33.57	—	0.32
S-3	11/30/2010	3,800	0.94	<1.0	<1.0	1.9	—	4.5	<10	<2.0	<2.0	<2.0	41.37	7.65	33.72	—	0.87

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-3	05/11/2011	3,000	0.77	0.51	<0.50	1.8	---	7.4	---	---	---	---	41.37	8.01	33.36	---	0.80
S-3	11/28/2011	1,800	0.720	0.500	<0.500	2.51	---	4.20	<10.0	<0.500	<0.500	<0.500	41.37	7.84	33.53	---	0.73
S-3	**06/05/2012**	**2,700**	**<0.50**	**<0.50**	**<0.50**	**1.2**	**---**	**5.9**	**---**	**---**	**---**	**---**	**41.37**	**8.30**	**33.07**	**---**	**0.65**
S-4	05/13/1991	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	7.44	33.66	---	---
S-4	08/23/1991	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	8.32	32.78	---	---
S-4	11/07/1991	260	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	8.32	32.78	---	---
S-4	01/28/1992	110 d	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	7.40	33.70	---	---
S-4	05/06/1992	54	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	7.21	33.89	---	---
S-4	08/26/1992	67	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	8.13	32.97	---	---
S-4	10/28/1992	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	8.73	32.37	---	---
S-4	01/19/1993	86	1.2	0.70	2.7	15	---	---	---	---	---	---	41.10	5.86	35.24	---	---
S-4	04/29/1993	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	7.02	34.08	---	---
S-4 (D)	04/29/1993	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	7.02	34.08	---	---
S-4	07/22/1993	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	7.76	33.34	---	---
S-4	10/21/1993	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	8.53	32.57	---	---
S-4	01/04/1994	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	7.92	33.18	---	---
S-4	04/13/1994	---	---	---	---	---	---	---	---	---	---	---	41.10	7.71	33.39	---	---
S-4	07/25/1994	---	---	---	---	---	---	---	---	---	---	---	41.10	7.82	33.28	---	---
S-4	10/10/1994	---	---	---	---	---	---	---	---	---	---	---	41.10	8.15	32.95	---	---
S-4	01/26/1995	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	5.73	35.37	---	---
S-4	04/21/1995	---	---	---	---	---	---	---	---	---	---	---	41.10	6.26	34.84	---	---
S-4	07/28/1995	---	---	---	---	---	---	---	---	---	---	---	41.10	7.80	33.30	---	---
S-4	10/31/1995	---	---	---	---	---	---	---	---	---	---	---	41.10	8.45	32.65	---	---
S-4	01/10/1996	<50	1.0	2.8	<0.50	2.1	---	---	---	---	---	---	41.10	8.26	32.84	---	2.8
S-4	04/25/1996	---	---	---	---	---	---	---	---	---	---	---	41.10	7.14	33.96	---	---
S-4	07/23/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	41.10	8.18	32.92	---	3.8
S-4	12/10/1996	---	---	---	---	---	---	---	---	---	---	---	41.10	7.04	34.06	---	3.9
S-4	02/20/1997	<50	<0.50	<0.50	<0.50	<0.50	6.7	---	---	---	---	---	41.10	7.07	34.03	---	5
S-4	05/22/1997	---	---	---	---	---	---	---	---	---	---	---	41.10	6.63	34.47	---	0.8
S-4	08/22/1997	---	---	---	---	---	---	---	---	---	---	---	41.10	7.69	33.41	---	3.7
S-4	11/03/1997	---	---	---	---	---	---	---	---	---	---	---	41.10	8.26	32.84	---	1.3
S-4	02/20/1998	130	6.9	4.6	5.2	17	2.8	---	---	---	---	---	41.10	5.57	35.53	---	1.8
S-4	05/18/1998	---	---	---	---	---	---	---	---	---	---	---	41.10	7.13	33.97	---	1.4
S-4	08/20/1998	---	---	---	---	---	---	---	---	---	---	---	41.10	7.77	33.33	---	4.0

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-4	11/06/1998	—	—	—	—	—	—	—	—	—	—	—	41.10	7.85	33.25	—	—
S-4	02/16/1999	<50	<0.50	<0.50	<0.50	<0.50	23	—	—	—	—	—	41.10	6.51	34.59	—	3.6
S-4	05/28/1999	—	—	—	—	—	—	—	—	—	—	—	41.10	7.00	34.10	—	3.2
S-4	08/24/1999	—	—	—	—	—	—	—	—	—	—	—	41.10	9.13	31.97	—	1.9
S-4	11/16/1999	—	—	—	—	—	—	—	—	—	—	—	41.10	7.79	33.31	—	1.7
S-4	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	—	—	—	—	—	41.10	7.19	33.91	—	1.9
S-4	05/09/2000	—	—	—	—	—	—	—	—	—	—	—	41.10	7.51	33.59	—	1.8
S-4	08/03/2000	—	—	—	—	—	—	—	—	—	—	—	41.10	7.83	33.27	—	1.9
S-4	11/15/2000	—	—	—	—	—	—	—	—	—	—	—	41.10	7.69	33.41	—	1.5
S-4	02/14/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	41.10	6.20	34.90	—	1.6
S-4	05/31/2001	—	—	—	—	—	—	—	—	—	—	—	41.10	6.56	34.54	—	1.6
S-4	08/15/2001	—	—	—	—	—	—	—	—	—	—	—	41.10	7.90	33.20	—	0.6
S-4	12/31/2001	—	—	—	—	—	—	—	—	—	—	—	41.10	5.62	35.48	—	2.7
S-4	02/06/2002	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	41.10	7.29	33.81	—	0.2
S-4	06/04/2002	—	—	—	—	—	—	—	—	—	—	—	41.10	7.45	33.65	—	0.6
S-4	07/25/2002	—	—	—	—	—	—	—	—	—	—	—	41.04	7.39	33.65	—	0.8
S-4	11/27/2002	—	—	—	—	—	—	—	—	—	—	—	41.04	7.60	33.44	—	—
S-4	01/30/2003	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	41.04	8.45	32.59	—	—
S-4	06/03/2003	—	—	—	—	—	—	—	—	—	—	—	41.04	6.82	34.22	—	—
S-4	08/08/2003	—	—	—	—	—	—	—	—	—	—	—	41.04	7.36	33.68	—	—
S-4	11/13/2003	—	—	—	—	—	—	—	—	—	—	—	41.04	7.56	33.48	—	—
S-4	02/04/2004	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	41.04	6.47	34.57	—	—
S-4	05/12/2004	—	—	—	—	—	—	—	—	—	—	—	41.04	7.10	33.94	—	—
S-4	08/23/2004	—	—	—	—	—	—	—	—	—	—	—	41.04	7.60	33.44	—	—
S-4	12/01/2004	—	—	—	—	—	—	—	—	—	—	—	41.04	7.23	33.81	—	—
S-4	02/07/2005	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	41.04	6.12	34.92	—	—
S-4	05/02/2005	—	—	—	—	—	—	—	—	—	—	—	41.04	6.50	34.54	—	—
S-4	08/04/2005	—	—	—	—	—	—	—	—	—	—	—	41.04	7.13	33.91	—	—
S-4	11/16/2005	—	—	—	—	—	—	—	—	—	—	—	41.04	7.43	33.61	—	—
S-4	03/02/2006	<50	<0.50	<0.50	<0.50	<0.50	—	<0.50	—	—	—	—	41.04	6.05	34.99	—	—
S-4	05/31/2006	—	—	—	—	—	—	—	—	—	—	—	41.04	6.64	34.40	—	—
S-4	08/29/2006	—	—	—	—	—	—	—	—	—	—	—	41.04	7.25	33.79	—	—
S-4	12/06/2006	—	—	—	—	—	—	—	—	—	—	—	41.04	7.39	33.65	—	—
S-4	01/30/2007	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	41.04	7.24	33.80	—	—
S-4	05/15/2007	—	—	—	—	—	—	—	—	—	—	—	41.04	6.60	34.44	—	—

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-4	08/29/2007	---	---	---	---	---	---	---	---	---	---	---	41.04	7.42	33.62	---	---
S-4	11/29/2007	---	---	---	---	---	---	---	---	---	---	---	41.04	7.22	33.82	---	---
S-4	02/21/2008	<50 f	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	41.04	6.20	34.84	---	---
S-4	05/06/2008	---	---	---	---	---	---	---	---	---	---	---	41.04	7.19	33.85	---	---
S-4	08/27/2008	---	---	---	---	---	---	---	---	---	---	---	41.04	7.52	33.52	---	---
S-4	11/24/2008	---	---	---	---	---	---	---	---	---	---	---	41.04	7.73	33.31	---	---
S-4	01/28/2009	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	41.04	7.21	33.83	---	---
S-4	05/26/2009	---	---	---	---	---	---	---	---	---	---	---	41.04	6.95	34.09	---	---
S-4	11/24/2009	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	41.04	7.43	33.61	---	---
S-4	05/26/2010	---	---	---	---	---	---	---	---	---	---	---	41.04	6.68	34.36	---	---
S-4	11/30/2010	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	41.04	6.87	34.17	---	---
S-4	05/11/2011	<50	<0.50	<0.50	<0.50	<1.0	---	<1.0	---	---	---	---	41.04	6.90	34.14	---	---
S-4	11/28/2011	<50	<0.500	<0.500	<0.500	<0.500	---	4.76	---	---	---	---	41.04	7.00	34.04	---	---
S-4	**06/05/2012**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**<0.50**	**---**	**---**	**---**	**---**	**41.04**	**7.11**	**33.93**	**---**	**---**
S-5	05/13/1991	---	---	---	---	---	---	---	---	---	---	---	39.99	14.60	30.57	6.48	---
S-5	08/23/1991	---	---	---	---	---	---	---	---	---	---	---	39.99	15.14	29.25	5.50	---
S-5	11/07/1991	---	---	---	---	---	---	---	---	---	---	---	39.99	15.10	29.17	5.35	---
S-5	01/28/1992	---	---	---	---	---	---	---	---	---	---	---	39.99	14.05	29.86	4.90	---
S-5	05/06/1992	---	---	---	---	---	---	---	---	---	---	---	39.99	14.31	30.21	5.66	---
S-5	08/26/1992	---	---	---	---	---	---	---	---	---	---	---	39.99	14.26	28.77	3.80	---
S-5	10/28/1992	---	---	---	---	---	---	---	---	---	---	---	39.99	14.22	28.82	3.81	---
S-5	01/19/1993	---	---	---	---	---	---	---	---	---	---	---	39.99	12.36	30.80	3.96	---
S-5	04/29/1993	---	---	---	---	---	---	---	---	---	---	---	39.99	9.64	31.07	0.90	---
S-5	07/22/1993	---	---	---	---	---	---	---	---	---	---	---	39.99	9.55	31.16	0.90	---
S-5	10/21/1993	---	---	---	---	---	---	---	---	---	---	---	39.99	11.23	29.34	0.73	---
S-5	01/04/1994	---	---	---	---	---	---	---	---	---	---	---	39.99	11.69	29.82	1.90	---
S-5	04/13/1994	---	---	---	---	---	---	---	---	---	---	---	39.99	11.42	29.87	1.62	---
S-5	07/25/1994	---	---	---	---	---	---	---	---	---	---	---	39.99	12.01	29.41	1.79	---
S-5	10/10/1994	---	---	---	---	---	---	---	---	---	---	---	39.99	12.05	29.38	1.80	---
S-5	01/26/1995	---	---	---	---	---	---	---	---	---	---	---	39.99	8.42	32.95	1.72	---
S-5	04/21/1995	---	---	---	---	---	---	---	---	---	---	---	39.99	10.03	30.90	1.17	---
S-5	07/28/1995	---	---	---	---	---	---	---	---	---	---	---	39.99	11.42	30.07	1.87	---
S-5	10/31/1995	---	---	---	---	---	---	---	---	---	---	---	39.99	13.21	27.21	0.54	---
S-5	01/10/1996	---	---	---	---	---	---	---	---	---	---	---	39.99	12.05	28.04	0.13	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-5	10/21/1993	—	—	—	—	—	—	—	—	—	—	—	39.99	11.23	29.34	0.73	—
S-5	01/04/1994	—	—	—	—	—	—	—	—	—	—	—	39.99	11.69	29.82	1.90	—
S-5	04/13/1994	—	—	—	—	—	—	—	—	—	—	—	39.99	11.42	29.87	1.62	—
S-5	07/25/1994	—	—	—	—	—	—	—	—	—	—	—	39.99	12.01	29.41	1.79	—
S-5	10/10/1994	—	—	—	—	—	—	—	—	—	—	—	39.99	12.05	29.38	1.80	—
S-5	01/26/1995	—	—	—	—	—	—	—	—	—	—	—	39.99	8.42	32.95	1.72	—
S-5	04/21/1995	—	—	—	—	—	—	—	—	—	—	—	39.99	10.03	30.90	1.17	—
S-5	07/28/1995	—	—	—	—	—	—	—	—	—	—	—	39.99	11.42	30.07	1.87	—
S-5	10/31/1995	—	—	—	—	—	—	—	—	—	—	—	39.99	13.21	27.21	0.54	—
S-5	01/10/1996	—	—	—	—	—	—	—	—	—	—	—	39.99	12.05	28.04	0.13	—
S-5	04/25/1996	—	—	—	—	—	—	—	—	—	—	—	39.99	9.68	30.33	0.03	—
S-5	07/23/1996	—	—	—	—	—	—	—	—	—	—	—	39.99	9.82	30.20	0.04	—
S-5	12/10/1996	270,000	8,800	29,000	5,200	37,000	<2,500	—	—	—	—	—	39.99	9.10	30.91	0.03	—
S-5 (D)	12/10/1996	400,000	9,200	32,000	7,200	50,000	<2,500	—	—	—	—	—	39.99	9.10	30.91	0.03	—
S-5	02/20/1997	88,000	2,000	11,000	1,600	19,000	<500	—	—	—	—	—	39.99	8.93	31.06	—	5
S-5	05/22/1997	—	—	—	—	—	—	—	—	—	—	—	39.99	10.07	29.94	0.02	—
S-5	08/22/1997	—	—	—	—	—	—	—	—	—	—	—	39.99	10.24	29.77	0.02	—
S-5	11/03/1997	—	—	—	—	—	—	—	—	—	—	—	39.99	10.91	29.10	0.02	—
S-5	02/20/1998	—	—	—	—	—	—	—	—	—	—	—	39.99	7.81	32.20	0.03	—
S-5	05/18/1998	—	—	—	—	—	—	—	—	—	—	—	39.99	9.64	30.37	0.02	—
S-5	05/31/2001	—	—	—	—	—	—	—	—	—	—	—	39.99	10.13	29.86	—	—
S-5	08/15/2001	Well transferred to ARCO			—	—	—	—	—	—	—	—	—	—	—	—	—
S-6	05/13/1991	13,000	600	140	210	310	—	—	—	—	—	—	40.12	7.82	32.30	—	—
S-6	08/23/1991	9,800	480	80	120	150	—	—	—	—	—	—	40.12	9.58	30.54	—	—
S-6	11/07/1991	6,200	240	23	25	27	—	—	—	—	—	—	40.12	10.86	29.26	—	—
S-6	01/28/1992	5,600	250	15	41	36	—	—	—	—	—	—	40.12	8.97	31.15	—	—
S-6	05/06/1992	7,100	330	29	110	210	—	—	—	—	—	—	40.12	8.27	31.85	—	—
S-6	08/26/1992	13,000	240	<50	56	780	—	—	—	—	—	—	40.12	9.57	31.55	—	—
S-6	10/28/1992	10,000	470	210	67	170	—	—	—	—	—	—	40.12	8.90	32.22	—	—
S-6	01/19/1993	4,800	100	26	27	45	—	—	—	—	—	—	40.12	4.84	35.28	—	—
S-6	04/29/1993	7,000	430	20	<12.5	42	—	—	—	—	—	—	40.12	5.61	34.51	—	—
S-6	07/22/1993	5,800	260	120	65	150	—	—	—	—	—	—	40.12	6.56	33.56	—	—
S-6	10/21/1993	5,500	270	69	120	140	—	—	—	—	—	—	40.12	8.73	31.39	—	—

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-6	01/04/1994	7,100	180	58	63	62	—	—	—	—	—	—	40.12	7.14	32.98	—	—
S-6	04/13/1994	—	—	—	—	—	—	—	—	—	—	—	40.12	7.21	32.91	—	—
S-6	07/25/1994	12,000	190	52	30	39	—	—	—	—	—	—	40.12	6.85	33.27	—	—
S-6 (D)	07/25/1994	7,200	170	32	31	34	—	—	—	—	—	—	40.12	6.85	33.27	—	—
S-6	10/10/1994	—	—	—	—	—	—	—	—	—	—	—	40.12	6.20	33.92	—	—
S-6	01/26/1995	5,800	120	23	24	44	—	—	—	—	—	—	40.12	4.89	35.23	—	—
S-6	04/21/1995	—	—	—	—	—	—	—	—	—	—	—	40.12	5.61	34.51	—	—
S-6	07/28/1995	4,400	210	23	34	60	—	—	—	—	—	—	40.12	5.30	34.82	—	3
S-6 (D)	07/28/1995	6,100	230	20	38	59	—	—	—	—	—	—	40.12	5.30	34.82	—	3
S-6	10/31/1995	—	—	—	—	—	—	—	—	—	—	—	40.12	4.98	35.14	—	—
S-6	01/10/1996	6,800	170	87	35	105	—	—	—	—	—	—	40.12	5.67	34.45	—	2.2
S-6 (D)	01/10/1996	7,800	230	120	50	210	—	—	—	—	—	—	40.12	5.67	34.45	—	2.2
S-6	04/25/1996	—	—	—	—	—	—	—	—	—	—	—	40.12	5.23	34.89	—	—
S-6	07/23/1996	2,600	170	<0.50	<0.50	8.5	<25	—	—	—	—	—	40.12	5.40	34.72	—	1.4
S-6	12/10/1996	—	—	—	—	—	—	—	—	—	—	—	40.12	6.68	33.44	—	0.7
S-6	02/20/1997	6,300	160	7.7	14	31	77	—	—	—	—	—	40.12	5.70	34.42	—	2
S-6	05/22/1997	—	—	—	—	—	—	—	—	—	—	—	40.12	5.49	34.63	—	0.9
S-6	08/22/1997	6,200	160	26	15	27	49	—	—	—	—	—	40.12	5.71	34.41	—	2.8
S-6	11/03/1997	—	—	—	—	—	—	—	—	—	—	—	40.12	6.15	33.97	—	1.4
S-6	02/20/1998	4,100	150	<10	<10	15	55	—	—	—	—	—	40.12	5.25	34.87	—	0.4
S-6	05/18/1998	—	—	—	—	—	—	—	—	—	—	—	40.12	5.69	34.43	—	0.4
S-6	08/20/1998	7,800	240	38	16	39	110	—	—	—	—	—	40.12	6.04	34.08	—	1.5
S-6 (D)	08/20/1998	8,400	270	30	19	31	130	—	—	—	—	—	40.12	6.04	34.08	—	1.5
S-6	11/06/1998	—	—	—	—	—	—	—	—	—	—	—	40.12	6.10	34.02	—	—
S-6	02/16/1999	6,000	190	19	14	20	<2.5	—	—	—	—	—	40.12	5.84	34.28	—	1.7
S-6	05/28/1999	—	—	—	—	—	—	—	—	—	—	—	40.12	9.51	30.61	—	1.9
S-6	08/24/1999	6,870	193	32.1	18.8	36.4	<25.0	—	—	—	—	—	40.12	8.29	31.83	—	2.7
S-6	11/16/1999	—	—	—	—	—	—	—	—	—	—	—	40.12	5.93	34.19	—	2.6
S-6	02/02/2000	2,310	164	122	28.6	133	63.1	—	—	—	—	—	40.12	5.33	34.79	—	2.6
S-6	05/09/2000	—	—	—	—	—	—	—	—	—	—	—	40.12	6.41	33.71	—	2.4
S-6	08/03/2000	5,600	188	27.4	<10.0	25.2	174	—	—	—	—	—	40.12	5.84	34.28	—	2.7
S-6	11/15/2000	—	—	—	—	—	—	—	—	—	—	—	40.12	5.58	34.54	—	2.3
S-6	02/14/2001	6,140	126	13.2	8.01	18.0	205	—	—	—	—	—	40.12	5.50	34.62	—	1.3
S-6	05/31/2001	—	—	—	—	—	—	—	—	—	—	—	40.12	5.52	34.60	—	1.2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-6	08/15/2001	6,000	160	9.1	5.8	24	—	51	—	—	—	—	40.12	6.04	34.08	—	0.4
S-6	12/31/2001	6,900	120	12	6.6	24	—	44	—	—	—	—	40.12	5.52	34.60	—	0.4
S-6	02/06/2002	4,300	110	7.3	4.8	18	—	39	—	—	—	—	40.12	6.34	33.78	—	0.5
S-6	06/04/2002	4,300	140	8.4	4.9	22	—	26	—	—	—	—	40.12	6.19	33.93	—	0.4
S-6	07/25/2002	3,900	140	9.0	5.5	23	—	31	—	—	—	—	39.92	6.05	33.87	—	0.7
S-6	11/27/2002	5,200	160	9.6	4.9	24	—	26	—	—	—	—	39.92	6.26	33.66	—	—
S-6	01/30/2003	4,700	200	9.6	5.5	25	—	30	—	—	—	—	39.92	5.73	34.19	—	—
S-6	06/03/2003	3,900	160	10	<10	25	—	30	—	—	—	—	39.92	5.52	34.40	—	—
S-6	08/08/2003	2,900	150	8.8	3.6	18	—	18	—	—	—	—	39.92	6.14	33.78	—	—
S-6	11/13/2003	8,300	220	19	11	35	—	28	—	—	—	—	39.92	5.85	34.07	—	—
S-6	02/04/2004	7,400	310	17	10	31	—	30	—	—	—	—	39.92	5.51	34.41	—	—
S-6	05/12/2004	4,000	230	10	5.5	24	—	21	—	—	—	—	39.92	6.10	33.82	—	—
S-6	08/23/2004	6,000	260	16	9.0	32	—	19	—	—	—	—	39.92	6.38	33.54	—	—
S-6	12/01/2004	9,600	280	23	11	47	—	24	—	—	—	—	39.92	6.41	33.51	—	—
S-6	02/07/2005	7,100	300	14	8.4	35	—	21	—	—	—	—	39.92	5.94	33.98	—	—
S-6	05/02/2005	6,100	250	12	8.1	30	—	16	—	—	—	—	39.92	5.90	34.02	—	—
S-6	08/04/2005	5,200	180	13	8.0	31	—	15	—	—	—	—	39.92	6.67	33.25	—	—
S-6	11/16/2005	9,950	147	15.3	9.82	32.3	—	10.8	—	—	—	—	39.92	6.64	33.28	—	—
S-6	03/02/2006	2,400	72	9.2	7.0	21	—	6.4	—	—	—	—	39.92	5.92	34.00	—	—
S-6	05/31/2006	9,460	182	13.6	8.80	33.5	—	11.4 e	—	—	—	—	39.92	6.28	33.64	—	—
S-6	08/29/2006	8,840	108	26.6	12.4	37.7	—	10.1	—	—	—	—	39.92	7.19	32.73	—	—
S-6	12/06/2006	4,900	130	17	8.2	35	—	9.4	—	—	—	—	39.92	7.06	32.86	—	—
S-6	01/30/2007	4,500	100	22	12	38	—	8.1	—	—	—	—	39.92	6.94	32.98	—	—
S-6	05/15/2007	6,900 f	120	9.2	6.7	27.6	—	6.4	—	—	—	—	39.92	6.30	33.62	—	—
S-6	08/29/2007	9,300 f	110	30	14	52	—	6.4	<50	5.3 g	<10	<10	39.92	7.27	32.65	—	—
S-6	11/29/2007	4,300 f	110	19 h	14	53	—	8.7	—	—	—	—	39.92	6.87	33.05	—	—
S-6	02/21/2008	5,600 f	110	8.6	5.0	28.3	—	6.4	—	—	—	—	39.92	5.75	34.17	—	—
S-6	05/06/2008	5,900	110	12	7.5	30.1	—	<1.0	—	—	—	—	39.92	6.60	33.32	—	—
S-6	08/27/2008	6,200	58	15	7.0	27.9	—	<2.0	—	—	—	—	39.92	7.40	32.52	—	—
S-6	11/24/2008	6,100	80	20	12	40	—	<2.0	—	—	—	—	39.92	7.30	32.62	—	—
S-6	11/24/2008	6,100	80	20	12	40	—	<2.0	—	—	—	—	39.92	7.30	32.62	—	—
S-6	01/28/2009	5,300	80	10	6.3	26	—	<1.0	—	—	—	—	39.92	6.61	33.31	—	—
S-6	05/26/2009	6,600	130	6.6	4.4	21	—	4.9	—	—	—	—	39.92	6.70	33.22	—	—
S-6	11/24/2009	6,200	69	13	8.4	32	—	4.5	—	—	—	—	39.92	7.03	32.89	—	—

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-6	05/26/2010	5,100	130	8.3	4.8	27	---	6.1	---	---	---	---	39.92	6.24	33.68	---	---
S-6	11/30/2010	5,500	74	10	6.2	32	---	5.6	---	---	---	---	39.92	6.12	33.80	---	---
S-6	05/11/2011	8,900	73	7.8	6.8	31	---	4.2	---	---	---	---	39.92	6.30	33.62	---	---
S-6	11/28/2011	3,300	74.1	7.49	5.33	30.0	---	4.17	---	---	---	---	39.92	6.45	33.47	---	---
S-6	**06/05/2012**	**5,000**	**78**	**11**	**8.6**	**38**	**---**	**4.5**	**---**	**---**	**---**	**---**	**39.92**	**6.71**	**33.21**	**---**	**---**
S-7	05/13/1991	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	10.56	29.54	---	---
S-7	08/23/1991	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	11.16	28.94	---	---
S-7	11/07/1991	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	11.48	28.62	---	---
S-7	01/28/1992	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	10.72	29.38	---	---
S-7	05/06/1992	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	10.34	29.76	---	---
S-7	08/26/1992	160	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	11.13	28.97	---	---
S-7	10/28/1992	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	11.52	28.58	---	---
S-7	01/19/1993	50	1.1	0.60	1.9	9.2	---	---	---	---	---	---	40.10	8.68	31.42	---	---
S-7	04/29/1993	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	9.90	30.20	---	---
S-7	07/22/1993	Well inaccessible		---	---	---	---	---	---	---	---	---	40.10	---	---	---	---
S-7	10/21/1993	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	11.10	29.00	---	---
S-7	01/04/1994	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	10.40	29.70	---	---
S-7	04/13/1994	<50	1.4	0.61	<0.50	0.64	---	---	---	---	---	---	40.10	10.20	29.90	---	---
S-7 (D)	04/13/1994	<50	1.4	0.61	<0.50	0.66	---	---	---	---	---	---	40.10	10.20	29.90	---	---
S-7	07/25/1994	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	10.48	29.62	---	---
S-7 a	10/10/1994	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	10.64	29.46	---	---
S-7	01/26/1995	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	7.75	32.35	---	4.6
S-7	04/21/1995	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	8.51	31.59	---	---
S-7	07/28/1995	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	10.20	29.90	---	3
S-7	10/31/1995	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	10.86	29.24	---	4.9
S-7	01/10/1996	<50	<0.50	2.0	<0.50	2.6	---	---	---	---	---	---	40.10	10.33	29.77	---	7.6
S-7	04/25/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	40.10	9.13	30.97	---	6.2
S-7	07/23/1996	<50	<0.50	<0.50	<0.50	<0.50	14	---	---	---	---	---	40.10	10.18	29.92	---	3.7
S-7	12/10/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	40.10	9.04	31.06	---	4.6
S-7	02/20/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	40.10	9.60	30.50	---	5
S-7	05/22/1997	<50	1.3	<0.50	<0.50	<0.50	5.5	---	---	---	---	---	40.10	10.63	29.47	---	0.8
S-7	08/22/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	40.10	10.95	29.15	---	2.6
S-7	11/03/1997	<50	2.2	1.7	0.58	3.4	<2.5	---	---	---	---	---	40.10	11.29	28.81	---	2.6

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-7	02/20/1998	350	23	13	14	42	3.8	—	—	—	—	—	40.10	7.73	32.37	—	4.6
S-7	05/18/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	40.10	10.29	29.81	—	4.4
S-7	08/20/1998	Well inaccessible		—	—	—	—	—	—	—	—	—	40.10	11.00	29.10	—	5.4
S-7	11/06/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	40.10	11.19	28.91	—	5.2
S-7	02/16/1999	Well inaccessible		—	—	—	—	—	—	—	—	—	40.10	—	—	—	—
S-7	05/28/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	—	—	—	—	—	40.10	9.76	30.34	—	2.7
S-7	08/24/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	40.10	10.61	29.49	—	2.1
S-7	11/16/1999	<50.0	<0.500	<0.500	<0.500	<0.500	3.68	—	—	—	—	—	40.10	10.90	29.20	—	2.3
S-7	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	—	—	—	—	—	40.10	10.30	29.80	—	2.1
S-7	05/09/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	40.10	10.25	29.85	—	2.7
S-7	08/03/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	40.10	10.65	29.45	—	2.5
S-7	11/15/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	40.10	10.53	29.57	—	4.6
S-7	02/14/2001	Well inaccessible		—	—	—	—	—	—	—	—	—	40.10	—	—	—	—
S-7	05/31/2001	<50	<0.50	<0.50	<0.50	0.77	—	4.6	—	—	—	—	40.10	9.46	30.64	—	2.1
S-7	08/15/2001	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	40.10	10.93	29.17	—	2.0
S-7	12/31/2001	<50	<0.50	<0.50	<0.50	<0.50	—	6.0	—	—	—	—	40.10	9.14	30.96	—	3.0
S-7	02/06/2002	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	40.10	8.61	31.49	—	3.2
S-7	06/04/2002	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	40.10	10.41	29.69	—	0.9
S-7	07/25/2002	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	39.91	10.37	29.54	—	1.1
S-7	11/27/2002	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	39.91	10.52	29.39	—	—
S-7	01/30/2003	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	39.91	9.38	30.53	—	—
S-7	06/03/2003	<50	<0.50	<0.50	<0.50	<1.0	—	0.72	—	—	—	—	39.91	10.18	29.73	—	—
S-7	08/08/2003	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	39.91	10.43	29.48	—	—
S-7	11/13/2003	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	39.91	10.39	29.52	—	—
S-7	02/04/2004	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	39.91	9.17	30.74	—	—
S-7	05/12/2004	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	39.91	10.20	29.71	—	—
S-7	08/23/2004	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	39.72 c	10.53	29.19	—	—
S-7	12/01/2004	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	39.72	10.36	29.36	—	—
S-7	02/07/2005	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	39.72	8.78	30.94	—	—
S-7	05/02/2005	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	39.72	9.46	30.26	—	—
S-7	08/04/2005	Well paved over		—	—	—	—	—	—	—	—	—	—	—	—	—	—
S-8	05/10/2004	—	—	—	—	—	—	—	—	—	—	—	40.52	10.85	29.67	—	—
S-8	05/12/2004	<1,300	<13	<13	<13	<25	—	2,500	—	—	—	—	40.52	10.95	29.57	—	—

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-8	08/23/2004	1,300	15	<13	<13	<25	---	2,500	570	<50	<50	<50	40.52	11.40	29.12	---	---
S-8	12/01/2004	1,400 d	<13	<13	<13	<25	---	2,700	---	---	---	---	40.52	11.10	29.42	---	---
S-8	02/07/2005	6,400	240	27	290	100	---	370	---	---	---	---	40.52	10.22	30.30	---	---
S-8	05/02/2005	6,300	160	25	200	74	---	190	---	---	---	---	40.52	10.05	30.47	---	---
S-8	08/04/2005	2,500	130	7.5	<6.0	14	---	290	92	<8.0	<8.0	<8.0	40.52	10.88	29.64	---	---
S-8	11/16/2005	27,700	43.2	4.36	637	1,200	---	638	---	---	---	---	40.52	11.28	29.24	---	---
S-8	03/02/2006	9,900	160	13	490	530	---	110	---	---	---	---	40.52	8.85	31.67	---	---
S-8	05/31/2006	14,300	270	53.1	283	246	---	102 e	---	---	---	---	40.52	10.34	30.18	---	---
S-8	08/29/2006	14,700	107	9.42	196	195	---	278	36.1	<0.500	<0.500	<0.500	40.52	11.17	29.35	---	---
S-8	12/06/2006	7,800	150	8.6	120	110	---	200	---	---	---	---	40.52	11.21	29.31	---	---
S-8	01/30/2007	7,500	220	18	180	96	---	170	---	---	---	---	40.52	10.72	29.80	---	---
S-8	05/15/2007	9,600 f	---	24	160	112	---	130	---	---	---	---	40.52	10.50	30.02	---	---
S-8	08/29/2007	---	---	---	---	---	---	---	---	---	---	---	40.52	11.44	29.11	0.04	---
S-8	08/30/2007	6,100 f	35	2.7	140	234	---	170	820	<4.0	<4.0	<4.0	40.52	11.37	29.25	0.13	---
S-8	09/25/2007	---	---	---	---	---	---	---	---	---	---	---	40.52	11.56	29.22	0.32	---
S-8	10/29/2007	---	---	---	---	---	---	---	---	---	---	---	40.52	11.23	29.50	0.26	---
S-8	11/29/2007	---	---	---	---	---	---	---	---	---	---	---	40.52	11.08	29.60	0.20	---
S-8	12/11/2007	---	---	---	---	---	---	---	---	---	---	---	40.52	10.61	30.03	0.15	---
S-8	01/24/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	9.61	30.97	0.08	---
S-8	02/21/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	9.11	31.43	0.03	---
S-8	03/20/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	10.22	30.40	0.12	---
S-8	04/30/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	10.91	29.67	0.07	---
S-8	05/06/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	10.50	30.05	0.04	---
S-8	06/04/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	11.34	29.24	0.07	---
S-8	07/29/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	11.83	28.71	0.03	---
S-8	08/27/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	11.40	29.14	0.03	---
S-8	09/30/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	12.08	28.46	0.03	---
S-8	10/31/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	11.35	29.37	0.25	---
S-8	11/24/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	10.79	29.89	0.20	---
S-8	12/30/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	8.90	31.75	0.16	---
S-8	01/14/2009	---	---	---	---	---	---	---	---	---	---	---	40.52	9.87	30.83	0.22	---
S-8	01/28/2009	---	---	---	---	---	---	---	---	---	---	---	40.52	9.52	31.10	0.13	---
S-8	03/31/2009	---	---	---	---	---	---	---	---	---	---	---	40.52	8.56	32.11	0.19	---
S-8	04/21/2009	---	---	---	---	---	---	---	---	---	---	---	40.52	8.90	31.75	0.16	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

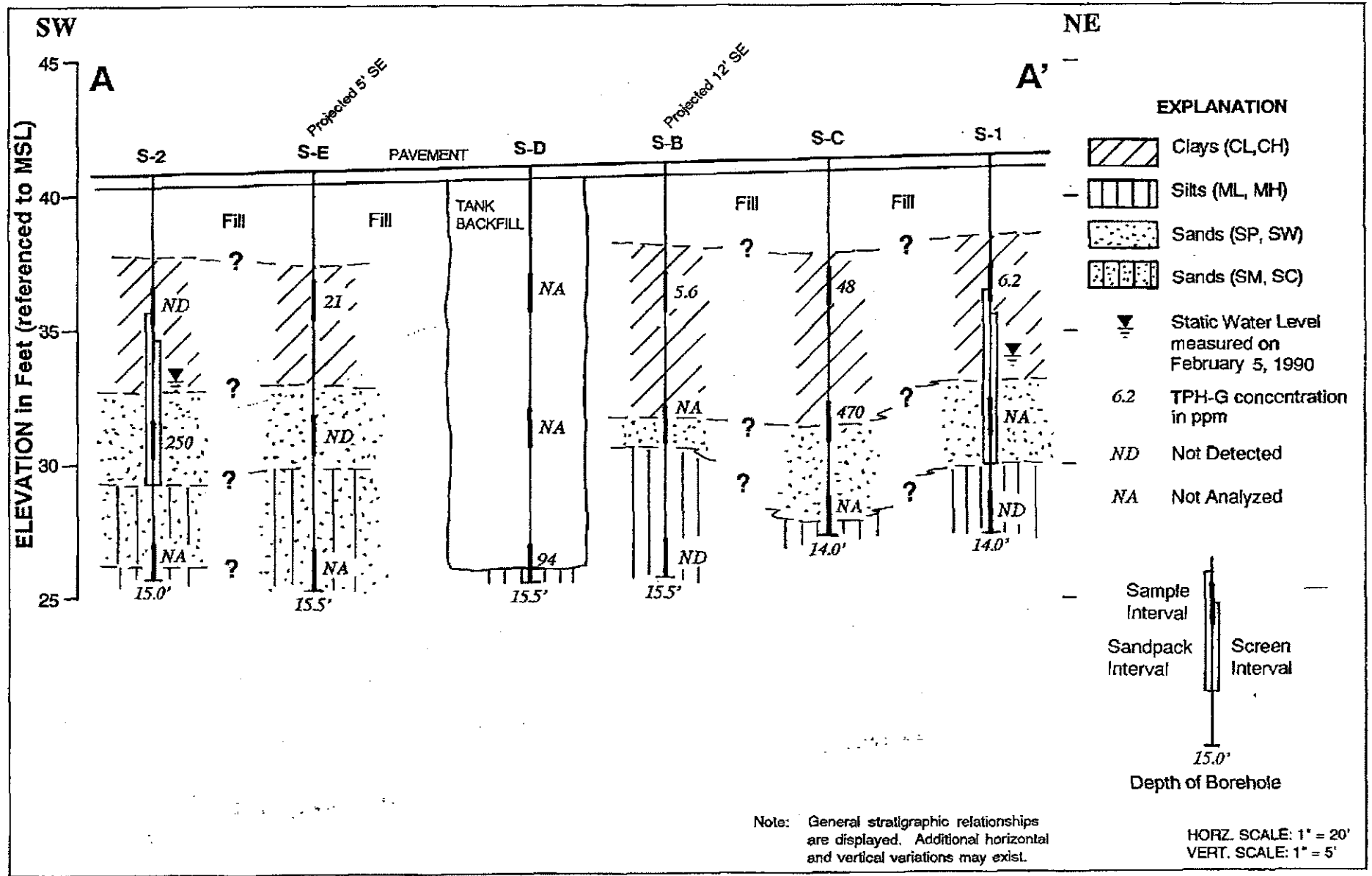
Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-8	05/26/2009	—	—	—	—	—	—	—	—	—	—	—	40.52	9.04	31.57	0.11	—
S-8	06/30/2009	—	—	—	—	—	—	—	—	—	—	—	40.52	10.28	30.32	0.10	—
S-8	07/23/2009	—	—	—	—	—	—	—	—	—	—	—	40.52	10.37	30.25	0.13	—
S-8	08/31/2009	—	—	—	—	—	—	—	—	—	—	—	40.52	10.78	29.80	0.08	—
S-8	11/24/2009	—	—	—	—	—	—	—	—	—	—	—	40.52	9.73	30.84	0.06	—
S-8	05/26/2010	59,000	150	32	2,100	4,400	—	78	—	—	—	—	40.52	7.59	32.93	0.00	—
S-8	11/30/2010	—	—	—	—	—	—	—	—	—	—	—	40.52	8.34	32.23	0.06	—
S-8	02/10/2011	—	—	—	—	—	—	—	—	—	—	—	40.52	8.28	32.30	0.08	—
S-8	05/11/2011	—	—	—	—	—	—	—	—	—	—	—	40.52	8.39	32.15	0.02	—
S-8	08/10/2011	—	—	—	—	—	—	—	—	—	—	—	40.52	8.72	31.81	0.01	—
S-8	11/28/2011	25,000	169	11.8	874	1,170	—	101	<10.0	<0.500	<0.500	<0.500	40.52	8.97	31.55	—	—
S-8	**02/28/2012**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**40.52**	**8.64**	**31.88**	**—**	**—**
S-8	**06/05/2012**	**32,000**	**160**	**15**	**600**	**660**	**—**	**75**	**—**	**—**	**—**	**—**	**40.52**	**9.63**	**30.89**	**—**	**—**
S-9	05/10/2004	—	—	—	—	—	—	—	—	—	—	—	39.72	10.34	29.38	—	—
S-9	05/12/2004	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	39.72	10.42	29.30	—	—
S-9	08/23/2004	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	39.72	11.32	28.40	—	—
S-9	12/01/2004	Unable to locate		—	—	—	—	—	—	—	—	—	39.72	—	—	—	—
S-9	02/07/2005	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	39.72	8.74	30.98	—	—
S-9	05/02/2005	Well inaccessible		—	—	—	—	—	—	—	—	—	39.72	—	—	—	—
S-9	08/04/2005	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	39.72	8.79	30.93	—	—
S-9	11/16/2005	<50.0	<0.500	<0.500	<0.500	<0.500	—	<0.500	—	—	—	—	39.72	10.30	29.42	—	—
S-9	03/02/2006	<50	<0.50	<0.50	<0.50	<0.50	—	<0.50	—	—	—	—	39.72	5.86	33.86	—	—
S-9	05/31/2006	<50.0	<0.500	<0.500	<0.500	0.540	—	<0.500	—	—	—	—	39.72	9.85	29.87	—	—
S-9	08/29/2006	<50.0	<0.500	<0.500	<0.500	<0.500	—	<0.500	—	—	—	—	39.72	10.75	28.97	—	—
S-9	12/06/2006	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	39.72	10.60	29.12	—	—
S-9	01/30/2007	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	39.72	10.45	29.27	—	—
S-9	05/15/2007	61 d,f	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	39.72	10.15	29.57	—	—
S-9	08/29/2007	71 f	<0.50	<1.0	1.3	2.1	—	<1.0	<10	<2.0	<2.0	<2.0	39.72	10.96	28.76	—	—
S-9	11/29/2007	Well inaccessible		—	—	—	—	—	—	—	—	—	39.72	—	—	—	—
S-9	02/21/2008	<50 f	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	39.72	7.36	32.36	—	—
S-9	05/06/2008	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	39.72	10.49	29.23	—	—
S-9	08/27/2008	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	39.72	11.19	28.53	—	—
S-9	11/24/2008	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	39.72	10.91	28.81	—	—

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-9	01/28/2009	Well inaccessible		—	—	—	—	—	—	—	—	—	39.72	—	—	—	—
S-9	05/26/2009	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	39.72	10.20	29.52	—	—
S-9	11/24/2009	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	39.72	10.52	29.20	—	—
S-9	05/26/2010	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	39.72	7.09	32.63	—	—
S-9	11/30/2010	<50	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	39.72	7.42	32.30	—	—
S-9	05/11/2011	Well inaccessible		—	—	—	—	—	—	—	—	—	39.72	—	—	—	—
S-9	11/28/2011	Well inaccessible		—	—	—	—	—	—	—	—	—	39.72	—	—	—	—
S-9	12/02/2011	<50	<0.500	<0.500	<0.500	<0.500	—	<0.500	—	—	—	—	39.72	8.80	30.92	—	—
S-9	**06/05/2012**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**—**	**<0.50**	**—**	**—**	**—**	**—**	**39.72**	**10.17**	**29.55**	**—**	**—**

Notes:
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; prior to May 31, 2001, analyzed by EPA Method 8015 unless otherwise noted.
BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; prior to May 31, 2001, analyzed by EPA Method 8020.
MTBE = Methyl tertiary-butyl ether analyzed by method noted
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B
DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
TOC = Top of casing elevation, in feet relative to mean sea level
SPH = Separate-phase hydrocarbon
GW = Groundwater
DO = Dissolved oxygen
µg/L = Micrograms per liter
ft = Feet
MSL = Mean sea level
mg/L = Milligrams per liter
<x = Not detected at reporting limit x
— = Not analyzed or not available
(D) = Duplicate sample

a = Sample analyzed for total dissolved solids (450 mg/L).
b = Concentration is an estimated value above the linear quantitation range.
c = TOC lowered 0.19 feet due to wellhead maintenance.
d = Hydrocarbon reported does not match the laboratory standard.



Note: General stratigraphic relationships are displayed. Additional horizontal and vertical variations may exist.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GeoStrategies Inc.

Cross-section A-A'
Shell Service Station
999 San Pablo Avenue
Albany, California

PLATE
5

JOB NUMBER
7666

REVIEWED BY RG/CEG
CMP CEG 1262

DATE
3/90

REVISED DATE

REVISED DATE

ATTACHMENT 6

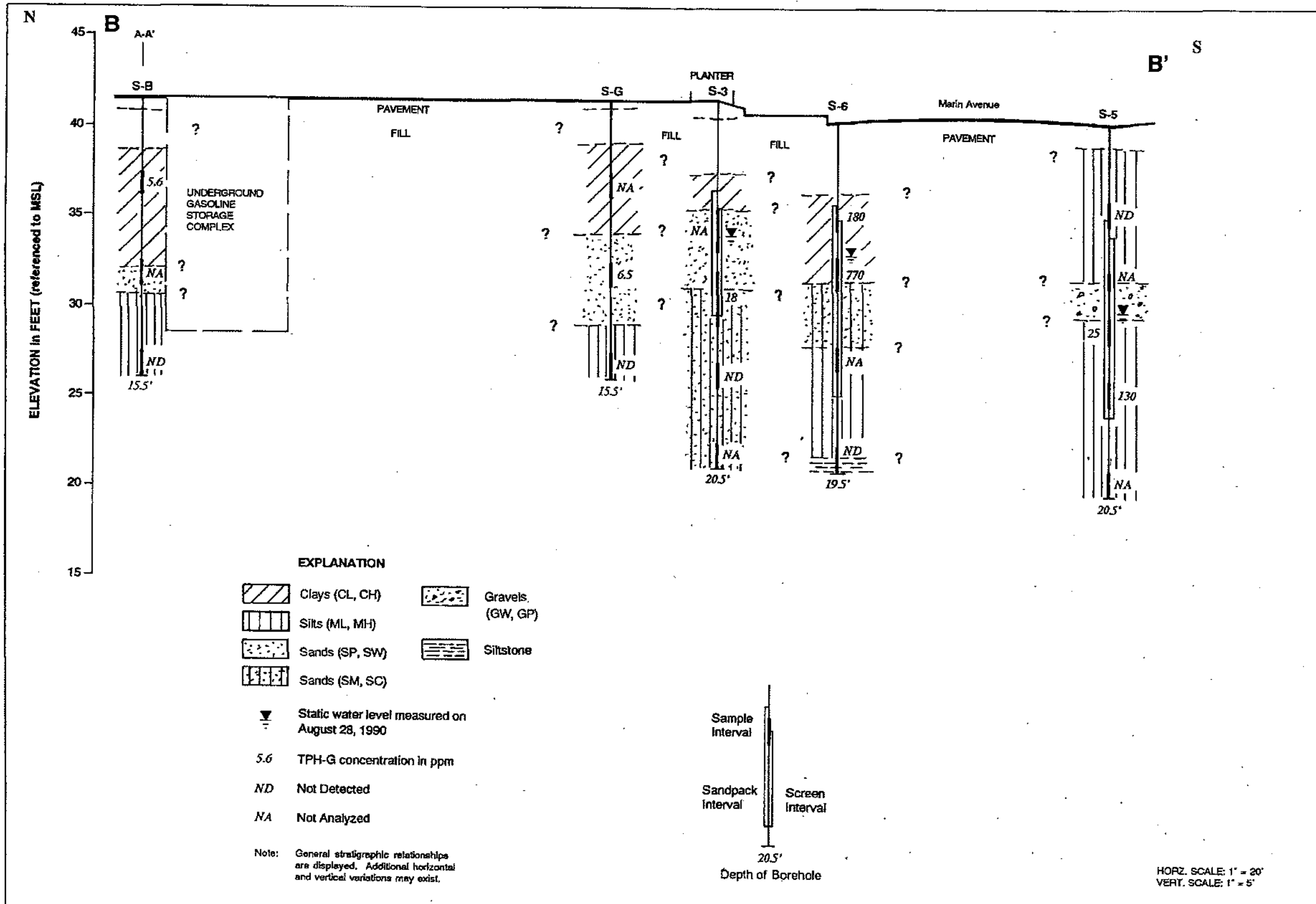


PLATE 6

Cross-Section B-B'
Shell Service Station
999 San Pablo Avenue
Albany, California

GSI GeoStrategies Inc.

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7668	[illegible]	6/90	10/90	

Predicted Time to Reach Water Quality Objectives (WQO) in Well S-2

Shell-branded Service Station, 999 San Pablo Avenue, Albany, California

$y = b\,e^{ax}$ ===> $x = \ln(y/b) / a$

where: y = concentration in µg/L; a = decay constant
b = concentration at time (x); x = time (x) in days

		Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene
Given				
	WQO:	y	210	46
	Constant:	b	NA	3.85E+13
	Constant:	a	NA	-7.06E-04
	Starting date for current trend:		NA	8/26/1992
Calculate				
	Attenuation Half Life (years):	(-ln(2)/a)/365.25	NA	2.69
	Estimated Date to Reach WQO:	(x = ln(y/b) / a)	Stable	Jul 2006

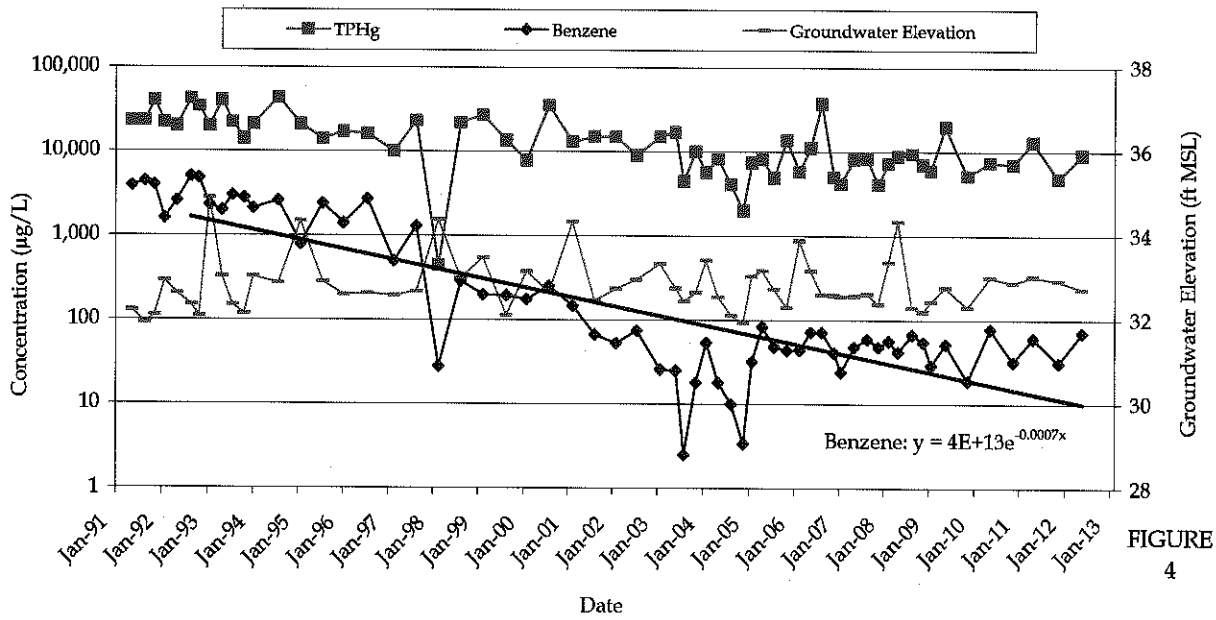


FIGURE 4

Shell-branded Service Station
999 San Pablo Avenue
Albany, California

CONESTOGA-ROVERS & ASSOCIATES

S-2:
TPHg and Benzene Concentrations and Groundwater Elevations versus Time

Predicted Time to Reach Water Quality Objectives (WQO) in Well S-3

Shell-branded Service Station, 999 San Pablo Avenue, Albany, California

$y = b\,e^{ax}$ ===> $x = \ln(y/b) / a$

where: y = concentration in µg/L; a = decay constant
b = concentration at time (x); x = time (x) in days

		Constituent: Total Petroleum Hydrocarbons as Gasoline (TPHg)
Given		
WQO:	y	210
Constant:	b	NA
Constant:	a	NA
Starting date for current trend:		NA
Calculate		
Attenuation Half Life (years):	(-ln(2)/a)/365.25	NA
Estimated Date to Reach WQO:	(x = ln(y/b) / a)	Stable

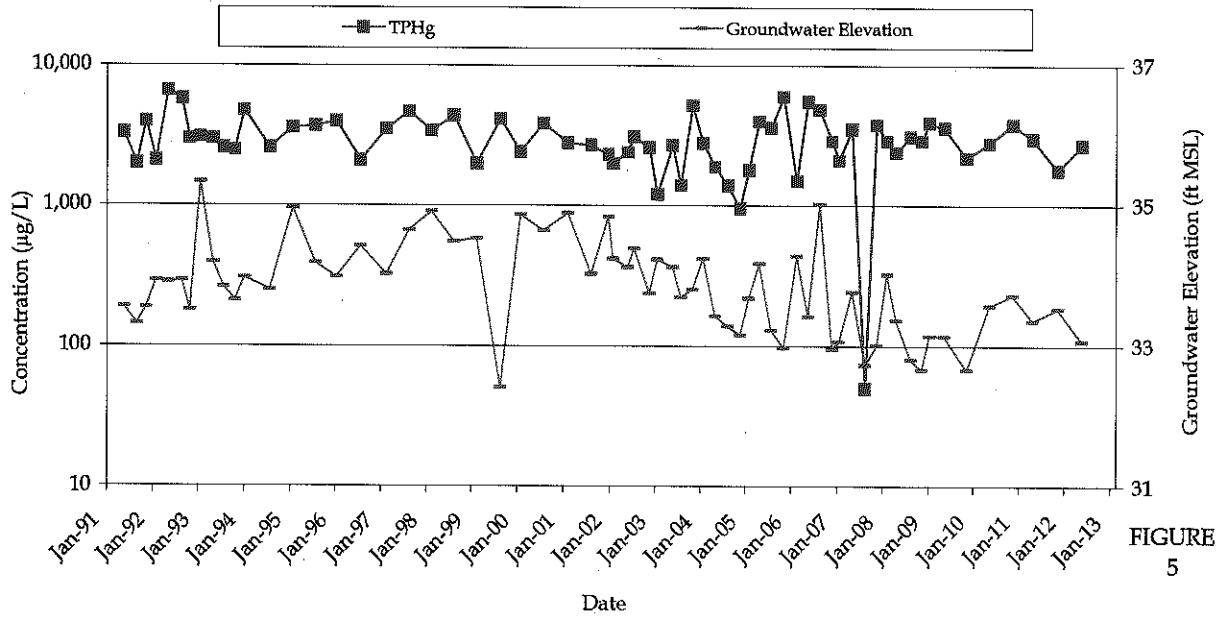


FIGURE 5

Shell-branded Service Station
999 San Pablo Avenue
Albany, California

CONESTOGA-ROVERS & ASSOCIATES

S-3:
TPHg Concentrations and Groundwater Elevations versus Time

Predicted Time to Reach Water Quality Objectives (WQO) in Well S-6

Shell-branded Service Station, 999 San Pablo Avenue, Albany, California

$y = b\,e^{ax}$ ===> $x = \ln(y/b) / a$

where: y = concentration in µg/L; a = decay constant
b = concentration at time (x); x = time (x) in days

		Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene
Given				
	WQO:	y	210	46
	Constant:	b	NA	5.75E+04
	Constant:	a	NA	-1.58E-04
	Starting date for current trend:		NA	5/13/1991
Calculate				
	Attenuation Half Life (years):	(-ln(2)/a)/365.25	NA	12.02
	Estimated Date to Reach WQO:	(x = ln(y/b) / a)	Stable	Aug 2023

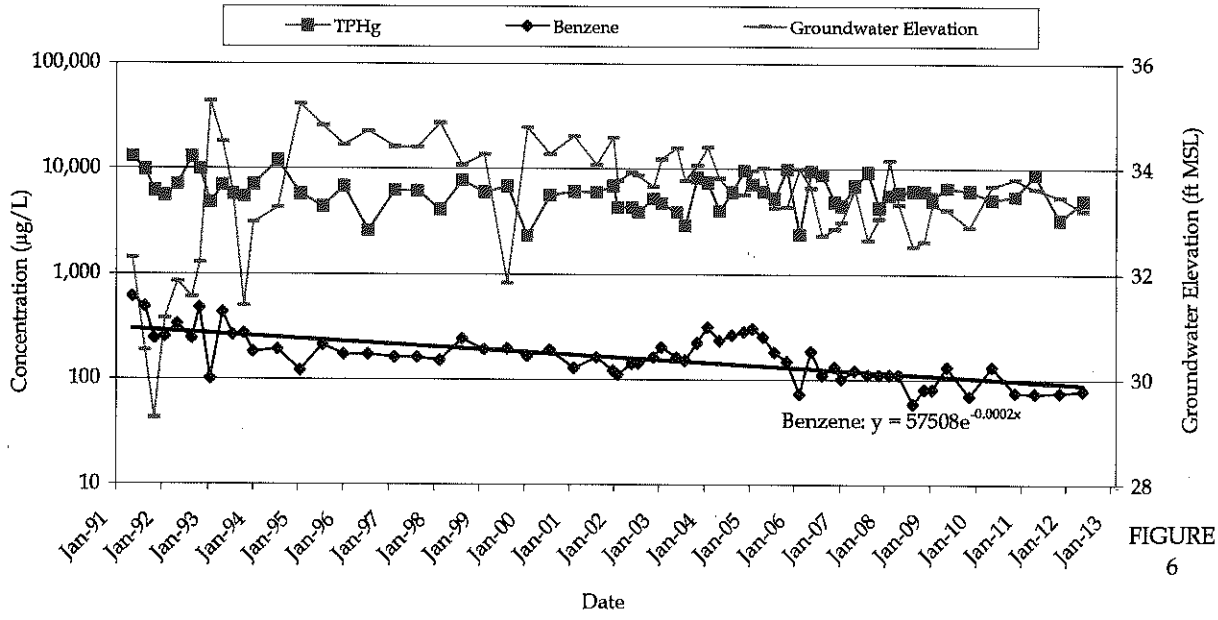


FIGURE 6

Shell-branded Service Station
999 San Pablo Avenue
Albany, California

CONESTOGA-ROVERS & ASSOCIATES

S-6:
TPHg and Benzene Concentrations and Groundwater Elevations versus Time