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Environmental Services Company
4096 Piedmont Avenue #194
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Jennifer C. Sedlachek
Project Manager

ExxonMobil

March 24, 2016

Mr. Mark Detterman
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

RE: Former Exxon RAS #79374/990 San Pablo Avenue, Albany, California.

Dear Mr. Detterman:

Attached for your review and comment is a copy of the letter report entitled ***Response to Request for Work Plan and Remedial Progress Report,*** dated March 24, 2016, for the above-referenced site. The report was prepared by Cardno of Petaluma, California, and details activities at the subject site.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,

Jennifer C. Sedlachek
Project Manager

Attachment: Cardno's ***Response to Request for Work Plan and Remedial Progress Report,*** dated March 24, 2016

cc: w/ attachment
Ms. Muriel T. Blank, Trustee, The Blank Family Trust
Reverend Deborah Blank, Trustee, The Blank Family Trust
Ms. Marcia Blank Kelly, The Blank Family Trust
Mr. Reece Halpern, Halpern Law Office

w/o attachment
Mr. Scott Perkins, Cardno

March 24, 2016
Cardno 2735C.L13

Cardno

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Ms. Jennifer C. Sedlachek
ExxonMobil Environmental Services Company
4096 Piedmont Avenue #194
Oakland, California 94611

SUBJECT **Response to Request for Work Plan and Remedial Progress Report**
Former Exxon Service Station 79374
990 San Pablo Avenue, Albany, California

Alameda County Department of Environmental Health RO 0002974

Ms. Sedlachek:

At the request of ExxonMobil Environmental Services (EMES), on behalf of Exxon Mobil Corporation, Cardno prepared this response for the subject site to address comments made by the Alameda County Health Care Services Agency, Environmental Health Services (ACEH), in a letter dated January 8, 2016 (Appendix A), written in response to Cardno's *Data Gap Investigation, Well Installation, and Remedial Progress Report,* dated November 12, 2015 (Cardno, 2015c) and *Groundwater Monitoring and Remediation Status Report, Fourth Quarter 2015,* dated December 17, 2015 (Cardno, 2015d). The letter states that ACEH reviewed the site under the State Water Resource Control Board's *Low-Threat Underground Storage Tank Case Closure Policy* (LTCP), adopted August 17, 2012 (SWRCB, 2012). ACEH requested the submission of a Data Gap Investigation Work Plan and a Remedial Progress Report by March 25, 2016. During the first quarter of 2016, an application was submitted to the Bay Area Air Quality Management District (BAAQMD) for an authority to construct and permit to operate a portable remediation system.

SITE DESCRIPTION

Former Exxon Service Station 79374 is located at 990 San Pablo Avenue, on the northwestern corner of the intersection of Buchanan Street and San Pablo Avenue, Albany, California (Plate 1). A Generalized Site Plan is included as Plate 2. An Extended Site Plan is included as Plate 3. Select groundwater analytical data is presented on Plate 4. Select groundwater analytical data is presented on Plate 5. A tabular site conceptual model for the site detailing additional site information is included as Appendix B.

A retail outlet for Benjamin Moore paints and painting products and associated asphalt parking area currently occupies the site. The surrounding areas consist of residential and commercial properties (Plate 2). The City of Albany Fire Department and Police Department are located south of the site on Buchanan Street. ACEH case number RO0000119, identified as Firestone #3655 in the GeoTracker™ database, is located across San Pablo Avenue to the east (Plate 3). A Shell service station and an Atlantic Richfield Company (Arco) service station are located approximately 350 and 500 feet away, respectively, south-southeast of the site.

In 1945, a service station owned by Signal Oil Company occupied the site (EDR, 2009a). Humble Oil Company (a predecessor to Exxon Mobil Corporation) acquired the site in approximately 1967 from Standard Oil Company of California (a predecessor to Chevron), rebranding the site as an Enco station. The station was rebranded as an Exxon service station in 1975 (EDR, 2009a; EDR, 2009b). The service station was demolished in 1983. During demolition activities, one used-oil UST and four gasoline USTs were removed and the resulting tank cavity was backfilled with sand and compacted to 90% (City of Albany, 1983).

Cumulative groundwater monitoring and sampling data are summarized in Tables 1A through 1C. Well construction details are presented in Table 2. Cumulative soil analytical results are summarized in Tables 3A and 3B. Cumulative soil vapor analytical results are summarized in Table 4.

RESPONSE TO COMMENTS

Comments from the ACEH's letter dated January 8, 2016 (Appendix A) are paraphrased in boldface type followed by Cardno's response.

Present a strategy in a data gap work plan to address items related to the secondary source removal or provide justification of why the site satisfies the general criterion for secondary source removal.

Cardno agrees that the secondary source has not been removed to the extent practicable; however, Cardno does not agree that a data gap work plan is warranted to further evaluate the secondary source. To date, there have been three soil borings (B1, B2, and B4) and six wells (MW3, MW3A, SVE1 through SVE3, and AS1) installed within or directly adjacent to the UST cavity, providing adequate information about the UST cavity (Plate 2). A strategy to perform secondary source removal was previously presented in the *Feasibility Study/Corrective Action Plan,* dated February 4, 2015 (Cardno, 2015a), and the *Remedial Design Implementation Plan and Data Gap Investigation Work Plan,* dated May 15, 2015 (Cardno 2015b). An application for a site-specific air discharge permit from the BAAQMD has been submitted and is being processed. Due to the proximity of the site a public school, the permit approval process will likely be lengthened by the notification requirements required when the discharge point is located near a school. Based on the timing of similar permit submittals with the BAAQMD, it is anticipated that the permit review

and notification requirements will take approximately six months and possibly longer if significant public comments are received. Cardno anticipates initiating remediation activities following the receipt of the permit and has the remediation equipment ready to mobilize.

Present a strategy to address the media-specific criteria for groundwater as the case file indicates insufficient data to support requisite characteristics of plume stability or classification. The concern is not limited to petroleum hydrocarbons but also includes HVOCs.

The current well network at the site has existed for less than six months. Well MW9 has only been sampled twice to date (October and November 2015). Cardno believes that preparing a data gap work plan for further groundwater assessment at this time is premature and the existing groundwater wells and borings may be adequate. Borings B8 and B10 through B15 were advanced within or directly adjacent to Buchanan Street in 2014 (Cardno ERI, 2014). It should be noted that the police station across Buchanan Street would not permit blocking vehicular access to their parking spaces. The police department agreed to the installation of boring B15 using hand tools, but would not allow for the use of a drill rig due to concerns with potentially limiting vehicle access during emergencies. During the previous mobilization, the police department would not allow borings or wells to be installed between the locations of borings B14 and B15. The fire department has also expressed similar concerns about blocking vehicular access to the fire station, which is located next to the police station. Given the restrictions on drilling locations near the police station, Cardno believes that the existing well and boring network adequately delineate concentrations south of the site (Plates 4 and 5). In addition to these wells and borings, there are borings associated with the environmental investigation at the fire station located across Buchanan Street (Appendix C). The environmental investigation at the fire station was closed in December 2014 (Appendix C).

In addition to the fire station, there is another environmental investigation across San Pablo Avenue at Former Firestone #3655, located at 969 San Pablo Avenue. In the *Focused Site Conceptual Model,* dated May 15, 2015 (Weiss, 2015), the dissolved-phase concentrations of HVOCs at the Firestone site are attributed to the subject site. Cardno does not agree that the HVOC concentrations at the Firestone site originated at the subject site. Cardno believes that it is significant that the maximum residual PCE concentration (7.23 mg/kg) at the Firestone site was reported from a sample collected at 5 feet bgs from the north wall of the used-oil UST excavation (Appendix D). Although the groundwater gradient at the subject site appears variable at times, the distribution of petroleum hydrocarbon concentrations strongly suggest that the predominant groundwater flow direction is toward the south to southwest, which is consistent with the groundwater flow direction observed at the Firestone site (Appendix D) and does not support concentrations migrating from the subject site to the Firestone site. If groundwater were to flow from the subject site to the Firestone site, presumably higher concentrations of petroleum hydrocarbons would be reported in wells MW1 and MW2, where concentrations of TPHg and BTEX are generally near or below laboratory reporting limits (Table 1A). To further evaluate HVOC concentrations south of the site, Cardno has requested that

the existing laboratory data for groundwater samples collected from borings B8, B10 through B13, and B15 be reanalyzed for PCE and TCE. The existing data may contain usable PCE and TCE results that were not previously evaluated when the samples were analyzed by EPA Method 8260. The results of the reanalysis will be submitted to ACEH in the next status report.

Cardno does not believe that a data gap investigation for further groundwater assessment is warranted at this time. **Present a strategy to address the risk of indoor air intrusion. Recent views of the site on Google Earth indicate that the elevation of the residential home is 1 to 2 feet lower than the subject site.**

Cardno agrees that the neighboring residential property appears on Google Earth to sit at a lower elevation than the subject site due to what appears to be a retaining wall installed between the site and the residential property. In reality, what appears to be a retaining wall is actually just a curb and the neighboring property is at close to the same elevation as the site, as shown in the photo below.

Photo Showing the Western Property Boundary

Nonetheless, the reported vapor-phase concentrations at the subject site exceed applicable screening levels and could pose a vapor intrusion risk. In addition to removing secondary source, the proposed remediation at the site is intended to reduce soil vapor concentrations. The *Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air* (DTSC, 2011) presents four potential paths to pursue when a preliminary screening evaluation (Step 5) indicates that the risk due to vapor intrusion is unacceptable. The four available options are:

- Conduct an evaluation of vapor intrusion with site-specific data.
- Collect indoor air samples to substantiate exposure from vapor intrusion as indicated by the preliminary evaluation.
- Remediate the subsurface to levels determined by the preliminary screening evaluation process.
- Institute engineering controls at the building to mitigate exposure.

Cardno proposes to remediate the subsurface and perform future soil vapor sampling and compare the results with the media-specific criteria included in the LTCP. Cardno anticipates initiating remediation activities following the receipt of the BAAQMD discharge permit.

Please prepare a data gap investigation work plan with a focused site conceptual model in tabular format.

Based on the above, Cardno does not believe that an additional data gap investigation work plan is warranted at this time. The tabular site conceptual model was last updated in the *Data Gap Investigation, Well Installation, and Remedial Progress Report*, dated November 12, 2015 (Cardno, 2015c), and is included in Appendix B.

Please include laboratory analysis for HVOCs in the next vapor extraction event.

Future influent SVE samples will be analyzed for full-scan VOCs using EPA method TO-15M. The pending BAAQMD permit may have specific requirements for the laboratory analysis of effluent samples. Effluent samples will be analyzed as required to demonstrate compliance with the permit conditions.

Please copy ACEH on system discharge reports to a POTW and to the BAAQMD.

Based on the amount of water produced during previous events, there are no plans to acquire a POTW permit at this time. Documentation of the off-site water disposal will be included in the applicable status reports. Cardno will copy ACEH on discharge reports submitted to the BAAQMD.

In future groundwater monitoring reports, please tabulate chlorinated solvents and other detected compounds under individual column headers.

Updated groundwater analytical tables are included as Tables 1A through 1C. Cardno believes it is reasonable to limit the amount of analyses that are tabulated at some point. Tabulating all analyses detected above the laboratory limit can be extremely time consuming. For example, when an analyte is reported for the first time, not only does that data need to be tabulated but all previous laboratory reports need to be reviewed to accurately tabulate the data. Please notify us if there are any particular analytes that ACEH would like to see tabulated. Otherwise, Cardno proposes to limit the tabulated data to the current three tables, which contain 40 analytes.

LIMITATIONS

For documents cited that were not generated by Cardno, the data taken from those documents is used "as is" and is assumed to be accurate. Cardno does not guarantee the accuracy of this data and makes no warranties for the referenced work performed nor the inferences or conclusions stated in these documents.

This document and the work performed have been undertaken in good faith, with due diligence and with the expertise, experience, capability, and specialized knowledge necessary to perform the work in a good and workmanlike manner and within all accepted standards pertaining to providers of environmental services in California at the time of investigation. No soil engineering or geotechnical references are implied or should be inferred. The evaluation of the geologic conditions at the site for this investigation is made from a limited number of data points. Subsurface conditions may vary away from these data points.

Please contact Mr. Scott Perkins, Cardno's project manager for this site, at scott.perkins@cardno.com or at (707) 766-2000 with questions regarding the subject site.

Sincerely,

Scott Perkins
Senior Project Manager
for Cardno
Direct Line 707 766 2000
Email: scott.perkins@cardno.com

David R. Daniels
P.G. 8737
for Cardno
707 766 2000
Email: david.daniels@cardno.com

Enclosure:

References

Acronym List

Plate 1	Site Vicinity Map
Plate 2	Generalized Site Plan
Plate 3	Extended Site Plan
Plate 4	Select Groundwater Analytical Results
Plate 5	Select Soil Analytical Results

Table 1A	Cumulative Groundwater Monitoring and Sampling Data
Table 1B	Additional Cumulative Groundwater Monitoring and Sampling Data - VOCs
Table 1C	Additional Cumulative Groundwater Monitoring and Sampling Data - VOCs
Table 2	Well Construction Details
Table 3A	Cumulative Soil Analytical Results
Table 3B	Additional Cumulative Soil Analytical Results – HVOCs and PAHs
Table 4	Cumulative Soil Vapor Analytical Results

Appendix A	Correspondence
Appendix B	Tabular SCM
Appendix C	City of Albany Fire Department, 1001 Marin Avenue, Albany, California
Appendix D	Former Firestone #3655, 969 San Pablo Avenue, Albany, California

cc: Mr. Mark Detterman, Alameda County Health Care Services Agency, Environmental Health Services, 1131 Harbor Bay Parkway, Suite 250, Alameda, California, 94502-6577

Ms. Muriel T. Blank, Trustee, The Blank Family Trusts, 1164 Solano Avenue, Albany, California, 94706

Reverend Deborah Blank, Trustee, The Blank Family Trusts, 1563 Solano Avenue, Berkeley, California, 94707

Ms. Marcia Blank, Trustee, The Blank Family Trusts, 641 SW Morningside Road, Topeka, Kansas, 66606

Mr. Reece Halpern, Halpern Law Office, 1534 Solano Avenue, Albany, California, 94707

REFERENCES

Cardno. February 4, 2015a. *Feasibility Study/Corrective Action Plan, Former Exxon Service Station 79374, 990 San Pablo Avenue, Albany, California, Alameda County #RO00002974.*

Cardno. May 15, 2015b. *Remedial Design Implementation Plan and Data Gap Investigation Work Plan, Former Exxon Service Station 79374, 990 San Pablo Avenue, Albany, California, Alameda County #RO00002974.*

Cardno. November 12, 2015c. *Data Gap Investigation, Well Installation, and Remedial Progress Report, Former Exxon Service Station 79374, 990 San Pablo Avenue, Albany, California, Alameda County #RO00002974.*

Cardno. December 17, 2015d. *Groundwater Monitoring and Remedial Status Report, Former Exxon Service Station 79374, 990 San Pablo Avenue, Albany, California, Alameda County #RO00002974.*

Cardno ERI. May 2, 2014. *Soil, Soil Vapor, and Groundwater Investigation Report and Site Conceptual Model, Former Exxon Service Station 79374, 990 San Pablo Avenue, Albany, California, Alameda County #RO00002974.*
City of Albany. March 28, 1983. *Building Permit 82-0708.*

Department of Toxic Substances Control, California Environmental Protection Agency (DTSC). October 2011. *Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance).*

Environmental Data Resources Inc. (EDR). December 1, 2009a. *The EDR-City Directory Abstract, 990 San Pablo Avenue, Albany, CA 94706. Inquiry Number: 2648519.6.*

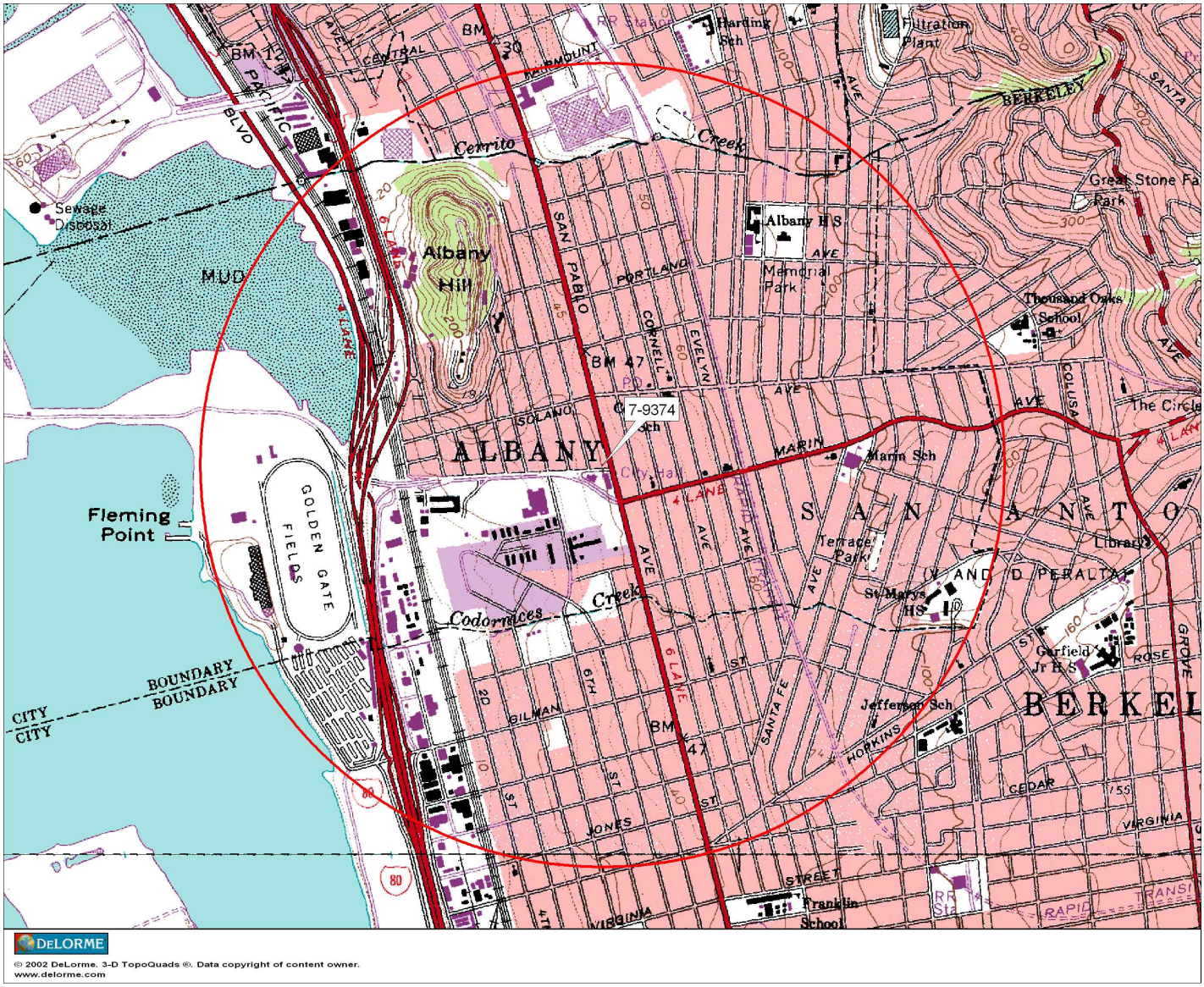
Environmental Data Resources Inc. (EDR). December 1, 2009b. *Certified Sanborn® Map Report, 990 San Pablo Avenue, Albany, CA 94706. Inquiry Number: 2648519.36.*

State Water Resources Control Board (SWRCB). August 17, 2012. *Low-Threat Underground Storage Tank Case Closure Policy.*

Weiss Associates (Weiss). May 15, 2015. *Focused Site Conceptual Model Report for Former Firestone Tire Store #3655, 996 San Pablo Avenue, Albany, California, ACEH Case No.R0000119.*

ACRONYM LIST

µg/L	Micrograms per liter
µs	Microsiemens
1,2-DCA	1,2-dichloroethane
acfm	Actual cubic feet per minute
AS	Air sparge
bgs	Below ground surface
BTEX	Benzene, toluene, ethylbenzene, and total xylenes
CEQA	California Environmental Quality Act
cfm	Cubic feet per minute
COC	Chain of Custody
CPT	Cone Penetration (Penetrometer) Test
DIPE	Di-isopropyl ether
DO	Dissolved oxygen
DOT	Department of Transportation
DPE	Dual-phase extraction
DTW	Depth to water
EDB	1,2-dibromoethane
EPA	Environmental Protection Agency
ESL	Environmental screening level
ETBE	Ethyl tertiary butyl ether
FID	Flame-ionization detector
fpm	Feet per minute
GAC	Granular activated carbon
gpd	Gallons per day
gpm	Gallons per minute
GWPTS	Groundwater pump and treat system
HVOC	Halogenated volatile organic compound
J	Estimated value between MDL and PQL (RL)
LEL	Lower explosive limit
LPC	Liquid-phase carbon
LRP	Liquid-ring pump
LUFT	Leaking underground fuel tank
LUST	Leaking underground storage tank
MCL	Maximum contaminant level
MDL	Method detection limit
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
mg/m^3	Milligrams per cubic meter
MPE	Multi-phase extraction
MRL	Method reporting limit
msl	Mean sea level
MTBE	Methyl tertiary butyl ether
MTCA	Model Toxics Control Act
NAI	Natural attenuation indicators
NAPL	Non-aqueous phase liquid
NEPA	National Environmental Policy Act
NGVD	National Geodetic Vertical Datum
NPDES	National Pollutant Discharge Elimination System
O&M	Operations and Maintenance
ORP	Oxidation-reduction potential
OSHA	Occupational Safety and Health Administration
OVA	Organic vapor analyzer
P&ID	Process & Instrumentation Diagram
PAH	Polycyclic aromatic hydrocarbon
PCB	Polychlorinated biphenyl
PCE	Tetrachloroethene or perchloroethylene
PID	Photo-ionization detector
PLC	Programmable logic control
POTW	Publicly owned treatment works
ppmv	Parts per million by volume
PQL	Practical quantitation limit
psi	Pounds per square inch
PVC	Polyvinyl chloride
QA/QC	Quality assurance/quality control
RBSL	Risk-based screening levels
RCRA	Resource Conservation and Recovery Act
RL	Reporting limit
scfm	Standard cubic feet per minute
SSTL	Site-specific target level
STLC	Soluble threshold limit concentration
SVE	Soil vapor extraction
SVOC	Semi-volatile organic compound
TAME	Tertiary amyl methyl ether
TBA	Tertiary butyl alcohol
TCE	Trichloroethene
TOC	Top of well casing elevation; datum is msl
TOG	Total oil and grease
TPHd	Total petroleum hydrocarbons as diesel
TPHg	Total petroleum hydrocarbons as gasoline
TPHmo	Total petroleum hydrocarbons as motor oil
TPHs	Total petroleum hydrocarbons as stoddard solvent
TRPH	Total recoverable petroleum hydrocarbons
UCL	Upper confidence level
USCS	Unified Soil Classification System
USGS	United States Geologic Survey
UST	Underground storage tank
VCP	Voluntary Cleanup Program
VOC	Volatile organic compound
VPC	Vapor-phase carbon



FN 2735 TOPO

EXPLANATION

1/2-mile radius circle

N

APPROXIMATE SCALE

0 0.5 1 mile

SOURCE:
Modified from a map
provided by
DeLorme 3-D TopoQuads

SITE VICINITY MAP

FORMER EXXON SERVICE STATION 79374
990 San Pablo Avenue
Albany, California

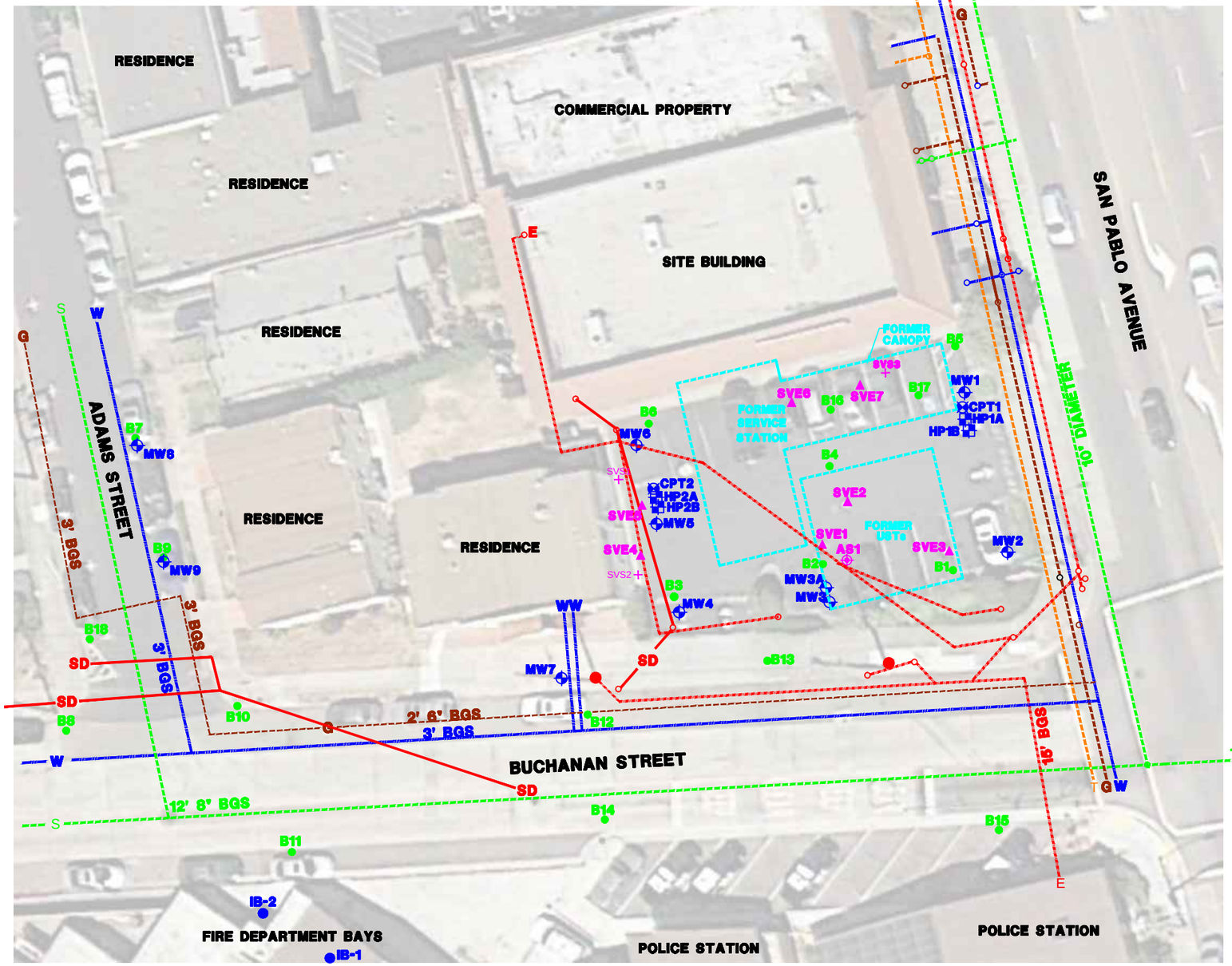
Cardno Shaping the Future

PROJECT NO. 2735

PLATE 1

UTILITIES LEGEND

- TELEPHONE
- ELECTRICAL
- WATER
- GAS
- SEWER
- STORM DRAIN
- POWER POLE



APPROXIMATE SCALE

0 30 60 Feet

FN 2735 GSP AERIAL _SP L13

Cardno Shaping the Future

GENERALIZED SITE PLAN

FORMER EXXON SERVICE STATION 79374
990 San Pablo Avenue
Albany, California

EXPLANATION

- MW9 Groundwater Monitoring Well
- B18 Soil Boring
- IB-2 Soil Boring by Other Consultant for City of Albany
- HP2B Hydropunch Boring
- CPT2 Cone Penetration Test Boring
- SVS3 Soil Vapor Sampling Well
- AS1 Air Sparge Well
- SVE7 Soil Vapor Extraction Well

PROJECT NO. 2735

PLATE 2

FN 27350005 L13

Cardno
Shaping the Future

EXTENDED SITE PLAN

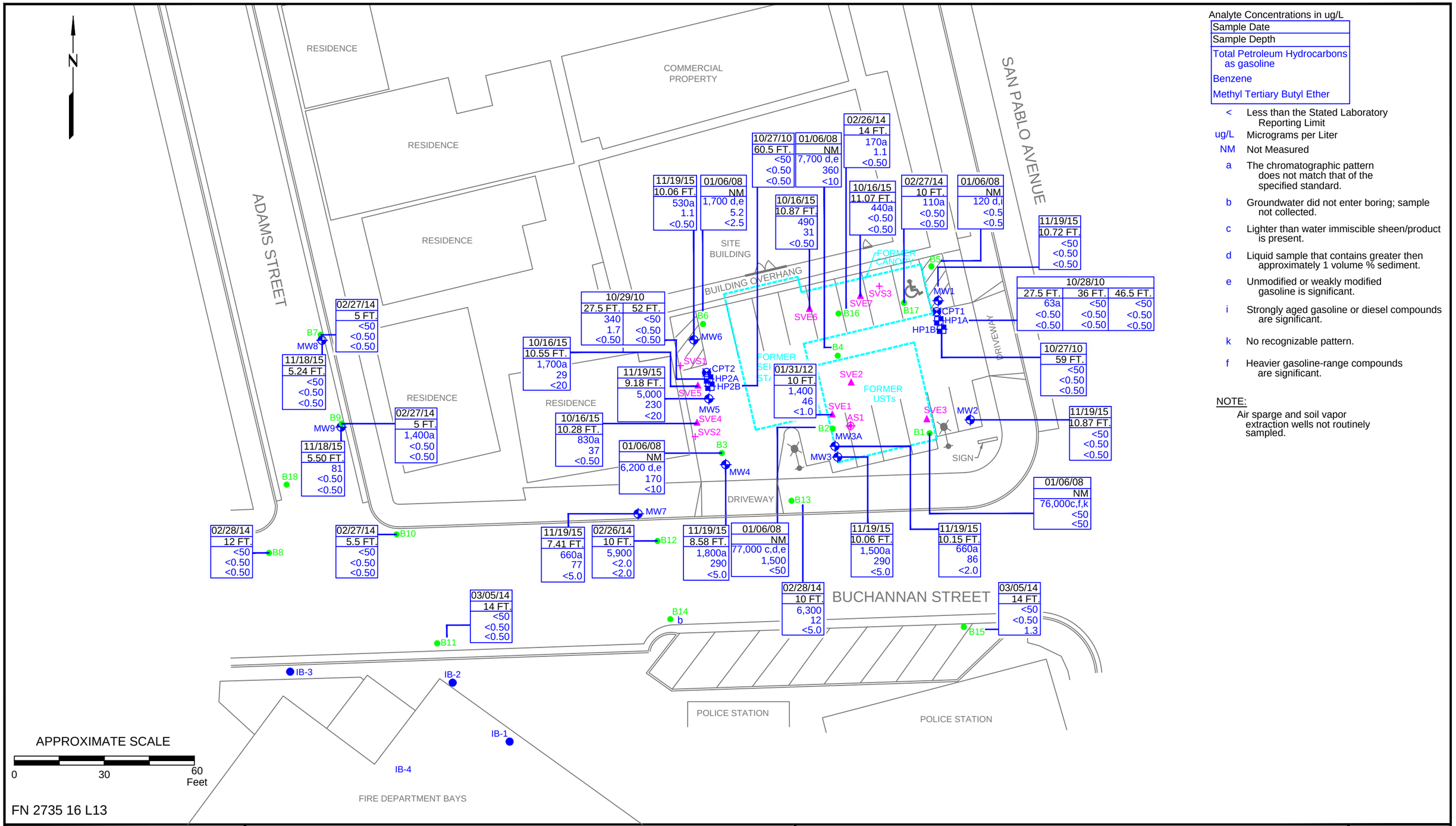
FORMER EXXON SERVICE STATION 79374
990 San Pablo Avenue
Albany, California

EXPLANATION

- MW9 — Groundwater Monitoring Well
- MW-6 — Groundwater Monitoring Well for Firestone
- MW-1 — Destroyed Groundwater Monitoring Well for Firestone
- HP2B — Hydropunch Boring
- CPT2 — Cone Penetration Test Boring
- IB-4 — Soil Boring by Other Consultant for City of Albany
- B18 — Soil Boring
- AS1 — Air Sparge Well
- SVE7 — Soil Vapor Extraction Well
- SVS3 — Soil Vapor Sampling Well

PROJECT NO. 2735

PLATE 3



Analyte Concentrations in ug/L

Sample Date
Sample Depth
Total Petroleum Hydrocarbons as gasoline
Benzene
Methyl Tertiary Butyl Ether

- < Less than the Stated Laboratory Reporting Limit
- ug/L Micrograms per Liter
- NM Not Measured
- a The chromatographic pattern does not match that of the specified standard.
- b Groundwater did not enter boring; sample not collected.
- c Lighter than water immiscible sheen/product is present.
- d Liquid sample that contains greater then approximately 1 volume % sediment.
- e Unmodified or weakly modified gasoline is significant.
- i Strongly aged gasoline or diesel compounds are significant.
- k No recognizable pattern.
- f Heavier gasoline-range compounds are significant.

NOTE:

Air sparge and soil vapor extraction wells not routinely sampled.

Cardno
Shaping the Future

SELECT GROUNDWATER ANALYTICAL RESULTS

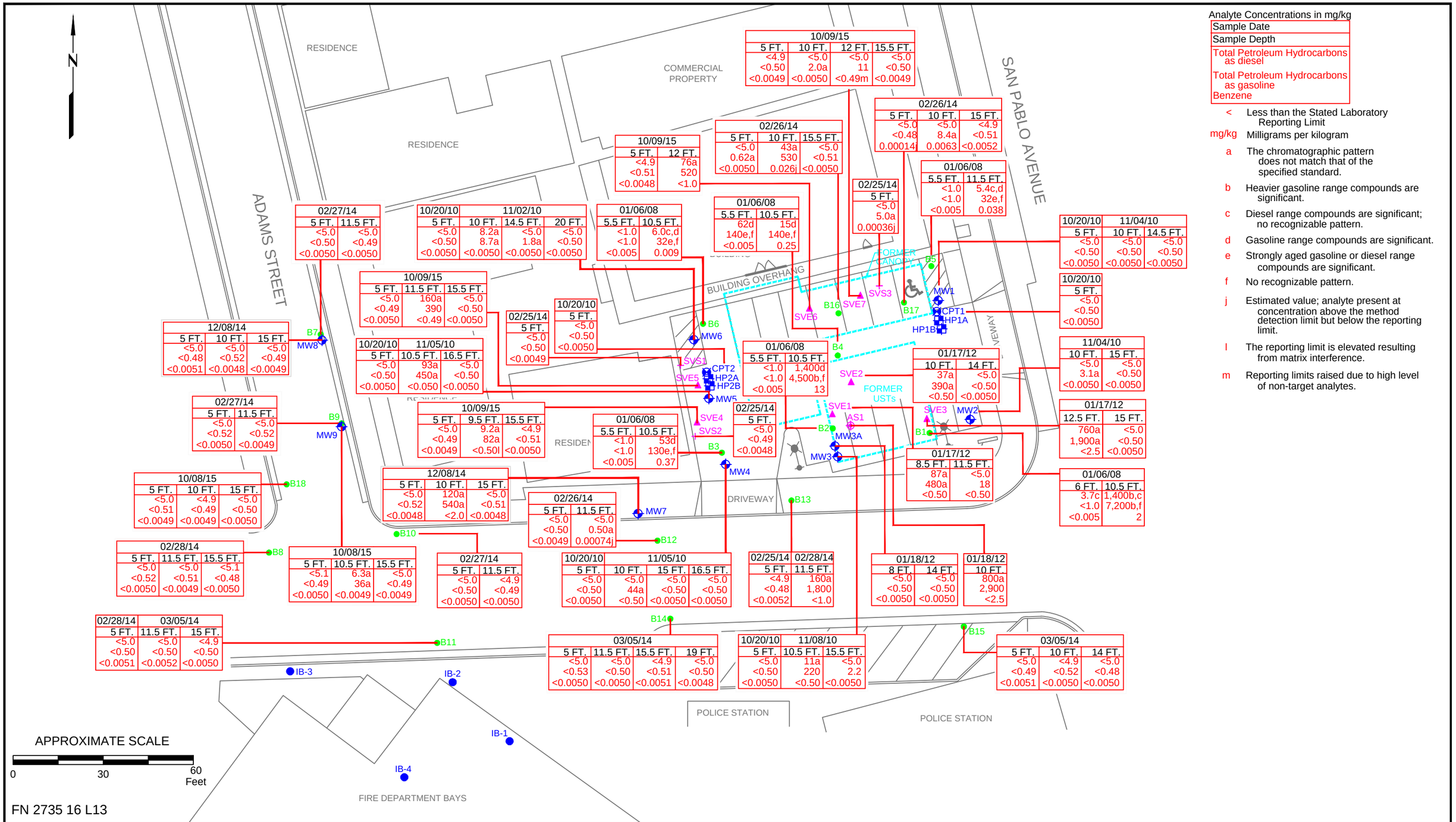
FORMER EXXON SERVICE STATION 79374
990 San Pablo Avenue
Albany, California

EXPLANATION

- MW9 Groundwater Monitoring Well
- B18 Soil Boring
- IB-2 Soil Boring by Other Consultant for City of Albany
- HP2B Hydropunch Boring
- CPT2 Cone Penetration Test Boring
- SVS3 Soil Vapor Sampling Well
- AS1 Air Sparge Well
- SVE7 Soil Vapor Extraction Well

PROJECT NO. 2735

PLATE 4



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<0.0048	

01/17/12	
12.5 FT.	15 FT.
760a	<5.0
1,900a	<0.50
<2.5	<0.0050

01/17/12	
8.5 FT.	11.5 FT.
87a	<5.0
480a	18
<0.50	<0.50

01/06/08	
6 FT.	10.5 FT.
3.7c	1,400b,c
<1.0	7,200b,f
<0.005	2

10/08/15		
5 FT.	10 FT.	15 FT.
<5.0	<4.9	<5.0
<0.51	<0.49	<0.50
<0.0049	<0.0049	<0.0050

12/08/14		
5 FT.	10 FT.	15 FT.
<5.0	120a	<5.0
<0.52	540a	<0.51
<0.0048	<2.0	<0.0048

02/26/14	
5 FT.	11.5 FT.
<5.0	<5.0
<0.50	0.50a
<0.0049	0.00074j

02/28/14		
5 FT.	11.5 FT.	15.5 FT.
<5.0	<5.0	<5.1
<0.52	<0.51	<0.48
<0.0050	<0.0049	<0.0050

10/08/15		
5 FT.	10.5 FT.	15.5 FT.
<5.1	6.3a	<5.0
<0.49	36a	<0.49
<0.0050	<0.0049	<0.0049

02/27/14	
5 FT.	11.5 FT.
<5.0	<4.9
<0.50	<0.49
<0.0050	<0.0050

10/20/10	11/05/10		
5 FT.	10 FT.	15 FT.	16.5 FT.
<5.0	<5.0	<5.0	<5.0
<0.50	44a	<0.50	<0.50
<0.0050	<0.50	<0.0050	<0.0050

02/25/14	02/28/14
5 FT.	11.5 FT.
<4.9	160a
<0.0052	1,800
	<1.0

01/18/12	
8 FT.	14 FT.
<5.0	<5.0
<0.50	<0.50
<0.0050	<0.0050

01/18/12
10 FT.
800a
2,900
<2.5

02/28/14	03/05/14	
5 FT.	11.5 FT.	15 FT.
<5.0	<5.0	<4.9
<0.50	<0.50	<0.50
<0.0051	<0.0052	<0.0050

03/05/14			
5 FT.	11.5 FT.	15.5 FT.	19 FT.
<5.0	<5.0	<4.9	<5.0
<0.53	<0.50	<0.51	<0.50
<0.0050	<0.0050	<0.0051	<0.0048

10/20/10	11/08/10	
5 FT.	10.5 FT.	15.5 FT.
<5.0	11a	<5.0
<0.50	220	2.2
<0.0050	<0.50	<0.0050

03/05/14		
5 FT.	10 FT.	14 FT.
<5.0	<4.9	<5.0
<0.49	<0.52	<0.48
<0.0051	<0.0050	<0.0050

Analyte Concentrations in mg/kg

Sample Date
Sample Depth
Total Petroleum Hydrocarbons as diesel
Total Petroleum Hydrocarbons as gasoline
Benzene

- < Less than the Stated Laboratory Reporting Limit
- mg/kg Milligrams per kilogram
- a The chromatographic pattern does not match that of the specified standard.
- b Heavier gasoline range compounds are significant.
- c Diesel range compounds are significant; no recognizable pattern.
- d Gasoline range compounds are significant.
- e Strongly aged gasoline or diesel range compounds are significant.
- f No recognizable pattern.
- j Estimated value; analyte present at concentration above the method detection limit but below the reporting limit.
- l The reporting limit is elevated resulting from matrix interference.
- m Reporting limits raised due to high level of non-target analytes.

FN 2735 16 L13

Cardno
Shaping the Future

SELECT SOIL ANALYTICAL RESULTS

FORMER EXXON SERVICE STATION 79374
990 San Pablo Avenue
Albany, California

EXPLANATION

- MW9 Groundwater Monitoring Well
- B18 Soil Boring
- IB-4 Soil Boring by Other Consultant for City of Albany
- HP2B Hydropunch Boring
- CPT2 Cone Penetration Test Boring
- SVS3 Soil Vapor Sampling Well
- AS1 Air Sparge Well
- SVE7 Soil Vapor Extraction Well

PROJECT NO. 2735

PLATE 5

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev.	NAPL (feet)	O&G (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
Monitoring Well Samples															
MW1	11/04/10	---	Well installed.												
MW1	12/01/10	---	41.45	Well surveyed.											
MW1	12/16/10	---	41.45	9.18	32.27	No	---	<250	71a	54	<0.50	1.4	0.65	0.58	1.6
MW1	01/31/11	---	41.45	8.78	32.67	No	---	<250	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	04/07/11	---	41.45	8.45	33.00	No	---	<250	65a	160a	<0.50	2.9	0.92	<0.50	1.7
MW1	07/18/11	---	41.45	9.49	31.96	No	---	<250	<50	63a	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	10/13/11	---	41.45	9.86	31.59	No	---	<250	54	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	04/06/12	---	41.45	8.11	33.34	No	---	<250	130	130	<0.50	2.1	<0.50	<0.50	<0.50
MW1	10/19/12	---	41.45	10.42	31.03	No	---	<250	<50	<50	<0.50	0.51	2.2	<0.50	0.65
MW1	06/11/13	---	41.45	10.48	30.97	No	---	<250	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	12/19/13	---	41.45	10.67	30.78	No	---	<250	<50	<50	<0.50	<0.50	1.3	<0.50	0.53
MW1	04/03/14	---	44.19	Elevation converted to NAVD88.											
MW1	04/30/14	---	44.19	9.49	34.70	No	---	---	---	---	---	---	---	---	---
MW1	05/01/14	---	44.19	---	---	---	---	<240	<48	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	10/28/14	---	44.19	10.85	33.34	No	---	<250	61a	59	<0.50	1.2	<0.50	0.64	<0.50
MW1	06/02/15	---	44.19	10.35	33.84	No	---	<250	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	**11/18/15**	**---**	**44.19**	**10.72**	**33.47**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW1	**11/19/15**	**---**	**44.19**	**---**	**---**	**---**	**---**	**<240**	**<47**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
MW2	11/04/10	---	Well installed.												
MW2	12/01/10	---	41.25	Well surveyed.											
MW2	12/16/10	---	41.25	8.11	33.14	No	---	<250	110a	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	01/31/11	---	41.25	9.29	31.96	No	---	<250	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	04/07/11	---	41.25	8.21	33.04	No	---	<250	<50	<50	0.51	<0.50	<0.50	<0.50	<0.50
MW2	07/18/11	---	41.25	9.52	31.73	No	---	<250	<50	54a	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	10/13/11	---	41.25	9.56	31.69	No	---	<250	98	75a	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	04/06/12	---	41.25	8.68	32.57	No	---	<250	60	68	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	10/19/12	---	41.25	11.03	30.22	No	---	<250	<50	59a	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	06/11/13	---	41.25	10.67	30.58	No	---	<250	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	12/19/13	---	41.25	10.77	30.48	No	---	<250	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	04/03/14	---	43.99	Elevation converted to NAVD88.											
MW2	04/30/14	---	43.99	9.63	34.36	No	---	---	---	---	---	---	---	---	---
MW2	05/01/14	---	43.99	---	---	---	---	<240	<48	53a	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	10/28/14	---	43.99	11.03	32.96	No	---	<250	78a	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	06/02/15	---	43.99	10.50	33.49	No	---	<250	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	**11/18/15**	**---**	**43.99**	**10.87**	**33.12**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW2	**11/19/15**	**---**	**43.99**	**---**	**---**	**---**	**---**	**<240**	**60a**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
MW3	11/08/10	---	Well installed.												
MW3	12/01/10	---	40.42	Well surveyed.											
MW3	12/16/10	---	40.42	8.18	32.24	No	---	<250	2,900a	19,000	<12	350	130	940	290

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev.	NAPL (feet)	O&G (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW3	01/31/11	---	40.42	7.64	32.78	No	---	390	2,800a	17,000a	<12	540	140	700	270
MW3	04/07/11	---	40.42	5.88	34.54	No	---	<250	2,700a	14,000	<10	600	150	780	230
MW3	07/18/11	---	40.42	8.31	32.11	No	---	<250	1,700a	19,000	<10	650	140	660	220
MW3	10/13/11	---	40.42	8.76	31.66	No	---	<250	1,900a	16,000	<10	520	150	900	270
MW3	04/06/12	---	40.42	8.13	32.29	No	---	<250	3,200a	18,000	<20	300	120	1,100	180
MW3	10/19/12	---	40.42	9.37	31.05	No	---	<250	1,700a	11,000a	<10	380	120	740	150
MW3	06/11/13	---	40.42	9.48	30.94	No	---	<250	2,700a	17,000	<10	270	110	990	140
MW3	12/19/13	---	40.42	10.00	30.42	No	---	---	---	---	---	---	---	---	---
MW3	12/20/13	---	40.42	---	---	---	---	<250	2,000a	16,000	<10	310	120	710	120
MW3	04/03/14	---	43.16	Elevation converted to NAVD88.											
MW3	04/30/14	---	43.16	9.17	33.99	No	---	---	---	---	---	---	---	---	---
MW3	05/01/14	---	43.16	---	---	---	---	<240	3,100a	18,000	<10	230	110	1,100	170
MW3	10/28/14	---	43.16	10.10	33.06	No	---	<250	4,800a	17,000	<20	330	120	1,200	150
MW3	06/02/15	---	43.16	9.30	33.86	No	---	<250	3,900a	18,000a	<20	290	110	850	140
MW3	**11/18/15**	**---**	**43.16**	**10.06**	**33.10**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW3	**11/19/15**	**---**	**43.16**	**---**	**---**	**---**	**---**	**<240**	**3,000a**	**1,500a**	**<5.0**	**290**	**110**	**340**	**100**
MW3A	01/18/12	---	Well installed.												
MW3A	02/06/12	---	40.68	Well surveyed.											
MW3A	04/06/12	---	40.68	6.02	34.66	No	---	<250	170a	1,300	<2.0	41	7.5	140	38
MW3A	10/19/12	---	40.68	10.44	30.24	No	---	<250	860a	4,400a	<5.0	390	59	410	82
MW3A	06/11/13	---	40.68	9.75	30.93	No	---	<250	160a	1,100	<2.0	99	14	110	3.6
MW3A	12/19/13	---	40.68	10.05	30.63	No	---	<250	270a	1,800	<2.0	150	18	65	4.7
MW3A	04/03/14	---	43.42	Elevation converted to NAVD88.											
MW3A	04/30/14	---	43.42	7.55	35.87	No	---	---	---	---	---	---	---	---	---
MW3A	05/01/14	---	43.42	---	---	---	---	<240	<48	130a	<0.50	7.0	1.2	7.4	1.3
MW3A	10/28/14	---	43.42	10.33	33.09	No	---	<250	330a	1,600	<0.50	150	17	26	4.0
MW3A	06/02/15	---	43.42	9.48	33.94	No	---	<250	89a	170a	<0.50	14	0.95	6.7	1.8
MW3A	**11/18/15**	**---**	**43.42**	**10.15**	**33.27**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW3A	**11/19/15**	**---**	**43.42**	**---**	**---**	**---**	**---**	**<240**	**240a**	**660a**	**<2.0**	**86**	**7.2**	**3.8**	**3.6**
MW4	11/05/10	---	Well installed.												
MW4	12/01/10	---	39.30	Well surveyed.											
MW4	12/16/10	---	39.30	6.10	33.20	No	---	<250	2,000a	9,900	<5.0	440	40	170	380
MW4	01/31/11	---	39.30	6.84	32.46	No	---	260	3,900a	13,000	<10	500	59	320	740
MW4	04/07/11	---	39.30	5.29	34.01	No	---	<250	1,900a	9,600	<10	530	59	250	340
MW4	07/18/11	---	39.30	7.36	31.94	No	---	<250	2,800a	14,000	<10	570	66	320	510
MW4	10/13/11	---	39.30	7.83	31.47	No	---	320	7,200a	14,000	<10	350	43	340	690
MW4	04/06/12	---	39.30	6.21	33.09	No	---	<250	1,800a	9,100a	<10	380	40	220	410
MW4	10/19/12	---	39.30	10.64	28.66	No	---	1,400a	20,000a	270,000	<10	440	88	2,100	3,800
MW4	03/06/13	---	39.30	8.02	31.28	No	---	---	---	---	---	---	---	---	---
MW4	06/11/13	---	39.30	9.05	30.25	No	---	<250	3,400a	16,000	<10	430	48	520	820
MW4	12/19/13	---	39.30	8.95	30.35	No	---	---	---	---	---	---	---	---	---
MW4	12/20/13	---	39.30	---	---	---	---	<250	2,800a	13,000	<10	590	41	430	530

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev.	NAPL (feet)	O&G (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW4	03/05/14	---	39.30	---	---	No	---	---	---	---	---	---	---	---	---
MW4	04/03/14	---	42.04	Elevation converted to NAVD88.											
MW4	04/30/14	---	42.04	6.25	35.79	No	---	---	---	---	---	---	---	---	---
MW4	05/01/14	---	42.04	---	---	---	---	<240	3,000a	13,000	<10	520	46	310	340
MW4	10/28/14	---	42.04	10.20	31.84	No	---	<250	7,400a	15,000	<10	590	42	360	230
MW4	06/02/15	---	42.04	9.60	32.44	Sheen	---	<250	5,100a	22,000	<10	490	36	280	170
MW4	**11/18/15**	**---**	**42.04**	**8.58**	**33.46**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW4	**11/19/15**	**---**	**42.04**	**---**	**---**	**---**	**---**	**930a**	**7,600a**	**1,800a**	**<5.0**	**290**	**21**	**180**	**140**
MW5	11/11/10	---	Well installed.												
MW5	12/01/10	---	40.38	Well surveyed.											
MW5	12/16/10	---	40.38	7.69	32.69	No	---	<250	1,100a	6,200	<2.5	150	96	270	980
MW5	01/31/11	---	40.38	8.00	32.38	No	---	270	4,600a	15,000	<10	520	310	1,100	2,500
MW5	04/07/11	---	40.38	6.73	33.65	No	---	<250	610a	2,500	<2.5	61	32	180	390
MW5	07/18/11	---	40.38	7.63	32.75	No	---	<250	2,000a	11,000	<2.5	340	160	990	1,800
MW5	10/13/11	---	40.38	9.31	31.07	No	---	660	7,600a	23,000	<20	390	160	1,200	3,100
MW5	04/06/12	---	40.38	6.77	33.61	No	---	<250	880a	6,000a	<5.0	62	17	360	680
MW5	10/19/12	---	40.38	10.64	29.74	No	---	280a	2,100a	15,000	<20	580	63	950	1,400
MW5	06/11/13	---	40.38	10.06	30.32	No	---	<250	2,700a	13,000	<20	540	36	930	1,200
MW5	12/19/13	---	40.38	9.85	30.53	No	---	---	---	---	---	---	---	---	---
MW5	12/20/13	---	40.38	---	---	---	---	<250	2,100a	21,000	<20	370	36	1,500	1,400
MW5	04/03/14	---	43.12	Elevation converted to NAVD88.											
MW5	04/30/14	---	43.12	7.51	35.61	No	---	---	---	---	---	---	---	---	---
MW5	05/01/14	---	43.12	---	---	---	---	<240	2,000a	10,000	<10	170	10	600	510
MW5	10/28/14	---	43.12	10.00	33.12	No	---	360a	6,200a	16,000	<10	550	17	890	360
MW5	06/02/15	---	43.12	9.68	33.44	Sheen	---	340a	4,400a	19,000	<20	340	<20	880	430
MW5	**11/18/15**	**---**	**43.12**	**9.18**	**33.94**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW5	**11/19/15**	**---**	**43.12**	**---**	**---**	**---**	**---**	**1,200a**	**8,300a**	**5,000**	**<20**	**230**	**<20**	**710**	**320**
MW6	11/03/10	---	Well installed.												
MW6	12/01/10	---	41.06	Well surveyed.											
MW6	12/16/10	---	41.06	8.55	32.51	No	---	<250	110a	1,700	<0.50	2.8	1.2	61	46
MW6	01/31/11	---	41.06	8.52	32.54	No	---	<250	800a	2,000a	<1.0	6.0	<1.0	30	24
MW6	04/07/11	---	41.06	7.78	33.28	No	---	<250	660a	2,000	<0.50	10	1.0	20	19
MW6	07/18/11	---	41.06	9.27	31.79	No	---	<250	350a	1,000a	<0.50	2.5	<0.50	3.8	3.5
MW6	10/13/11	---	41.06	10.21	30.85	No	---	<250	370a	890a	<0.50	2.8	<0.50	7.9	5.5
MW6	04/06/12	---	41.06	7.19	33.87	No	---	<250	440a	1,400a	<0.50	2.4	<0.50	13	15
MW6	10/19/12	---	41.06	11.36	29.70	No	---	<250	99a	510a	<0.50	4.2	1.6	8.0	7.0
MW6	06/11/13	---	41.06	10.81	30.25	No	---	<250	150a	500	<0.50	<0.50	<0.50	2.4	1.1
MW6	12/19/13	---	41.06	10.78	30.28	No	---	<250	68a	440	<0.50	<0.50	<0.50	2.3	0.87
MW6	04/03/14	---	43.80	Elevation converted to NAVD88.											
MW6	04/30/14	---	43.80	8.23	35.57	No	---	---	---	---	---	---	---	---	---
MW6	05/01/14	---	43.80	---	---	---	---	<240	450a	1,500	<0.50	2.8	0.57	13	4.8
MW6	10/28/14	---	43.80	10.91	32.89	No	---	<250	94a	260	<0.50	0.60	<0.50	0.56	<0.50

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev.	NAPL (feet)	O&G (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6	06/02/15	---	43.80	10.40	33.40	No	---	<250	360a	1,000	<0.50	0.81	<0.50	2.0	1.1
MW6	**11/18/15**	**---**	**43.80**	**10.06**	**33.74**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6	**11/19/15**	**---**	**43.80**	**---**	**---**	**---**	**---**	**<240**	**370a**	**530a**	**<0.50**	**1.1**	**<0.50**	**5.3**	**1.7**
MW7	12/08/14	---	Well installed.												
MW7	12/23/14	---	41.21	Well surveyed.											
MW7	12/30/14	---	41.21	5.36	35.85	No	---	<250	2,900a	7,300a	<5.0	52	8.9	32	15
MW7	06/02/15	---	41.21	8.75	32.46	No	---	<250	2,700a	7,800a	<5.0	110	13	39	16
MW7	**11/18/15**	**---**	**41.21**	**7.41**	**33.80**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW7	**11/19/15**	**---**	**41.21**	**---**	**---**	**---**	**---**	**1,100a**	**3,700a**	**660a**	**<5.0**	**77**	**8.1**	**27**	**12**
MW8	12/08/14	---	Well installed.												
MW8	12/23/14	---	39.65	Well surveyed.											
MW8	12/30/14	---	39.65	3.20	36.45	No	---	<250	<49	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW8	06/02/15	---	39.65	6.33	33.32	No	---	<250	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW8	**11/18/15**	**---**	**39.65**	**5.24**	**34.41**	**No**	**---**	**<240**	**<47**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
MW9	10/08/15	---	Well installed.												
MW9	10/16/15	---	39.50	6.45	33.05	No	---	<250	270a	360a	<0.50	<0.50	<0.50	<0.50	<0.50
MW9	10/26/15	---	39.50	Well surveyed.											
MW9	**11/18/15**	**---**	**39.50**	**5.50**	**34.00**	**No**	**---**	**<240**	**<47**	**81**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
AS1	01/18/12	---	Well installed.												
AS1	10/19/12	---	---	10.32	---	No	---	---	---	---	---	---	---	---	---
AS1	06/11/13	---	---	9.82	---	No	---	---	---	---	---	---	---	---	---
AS1	12/19/13	---	---	10.12	---	No	---	---	---	---	---	---	---	---	---
AS1	04/30/14	---	---	7.95	---	No	---	---	---	---	---	---	---	---	---
AS1	10/28/14	---	---	10.35	---	No	---	---	---	---	---	---	---	---	---
AS1	06/02/15	---	---	9.50	---	No	---	---	---	---	---	---	---	---	---
AS1	**11/18/15**	**---**	**---**	**10.26**	**---**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
SVE1	01/17/12	---	Well installed.												
SVE1	02/06/12	---	40.58	Well surveyed.											
SVE1	10/19/12	---	40.58	10.21	30.37	No	---	---	---	---	---	---	---	---	---
SVE1	06/11/13	---	40.58	9.63	30.95	No	---	---	---	---	---	---	---	---	---
SVE1	12/19/13	---	40.58	9.89	30.69	No	---	---	---	---	---	---	---	---	---
SVE1	04/03/14	---	43.32	Elevation converted to NAVD88.											
SVE1	04/30/14	---	43.32	7.70	35.62	No	---	---	---	---	---	---	---	---	---
SVE1	10/28/14	---	43.32	10.17	33.15	No	---	---	---	---	---	---	---	---	---
SVE1	06/02/15	---	43.32	9.35	33.97	No	---	---	---	---	---	---	---	---	---
SVE1	**11/18/15**	**---**	**43.32**	**9.98**	**33.34**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
SVE2	01/17/12	---	Well installed.												
SVE2	02/06/12	---	40.94	Well surveyed.											
SVE2	10/19/12	---	40.94	10.48	30.46	No	---	---	---	---	---	---	---	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev.	NAPL (feet)	O&G (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
SVE2	06/11/13	---	40.94	9.94	31.00	No	---	---	---	---	---	---	---	---	---
SVE2	12/19/13	---	40.94	10.20	30.74	No	---	---	---	---	---	---	---	---	---
SVE2	04/03/14	---	43.68	Elevation converted to NAVD88.											
SVE2	04/30/14	---	43.68	8.09	35.59	No	---	---	---	---	---	---	---	---	---
SVE2	10/28/14	---	43.68	10.50	33.18	No	---	---	---	---	---	---	---	---	---
SVE2	06/02/15	---	43.68	9.69	33.99	No	---	---	---	---	---	---	---	---	---
SVE2	**11/18/15**	**---**	**43.68**	**10.39**	**33.29**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
SVE3	01/17/12	---	Well installed.												
SVE3	02/06/12	---	40.93	Well surveyed.											
SVE3	10/19/12	---	40.93	10.39	30.54	No	---	---	---	---	---	---	---	---	---
SVE3	06/11/13	---	40.93	9.65	31.28	No	---	---	---	---	---	---	---	---	---
SVE3	12/19/13	---	40.93	10.31	30.62	No	---	---	---	---	---	---	---	---	---
SVE3	04/03/14	---	43.67	Elevation converted to NAVD88.											
SVE3	04/30/14	---	43.67	7.79	35.88	No	---	---	---	---	---	---	---	---	---
SVE3	10/28/14	---	43.67	10.48	33.19	No	---	---	---	---	---	---	---	---	---
SVE3	06/02/15	---	43.67	9.40	34.27	No	---	---	---	---	---	---	---	---	---
SVE3	**11/18/15**	**---**	**43.67**	**10.56**	**33.11**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
SVE4	10/09/15	---	Well installed.												
SVE4	10/16/15	---	43.10	10.28	32.82	No	---	<250	840a	830a	<0.50	37	1.2	5.0	26
SVE4	10/26/15	---	43.10	Well surveyed.											
SVE4	**11/18/15**	**---**	**43.10**	**8.87**	**34.23**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
SVE5	10/09/15	---	Well installed.												
SVE5	10/16/15	---	43.70	10.55	33.15	No	---	<250	2,000a	1,700a	<20	29	25	130	2,300
SVE5	10/26/15	---	43.70	Well surveyed.											
SVE5	**11/18/15**	**---**	**43.70**	**9.07**	**34.63**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
SVE6	10/09/15	---	Well installed.												
SVE6	10/16/15	---	44.37	10.87	33.50	No	---	<240	390a	490	<0.50	31	1.8	4.2	15
SVE6	10/26/15	---	44.37	Well surveyed.											
SVE6	**11/18/15**	**---**	**44.37**	**10.33**	**34.04**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
SVE7	10/09/15	---	Well installed.												
SVE7	10/16/15	---	44.48	11.07	33.41	No	---	<240	240a	440a	<0.50	<0.50	<0.50	0.70	2.3
SVE7	10/26/15	---	44.48	Well surveyed.											
SVE7	**11/18/15**	**---**	**44.48**	**10.47**	**34.01**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
Grab Groundwater Samples															
B-1W	01/06/08	---	---	---	---	---	26c,d	<5,000	99,000c,g,j	76,000c,f,k	<50	<50	93	3,100	9,600
B-2W	01/06/08	---	---	---	---	---	---	310d	23,000c,d,g	77,000 c,d,e	<50	1,500	300	2,000	6,800

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev.	NAPL (feet)	O&G (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
B-3W	01/06/08	---	---	---	---	---	---	<250d	2,000d,g	6,200d,e	<10	170	32	740	250
B-4W	01/06/08	---	---	---	---	---	---	<250d	3,100d,g	7,700d,e	<10	360	<10	240	20
B-5W	01/06/08	---	---	---	---	---	---	<250d	120d,g	120d,i	<0.5	<0.5	<0.5	<0.5	<0.5
B-6W	01/06/08	---	---	---	---	---	---	<250d	830d,g	1,700d,e	<2.5	5.2	<2.5	100	8.6
DR-W	01/06/08	---	---	---	---	---	---	<250	96g	730f,k	<0.5	<0.5	<0.5	6.9	14
W-27.5-HP1A	10/28/10	27.5	---	---	---	---	---	260	330a	63a	<0.50	<0.50	<0.50	<0.50	<0.50
W-36-HP1A	10/28/10	36	---	---	---	---	---	<250	220a	<50	<0.50	<0.50	<0.50	<0.50	<0.50
W-46.5-HP1A	10/28/10	46.5	---	---	---	---	---	<420	<83	<50	<0.50	<0.50	<0.50	<0.50	<0.50
W-59-HP1B	10/27/10	59	---	---	---	---	---	<250	130	<50	<0.50	<0.50	<0.50	<0.50	<0.50
W-27.5-HP2A	10/29/10	27.5	---	---	---	---	---	<250	100a	340	<0.50	1.7	2.1	20	46
W-52-HP2A	10/29/10	52	---	---	---	---	---	<250	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
W-60.5-HP2B	10/27/10	60.5	---	---	---	---	---	<250	62	<50	<0.50	<0.50	<0.50	<0.50	<0.50
W-10-SVE1-1	01/31/12	10	---	---	---	---	---	990a	1,900a	2,000	<2.0	87	2.1	13	23
W-10-SVE1-2	01/31/12	10	---	---	---	---	---	890a	1,500a	1,400	<1.0	46	2.0	24	23
W-5-B7	02/27/14	5	---	---	---	---	---	<310	<62	<50	<0.50	<0.50	<0.50	<0.50	<0.50
W-12-B8	02/28/14	12	---	---	---	---	---	<240	130a	<50	<0.50	<0.50	<0.50	<0.50	<0.50
W-5-B9	02/27/14	5	---	---	---	---	---	<310	370a	1,400a	<0.50	<0.50	<0.50	<0.50	<0.50
W-5.5-B10	02/27/14	5.5	---	---	---	---	---	<310	<62	<50	<0.50	<0.50	<0.50	<0.50	<0.50
W-14-B11	03/05/14	14	---	---	---	---	---	<310	<62	<50	<0.50	<0.50	<0.50	<0.50	<0.50
W-10-B12	02/26/14	10	---	---	---	---	---	<250	800a	5,900	<2.0	<2.0	<2.0	7.5	<2.0
W-10-B13	02/28/14	10	---	---	---	---	---	<250	1,500a	6,300	<5.0	12	8.8	290	22
B14	03/05/14 b	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-14-B15	03/05/14	14	---	---	---	---	---	<310	<62	<50	1.3	<0.50	<0.50	<0.50	<0.50
W-14-B16	02/26/14	14	---	---	---	---	---	<250	180a	170a	<0.50	1.1	<0.50	5.4	<0.50
W-10-B17	02/27/14	10	---	---	---	---	---	<270	<54	110a	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Notes:

TOC	=	Top of well casing elevation; datum is NAVD88, prior to April 2014, datum was mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is NAVD88, prior to April 2014, datum was mean sea level. If liquid-phase hydrocarbons present, elevation adjusted using TOC - [DTW - (PT x 0.76)].
NAPL	=	Non-aqueous phase liquid.
O&G	=	Oil and grease with silica gel clean-up analyzed using Standard Method 5520B/F.
TPHmo	=	Total petroleum hydrocarbons as motor oil analyzed using EPA Method 8015 (modified).
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015 (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015 (modified).
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8260B.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
PCE	=	Tetrachloroethene analyzed using EPA Method 8260B.
TCE	=	Trichloroethene analyzed using EPA Method 8260B.
VOCs	=	Volatile organic compounds or halogenated volatile organic compounds analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
ND	=	Not detected at or above laboratory reporting limits.
---	=	Not measured/Not sampled/Not analyzed.
<	=	Less than the stated laboratory reporting limit.
a	=	The chromatographic pattern does not match that of the specified standard.
b	=	Groundwater did not enter boring; sample not collected.
c	=	Lighter than water immiscible sheen/product is present.
d	=	Liquid sample that contains greater than approximately 1 volume % sediment.
e	=	Unmodified or weakly modified gasoline is significant.
f	=	Heavier gasoline-range compounds are significant.
g	=	Gasoline-range compounds are significant.
h	=	Analyzed beyond the EPA-recommended hold time.
i	=	Strongly aged gasoline-range or diesel-range compounds are significant.
j	=	Diesel-range compounds are significant; no recognizable pattern.
k	=	No recognizable pattern.
l	=	Additional analyses: CAM 5 metals analyzed using EPA Method 6010B and semi-volatile organic compounds analyzed using EPA Method 8270C. Results were ND except for napthalene (4,000 µg/L) and 2-methylnaphthalene (3,900 µg/L).
m	=	Additional analyses: CAM 5 metals analyzed using EPA Method 6010B. Results were ND except for dissolved chromium (54 µg/L).

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	PCE (µg/L)	TCE (µg/L)	Naph-thalene (µg/L)	Ace-tone (µg/L)	2-buta-none (µg/L)	Bromo-benzene (µg/L)	Bromodichloro-methane (µg/L)	Bromo-methane (µg/L)	n-Butyl-benzene (µg/L)	secButyl-benzene (µg/L)
Monitoring Well Samples																		
MW1	11/04/10	---	Well installed.															
MW1	12/16/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW1	01/31/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW1	04/07/11	---	<0.50	<0.50	<0.50	10	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW1	07/18/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW1	10/13/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW1	04/06/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW1	10/19/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW1	06/11/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW1	12/19/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW1	05/01/14	---	<0.50	<0.50	<0.50	5.1	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW1	10/28/14	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	85h	9.8	<1.0	<10	<5.0	<0.50	<0.50	<1.0	<0.50	<0.50
MW1	06/02/15	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	110	9.3	<1.0	<10	<5.0	<0.50	<0.50	<1.0	<0.50	<0.50
MW1	**11/19/15**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**92h**	**8.8**	**<1.0**	**<10**	**<5.0**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<0.50**
MW2	11/04/10	---	Well installed.															
MW2	12/16/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW2	01/31/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW2	04/07/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW2	07/18/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW2	10/13/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW2	04/06/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW2	10/19/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW2	06/11/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW2	12/19/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW2	05/01/14	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW2	10/28/14	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	73h	8.9	<1.0	<10	<5.0	<0.50	<0.50	<1.0	<0.50	<0.50
MW2	06/02/15	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	78	6.9	<1.0	<10	<5.0	<0.50	<0.50	<1.0	<0.50	<0.50
MW2	**11/19/15**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**79h**	**7.7**	**<1.0**	**<10**	**<5.0**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<0.50**
MW3	11/08/10	---	Well installed.															
MW3	12/16/10	---	<12	<12	<12	<120	<12	<12	---	---	---	---	---	---	---	---	---	---
MW3	01/31/11	---	<12	<12	<12	<120	<12	<12	---	---	---	---	---	---	---	---	---	---
MW3	04/07/11	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW3	07/18/11	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW3	10/13/11	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW3	04/06/12	---	<20	<20	<20	<200	<20	<20	---	---	---	---	---	---	---	---	---	---
MW3	10/19/12	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW3	06/11/13	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	PCE (µg/L)	TCE (µg/L)	Naph-thalene (µg/L)	Ace-tone (µg/L)	2-buta-none (µg/L)	Bromo-benzene (µg/L)	Bromodichloro-methane (µg/L)	Bromo-methane (µg/L)	n-Butyl-benzene (µg/L)	secButyl-benzene (µg/L)
MW3	12/20/13	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW3	05/01/14	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW3	10/28/14	---	<20	<20	<20	<200	<20	<20	<20	<20	290	<400	<200	<20	<20	<40	30	<20
MW3	06/02/15	---	<20	<20	<20	<200	<20	<20	<20	<20	240	<400	<200	<20	<20	<40	21	<20
MW3	**11/19/15**	**---**	**<5.0**	**<5.0**	**<5.0**	**<50**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**120**	**<100**	**<50**	**<5.0**	**<5.0**	**<10**	**22**	**14**
MW3A	01/18/12	---	Well installed.															
MW3A	04/06/12	---	<2.0	<2.0	<2.0	<20	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---
MW3A	10/19/12	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	---	---	---	---	---	---	---	---	---	---
MW3A	06/11/13	---	<2.0	<2.0	<2.0	<20	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---
MW3A	12/19/13	---	<2.0	<2.0	<2.0	<20	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---
MW3A	05/01/14	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW3A	10/28/14	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	4.6	<10	<5.0	<0.50	<0.50	<1.0	5.4	6.3
MW3A	06/02/15	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	1.4	<10	<5.0	<0.50	<0.50	<1.0	1.1	2.5
MW3A	**11/19/15**	**---**	**<2.0**	**<2.0**	**<2.0**	**<20**	**<2.0**	**<2.0**	**<2.0**	**<2.0**	**6.5**	**<40**	**<20**	**<2.0**	**<2.0**	**<4.0**	**3.3**	**3.5**
MW4	11/05/10	---	Well installed.															
MW4	12/16/10	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	---	---	---	---	---	---	---	---	---	---
MW4	01/31/11	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW4	04/07/11	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW4	07/18/11	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW4	10/13/11	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW4	04/06/12	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW4	10/19/12	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW4	06/11/13	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW4	12/20/13	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW4	05/01/14	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW4	10/28/14	---	<10	<10	<10	<100	<10	<10	<10	<10	270	<200	<100	<10	<10	<20	72	24
MW4	06/02/15	---	<10	<10	<10	<100	<10	<10	<10	<10	170	<200	<100	<10	<10	<20	83	27
MW4	**11/19/15**	**---**	**<5.0**	**<5.0**	**<5.0**	**<50**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**150**	**<100**	**<50**	**<5.0**	**<5.0**	**<10**	**98**	**26**
MW5	11/11/10	---	Well installed.															
MW5	12/16/10	---	<2.5	<2.5	<2.5	<25	<2.5	<2.5	---	---	---	---	---	---	---	---	---	---
MW5	01/31/11	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW5	04/07/11	---	<2.5	<2.5	<2.5	<25	<2.5	<2.5	---	---	---	---	---	---	---	---	---	---
MW5	07/18/11	---	<2.5	<2.5	<2.5	<25	<2.5	<2.5	---	---	---	---	---	---	---	---	---	---
MW5	10/13/11	---	<20	<20	<20	<200	<20	<20	---	---	---	---	---	---	---	---	---	---
MW5	04/06/12	---	<0.50	<5.0	<5.0	<50	<5.0	<5.0	---	---	---	---	---	---	---	---	---	---
MW5	10/19/12	---	<20	<20	<20	<200	<20	<20	---	---	---	---	---	---	---	---	---	---
MW5	06/11/13	---	<20	<20	<20	<200	<20	<20	---	---	---	---	---	---	---	---	---	---
MW5	12/20/13	---	<20	<20	<20	<200	<20	<20	---	---	---	---	---	---	---	---	---	---
MW5	05/01/14	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	PCE (µg/L)	TCE (µg/L)	Naph-thalene (µg/L)	Ace-tone (µg/L)	2-buta-none (µg/L)	Bromo-benzene (µg/L)	Bromodichloro-methane (µg/L)	Bromo-methane (µg/L)	n-Butyl-benzene (µg/L)	secButyl-benzene (µg/L)
MW5	10/28/14	---	<10	<10	<10	<100	<10	<10	<10	<10	250	<200	<100	<10	<10	<20	82	33
MW5	06/02/15	---	<20	<20	<20	<200	<20	<20	<20	<20	210	<400	<200	<20	<20	<40	110	42
MW5	**11/19/15**	**---**	**<20**	**<20**	**<20**	**<200**	**<20**	**<20**	**<20**	**<20**	**210**	**<400**	**<200**	**<20**	**<20**	**<40**	**79**	**29**
MW6	11/03/10	---	Well installed.															
MW6	12/16/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW6	01/31/11	---	<1.0	<1.0	<1.0	<10	<1.0	<1.0	---	---	---	---	---	---	---	---	---	---
MW6	04/07/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW6	07/18/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW6	10/13/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW6	04/06/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW6	10/19/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW6	06/11/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW6	12/19/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW6	05/01/14	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW6	10/28/14	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	1.4	<10	<5.0	<0.50	<0.50	<1.0	<0.50	0.73
MW6	06/02/15	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	3.3	<10	<5.0	<0.50	<0.50	<1.0	3.2	2.9
MW6	**11/19/15**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**10**	**16**	**6.5**	**<0.50**	**<0.50**	**<1.0**	**7.0**	**5.0**
MW7	12/08/14	---	Well installed.															
MW7	12/30/14	---	<5.0	<5.0	<5.0	<50	<5.0	13	---	---	---	---	---	---	---	---	---	---
MW7	06/02/15	---	<5.0	<5.0	<5.0	<50	<5.0	19	<5.0	<5.0	150	<100	<50	<5.0	<5.0	<10	45	24
MW7	**11/19/15**	**---**	**<5.0**	**<5.0**	**<5.0**	**<50**	**<5.0**	**13**	**<5.0**	**<5.0**	**220**	**<100**	**<50**	**<5.0**	**<5.0**	**<10**	**36**	**18**
MW8	12/08/14	---	Well installed.															
MW8	12/30/14	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW8	06/02/15	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<10	<5.0	<0.50	0.85	<1.0	<0.50	<0.50
MW8	**11/18/15**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<10**	**<5.0**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<0.50**
MW9	10/08/15	---	Well installed.															
MW9	10/16/15	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<10	<5.0	<0.50	<0.50	<1.0	1.4	0.93
MW9	**11/18/15**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<10**	**<5.0**	**<0.50**	**<0.50**	**<1.0**	**0.60**	**<0.50**
AS1	01/18/12	---	Well installed.															
AS1	10/19/12 - Present		Not sampled.															
SVE1	01/17/12	---	Well installed.															
SVE1	10/19/12 - Present		Not sampled.															
SVE2	01/17/12	---	Well installed.															
SVE2	10/19/12 - Present		Not sampled.															

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	PCE (µg/L)	TCE (µg/L)	Naph-thalene (µg/L)	Ace-tone (µg/L)	2-buta-none (µg/L)	Bromo-benzene (µg/L)	Bromodichloro-methane (µg/L)	Bromo-methane (µg/L)	n-Butyl-benzene (µg/L)	secButyl-benzene (µg/L)
SVE3	01/17/12	---	Well installed.															
SVE3	10/19/12 - Present		Not sampled.															
SVE4	10/09/15	---	Well installed.															
SVE4	10/16/15	---	<0.50	<0.50	<0.50	5.4	<0.50	<0.50	<0.50	<0.50	15	<10	<5.0	<0.50	<0.50	<1.0	2.5	1.5
SVE4	**11/18/15**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
SVE5	10/09/15	---	Well installed.															
SVE5	10/16/15	---	<20	<20	<20	<200	<20	<20	<20	<20	140	<400	<200	<20	<20	<40	24	<20
SVE5	**11/18/15**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
SVE6	10/09/15	---	Well installed.															
SVE6	10/16/15	---	<0.50	<0.50	<0.50	5.7	<0.50	<0.50	<0.50	<0.50	1.9	<10	<5.0	<0.50	<0.50	<1.0	3.1	1.0
SVE6	**11/18/15**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
SVE7	10/09/15	---	Well installed.															
SVE7	10/16/15	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<10	<5.0	<0.50	<0.50	<1.0	0.97	1.7
SVE7	**11/18/15**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
Grab Groundwater Samples																		
B-1W	01/06/08 l		<50	<50	<50	<200	<50	<50	<50	<50	1,500	<1,000	<200	<50	<50	<50	210	68
B-2W	01/06/08	---	<50	<50	<50	<200	<50	<50	<50	<50	610	<1,000	<200	<50	<50	<50	110	<50
B-3W	01/06/08	---	<10	<10	<10	<40	<10	<10	<10	<10	55	<200	<40	<10	<10	<10	25	11
B-4W	01/06/08	---	<10	<10	<10	<40	<10	<10	<10	<10	100	<200	<40	<10	<10	<10	46	19
B-5W	01/06/08	---	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	6.5	<10	<2.0	<0.5	<0.5	<0.5	2.6	<0.5
B-6W	01/06/08	---	<2.5	<2.5	<2.5	<10	<2.5	<2.5	<2.5	<2.5	38	<50	10	<2.5	<2.5	<2.5	14	5.6
DR-W	01/06/08 m		<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	7.0	<10	<2.0	<0.5	<0.5	<0.5	6.9	2.4
W-27.5-HP1A	10/28/10	27.5	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
W-36-HP1A	10/28/10	36	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
W-46.5-HP1A	10/28/10	46.5	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
W-59-HP1B	10/27/10	59	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	PCE (µg/L)	TCE (µg/L)	Naph-thalene (µg/L)	Ace-tone (µg/L)	2-buta-none (µg/L)	Bromo-benzene (µg/L)	Bromodichloro-methane (µg/L)	Bromo-methane (µg/L)	n-Butyl-benzene (µg/L)	secButyl-benzene (µg/L)
W-27.5-HP2A	10/29/10	27.5	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
W-52-HP2A	10/29/10	52	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
W-60.5-HP2B	10/27/10	60.5	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
W-10-SVE1-1	01/31/12	10	<2.0	<2.0	<2.0	62	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---
W-10-SVE1-2	01/31/12	10	<1.0	<1.0	<1.0	57	<1.0	<1.0	---	---	---	---	---	---	---	---	---	---
W-5-B7	02/27/14	5	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
W-12-B8	02/28/14	12	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
W-5-B9	02/27/14	5	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
W-5.5-B10	02/27/14	5.5	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
W-14-B11	03/05/14	14	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
W-10-B12	02/26/14	10	<2.0	<2.0	<2.0	<20	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---
W-10-B13	02/28/14	10	<5.0	<5.0	<5.0	<50	<5.0	<5.0	---	---	---	---	---	---	---	---	---	---
B14	03/05/14 b		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-14-B15	03/05/14	14	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
W-14-B16	02/26/14	14	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
W-10-B17	02/27/14	10	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Notes:

TOC	=	Top of well casing elevation; datum is NAVD88, prior to April 2014, datum was mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is NAVD88, prior to April 2014, datum was mean sea level. If liquid-phase hydrocarbons present, elevation adjusted using TOC - [DTW - (PT x 0.76)].
NAPL	=	Non-aqueous phase liquid.
O&G	=	Oil and grease with silica gel clean-up analyzed using Standard Method 5520B/F.
TPHmo	=	Total petroleum hydrocarbons as motor oil analyzed using EPA Method 8015 (modified).
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015 (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015 (modified).
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8260B.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
PCE	=	Tetrachloroethene analyzed using EPA Method 8260B.
TCE	=	Trichloroethene analyzed using EPA Method 8260B.
VOCs	=	Volatile organic compounds or halogenated volatile organic compounds analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
ND	=	Not detected at or above laboratory reporting limits.
---	=	Not measured/Not sampled/Not analyzed.
<	=	Less than the stated laboratory reporting limit.
a	=	The chromatographic pattern does not match that of the specified standard.
b	=	Groundwater did not enter boring; sample not collected.
c	=	Lighter than water immiscible sheen/product is present.
d	=	Liquid sample that contains greater than approximately 1 volume % sediment.
e	=	Unmodified or weakly modified gasoline is significant.
f	=	Heavier gasoline-range compounds are significant.
g	=	Gasoline-range compounds are significant.
h	=	Analyzed beyond the EPA-recommended hold time.
i	=	Strongly aged gasoline-range or diesel-range compounds are significant.
j	=	Diesel-range compounds are significant; no recognizable pattern.
k	=	No recognizable pattern.
l	=	Additional analyses: CAM 5 metals analyzed using EPA Method 6010B and semi-volatile organic compounds analyzed using EPA Method 8270C. Results were ND except for napthalene (4,000 µg/L) and 2-methylnaphthalene (3,900 µg/L).
m	=	Additional analyses: CAM 5 metals analyzed using EPA Method 6010B. Results were ND except for dissolved chromium (54 µg/L).

TABLE 1C
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	Carbon Disulfide (µg/L)	Chloro-ethane (µg/L)	Chloro-form (µg/L)	4-Chloro-toluene (µg/L)	cis-1,2-dichloro-ethene (µg/L)	1,2-dibromo-3-chloro-propane (µg/L)	1,2-Dichloro-benzene (µg/L)	t-1,2-Dichloro-ethene (µg/L)	Iso-propyl-benzene (µg/L)	n-propyl-benzene (µg/L)	p-iso-propyl-toluene (µg/L)	Styrene (µg/L)	1,2,4-trimethyl-benzene (µg/L)	1,3,5-trimethyl-benzene (µg/L)	tert-butyl-benzene (µg/L)	Additional VOCs (µg/L)
Monitoring Well Samples																		
MW1	11/04/10	---	Well installed.															
MW1	12/16/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW1	01/31/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW1	04/07/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW1	07/18/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW1	10/13/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW1	04/06/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW1	10/19/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW1	06/11/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW1	12/19/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW1	05/01/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW1	10/28/14	---	<1.0	<0.50	<0.50	<0.50	18	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.67	<0.50	<0.50	ND
MW1	06/02/15	---	<1.0	<0.50	<0.50	<0.50	19	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW1	**11/19/15**	**---**	**<1.0**	**<0.50**	**<0.50**	**<0.50**	**20**	**<5.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**ND**
MW2	11/04/10	---	Well installed.															
MW2	12/16/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2	01/31/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2	04/07/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2	07/18/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2	10/13/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2	04/06/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2	10/19/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2	06/11/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2	12/19/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2	05/01/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2	10/28/14	---	<1.0	<0.50	<0.50	<0.50	8.8	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW2	06/02/15	---	<1.0	<0.50	<0.50	<0.50	8.4	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW2	**11/19/15**	**---**	**<1.0**	**<0.50**	**<0.50**	**<0.50**	**9.7**	**<5.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**ND**
MW3	11/08/10	---	Well installed.															
MW3	12/16/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	01/31/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	04/07/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	07/18/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	10/13/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	04/06/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	10/19/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 1C
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	Carbon Disulfide (µg/L)	Chloro-ethane (µg/L)	Chloro-form (µg/L)	4-Chloro-toluene (µg/L)	cis-1,2-dichloro-ethene (µg/L)	1,2-dibromo-3-chloro-propane (µg/L)	1,2-Dichloro-benzene (µg/L)	t-1,2-Dichloro-ethene (µg/L)	Iso-propyl-benzene (µg/L)	n-propyl-benzene (µg/L)	p-iso-propyl-toluene (µg/L)	Styrene (µg/L)	1,2,4-trimethyl-benzene (µg/L)	1,3,5-trimethyl-benzene (µg/L)	tert-butyl-benzene (µg/L)	Additional VOCs (µg/L)
MW3	06/11/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	12/20/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	05/01/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	10/28/14	---	<40	<20	<20	<20	<20	<200	<20	<20	110	210	<20	<20	<20	36	<20	ND
MW3	06/02/15	---	<40	<20	<20	<20	<20	<200	<20	<20	90	130	<20	<20	<20	40	<20	ND
MW3	**11/19/15**	**---**	**<10**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<50**	**<5.0**	**<5.0**	**95**	**140**	**16**	**<5.0**	**9.5**	**24**	**9.6**	**ND**
MW3A	01/18/12	---	Well installed.															
MW3A	04/06/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3A	10/19/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3A	06/11/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3A	12/19/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3A	05/01/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3A	10/28/14	---	<1.0	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	20	28	2.0	<0.50	4.6	1.6	2.9	ND
MW3A	06/02/15	---	<1.0	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	2.4	3.3	<0.50	<0.50	2.5	0.61	0.89	ND
MW3A	**11/19/15**	**---**	**<4.0**	**<2.0**	**<2.0**	**<2.0**	**<2.0**	**<20**	**<2.0**	**<2.0**	**11**	**13**	**<2.0**	**<2.0**	**3.2**	**<2.0**	**2.3**	**ND**
MW4	11/05/10	---	Well installed.															
MW4	12/16/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW4	01/31/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW4	04/07/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW4	07/18/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW4	10/13/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW4	04/06/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW4	10/19/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW4	06/11/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW4	12/20/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW4	05/01/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW4	10/28/14	---	<20	<10	<10	<10	<10	<100	<10	<10	75	190	<10	<10	350	160	<10	ND
MW4	06/02/15	---	<20	<10	<10	<10	<10	<100	<10	<10	70	170	<10	<10	320	130	10	ND
MW4	**11/19/15**	**---**	**<10**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<50**	**<5.0**	**<5.0**	**56**	**140**	**12**	**<5.0**	**340**	**140**	**9.9**	**ND**
MW5	11/11/10	---	Well installed.															
MW5	12/16/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW5	01/31/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW5	04/07/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW5	07/18/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW5	10/13/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW5	04/06/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW5	10/19/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW5	06/11/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 1C
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	Carbon Disulfide (µg/L)	Chloro-ethane (µg/L)	Chloro-form (µg/L)	4-Chloro-toluene (µg/L)	cis-1,2-dichloro-ethene (µg/L)	1,2-dibromo-3-chloro-propane (µg/L)	1,2-Dichloro-benzene (µg/L)	t-1,2-Dichloro-ethene (µg/L)	Iso-propyl-benzene (µg/L)	n-propyl-benzene (µg/L)	p-iso-propyl-toluene (µg/L)	Styrene (µg/L)	1,2,4-trimethyl-benzene (µg/L)	1,3,5-trimethyl-benzene (µg/L)	tert-butyl-benzene (µg/L)	Additional VOCs (µg/L)
MW5	12/20/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW5	05/01/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW5	10/28/14	---	<20	<10	<10	<10	<10	<100	<10	<10	120	380	14	<10	730	130	<10	ND
MW5	06/02/15	---	<40	<20	<20	<20	<20	<200	<20	<20	120	390	<20	<20	820	150	<20	ND
MW5	**11/19/15**	**---**	**<40**	**<20**	**<20**	**<20**	**<20**	**<200**	**<20**	**<20**	**98**	**280**	**<20**	**<20**	**620**	**130**	**<20**	**ND**
MW6	11/03/10	---	Well installed.															
MW6	12/16/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6	01/31/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6	04/07/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6	07/18/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6	10/13/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6	04/06/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6	10/19/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6	06/11/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6	12/19/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6	05/01/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6	10/28/14	---	<1.0	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	0.84	1.9	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW6	06/02/15	---	<1.0	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	4.6	11	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW6	**11/19/15**	**---**	**<1.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**12**	**29**	**<0.50**	**<0.50**	**0.60**	**<0.50**	**<0.50**	**ND**
MW7	12/08/14	---	Well installed.															
MW7	12/30/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW7	06/02/15	---	<10	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	110	270	<5.0	<5.0	<5.0	<5.0	<5.0	ND
MW7	**11/19/15**	**---**	**<10**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<50**	**<5.0**	**<5.0**	**86**	**220**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**ND**
MW8	12/08/14	---	Well installed.															
MW8	12/30/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW8	06/02/15	---	<1.0	<0.50	23	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW8	**11/18/15**	**---**	**<1.0**	**<0.50**	**3.2**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**ND**
MW9	10/08/15	---	Well installed.															
MW9	10/16/15	---	<1.0	<0.50	4.1	<0.50	<0.50	<5.0	<0.50	<0.50	1.6	1.9	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW9	**11/18/15**	**---**	**<1.0**	**<0.50**	**3.0**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<0.50**	**0.53**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**ND**
AS1	01/18/12	---	Well installed.															
AS1	10/19/12 - Present		Not sampled.															
SVE1	01/17/12	---	Well installed.															
SVE1	10/19/12 - Present		Not sampled.															

TABLE 1C
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	Carbon Disulfide (µg/L)	Chloro-ethane (µg/L)	Chloro-form (µg/L)	4-Chloro-toluene (µg/L)	cis-1,2-dichloro-ethene (µg/L)	1,2-dibromo-3-chloro-propane (µg/L)	1,2-Dichloro-benzene (µg/L)	t-1,2-Dichloro-ethene (µg/L)	Iso-propyl-benzene (µg/L)	n-propyl-benzene (µg/L)	p-iso-propyl-toluene (µg/L)	Styrene (µg/L)	1,2,4-trimethyl-benzene (µg/L)	1,3,5-trimethyl-benzene (µg/L)	tert-butyl-benzene (µg/L)	Additional VOCs (µg/L)
SVE2	01/17/12	---	Well installed.															
SVE2	10/19/12 - Present	Not sampled.																
SVE3	01/17/12	---	Well installed.															
SVE3	10/19/12 - Present	Not sampled.																
SVE4	10/09/15	---	Well installed.															
SVE4	10/16/15	---	<1.0	<0.50	<0.50	<0.50	<0.50	<5.0	0.68	<0.50	4.3	2.8	0.59	<0.50	7.2	11	0.75	ND
SVE4	**11/18/15**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
SVE5	10/09/15	---	Well installed.															
SVE5	10/16/15	---	<40	<20	<20	<20	<20	<200	<20	<20	28	<20	<20	<20	520	210	<20	ND
SVE5	**11/18/15**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
SVE6	10/09/15	---	Well installed.															
SVE6	10/16/15	---	<1.0	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	1.3	0.80	0.99	<0.50	1.8	14	<0.50	ND
SVE6	**11/18/15**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
SVE7	10/09/15	---	Well installed.															
SVE7	10/16/15	---	<1.0	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	2.2	2.4	<0.50	<0.50	<0.50	<0.50	<0.50	ND
SVE7	**11/18/15**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
Grab Groundwater Samples																		
B-1W	01/06/08 l	---	<50	<50	<50	<50	<50	<20	<50	---	370	1,100	---	<50	3,800	1,300	---	ND
B-2W	01/06/08	---	<50	<50	<50	<50	<50	32	<50	---	140	440	---	<50	2,400	730	---	ND
B-3W	01/06/08	---	<10	<10	<10	<10	<10	<4.0	<10	---	74	190	---	<10	290	49	---	ND
B-4W	01/06/08	---	<10	<10	<10	<10	<10	<4.0	<10	---	48	160	---	<10	16	<10	---	ND
B-5W	01/06/08	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.5	---	<0.5	0.83	---	<0.5	4.8	1.2	---	ND
B-6W	01/06/08	---	<2.5	<2.5	<2.5	<2.5	<2.5	<1.0	<2.5	---	17	60	---	<2.5	32	5.8	---	ND
DR-W	01/06/08 m	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.5	---	2.5	11	---	<0.5	17	5.5	---	ND
W-27.5-HP1A	10/28/10	27.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-36-HP1A	10/28/10	36	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-46.5-HP1A	10/28/10	46.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 1C
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	Carbon Disulfide (µg/L)	Chloro-ethane (µg/L)	Chloro-form (µg/L)	4-Chloro-toluene (µg/L)	cis-1,2-dichloro-ethene (µg/L)	1,2-dibromo-3-chloro-propane (µg/L)	1,2-Dichloro-benzene (µg/L)	t-1,2-Dichloro-ethene (µg/L)	Iso-propyl-benzene (µg/L)	n-propyl-benzene (µg/L)	p-iso-propyl-toluene (µg/L)	Styrene (µg/L)	1,2,4-trimethyl-benzene (µg/L)	1,3,5-trimethyl-benzene (µg/L)	tert-butyl-benzene (µg/L)	Additional VOCs (µg/L)
W-59-HP1B	10/27/10	59	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-27.5-HP2A	10/29/10	27.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-52-HP2A	10/29/10	52	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-60.5-HP2B	10/27/10	60.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-10-SVE1-1	01/31/12	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-10-SVE1-2	01/31/12	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-5-B7	02/27/14	5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-12-B8	02/28/14	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-5-B9	02/27/14	5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-5.5-B10	02/27/14	5.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-14-B11	03/05/14	14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-10-B12	02/26/14	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-10-B13	02/28/14	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B14	03/05/14 b	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-14-B15	03/05/14	14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-14-B16	02/26/14	14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-10-B17	02/27/14	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 1C
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Notes:

TOC	=	Top of well casing elevation; datum is NAVD88, prior to April 2014, datum was mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is NAVD88, prior to April 2014, datum was mean sea level. If liquid-phase hydrocarbons present, elevation adjusted using TOC - [DTW - (PT x 0.76)].
NAPL	=	Non-aqueous phase liquid.
O&G	=	Oil and grease with silica gel clean-up analyzed using Standard Method 5520B/F.
TPHmo	=	Total petroleum hydrocarbons as motor oil analyzed using EPA Method 8015 (modified).
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015 (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015 (modified).
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8260B.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
PCE	=	Tetrachloroethene analyzed using EPA Method 8260B.
TCE	=	Trichloroethene analyzed using EPA Method 8260B.
VOCs	=	Volatile organic compounds or halogenated volatile organic compounds analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
ND	=	Not detected at or above laboratory reporting limits.
---	=	Not measured/Not sampled/Not analyzed.
<	=	Less than the stated laboratory reporting limit.
a	=	The chromatographic pattern does not match that of the specified standard.
b	=	Groundwater did not enter boring; sample not collected.
c	=	Lighter than water immiscible sheen/product is present.
d	=	Liquid sample that contains greater than approximately 1 volume % sediment.
e	=	Unmodified or weakly modified gasoline is significant.
f	=	Heavier gasoline-range compounds are significant.
g	=	Gasoline-range compounds are significant.
h	=	Analyzed beyond the EPA-recommended hold time.
i	=	Strongly aged gasoline-range or diesel-range compounds are significant.
j	=	Diesel-range compounds are significant; no recognizable pattern.
k	=	No recognizable pattern.
l	=	Additional analyses: CAM 5 metals analyzed using EPA Method 6010B and semi-volatile organic compounds analyzed using EPA Method 8270C. Results were ND except for napthalene (4,000 µg/L) and 2-methylnaphthalene (3,900 µg/L).
m	=	Additional analyses: CAM 5 metals analyzed using EPA Method 6010B. Results were ND except for dissolved chromium (54 µg/L).

TABLE 2
WELL CONSTRUCTION DETAILS
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Well Installation Date	TOC Elevation (feet)	Borehole Diameter (inches)	Total Depth of Boring (feet bgs)	Well Depth (feet bgs)	Casing Diameter (inches)	Well Casing Material	Screened Interval (feet bgs)	Slot Size (inches)	Filter Pack Interval (feet bgs)	Filter Pack Material
MW1	11/04/10	44.19	8	17	17	2	Schedule 40 PVC	12-17	0.020	10-17	#3 Sand
MW2	11/04/10	43.99	8	17	17	4	Schedule 40 PVC	12-17	0.020	10-17	#3 Sand
MW3	11/08/10	43.16	8	17	17	4	Schedule 40 PVC	11-16	0.020	9-16	#3 Sand
MW3A	01/18/12	43.42	10	15.5	15.5	4	Schedule 40 PVC	5-15	0.020	4.5-15.5	#2/12 Sand
MW4	11/05/10	42.04	8	17	13	2	Schedule 40 PVC	8-13	0.020	6-13	#3 Sand
MW5	11/05/10	43.12	8	17	14	2	Schedule 40 PVC	9-14	0.020	7-14	#3 Sand
MW6	11/03/10	43.80	10	20	20	2	Schedule 40 PVC	15-20	0.020	13-20	#3 Sand
MW7	12/08/14	41.21	10	15	15	2	Schedule 40 PVC	5-15	0.020	4-15	#3 Sand
MW8	12/08/14	39.65	10	15	15	2	Schedule 40 PVC	5-15	0.020	4-15	#3 Sand
MW9	10/08/15	39.50	10	16	15	2	Schedule 40 PVC	5-15	0.020	4-15	#3 Sand
AS1	01/18/12	---	8	15.5	15.5	1	Schedule 80 PVC	10.25-13.5	#60 mesh	10.5-15.5	#2/12 Sand
SVE1	01/17/12	43.32	10	15.5	15.5	4	Schedule 40 PVC	5-15	0.020	4.5-15.5	#2/12 Sand
SVE2	01/17/12	43.68	10	15	15	4	Schedule 40 PVC	5-15	0.020	4.5-15	#2/12 Sand
SVE3	01/17/12	43.67	10	15	15	4	Schedule 40 PVC	5-15	0.020	4.5-15.5	#2/12 Sand
SVE4	10/09/15	43.10	12	16	15	4	Schedule 40 PVC	5-15	0.020	4-15	#3 Sand
SVE5	10/09/15	43.70	12	16	15	4	Schedule 40 PVC	5-15	0.020	4-15	#3 Sand
SVE6	10/09/15	44.37	12	16	15	4	Schedule 40 PVC	5-15	0.020	4-15	#3 Sand
SVE7	10/09/15	44.48	12	16	15	4	Schedule 40 PVC	5-15	0.020	4-15	#3 Sand
SVS1	02/25/14	---	4	5.6	5.6	0.25	PVC	5.4-5.6	0.010	4.6-5.6	#3 Sand
SVS2	02/25/14	---	4	5.6	5.6	0.25	PVC	5.4-5.6	0.010	4.6-5.6	#3 Sand
SVS3	02/25/14	---	4	5.6	5.6	0.25	PVC	5.4-5.6	0.010	4.6-5.6	#3 Sand

Notes:
TOC = Top of well casing elevation; datum is NAVD88.
PVC = Polyvinyl chloride.
feet bgs = Feet below ground surface.

TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 79374
990 San Pablo Boulevard
Albany, California

Sample ID	Sampling Date	Depth (feet bgs)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Naph-thalene (mg/kg)	VOCs (mg/kg)	Lead (mg/kg)
Environmental Screening Levels, Potential Drinking Water Source (December 2013)																			
Shallow (<10 feet bgs), Residential (Table A-1)			---	100	100	0.023	0.044	2.9	3.3	2.3	0.00033	0.0045	0.075	---	---	---	1.2	---	80
Shallow (<10 feet bgs), Commercial (Table A-2)			---	110	500	0.023	0.044	2.9	3.3	2.3	0.00033	0.0045	0.075	---	---	---	1.2	---	320
Deep (≥10 feet bgs), Residential (Table C-1)			---	110	500	0.023	0.044	2.9	3.3	2.3	0.00033	0.0045	0.075	---	---	---	1.2	---	80
Deep (≥10 feet bgs), Commercial (Table C-2)			---	110	770	0.023	0.044	2.9	3.3	2.3	0.00033	0.0045	0.075	---	---	---	1.2	---	320
Soil Borings																			
B-1	01/06/08	6.0	<5.0	3.7c	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	---
B-1	01/06/08	10.5	<100	**1,400b,c**	**7,200b,f**	<5.0	**2**	**51**	**110**	**400**	---	---	---	---	---	---	---	---	---
B-2	01/06/08	5.5	<5.0	<1.0	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	---
B-2	01/06/08	10.5	<100	**1,400d**	**4,500b,f**	<5.0	**13**	**35**	**100**	**380**	---	---	---	---	---	---	---	---	---
B-3	01/06/08	5.5	<5.0	<1.0	<1.0	<0.50	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	---
B-3	01/06/08	10.5	<5.0	53d	**130e,f**	<0.50	**0.37**	0.29	2.6	0.44	---	---	---	---	---	---	---	---	---
B-4	01/06/08	5.5	<5.0	62d	**140e,f**	<0.50	<0.005	1.0	0.066	0.094	---	---	---	---	---	---	---	---	---
B-4	01/06/08	10.5	<5.0	15d	**140e,f**	<0.50	**0.25**	1.5	1.3	0.11	---	---	---	---	---	---	---	---	---
B-5	01/06/08	5.5	<5.0	<1.0	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	---
B-5	01/06/08	11.5	<5.0	5.4c,d	32e,f	<0.25	0.038	0.24	0.051	0.035	---	---	---	---	---	---	---	---	---
B-6	01/06/08	5.5	<5.0	<1.0	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	---
B-6	01/06/08	10.5	<5.0	6.0c,d	32e,f	<0.05	0.009	0.41	<0.005	0.039	---	---	---	---	---	---	---	---	---
S-5-B7	02/27/14	5.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.0099	<0.0099	<0.0099	<0.050	---	---
S-11.5-B7	02/27/14	11.5	<25	<5.0	<0.49	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-5-B8	02/28/14	5.0	<25	<5.0	<0.52	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.050	---	---
S-11.5-B8	02/28/14	11.5	<25	<5.0	<0.51	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.049	<0.0098	<0.0098	<0.0098	---	---	---
S-15.5-B8	02/28/14	15.5	<26	<5.1	<0.48	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-5-B9	02/27/14	5.0	<25	<5.0	<0.52	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.050	---	---
S-11.5-B9	02/27/14	11.5	<25	<5.0	<0.52	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.049	<0.0098	<0.0098	<0.0098	---	---	---
S-5-B10	02/27/14	5.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.050	---	---
S-11.5-B10	02/27/14	11.5	<24	<4.9	<0.49	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-5-B11	02/28/14	5.0	<25	<5.0	<0.50	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.051	<0.010	<0.010	<0.010	<0.051	---	---
S-11.5-B11	03/05/14	11.5	<25	<5.0	<0.50	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.052	<0.010	<0.010	<0.010	---	---	---
S-15-B11	03/05/14	15.0	<24	<4.9	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-5-B12	02/26/14	5.0	<25	<5.0	<0.50	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.049	<0.0098	<0.0098	<0.0098	<0.049	---	---
S-11.5-B12	02/26/14	11.5	<25	<5.0	0.50a	<0.0052	0.00074j	<0.0052	0.00026j	<0.0052	<0.0052	<0.0052	<0.052	<0.010	<0.010	<0.010	---	---	---
S-5-B13	02/25/14	5.0	<24	<4.9	<0.48	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.052	<0.010	<0.010	<0.010	<0.052	---	---
S-11.5-B13	02/28/14	11.5	<25	**160a**	**1,800**	<1.0	<1.0	<1.0	**16**	1.5	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---

TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 79374
990 San Pablo Boulevard
Albany, California

Sample ID	Sampling Date	Depth (feet bgs)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Naph-thalene (mg/kg)	VOCs (mg/kg)	Lead (mg/kg)
Environmental Screening Levels, Potential Drinking Water Source (December 2013)																			
Shallow (<10 feet bgs), Residential (Table A-1)			---	100	100	0.023	0.044	2.9	3.3	2.3	0.00033	0.0045	0.075	---	---	---	1.2	---	80
Shallow (<10 feet bgs), Commercial (Table A-2)			---	110	500	0.023	0.044	2.9	3.3	2.3	0.00033	0.0045	0.075	---	---	---	1.2	---	320
Deep (≥10 feet bgs), Residential (Table C-1)			---	110	500	0.023	0.044	2.9	3.3	2.3	0.00033	0.0045	0.075	---	---	---	1.2	---	80
Deep (≥10 feet bgs), Commercial (Table C-2)			---	110	770	0.023	0.044	2.9	3.3	2.3	0.00033	0.0045	0.075	---	---	---	1.2	---	320
S-5-B14	03/05/14	5.0	<25	<5.0	<0.53	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.050	---	---
S-11.5-B14	03/05/14	11.5	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-15.5-B14	03/05/14	15.5	<24	<4.9	<0.51	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.051	<0.010	<0.010	<0.010	---	---	---
S-19-B14	03/05/14	19.0	<25	<5.0	<0.50	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.048	<0.0096	<0.0096	<0.0096	---	---	---
S-5-B15	03/05/14	5.0	<25	<5.0	<0.49	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.051	<0.010	<0.010	<0.010	<0.051	---	---
S-10-B15	03/05/14	10.0	<24	<4.9	<0.52	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-14.0-B15	03/05/14	14.0	<25	<5.0	<0.48	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-5-B16	02/26/14	5.0	<25	<5.0	0.62a	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.030j	<0.0099	<0.0099	<0.0099	<0.050	---	---
S-10-B16	02/26/14	10.0	<24	43a	**530**	<0.49	0.026j	<0.49	0.10j	0.058j	<0.49	<0.49	<4.9	<0.97	<0.97	<0.97	0.84j	---	---
S-15.5-B16	02/26/14	15.5	<25	<5.0	<0.51	<0.0050	<0.0050	<0.0050	0.00021j	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-5-B17	02/26/14	5.0	<25	<5.0	<0.48	<0.0050	0.00014j	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.011j	<0.010	<0.010	<0.010	0.0021j	---	---
S-10-B17	02/26/14	10.0	<25	<5.0	8.4a	<0.0050	0.0063	<0.0050	<0.0050	0.00081j	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.050	---	---
S-15.5-B17	02/26/14	15.5	<24	<4.9	<0.51	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.052	<0.010	<0.010	<0.010	---	---	---
S-5-B18	10/08/15	5.0	---	<5.0	<0.51	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.049	<0.0099	<0.0099	<0.0099	---	---	---
S-10-B18	10/08/15	10.0	---	<4.9	<0.49	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.049	<0.0098	<0.0098	<0.0098	---	---	---
S-15-B18	10/08/15	15.0	---	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.0099	<0.0099	<0.0099	---	---	---
Cone Penetration Test Borings																			
S-5-CPT1	10/20/10	5.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-5-CPT2	10/20/10	5.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
Monitoring Wells																			
S-5-MW1	10/20/10	5.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-10-MW1	11/04/10	10.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-14.5-MW1	11/04/10	14.5	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-10-MW2	11/04/10	10.0	<25	<5.0	3.1a	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-15-MW2	11/04/10	15.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-5-MW3	10/20/10	5.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-10.5-MW3	11/08/10	10.5	<25	11a	**220**	<0.50	<0.50	<0.50	2.0	1.1	<0.50	<0.50	<5.0	<1.0	<1.0	<1.0	---	---	---
S-15.5-MW3	11/08/10	15.5	<25	<5.0	2.2	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-8-MW3A	01/18/12	8.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-14.5-MW3A	01/18/12	14.5	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	0.015	0.0052	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-5-MW4	10/20/10	5.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-10-MW4	11/05/10	10.0	<25	<5.0	44a	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<1.0	<1.0	<1.0	---	---	---

TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 79374
990 San Pablo Boulevard
Albany, California

Sample ID	Sampling Date	Depth (feet bgs)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Naph-thalene (mg/kg)	VOCs (mg/kg)	Lead (mg/kg)
Environmental Screening Levels, Potential Drinking Water Source (December 2013)																			
Shallow (<10 feet bgs), Residential (Table A-1)			---	100	100	0.023	0.044	2.9	3.3	2.3	0.00033	0.0045	0.075	---	---	---	1.2	---	80
Shallow (<10 feet bgs), Commercial (Table A-2)			---	110	500	0.023	0.044	2.9	3.3	2.3	0.00033	0.0045	0.075	---	---	---	1.2	---	320
Deep (≥10 feet bgs), Residential (Table C-1)			---	110	500	0.023	0.044	2.9	3.3	2.3	0.00033	0.0045	0.075	---	---	---	1.2	---	80
Deep (≥10 feet bgs), Commercial (Table C-2)			---	110	770	0.023	0.044	2.9	3.3	2.3	0.00033	0.0045	0.075	---	---	---	1.2	---	320
S-15-MW4	11/05/10	15.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-16.5-MW4	11/05/10	16.5	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-5-MW5	10/20/10	5.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-10.5-MW5	11/05/10	10.5	29	93a	**450a**	<0.050	<0.050	1.5	<0.50	<0.50	<0.50	<0.50	<5.0	<1.0	<1.0	<1.0	---	---	---
S-16.5-MW5	11/05/10	16.5	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-5-MW6	10/20/10	5.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-10-MW6	11/02/10	10.0	<25	8.2a	8.7a	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-14.5-MW6	11/02/10	14.5	<25	<5.0	1.8a	<0.0050	<0.0050	<0.0050	<0.0093	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-20-MW6	11/02/10	20.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-5-MW7	12/08/14	5.0	---	<5.0	<0.52	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	---	---	<0.048	<0.0096	<0.0096	<0.0096	---	---	---
S-10-MW7	12/08/14	10.0	---	**120a**	**540a**	<2.0	<2.0	<2.0	<2.0	<2.0	---	---	<20	<4.0	<4.0	<4.0	---	---	---
S-15-MW7	12/08/14	15.0	---	<5.0	<0.51	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	---	---	<0.048	<0.0096	<0.0096	<0.0096	---	---	---
S-5-MW8	12/08/14	5.0	---	<5.0	<0.48	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	---	---	<0.051	<0.010	<0.010	<0.010	---	---	---
S-10-MW8	12/08/14	10.0	---	<5.0	<0.52	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	---	---	<0.048	<0.0096	<0.0096	<0.0096	---	---	---
S-15-MW8	12/08/14	15.0	---	<5.0	<0.49	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	---	---	<0.049	<0.0097	<0.0097	<0.0097	---	---	---
S-5-MW9	10/08/15	5.0	---	<5.1	<0.49	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-10.5-MW9	10/08/15	10.5	---	6.3a	36a	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.049	<0.0098	<0.0098	<0.0098	---	---	---
S-15.5-MW9	10/08/15	15.5	---	<5.0	<0.49	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.049	<0.0099	<0.0099	<0.0099	---	---	---
Remediation Wells																			
S-10-AS1	01/18/12	10.0	<25	**800a**	**2,900**	<2.5	<2.5	<2.5	**47**	<2.5	<2.5	<2.5	<25	<5.0	<5.0	<5.0	---	---	---
S-8.5-SVE1	01/17/12	8.5	<25	87a	**480a**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<1.0	<1.0	<1.0	---	---	---
S-11.5-SVE1	01/17/12	11.5	<25	<5.0	18	<0.0050	<0.50	0.010	0.084	0.11	<0.0050	<0.0050	<0.50	<0.010	<0.010	<0.010	---	---	---
S-10-SVE2	01/17/12	10.0	53a	37a	**390a**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<1.0	<1.0	<1.0	---	---	---
S-14-SVE2	01/17/12	14.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.50	<0.010	<0.010	<0.010	---	---	---
S-12.5-SVE3	01/17/12	12.5	57a	**760a**	**1,900a**	<2.5	<2.5	<2.5	<2.5	<2.5	<0.50	<0.50	<5.0	<1.0	<1.0	<1.0	---	---	---
S-15-SVE3	01/17/12	15.0	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	0.015	0.033	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-5-SVE4	10/09/15	5.0	---	<5.0	<0.49	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.049	<0.0099	<0.0099	<0.0099	---	---	---
S-9.5-SVE4	10/09/15	9.5	---	9.2a	82a	<0.50 I	<0.50 I	<0.50 I	<0.50 I	<0.50 I	<0.50 I	<0.50 I	<5.0 I	<1.0 I	<1.0 I	<1.0 I	---	---	---
S-15.5-SVE4	10/09/15	15.5	---	<4.9	<0.51	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---
S-5-SVE5	10/09/15	5.0	---	<5.0	<0.49	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.0099	<0.0099	<0.0099	---	---	---
S-11.5-SVE5	10/09/15	11.5	---	**160a**	390	<0.49	<0.49	<0.49	**5.1**	**7.0**	<0.49	<0.49	<4.9	<0.98	<0.98	<0.98	---	---	---
S-15.5-SVE5	10/09/15	15.5	---	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	---

TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 79374
990 San Pablo Boulevard
Albany, California

Sample ID	Sampling Date	Depth (feet bgs)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Naph-thalene (mg/kg)	VOCs (mg/kg)	Lead (mg/kg)
Environmental Screening Levels, Potential Drinking Water Source (December 2013)																			
Shallow (<10 feet bgs), Residential (Table A-1)			---	100	100	0.023	0.044	2.9	3.3	2.3	0.00033	0.0045	0.075	---	---	---	1.2	---	80
Shallow (<10 feet bgs), Commercial (Table A-2)			---	110	500	0.023	0.044	2.9	3.3	2.3	0.00033	0.0045	0.075	---	---	---	1.2	---	320
Deep (≥10 feet bgs), Residential (Table C-1)			---	110	500	0.023	0.044	2.9	3.3	2.3	0.00033	0.0045	0.075	---	---	---	1.2	---	80
Deep (≥10 feet bgs), Commercial (Table C-2)			---	110	770	0.023	0.044	2.9	3.3	2.3	0.00033	0.0045	0.075	---	---	---	1.2	---	320
S-5-SVE6	10/09/15	5.0	---	<4.9	<0.51	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.048	<0.0097	<0.0097	<0.0097	---	---	---
S-12-SVE6	10/09/15	12.0	---	76a	**520**	<1.0	<1.0	<1.0	**17**	**11**	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---
S-5-SVE7	10/09/15	5.0	---	<4.9	<0.50	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.049	<0.0098	<0.0098	<0.0098	---	---	---
S-10-SVE7	10/09/15	10.0	---	<5.0	2.0a	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.0099	<0.0099	<0.0099	---	---	---
S-12-SVE7	10/09/15	12.0	---	<5.0	11	<0.49m	<0.49m	<0.49m	<0.49m	<0.49m	<0.49m	<0.49m	<4.9m	<0.98m	<0.98m	<0.98m	---	---	---
S-15.5-SVE7	10/09/15	15.5	---	<5.0	<0.50	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.049	<0.0099	<0.0099	<0.0099	---	---	---
Soil Vapor Sampling Wells																			
S-5-SVS1	02/25/14	5.0	<25	<5.0	<0.50	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.049	<0.0099	<0.0099	<0.0099	<0.049	---	---
S-5-SVS2	02/25/14	5.0	<25	<5.0	<0.49	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.048	<0.0096	<0.0096	<0.0096	<0.048	---	---
S-5-SVS3	02/25/14	5.0	<25	<5.0	5.0a	<0.0050	0.00036j	<0.0050	0.0030j	0.00088j	<0.0050	<0.0050	0.016j	<0.010	<0.010	<0.010	0.0038j	---	---
Drum Samples																			
DR-1	01/06/08	---	<5.0	2.5c,d	4.9e,f	<0.050	<0.005	0.027	0.035	0.035	---	---	---	---	---	---	---	---	9.7
Soil Stockpile Samples																			
COMP(S-Profile-1-4)	11/08/10	---	<25	7.1a	14a	<0.0050	<0.0050	<0.0050	0.069	0.049	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	6.93
S-SP1 (1-4)	01/18/12	---	190a	39a	230	<0.0050	0.20	0.66	4.3	14	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	---	37.6
SP1	03/05/14	---	<24	<4.9	<0.49	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.050	ND	5.34
SP-1	10/08/15	---	---	<4.9	0.79a	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	---	<0.25k	5.74

TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 79374
990 San Pablo Boulevard
Albany, California

Notes:

TPHmo	=	Total petroleum hydrocarbons as motor oil analyzed using EPA Method 8015B.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015B.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B; analyzed using EPA Method 8020 in 2008.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8260B.
EDB	=	1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-Dicholorethane analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
Lead	=	Total lead analyzed using EPA Method 6010B.
VOCs	=	Volatile organic compounds analyzed using EPA Method 8260B.
SVOCs		Semi-volatile organic compounds analyzed using EPA Method 8270C.
HVOCs	=	Halogenated volatile organic compounds analyzed using EPA Method 8260B.
PAHs	=	Polyaromatic hydrocarbons analyzed using EPA Method 8310.
feet bgs	=	Feet below ground surface.
ND	=	Not detected.
---	=	Not analyzed/Not applicable
<	=	Less than the laboratory reporting limit.
a	=	The chromatographic pattern does not match that of the specified standard.
b	=	Heavier gasoline range compounds are significant.
c	=	Diesel range compounds are significant; no recognizable pattern.
d	=	Gasoline range compounds are significant.
e	=	Strongly aged gasoline or diesel range compounds are significant.
f	=	No recognizable pattern.
g	=	1-Methylnaphthalene.
h	=	2-Methylnaphthalene.
i	=	Phenanthrene.
j	=	Estimated value; analyte present at concentration above the method detection limit but below the reporting limit.
k	=	Ethanol.
l	=	The reporting limit is elevated resulting from matrix interference.
m	=	Reporting limits raised due to high level of non-target analytes.

TABLE 3B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS - HVOCs AND PAHs
Former Exxon Service Station 79374
990 San Pablo Boulevard
Albany, California

Sample ID	Sampling Date	Depth (feet bgs)	HVOCs: 1,2,4-trimethyl-benzene (mg/kg)	1,3,5-trimethyl-benzene (mg/kg)	Isopropyl-benzene (mg/kg)	Naph-thalene (mg/kg)	n-Butyl-benzene (mg/kg)	p-Isopropyl-toluene (mg/kg)	sec-Butyl-benzene (mg/kg)	t-Butyl-benzene (mg/kg)	HVOCs (mg/kg)	SVOCs (mg/kg)	PAHs: Naph-thalene (mg/kg)	Pyrene (mg/kg)	PAHs (mg/kg)
Environmental Screening Levels, Potential Drinking Water Source (December 2013)															
Shallow (<10 feet bgs), Residential (Table A-1)			---	---	---	1.2	---	---	---	---	---	---	1.2	85	---
Shallow (<10 feet bgs), Commercial (Table A-2)			---	---	---	1.2	---	---	---	---	---	---	1.2	85	---
Deep (≥10 feet bgs), Residential (Table C-1)			---	---	---	1.2	---	---	---	---	---	---	1.2	85	---
Deep (≥10 feet bgs), Commercial (Table C-2)			---	---	---	1.2	---	---	---	---	---	---	1.2	85	---
Soil Borings															
Not analyzed for these analytes prior to 2014.															
S-5-B7	02/27/14	5.0	---	---	---	---	---	---	---	---	---	---	---	---	---
S-11.5-B7	02/27/14	11.5	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-B8	02/28/14	5.0	---	---	---	---	---	---	---	---	---	---	---	---	---
S-11.5-B8	02/28/14	11.5	---	---	---	---	---	---	---	---	---	---	---	---	---
S-15.5-B8	02/28/14	15.5	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-B9	02/27/14	5.0	---	---	---	---	---	---	---	---	---	---	---	---	---
S-11.5-B9	02/27/14	11.5	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-B10	02/27/14	5.0	---	---	---	---	---	---	---	---	---	---	---	---	---
S-11.5-B10	02/27/14	11.5	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-B11	02/28/14	5.0	---	---	---	---	---	---	---	---	---	---	---	---	---
S-11.5-B11	03/05/14	11.5	---	---	---	---	---	---	---	---	---	---	---	---	---
S-15-B11	03/05/14	15.0	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-B12	02/26/14	5.0	---	---	---	---	---	---	---	---	---	---	<15	<10	ND
S-11.5-B12	02/26/14	11.5	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-B13	02/25/14	5.0	---	---	---	---	---	---	---	---	---	---	**16**	<10	ND
S-11.5-B13	02/28/14	11.5	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-B14	03/05/14	5.0	---	---	---	---	---	---	---	---	---	---	---	---	---
S-11.5-B14	03/05/14	11.5	---	---	---	---	---	---	---	---	---	---	---	---	---
S-15.5-B14	03/05/14	15.5	---	---	---	---	---	---	---	---	---	---	---	---	---
S-19-B14	03/05/14	19.0	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-B15	03/05/14	5.0	---	---	---	---	---	---	---	---	---	---	---	---	---
S-10-B15	03/05/14	10.0	---	---	---	---	---	---	---	---	---	---	---	---	---
S-14.0-B15	03/05/14	14.0	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 3B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS - HVOCs AND PAHs
Former Exxon Service Station 79374
990 San Pablo Boulevard
Albany, California

Sample ID	Sampling Date	Depth (feet bgs)	HVOCs: 1,2,4-trimethyl-benzene (mg/kg)	1,3,5-trimethyl-benzene (mg/kg)	Isopropyl-benzene (mg/kg)	Naph-thalene (mg/kg)	n-Butyl-benzene (mg/kg)	p-Isopropyl-toluene (mg/kg)	sec-Butyl-benzene (mg/kg)	t-Butyl-benzene (mg/kg)	HVOCs (mg/kg)	SVOCs (mg/kg)	PAHs: Naph-thalene (mg/kg)	Pyrene (mg/kg)	PAHs (mg/kg)
Environmental Screening Levels, Potential Drinking Water Source (December 2013)															
Shallow (<10 feet bgs), Residential (Table A-1)			---	---	---	1.2	---	---	---	---	---	---	1.2	85	---
Shallow (<10 feet bgs), Commercial (Table A-2)			---	---	---	1.2	---	---	---	---	---	---	1.2	85	---
Deep (≥10 feet bgs), Residential (Table C-1)			---	---	---	1.2	---	---	---	---	---	---	1.2	85	---
Deep (≥10 feet bgs), Commercial (Table C-2)			---	---	---	1.2	---	---	---	---	---	---	1.2	85	---
S-5-B16	02/26/14	5.0	---	---	---	---	---	---	---	---	---	---	<15	<10	ND
S-10-B16	02/26/14	10.0	---	---	---	---	---	---	---	---	---	---	<15	<10	ND
S-15.5-B16	02/26/14	15.5	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-B17	02/26/14	5.0	---	---	---	---	---	---	---	---	---	---	<15	<10	ND
S-10-B17	02/26/14	10.0	---	---	---	---	---	---	---	---	---	---	<15	<10	ND
S-15.5-B17	02/26/14	15.5	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-B18	10/08/15	5.0	---	---	---	---	---	---	---	---	---	---	<0.020	<0.020	ND
S-10-B18	10/08/15	10.0	---	---	---	---	---	---	---	---	---	---	<0.020	<0.020	ND
S-15-B18	10/08/15	15.0	---	---	---	---	---	---	---	---	---	---	<0.020	<0.020	ND
Cone Penetration Test Borings															
Not analyzed for these analytes.															
Monitoring Wells															
Not analyzed for these analytes prior to 2015.															
S-5-MW9	10/08/15	5.0	---	---	---	---	---	---	---	---	---	---	<0.020	<0.020	ND
S-10.5-MW9	10/08/15	10.5	---	---	---	---	---	---	---	---	---	---	<0.020	<0.020	ND
S-15.5-MW9	10/08/15	15.5	---	---	---	---	---	---	---	---	---	---	<0.020	<0.020	ND
Remediation Wells															
Not analyzed for these analytes prior to 2015.															
S-5-SVE4	10/09/15	5.0	---	---	---	---	---	---	---	---	---	---	<0.020	<0.020	ND
S-9.5-SVE4	10/09/15	9.5	---	---	---	---	---	---	---	---	---	---	<0.020	<0.020	0.060g, 0.14h
S-15.5-SVE4	10/09/15	15.5	---	---	---	---	---	---	---	---	---	---	<0.020	<0.020	ND
S-5-SVE5	10/09/15	5.0	---	---	---	---	---	---	---	---	---	---	<0.020	<0.020	ND
S-11.5-SVE5	10/09/15	11.5	---	---	---	---	---	---	---	---	---	---	**1.2**	<0.099	1.0g, 2.1h
S-15.5-SVE5	10/09/15	15.5	---	---	---	---	---	---	---	---	---	---	<0.020	<0.020	ND
S-5-SVE6	10/09/15	5.0	---	---	---	---	---	---	---	---	---	---	<0.020	<0.020	ND
S-12-SVE6	10/09/15	12.0	---	---	---	---	---	---	---	---	---	---	0.39	<0.020	0.38g, 0.81h, 0.024i

TABLE 3B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS - HVOCs AND PAHs
Former Exxon Service Station 79374
990 San Pablo Boulevard
Albany, California

			HVOCs										PAHs		
Sample ID	Sampling Date	Depth (feet bgs)	1,2,4-trimethyl-benzene (mg/kg)	1,3,5-trimethyl-benzene (mg/kg)	Isopropyl-benzene (mg/kg)	Naph-thalene (mg/kg)	n-Butyl-benzene (mg/kg)	p-Isopropyl-toluene (mg/kg)	sec-Butyl-benzene (mg/kg)	t-Butyl-benzene (mg/kg)	HVOCs (mg/kg)	SVOCs (mg/kg)	Naph-thalene (mg/kg)	Pyrene (mg/kg)	PAHs (mg/kg)
Environmental Screening Levels, Potential Drinking Water Source (December 2013)															
Shallow (<10 feet bgs), Residential (Table A-1)			---	---	---	1.2	---	---	---	---	---	---	1.2	85	---
Shallow (<10 feet bgs), Commercial (Table A-2)			---	---	---	1.2	---	---	---	---	---	---	1.2	85	---
Deep (≥10 feet bgs), Residential (Table C-1)			---	---	---	1.2	---	---	---	---	---	---	1.2	85	---
Deep (≥10 feet bgs), Commercial (Table C-2)			---	---	---	1.2	---	---	---	---	---	---	1.2	85	---
S-5-SVE7	10/09/15	5.0	---	---	---	---	---	---	---	---	---	---	<0.020	<0.020	ND
S-10-SVE7	10/09/15	10.0	---	---	---	---	---	---	---	---	---	---	<0.020	<0.020	ND
S-12-SVE7	10/09/15	12.0	---	---	---	---	---	---	---	---	---	---	<0.020	<0.020	ND
S-15.5-SVE7	10/09/15	15.5	---	---	---	---	---	---	---	---	---	---	<0.020	<0.020	ND
Soil Vapor Sampling Wells															
S-5-SVS1	02/25/14	5.0	---	---	---	---	---	---	---	---	---	---	<15	11	ND
S-5-SVS2	02/25/14	5.0	---	---	---	---	---	---	---	---	---	---	<15	<10	ND
S-5-SVS3	02/25/14	5.0	---	---	---	---	---	---	---	---	---	---	<15	<10	ND
Drum Samples															
Not analyzed for these analytes.															
Soil Stockpile Samples															
COMP(S-Profile-1-4)	11/08/10	---	0.0053	0.062	0.061	0.098	0.14	0.012	0.053	0.018	ND	---	---	---	---
S-SP1 (1-4)	01/18/12	---	8.3	2.2	0.12	<5.0	0.20	0.018	0.051	<0.0050	2.5j	---	---	---	---
SP1	03/05/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP-1	10/08/15	---	---	---	---	---	---	---	---	---	---	ND	---	---	---

TABLE 3B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS - HVOCs AND PAHs
Former Exxon Service Station 79374
990 San Pablo Boulevard
Albany, California

Notes:		
TPHmo	=	Total petroleum hydrocarbons as motor oil analyzed using EPA Method 8015B.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015B.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B; analyzed using EPA Method 8020 in 2008.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8260B.
EDB	=	1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-Dicholorethane analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
Lead	=	Total lead analyzed using EPA Method 6010B.
VOCs	=	Volatile organic compounds analyzed using EPA Method 8260B.
SVOCs		Semi-volatile organic compounds analyzed using EPA Method 8270C.
HVOCs	=	Halogenated volatile organic compounds analyzed using EPA Method 8260B.
PAHs	=	Polyaromatic hydrocarbons analyzed using EPA Method 8310.
feet bgs	=	Feet below ground surface.
ND	=	Not detected.
---	=	Not analyzed/Not applicable
<	=	Less than the laboratory reporting limit.
a	=	The chromatographic pattern does not match that of the specified standard.
b	=	Heavier gasoline range compounds are significant.
c	=	Diesel range compounds are significant; no recognizable pattern.
d	=	Gasoline range compounds are significant.
e	=	Strongly aged gasoline or diesel range compounds are significant.
f	=	No recognizable pattern.
g	=	1-Methylnaphthalene.
h	=	2-Methylnaphthalene.
i	=	Phenanthrene.
j	=	Estimated value; analyte present at concentration above the method detection limit but below the reporting limit.
k	=	Ethanol.
l	=	The reporting limit is elevated resulting from matrix interference.
k	=	Reporting limits raised due to high level of non-target analytes.

TABLE 4
CUMULATIVE SOIL VAPOR ANALYTICAL RESULTS
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Sample ID	Sampling Date	Depth (feet)	TPHg (µg/m³)	MTBE (µg/m³)	B (µg/m³)	T (µg/m³)	E (µg/m³)	X (µg/m³)	EDB (µg/m³)	1,2-DCA (µg/m³)	TBA (µg/m³)	TAME (µg/m³)	ETBE (µg/m³)	DIPE (µg/m³)	Naph-thalene (µg/m³)	Add'l VOCs (µg/m³)	Methane (%V)	Helium (%V)	CO_2 (%V)	O_2+ Argon (%V)	Vacuum (in Hg)
Environmental Screening Levels, Shallow Soil Gas, Table E-2 (December 2013)																					
Residential			300,000	4,700	42	160,000	490	52,000	17	58	---	---	---	---	36	---	---	---	---	---	---
Commercial/Industrial			2,500,000	47,000	420	1,300,000	4,900	440,00	170	580	---	---	---	---	360	---	---	---	---	---	---
Media-Specific Criteria for Vapor Intrusion to Indoor Air, No Bioattenuation Zone (SWRCB, 2012)																					
Residential			---	---	85	---	1,100	---	---	---	---	---	---	---	93	---	---	---	---	---	---
Commercial			---	---	280	---	3,600	---	---	---	---	---	---	---	310	---	---	---	---	---	---
Media-Specific Criteria for Vapor Intrusion to Indoor Air, With Bioattenuation Zone (SWRCB, 2012)																					
Residential			---	---	85,000	---	1,100,000	---	---	---	---	---	---	---	93,000	---	---	---	---	---	---
Commercial			---	---	280,000	---	3,600,000	---	---	---	---	---	---	---	310,000	---	---	---	---	---	---
SVS1	03/06/14	5.5	**180,000,000**	**<12,000**	**<2,600**	<3,000	**<3,500**	<3,500	**<6,100**	**<3,200**	<9,700	<13,000	<13,000	<13,000	<0.020	---	15.5	<0.0100	10.0	2.58	-5.00
SVS1	08/28/14	5.5	**90,000,000**	**<36,000**	**<8,000**	12,000	**<11,000**	<11,000	**<19,000**	**<10,000**	<30,000	<42,000	<42,000	<42,000	<20	ND	15.3	<0.0100	13.2	2.49	-5.00
SVS2	03/06/14	5.5	**190,000,000**	<1,800	**1,700**	740	**650**	3,100	**<960**	**<510**	<1,500	<2,100	<2,100	<2,100	<0.020	---	11.4	<0.0100	8.31	3.62	-5.00
SVS2	08/28/14	5.5	**80,000,000**	**<36,000**	**<8,000**	13,000	**<11,000**	<11,000	**<19,000**	**<10,000**	<30,000	<42,000	<42,000	<42,000	<20	ND	11.5	<0.0100	9.67	5.54	-5.00
SVS2 Dup	08/28/14	5.5	**89,000,000**	**<36,000**	**<8,000**	13,000	**<11,000**	<11,000	**<19,000**	**<10,000**	<30,000	<42,000	<42,000	<42,000	---	ND	13.5	<0.0100	11.3	2.82	-5.00
SVS3	03/07/14	5.5	**150,000,000**	**<5,800**	**15,000**	<1,500	**15,000**	<1,700	**<3,100**	**<1,600**	<4,900	<6,700	<6,700	<6,700	1.1	---	6.29	<0.0100	13.3	4.41	-5.00
SVS3 Dup	03/07/14	5.5	**150,000,000**	**<5,800**	**22,000**	<1,500	**23,000**	<1,700	**<3,100**	**<1,600**	<4,900	<6,700	<6,700	<6,700	---	---	6.73	<0.0100	14.4	3.10	-5.00
SVS3	08/28/14	5.5	**87,000,000**	**<36,000**	**21,000**	13,000	**31,000**	<11,000	**<19,000**	**<10,000**	<30,000	<42,000	<42,000	<42,000	**820a**	ND	5.11	<0.0100	14.7	5.49	-5.00

TABLE 4
CUMULATIVE SOIL VAPOR ANALYTICAL RESULTS
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Notes:

TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method TO-17; analyzed using EPA Method TO-3M in March 2014.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method TO-15.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method TO-15.
EDB	=	1,2-dibromoethane analyzed using EPA Method TO-15.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method TO-15.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method TO-15.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method TO-15.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method TO-15.
DIPE	=	Di-isopropyl ether analyzed using EPA Method TO-15.
Naphthalene	=	Naphthalene analyzed using EPA Method TO-17(M).
Add'l VOCs	=	Additional volatile organic compounds analyzed using EPA Method TO-15.
Methane	=	Methane analyzed using ASTM Method D-1946.
Helium	=	Helium analyzed using ASTM Method D-1946 (M).
CO_2	=	Carbon dioxide analyzed using ASTM Method D-1946.
O_2 + Argon	=	Oxygen plus argon analyzed using ASTM Method D-1946.
Vacuum	=	Vacuum measured using a vacuum gauge.
µg/m³	=	Micrograms per cubic meter.
%V	=	Percent by volume.
in Hg	=	Inches of mercury.
ND	=	Not detected.
Bold	=	Greater than or equal to the most stringent, applicable screening level.
<	=	Less than the stated method detection limit.
---	=	Not applicable.
a	=	Possibly biased high due to results of associated standard.

APPENDIX A

CORRESPONDENCE

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

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

January 8, 2016

Ms. Jennifer Sedlachek
ExxonMobil
4096 Piedmont Ave., #194
Oakland, CA 94611
(Sent via E-mail to:
jennifer.c.sedlachek@exxonmobil.com)

Ms. Muriel Blank
Blank Family Trust
1164 Solano Ave., #406
Albany, CA 94706

Subject: Request for Work Plan; Fuel Leak Case No. RO0002974 and GeoTracker Global ID T0619716673, Exxon, 990 San Pablo Ave., Albany, CA 94706

Dear Ms. Sedlachek and Ms. Blank:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above referenced site including the *Data Gap Investigation, Well Installation, and Remedial Progress Report*, dated November 12, 2015, and *the Groundwater Monitoring and Remediation Status Report, Fourth Quarter 2015*, dated December 17, 2015. There reports were prepared and submitted on your behalf by Cardno. Thank you for submitting the reports.

Thank you also for initiating corrective actions at the site. As you are likely aware, the initial groundwater monitoring report subsequent to the initial High Intensity Targeted (HIT) event documents marked decreases in Total Petroleum Hydrocarbons as gasoline (TPHg) concentrations in groundwater.

ACEH has evaluated the data and recommendations presented in the above-mentioned reports, in conjunction with the case files, to determine if the site is eligible for closure as a low risk site under the State Water Resources Control Board's (SWRCBs) Low Threat Underground Storage Tank Case Closure Policy (LTCP). Based on the data generated during recent investigation and ACEH staff review, we have revised the checklist. ACEH has determined that the site continues to fail to meet the Media-Specific Criteria for Groundwater and the Media-Specific Criteria for Vapor Intrusion to Indoor Air (see Geotracker for an updated copy), but the site may also fail General Criteria f (Secondary Source Removal). Technical comments relative to each of criteria are discussed below.

Therefore, based on the review of the case file ACEH requests that you address the following technical comments and send us the documents requested below.

TECHNICAL COMMENTS

1. **General Criteria f – Secondary Source Has Been Removed to the Extent Practicable –** "Secondary source" is defined as petroleum-impacted soil or groundwater located at or immediately beneath the point of release from the primary source. Unless site attributes prevent secondary source removal (e.g. physical or infrastructural constraints exist whose removal or relocation would be technically or economically infeasible), petroleum-release sites are required to undergo secondary source removal to the extent practicable as described in the policy. "To the extent practicable" means implementing a cost-effective corrective action which removes or destroys-in-place the most readily recoverable fraction of source-area mass. It is expected that most secondary mass removal efforts will be completed in one year or less. Following removal or destruction of the secondary source, additional removal or active remedial actions shall not be required by regulatory agencies unless (1) necessary to abate a demonstrated threat to human health or (2) the groundwater plume does not meet the definition of low threat as described in this policy.

Removal of the former fuel underground storage tanks (USTs) and the waste oil UST are reported to have occurred at in 1983. Based on available records it is not certain that over excavation beneath the USTs occurred at that time. Soil and groundwater characterization in the vicinity around, and beneath, the former UST locations have been conducted; however, the former tank holds have not been characterized and may contain residual contamination at concentrations of concern. The installation of bores to characterize shallower tank-hold materials can provide baseline tank-hold concentrations near the initiation of corrective actions.

Please present a strategy in a Data Gap Work Plan (described in Technical Comment 4 below) to address the items discussed above. Alternatively, please provide justification of why the site satisfies this general criterion in the focused SCM described in Technical Comment 4 below.

2. **LTCP Media Specific Criteria for Groundwater** – To satisfy the media-specific criteria for groundwater, the contaminant plume that exceeds water quality objectives must be stable or decreasing in areal extent, and meet all of the additional characteristics of one of the five classes of sites listed in the policy.

   Our review of the case files indicates that insufficient data collection and analysis has been presented to support the requisite characteristics of plume stability or plume classification as follows:

   a. **Plume Areal Extent and Groundwater Gradient** – Over a period of time, and depending on the number of wells installed and the time of year, it appears that the groundwater gradient at the site is highly variable. At present the groundwater gradient is to the south-southeast, and the extent of the groundwater plume to the south of wells MW-2 and MW-7, especially towards the police station across Buchannan Street, has not been adequately defined. This concern is not limited to petroleum hydrocarbon concentrations, but also to undefined halogenated volatile organic compounds (HVOCs) south of MW-2. Tetrachlorethene (PCE) and Trichloroethene (TCE) were documented in well MW-1 and MW-2 at concentrations up to 92 micrograms per liter (µg/l) and 79 µg/l respectively, in the recent groundwater monitoring event. The concentration of PCE in both wells was analyzed after the holding period, thus the concentrations are likely to have been higher. Both concentrations are over the drinking water and the non-drinking water Environmental Screening Levels (ESLs) promulgated by the San Francisco Bay Regional Water Quality Control Board (RWQCB).

   Please present a strategy in a Data Gap Work Plan (described in Technical Comment 4 below) to address the items discussed above. Alternatively, please provide justification of why the site satisfies the Media-Specific Criteria for Groundwater in the focused SCM described in Technical Comment 4 below.

3. **Risk of Indoor Air Vapor Intrusion** – Recent review of the site on Google Earth indicates that the elevation of the immediately adjacent periodically downgradient residential home to the west is approximately 1 to 2 feet lower than the onsite elevation. Google Earth also indicates that an enclosed garage is located within feet of the downgradient property line. It appears appropriate to determine the risk of vapor intrusion at the home, including the garage. Indoor air sampling of the garage may be biased high due to potential use of the garage as an actual garage; however, the use of the space has not been determined. Alternative methods to evaluate the garage and home are available, including sub-slab vapor sampling. The lower site elevation at the home effectively reduces a portion of the bioattenuation zone that may be available at the site.

   Please present a strategy in a Data Gap Work Plan (described in Technical Comment 4 below) to address the items discussed above. Alternatively, please provide justification of why the site satisfies the Media-Specific Criteria for Vapor Intrusion in the focused SCM described in Technical Comment 4 below.

4. **Data Gap Investigation Work Plan and Focused Site Conceptual Model** – Please prepare a Data Gap Investigation Work Plan to address the technical comments listed above. Please support the scope of work in the Data Gap Investigation Work Plan with a focused SCM and Data Quality Objectives (DQOs) that relate the data collection to each LTCP criteria. For example please clarify which scenario within each Criterion a sampling strategy is intended to apply to.

In order to expedite review, ACEH requests the focused SCM be presented in a tabular format that highlights the major SCM elements and associated data gaps, which need to be addressed to progress the site to case closure under the LTCP.

5. **HVOC Analysis for Soil Vapor Extraction (SVE) Events –** Due to the presence of HVOCs in the eastern portion of the site, it is appropriate to include laboratory analysis for HVOCs in vapor extraction discharge monitoring and reporting. Please incorporate this sampling and reporting in the next regularly scheduled event.

6. **HIT System Reporting and BAAQMD Site Specific Permit –** Due to the intermittent nature of the planned HIT events, Cardno has recommended quarterly Remedial Progress Reports (RPR). At this time, the recommendation appears appropriate. Please submit reports by the dates identified below.

   Cardno additionally recommended that a site specific permit for remediation discharges to the atmosphere from the Bay Area Air Quality Management District (BAAQMD). This also appears appropriate. Please copy ACEH on system discharge reports to a POTW and to the BAAQMD.

7. **Groundwater Monitoring and Analytical Data –** In future groundwater monitoring reports please tabulate chlorinated solvents and other detected compounds under individual column headers. The intent is to quickly discern contaminant trends and not determine which footnote applies to which compound. Please continue to analyze for chlorinated solvents at the site in wells MW-1 and MW-2.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACEH ftp site (Attention: Mark Detterman), and to the State Water Resources Control Board's Geotracker website, in accordance with the specified file naming convention below, according to the following schedule:

- **March 25, 2016 –** Data Gap Investigation Work Plan
  File to be named: RO2974_WP_R_yyyy-mm-dd

- **March 25, 2016 –** Remedial Progress Report
  File to be named: RO2974_REM_R_yyyy-mm-dd

- **July 15, 2016 –** Second Quarter 2016 Semi-Annual Groundwater Monitoring and Remedial Progress Report; File to be named: RO2974_GWM_REM_R_yyyy-mm-dd

- **September 23, 2016 –** Remedial Progress Report
  File to be named: RO2974_REM_R_yyyy-mm-dd

- **60 Days After Work Plan Approval –** Site Investigation Report
  File to be named: RO2974_SWI_R_yyyy-mm-dd

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ACEH appreciates work progress at the site and your cooperation. Should you have any questions, please contact me at (510) 567--6876 or send me an electronic mail message at mark.detterman@acgov.org.

Sincerely,

Digitally signed by Mark Detterman
DN: cn=Mark Detterman, o=ACEH, ou=ACEH, email=mark.detterman@acgov.org, c=US
Date: 2016.01.08 14:23:43 -08'00'

Mark E. Detterman, PG, CEG
Senior Hazardous Materials Specialist

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements / Obligations and Electronic Report Upload (ftp) Instructions

cc: Christine Capwell, Cardno, 601 North McDowell Blvd., Petaluma, CA 94954 (Sent via E-mail to: christine.capwell@cardno.com)

David Daniels, Cardno, 601 North McDowell Blvd., Petaluma, CA 94954 (Sent via E-mail to: david.daniels@cardno.com)

Mrs. Marcia B. Kelly, 641 SW Morningside Rd., Topeka, KS 66615 (Sent via E-mail to: marciabkelly@earthlink.net)

Rev. Deborah Blank, 1563 Solano Ave. #344, Berkeley, CA 94707 (Sent via E-mail to: miracoli@earthlink.net)

Dilan Roe (sent via electronic mail to dilan.roe@acgov.org)
Mark Detterman (sent via electronic mail to mark.detterman@acgov.org)
Electronic File, GeoTracker

APPENDIX B

SITE CONCEPTUAL MODEL

Element	Description	Data Gaps
Geology and Hydrogeology		
Regional Geology and Hydrogeology	The site lies at an approximate elevation of 40 feet above msl, and the local topography slopes toward the southwest. The site is located along the eastern margin of the San Francisco Bay within the East Bay Plain (Hickenbottom and Muir, 1988). The surficial deposits in the site vicinity are mapped as Holocene alluvial fan and fluvial deposits (Graymer, 2000). The active northwest trending Hayward fault is located approximately 1.5 miles northeast of the site. The East Bay Plain is regionally divided into two major groundwater basins: the San Pablo and the San Francisco Basin. These basins are tectonic depressions that are filled primarily with a sequence of coalescing alluvial fans. The San Francisco Basin is further divided into seven sub-areas. The site is located in the Berkeley Sub-Area, which is filled primarily by alluvial deposits that range from 10 to 300 feet thick with poorly defined aquitards (CRWQCB, 1999). Under natural conditions, the direction of groundwater flow in the East Bay Plain is east to west.	None
Site Geology, Hydrogeology, Hydraulic Flow, and Groundwater Gradient	Soil boring logs indicate that the soil beneath the site consists predominantly of silt and clay with an apparently continuous coarse-grained unit 2 to 8 feet thick encountered between approximately 8 and 20 feet bgs. Fill material was encountered in the boring for well SVE3 (located in the former UST pit) to approximately 7 feet bgs. CPT borings indicate the presence of predominantly silt and clay between approximately 20 and 60 feet bgs, the maximum depth explored. Coarse-grained layers up to 3 feet thick are interbedded with the silt and clay (EC&A, 2008; Cardno ERI, 2011; Cardno ERI, 2012). Historical groundwater elevation data indicate that DTW ranges from 5 to 11 feet bgs beneath the site with varying groundwater flow directions. The distribution of dissolved-phase hydrocarbons suggests that the dominant groundwater flow direction is west to southwest (Cardno ERI, 2014b). Due to varying well construction, Cardno ERI separated the wells into shallow and deep water-bearing zones. Wells MW3A, MW4, MW5, and SVE1 through SVE3 are screened no deeper than 15 feet bgs and are referred to as the shallow water-bearing zone; wells MW1 through MW3 and MW6 have screened intervals that extend deeper than 15 feet bgs and are referred to as the deep water-bearing zone. The groundwater elevations in wells screened deeper than 15 feet are commonly irregular and do not agree with the distribution of petroleum hydrocarbon concentrations. Although the water-bearing zones are referred to as shallow and deep, they likely do not represent unique water-bearing zones. During second quarter 2015, the groundwater flow direction in the shallow water-bearing zone was towards the southwest with a hydraulic gradient of approximately 0.038 (Cardno, 2015). Due to varying well construction, the groundwater flow in the deep water-bearing zone is not calculated (Cardno ERI, 2014b).	None
Facility History		
Facility Structures and Site Operations	In 1945, a service station owned by Signal Oil Company occupied the site. Humble Oil company acquired the site in 1967 from Standard Oil Company of California (Chevron), rebranding the site as an Enco station. The station was rebranded as an Exxon service station in 1975 (EDR, 2009a; EDR, 2009b). The service station was demolished in 1983. During demolition activities, one used-oil UST and four gasoline USTs were removed and the resulting tank cavity was backfilled with sand and compacted to 90% (City of Albany, 1983). Cardno ERI reviewed eight aerial photographs of the site and site vicinity dated from September 6, 1949, to June 21, 1983 (EDR, 2009b). Based on these photographs, the dispenser islands appeared to be located beneath the station canopy on the northern portion of the site and the former USTs appeared to be located on the southern portion of the site, east of the station's service bays. The location of the former used-oil UST is unknown. The approximate location of the former USTs are shown on Plate 2. A retail outlet for Benjamin Moore paints and painting products and associated asphalt parking currently occupy the site.	None

Element	Description	Data Gaps
Sensitive Receptors, Land Use, and Nearby Sites		
Surface Water Bodies	The site is located approximately 1,630 feet north-northwest of Cordornices Creek. No other surface water bodies have been located within a 300-meter radius of the site.	None
Nearby Wells	There are not public water supply, municipal, or domestic wells located within a ¼-mile radius of the site.	None
Public Use Areas	Two public use areas are present within a 100-meter radius of the site: the City of Albany Police, Fire, and City offices located across Buchanan Street at 1000 San Pablo Avenue and a physical therapy office located in the strip mall approximately 50 meters north of the site.	None
Residences	Sixteen residential buildings have been identified within a 300-meter radius of the site; five of those buildings are located within a 100-meter radius of the site.	None
Sub-Grade	Sub-grade structures have not been identified within a 100-meter radius of the site.	None
Utility Vaults	Twenty-three vaults have been identified on or immediately adjacent to the site. Vault uses include: water, telephone, gas meter, electric, sewer, traffic box, traffic signal, and anode.	None
Storm and Sanitary Sewers	Three storm drains are located on or adjacent to the site. The storm drains daylight along the curb and water flows west along Buchanan Street. The City of Albany Public Works Department confirmed that the storm drains discharge directly into the Bay. Two sanitary sewer cleanout vaults are located on site. The City of Albany Public Works Department confirmed that sewage is discharged at the East Bay Municipal Utilities District Treatment Plant, located 4.5 miles south of the site, at the entrance to the San Francisco Bay Bridge.	None
Other	Other site receptors have not been identified.	None
Nearby Sites	The surrounding areas consist of residential and commercial properties. The City of Albany Fire Department and Police Department are located south of the site on Buchanan Street. ACEH case number RO0000119, identified as Firestone #3655 in the GeoTracker™ database, is located across San Pablo Avenue to the east. A Shell Service Station and an Atlantic Richfield Company Service Station (Arco) are located approximately 350 and 500 feet away, respectively, south-southeast of the site.	None
Release Information		
Release History	The primary sources of petroleum hydrocarbons at the site are the former used-oil UST and the four former gasoline USTs. The USTs were removed in 1983 (City of Albany, 1983).	None
Extent and Distribution of Petroleum Hydrocarbon Concentrations	**Non-Aqueous Phase Liquid** An immiscible sheen was reported in groundwater samples collected from borings B1 and B2 (EC&A, 2008). Neither NAPL nor sheen have been observed in the groundwater monitoring wells at the site; however, during fourth quarter 2012, concentrations of TPHg (270,000 µg/L) reported in well MW4 were potentially indicative of the presence of NAPL. Although the TPHg concentrations increased, BTEX concentrations were consistent with previous data. Concentrations of TPHg reported since fourth quarter 2012 are not indicative of the presence of NAPL and second quarter 2015 (22,000 µg/L) data is consistent with historical results. The fourth quarter 2012 TPHd result for well MW4 appears to have been anomalous.	None

Element	Description	Data Gaps
	Hydrocarbons in Groundwater Current and historic maximum dissolved-phase petroleum hydrocarbon concentrations have been reported in well MW3, located in the vicinity of the former USTs, and wells MW4 and MW5, located west of the former USTs. Concentrations are delineated to the east of the site by wells MW1 and MW2 and to the south of the site by borings B11 and B15. Dissolved-phase hydrocarbons are adequately vertically delineated at the site with petroleum hydrocarbon concentrations below or near the laboratory reporting limits in groundwater samples collected deeper than 27.5 feet bgs (Cardno ERI, 2011). **Data Gap:** Dissolved-phase petroleum hydrocarbons require monitoring off site to the west and southwest near borings B9 and B12. **How to Address:** Cardno installed off-site wells MW7 through MW9 to monitor dissolved-phase petroleum hydrocarbons west and southwest of the site. Monitoring and sampling activities in these wells are ongoing. The need for installation of additional wells will be evaluated.	**Yes**
	Hydrocarbons in Soil Maximum residual petroleum hydrocarbon concentrations are present at approximately 10.5 feet bgs in the vicinity of the former USTs. With the exception of naphthalene by EPA Method 8310 in boring B13 (5 feet bgs) and TPHg in borings B4 (5 feet bgs) and SVE1 (8.5 feet bgs), residual petroleum hydrocarbon concentrations have been near or below reporting limits in the shallow soil samples collected at the site, including samples collected in the vicinity of the former UST and suspected dispenser island locations. Residual petroleum hydrocarbon concentrations are adequately delineated in both shallow (less than 10 feet bgs) and deep (greater than or equal to 10 feet bgs) soil to the northeast, the northwest, the west, the east, the southwest, and the south by borings B5 through B11, B14, B15, MW1, MW2, and CPT1. Residual TPHg (530 mg/kg) is present to the north at 10 feet bgs in boring B16, but is near or below reporting limits at 5 and 15.5 feet bgs (EC&A, 2008; Cardno ERI, 2011; Cardno ERI, 2014a).	None
	Hydrocarbons in Soil Vapor Maximum vapor-phase concentrations are present in well SVS3, located in the vicinity of the suspected locations of the former dispenser islands. Petroleum hydrocarbons exceed ESLs by up to three orders of magnitude in wells SVS1 through SVS3. **Data Gap:** Vapor-phase concentrations exceed applicable screening levels. **How to Address:** DPE high-intensity targeted (HIT) events are ongoing.	**Yes**
Exposure Routes and Potential Receptors		
Exposure Routes and Potential Receptors	Utility trench backfill material is not acting as a preferential pathway for petroleum hydrocarbon concentrations (Cardno ERI, 2014a). There are not public water supply, municipal, or domestic wells located within a quarter mile of the site. The nearest surface water body (Cordornices Creek) is located approximately 1,630 feet south-southeast of the site. Residual and dissolved-phase petroleum hydrocarbons are delineated south and east of the site and are not likely to migrate to Cordornices Creek. A construction worker excavating soil at the site is a potential receptor; however, since the site is paved, direct exposure (via ingestion or dermal contact) to chemicals of concern released during Exxon's operations is not likely. The potential exposure route of vapor inhalation may exist in the commercial/industrial setting for workers in the on-site retail outlet. Users of shallow and deep groundwater are potential receptors. **Data Gap:** See the groundwater and soil vapor data gaps in the Release Information section.	**Yes**

REFERENCES

California Regional Water Quality Control Board San Francisco Bay Region Groundwater Committee (CRWQCB). June 1999. *East Bay Plain Groundwater Basin Beneficial Use Evaluation Report, Alameda and Contra Costa Counties, CA.*

Cardno. July 9, 2015. *Groundwater Monitoring Report, Second Quarter 2015, Former Exxon Service Station 79375, 990 San Pablo Avenue, Albany, California.*

*C*ardno ERI. February 28, 2011. *Site Assessment Report, Former Exxon Service Station 79374, 990 San Pablo Avenue, Albany, California.*

Cardno ERI. April 12, 2012. *Well Installation Report, Former Exxon Service Station 79374, 990 San Pablo Avenue, Albany, California.*

Cardno ERI. July 7, 2014a. *Work Plan for Well Installation, Former Exxon Service Station 79374, 990 San Pablo Avenue, Albany, California.*

Cardno ERI. September 5, 2014b. *Response to Comments and Request for Extension, Former Exxon Service Station 79374, 990 San Pablo Avenue, Albany, California.*

City of Albany. March 28, 1983. *Building Permit 82-0708.*

Edd Clark & Associates (EC&A). January 31, 2008. *Report of Phase II Environmental Assessment, 990 San Pablo Avenue, Albany, California.*

Environmental Data Resources Inc. (EDR). December 1, 2009a. *The EDR-City Directory Abstract, 990 San Pablo Avenue, Albany, CA 94706. Inquiry Number:2648519.6.*

Environmental Data Resources Inc. (EDR). December 1, 2009b. *Certified Sanborn® Map Report, 990 San Pablo Avenue, Albany, CA 94706. Inquiry Number 2648519.36.*

Graymer, R.W. 2000. *Geological map and map database of the Oakland metropolitan area, Alameda, Contra Costa, and San Francisco Counties, California. USGS, Miscellaneous Field Studies MF-2342.*

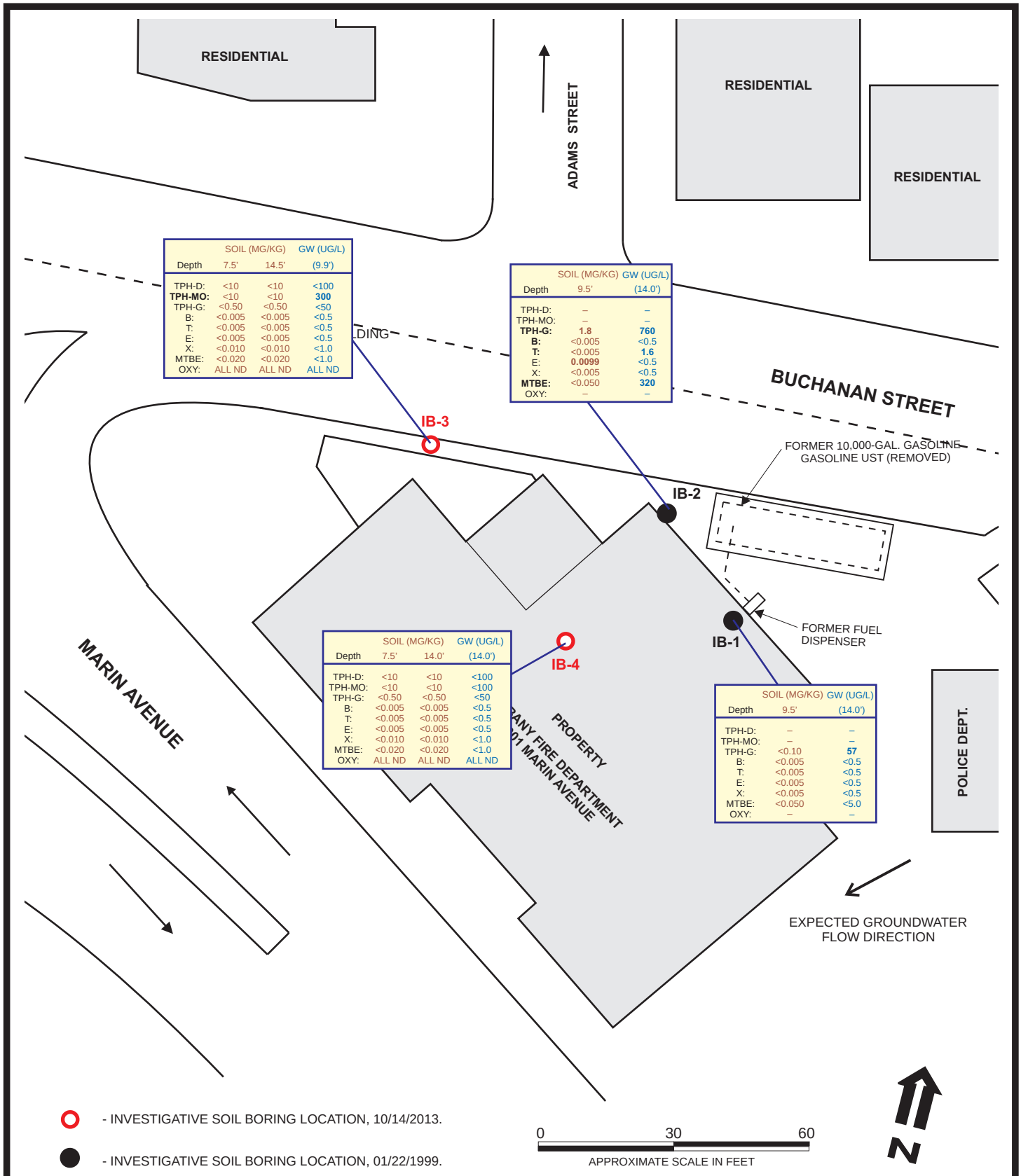
Hickenbottom, Kelvin and Muir, Kenneth S. June 1988. *Geohydrogeology and Groundwater Quality Overview of the East Bay Plain Area, Alameda County, CA. Alameda County Flood Control and Water Conservation District. 83p.*

APPENDIX C

ALBANY FIRE DEPARTMENT

1001 MARIN AVENUE

ALBANY, CALIFORNIA



	SOIL (MG/KG)		GW (UG/L)
Depth	7.5'	14.5'	(9.9')
TPH-D:	<10	<10	<100
TPH-MO:	<10	<10	**300**
TPH-G:	<0.50	<0.50	<50
B:	<0.005	<0.005	<0.5
T:	<0.005	<0.005	<0.5
E:	<0.005	<0.005	<0.5
X:	<0.010	<0.010	<1.0
MTBE:	<0.020	<0.020	<1.0
OXY:	ALL ND	ALL ND	ALL ND

	SOIL (MG/KG)	GW (UG/L)
Depth	9.5'	(14.0')
TPH-D:	–	–
TPH-MO:	–	–
TPH-G:	**1.8**	**760**
B:	<0.005	<0.5
T:	<0.005	**1.6**
E:	**0.0099**	<0.5
X:	<0.005	<0.5
MTBE:	<0.050	**320**
OXY:	–	–

	SOIL (MG/KG)		GW (UG/L)
Depth	7.5'	14.0'	(14.0')
TPH-D:	<10	<10	<100
TPH-MO:	<10	<10	<100
TPH-G:	<0.50	<0.50	<50
B:	<0.005	<0.005	<0.5
T:	<0.005	<0.005	<0.5
E:	<0.005	<0.005	<0.5
X:	<0.010	<0.010	<1.0
MTBE:	<0.020	<0.020	<1.0
OXY:	ALL ND	ALL ND	ALL ND

	SOIL (MG/KG)	GW (UG/L)
Depth	9.5'	(14.0')
TPH-D:	–	–
TPH-MO:	–	–
TPH-G:	<0.10	**57**
B:	<0.005	<0.5
T:	<0.005	<0.5
E:	<0.005	<0.5
X:	<0.005	<0.5
MTBE:	<0.050	<5.0
OXY:	–	–

DESIGNED BY:	CHECKED BY: JG	**SITE PLAN**	DATE: 01/06/2014 FIGURE: **2**
DRAWN BY: RB	SCALE:		
PROJECT NO:		1001 MARIN AVENUE ALBANY, CALIFORNIA	GRIBI

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

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

December 12, 2014

City of Albany Fire Department
c/o: Mr. Gale Rossi
1000 San Pablo Ave.
Albany, CA 94706
(sent via e-mail to:
grossi@albanyca.org)

City of Albany Fire Department
c/o: Ms. Nichole Almaguer
1000 San Pablo Ave.
Albany, CA 94706
(sent via e-mail to:
nalmaguer@albanyca.org)

City of Albany Fire Department
c/o: Fire Chief
1000 San Pablo Ave.
Albany, CA 94706

Subject: Case Closure for Fuel Leak Case No. RO0000297 and GeoTracker Global ID T0600102152, City of Albany Fire Department, 1000 San Pablo Ave., Albany, CA 94706

Dear Responsible Parties:

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.waterboards.ca.gov) and the Alameda County Environmental Health website (http://www.acgov.org/aceh/index.htm).

If you have any questions, please call Mark Detterman at (510) 567-6876. Thank you.

Sincerely,

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

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

Cc w/enc.: City of Albany Community Development, Planning Division, 1000 San Pablo Avenue, Albany, CA 94706

James E. Gribi, Gribi Associates, 1090 Adams Street, Suite K, Benicia, CA 94510 (sent via e-mail to jgribi@gribiassociates.com)

Mark Detterman, (sent via electronic mail to mark.detterman@acgov.org)
e-File, GeoTracker

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

December 12, 2014

City of Albany Fire Department
c/o: Mr. Gale Rossi
1000 San Pablo Ave.
Albany, CA 94706
(sent via e-mail to:
grossi@albanyca.org)

City of Albany Fire Department
c/o: Ms. Nichole Almaguer
1000 San Pablo Ave.
Albany, CA 94706
(sent via e-mail to:
nalmaguer@albanyca.org)

City of Albany Fire Department
c/o: Fire Chief
1000 San Pablo Ave.
Albany, CA 94706

Subject: Case Closure for Fuel Leak Case No. RO0000297 and GeoTracker Global ID T0600102152, City of Albany Fire Department, 1000 San Pablo Ave., Albany, CA 94706

Dear Responsible Parties:

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,

Arlu Levi
Director

APPENDIX D

FORMER FIRESTONE #3655
969 SAN PABLO AVENUE
ALBANY, CALIFORNIA

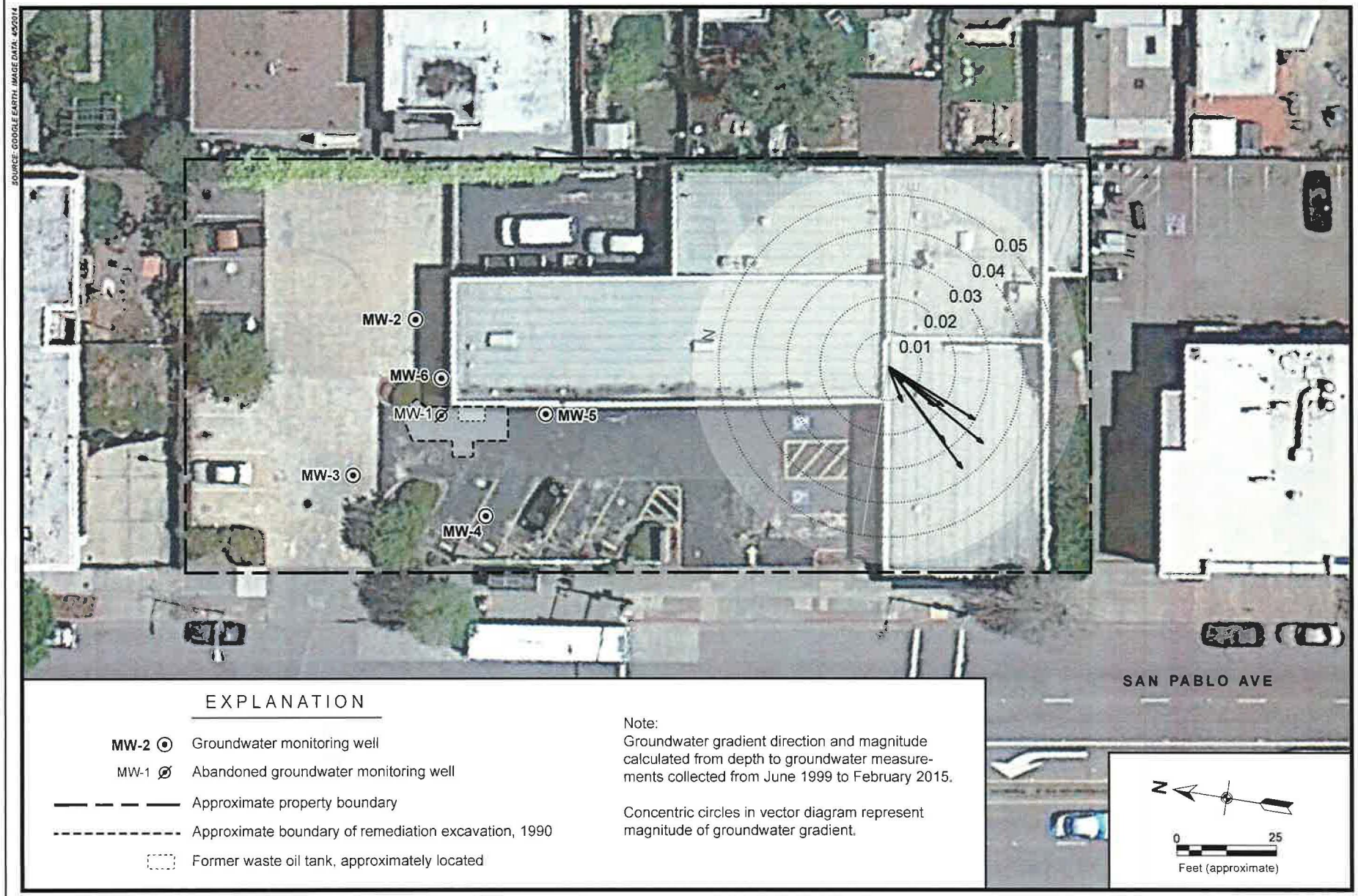


Figure 4. Groundwater Gradient Vector Diagram, Former Firestone Tire Store #3655, 969 San Pablo Avenue, Albany, California

RMH
Ryan-Murphy, Incorporated
Environmental Construction

May 24, 1990

Fuel Systems Consulting

Underground Storage Tank Management Programs

Fuel Systems Construction and Service

General Contracting and Complete Build-Up

Site Remedial Action

The Good Earth Machine™

Alameda County Health Agency
80 Swan Way, Room 200
Oakland, CA 94621
Mr. Larry Seto

Dear Larry,

Enclosed are the sample analyses and a work plan for the Firestone Tire & Rubber Company facility at 969 San Pablo, in Albany, California.

WORK PLAN

Ryan-Murphy Incorporated proposes to remove additional soil from the walls and floor of the excavation. A Foxboro Model 128 Organic Vapor Analyzer will be used to determine the vertical and lateral extent of contamination. Once it has been determined that all of the contaminated soil has been removed, samples will be collected from the floor and four walls of the excavation. These samples will be submitted to FGL Environmental for analyses. Please advise as to which EPA methods you want used in these analyses. Ryan-Murphy Incorporated has scheduled this work for the second week in June. If you have any questions, please feel free to call me.

Sincerely,

RYAN-MURPHY INCORPORATED

Richard J. Dow

Richard J. Dow
Senior Project Manager

RJD/gq
Enclosures

5867 Broadway
Denver, Colorado 80216
(303) 293-Fuel (3835)
Fax (303) 296-7911

211 Granite, Suite E
Corona, California 91719
(714) 279-6210
Fax (714) 279-6215

FGL ENVIRONMENTAL

RECEIVED MAY 2 2 1990

ANALYTICAL CHEMISTS

May 16, 1990

Lab No. 30899-1
Acct No. 03-9254
Ryan Murphy Inc.
5351 Lincoln
Denver, CO 80216

Sample Description: N. End of Tank
Sampled by: Rick Dow
Date Sampled: 05/03/90
Date Received: 05/08/90

PURGEABLE AROMATICS - EPA METHOD 8020

Parameter	Test Results ug/kg	Detection Limit ug/kg
Benzene	**16.1**	5
Toluene	ND	5
Total Xylenes	**5.1**	5
Chlorobenzene	ND	5
Ethylbenzene	ND	5
1,2-Dichlorobenzene	ND	5
1,3-Dichlorobenzene	ND	5
1,4-Dichlorobenzene	ND	5

ND = Not detected at or above the concentration of the detection limit.

ug/kg = ppb

Sincerely,

John F. Quinn

John F. Quinn, Ph.D.
Laboratory Director

JFQ: sjb

MAIN OFFICE & LABORATORY -- 853 CORPORATION STREET -- P.O. BOX 272, SANTA PAULA, CALIFORNIA 93060-0272
(805) 525-3824 -- (805) 659-0910
FAX (805) 525-4172

BRANCH OFFICE & LABORATORY -- 2500 STAGECOACH ROAD, STOCKTON, CALIFORNIA 95205
(209) 942-0181
FAX (209) 942-0423

FGL ENVIRONMENTAL
ANALYTICAL CHEMISTS

RECEIVED MAY 2 2 1990

May 16, 1990

Lab No. 30899-2
Acct No. 03-9254
Ryan Murphy, Inc.
5351 Lincoln
Denver, CO 80216

Sample Description: S. End of Tank
Sampled by: Rick Dow
Date Sampled: 05/03/90
Date Received: 05/08/90

PURGEABLE AROMATICS - EPA METHOD 8020

Parameter	Test Results ug/kg	Detection Limit ug/kg
Benzene	150	5
Toluene	770	5
Total Xylenes	8590	5
Chlorobenzene	ND	5
Ethylbenzene	820	5
1,2-Dichlorobenzene	ND	5
1,3-Dichlorobenzene	ND	5
1,4-Dichlorobenzene	ND	5

ND = Not detected at or above the concentration of the detection limit.

ug/kg = ppb

Sincerely,

John F. Quinn

John F. Quinn, Ph.D.
Laboratory Director

JFQ: sjb

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FGL ENVIRONMENTAL
ANALYTICAL CHEMISTS

RECEIVED MAY 2 2 1990

May 16, 1990

Lab No. 30899-3
Acct No. 03-9254
Ryan Murphy, Inc.
5351 Lincoln
Denver, CO 80216

Sample Description: N. Wall of Exc.
Sampled by: Rick Dow
Date Sampled: 05/03/90
Date Received: 05/08/90

PURGEABLE AROMATICS - EPA METHOD 8020

Parameter	Test Results ug/kg	Detection Limit ug/kg
Benzene	2300	5
Toluene	4460	5
Total Xylenes	16900	5
Chlorobenzene	ND	5
Ethylbenzene	3250	5
1,2-Dichlorobenzene	ND	5
1,3-Dichlorobenzene	ND	5
1,4-Dichlorobenzene	ND	5

ND = Not detected at or above the concentration of the detection limit.

ug/kg = ppb

Sincerely,

John F. Quinn

John F. Quinn, Ph.D.
Laboratory Director

JFQ: sjb

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FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

RECEIVED MAY 2 2 1990

May 16, 1990

Lab #: 30899-1
Acct #: 03-9254
Ryan-Murphy, Inc.
5351 Lincoln
Denver, CO 80216

Sample Description: N. End of Tank
Sampled by: Rick Dow
Date Sampled: 05/03/90

Chlorinated Hydrocarbons
EPA Method 8010

Compound	ug/kg	Detection Limit mg/kg	Compound	ug/kg	Detection Limit mg/kg
Benzyl chloride	ND	0.5	Dichlorodifluoromethane	ND	0.5
Bis(2-chloroisopropyl)ether	ND	0.5	**1,1-Dichloroethane**	**15.6**	0.5
Bromobenzene	ND	0.5	**1,2-Dichloroethane**	**0.7**	0.5
Bromodichloromethane	ND	0.5	1,1-Dichloroethylene	ND	0.5
Bromoform	ND	0.5	trans-1,2-Dichloroethylene	ND	0.5
Bromomethane	ND	0.5	Dichloromethane	ND	0.5
Carbon tetrachloride	ND	0.5	1,2-Dichloropropane	ND	0.5
Chlorobenzene	ND	0.5	cis-1,3-Dichloropropylene	ND	0.5
Chloroethane	ND	0.5	trans-1,3-Dichloropropylene	ND	0.5
Chloroform	ND	0.5	1,1,2,2-Tetrachloroethane	ND	0.5
1-Chlorohexane	ND	0.5	1,1,1,2-Tetrachloroethane	ND	0.5
2-Chloroethyl vinyl ether	ND	0.5	**Tetrachloroethylene**	**1.2**	0.5
Chloromethane	ND	0.5	1,1,1-Trichloroethane	ND	0.5
Chlorotoluene	ND	0.5	1,1,2-Trichloroethane	ND	0.5
Dibromochloromethane	ND	0.5	Trichloroethylene	ND	0.5
Dibromomethane	ND	0.5	Trichlorofluoromethane	ND	0.5
1,2-Dichlorobenzene	ND	0.5	Trichloropropane	ND	0.5
1,3-Dichlorobenzene	ND	0.5	Vinyl chloride	ND	0.5
1,4-Dichlorobenzene	ND	0.5			

ND = Not detected at or above the concentration of the detection limit.

ug/kg = ppb

If there are questions, please call or write.

John F. Quinn

John F. Quinn, Ph.D.
Laboratory Director

Tie Kang Huang

Tie Kang Huang
Chemist

JFQ: sjh

MAIN OFFICE & LABORATORY – 853 CORPORATION STREET – P.O. BOX 272, SANTA PAULA, CALIFORNIA 93060-0272
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FAX (209) 942-0423

FGL ENVIRONMENTAL

RECEIVED MAY 2 2 1990

ANALYTICAL CHEMISTS

May 16, 1990

Lab #: 30899-2
Acct #: 03-9254
Ryan Murphy, Inc.
5351 Lincoln
Denver, CO 80216

Sample Description: S. End of Tank
Sampled by: Rick Dow
Date Sampled: 05/03/90

Chlorinated Hydrocarbons
EPA Method 8010

Compound	ug/kg	Detection Limit mg/kg	Compound	ug/kg	Detection Limit mg/k
Benzyl chloride	ND	0.5	Dichlorodifluoromethane	ND	0.5
Bis(2-chloroisopropyl)ether	ND	0.5	1,1-Dichloroethane	3.8	0.5
Bromobenzene	ND	0.5	1,2-Dichloroethane	ND	0.5
Bromodichloromethane	ND	0.5	1,1-Dichloroethylene	ND	0.5
Bromoform	ND	0.5	trans-1,2-Dichloroethylene	ND	0.5
Bromomethane	ND	0.5	Dichloromethane	ND	0.5
Carbon tetrachloride	ND	0.5	1,2-Dichloropropane	ND	0.5
Chlorobenzene	ND	0.5	cis-1,3-Dichloropropylene	ND	0.5
Chloroethane	ND	0.5	trans-1,3-Dichloropropylene	ND	0.5
Chloroform	ND	0.5	1,1,2,2-Tetrachloroethane	ND	0.5
1-Chlorohexane	ND	0.5	1,1,1,2-Tetrachloroethane	ND	0.5
2-Chloroethyl vinyl ether	ND	0.5	Tetrachloroethylene	1830	0.5
Chloromethane	ND	0.5	1,1,1-Trichloroethane	900	0.5
Chlorotoluene	ND	0.5	1,1,2-Trichloroethane	ND	0.5
Dibromochloromethane	ND	0.5	Trichloroethylene	ND	0.5
Dibromomethane	ND	0.5	Trichlorofluoromethane	ND	0.5
1,2-Dichlorobenzene	ND	0.5	Trichloropropane	ND	0.5
1,3-Dichlorobenzene	ND	0.5	Vinyl chloride	ND	0.5
1,4-Dichlorobenzene	ND	0.5			

ND = Not detected at or above the concentration of the detection limit.

ug/kg = ppb

If there are questions, please call or write.

John F. Quinn, Ph.D.
Laboratory Director

Tie Kang Huang
Chemist

JFQ: sjb

MAIN OFFICE & LABORATORY – 853 CORPORATION STREET – P.O. BOX 272, SANTA PAULA, CALIFORNIA 93060-0272
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FAX (209) 942-0423

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

May 16, 1990

Lab #: 30899-3
Acct #: 03-9254
Ryan Murphy, Inc.
5351 Lincoln
Denver, CO 80216

Sample Description: N. Wall of Exc.
Sampled by: Rick Dow
Date Sampled: 05/03/90

Chlorinated Hydrocarbons
EPA Method 8010

Compound	ug/kg	Detection Limit mg/kg	Compound	ug/kg	Detection Limit mg/kg
Benzyl chloride	ND	0.5	Dichlorodifluoromethane	ND	0.5
Bis(2-chloroisopropyl)ether	ND	0.5	1,1-Dichloroethane	ND	0.5
Bromobenzene	ND	0.5	1,2-Dichloroethane	ND	0.5
Bromodichloromethane	ND	0.5	1,1-Dichloroethylene	ND	0.5
Bromoform	ND	0.5	trans-1,2-Dichloroethylene	ND	0.5
Bromomethane	ND	0.5	Dichloromethane	ND	0.5
Carbon tetrachloride	ND	0.5	1,2-Dichloropropane	ND	0.5
Chlorobenzene	ND	0.5	cis-1,3-Dichloropropylene	ND	0.5
Chloroethane	ND	0.5	trans-1,3-Dichloropropylene	ND	0.5
Chloroform	ND	0.5	1,1,2,2-Tetrachloroethane	ND	0.5
1-Chlorohexane	ND	0.5	1,1,1,2-Tetrachloroethane	ND	0.5
2-Chloroethyl vinyl ether	ND	0.5	**Tetrachloroethylene**	7230	0.5
Chloromethane	ND	0.5	**1,1,1-Trichloroethane**	4300	0.5
Chlorotoluene	ND	0.5	1,1,2-Trichloroethane	ND	0.5
Dibromochloromethane	ND	0.5	Trichloroethylene	ND	0.5
Dibromomethane	ND	0.5	Trichlorofluoromethane	ND	0.5
1,2-Dichlorobenzene	ND	0.5	Trichloropropane	ND	0.5
1,3-Dichlorobenzene	ND	0.5	Vinyl chloride	ND	0.5
1,4-Dichlorobenzene	ND	0.5			

ND = Not detected at or above the concentration of the detection limit.

ug/kg = ppb

If there are questions, please call or write.

John F. Quinn, Ph.D.
Laboratory Director

Tie Kang Huang
Chemist

JFQ: sjb

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FAX (209) 942-0423

FGL ENVIRONMENTAL

RECEIVED MAY 2 2 1990

ANALYTICAL CHEMISTS

May 16, 1990

Lab No.: 30899-1
Acct #: 03-9254
Ryan Murphy, Inc.
5351 Lincoln
Denver, CO 80216

Sample Description: N. End of Tank
Sampled by: Rick Dow
Date Sampled: 05/03/90
Date Received: 05/08/90

RE: UNDERGROUND STORAGE TANK ANALYSIS - SOIL

Tests Required	Test Results	Reporting Unit	DLR
TPH (8015M-Diesel)	ND	mg/kg	10

ND = Not detected at or above the concentration of the detection limit.

ug/kg = ppb
mg/kg = ppm

If you have any questions please call.

Very truly yours,
FGL ENVIRONMENTAL, INC.

John F. Quinn, Ph.D.
Laboratory Director

Tie Kang Huang
Chemist

JFQ: sjb

MAIN OFFICE & LABORATORY – 853 CORPORATION STREET – P.O. BOX 272, SANTA PAULA, CALIFORNIA 93060-0272
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(209) 942-0181
FAX (209) 942-0423

FGL ENVIRONMENTAL

RECEIVED MAY 2 2 1990

ANALYTICAL CHEMISTS

May 16, 1990

Lab No.: 30899-2
Acct #: 03-9254
Ryan Murphy, Inc.
5351 Lincoln
Denver, CO 80216

Sample Description: S. End of Tank
Sampled by: Rick Dow
Date Sampled: 05/03/90
Date Received: 05/08/90

RE: UNDERGROUND STORAGE TANK ANALYSIS - SOIL

Tests Required	Test Results	Reporting Unit	DLR
TPH (8015M-Diesel)	86	mg/kg	10

ND = Not detected at or above the concentration of the detection limit.

ug/kg = ppb
mg/kg = ppm

If you have any questions please call.

Very truly yours,
FGL ENVIRONMENTAL, INC.

John F. Quinn, Ph.D.
Laboratory Director

Tie Kang Huang
Chemist

JFQ: sjb

MAIN OFFICE & LABORATORY – 853 CORPORATION STREET – P.O. BOX 272, SANTA PAULA, CALIFORNIA 93060-0272
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(209) 942-0181
FAX (209) 942-0423

FGL ENVIRONMENTAL

RECEIVED MAY 2 2 1990

ANALYTICAL CHEMISTS

May 16, 1990

Lab No.: 30899-3
Acct #: 03-9254
Ryan Murphy, Inc.
5351 Lincoln
Denver, CO 80216

Sample Description: N. Wall of Exc.
Sampled by: Rick Dow
Date Sampled: 05/03/90
Date Received: 05/08/90

RE: UNDERGROUND STORAGE TANK ANALYSIS - SOIL

Tests Required	Test Results	Reporting Unit	DLR
TPH (8015M-Diesel)	1070	mg/kg	10

ND = Not detected at or above the concentration of the detection limit.

ug/kg = ppb
mg/kg = ppm

If you have any questions please call.

Very truly yours,
FGL ENVIRONMENTAL, INC.

John F. Quinn, Ph.D.
Laboratory Director

Tie Kang Huang
Chemist

JFQ: sjb

MAIN OFFICE & LABORATORY – 853 CORPORATION STREET – P.O. BOX 272, SANTA PAULA, CALIFORNIA 93060-0272
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FAX (209) 942-0423

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

RECEIVED MAY 2 2 1990

May 16, 1990

Lab. No. 30899

03-9254
Ryan Murphy, Inc.
5351 Lincoln
Denver, CO 80216

Sampled By: Rick Dow

RE: WATER ANALYSIS

Presenting results of analysis performed on your sample received May 05, 1990. The sample has been described, as received, along with the data.

DATA	Constituent	Results	
30899-1 N. End of Tank	Oil & Grease (503E)	40.0	mg/kg
30899-2 S. End of Tank	Oil & Grease (503E)	2436	mg/kg
30899-3 N. Wall of Exc	Oil & Grease (503E)	6548	mg/kg

* = Less Than

If there are questions, please call or write.

Very truly yours,

John Quinn

John Quinn, Ph.D.
Laboratory Director

JFQ:sjb

MAIN OFFICE – & LABORATORY 853 CORPORATION STREET – P.O. BOX 272 SANTA PAULA, CALIFORNIA 93060-0272 (805) 525-3824 -- (805) 659-0910
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FGL ENVIRONMENTAL

RECEIVED MAY 2 2 1990

ANALYTICAL CHEMISTS

May 16, 1990

Lab No. 30899-1
Acct No. 03-9254
Ryan Murphy, Inc.
5351 Lincoln
Denver, CO 80216

Sample Description: N. End of Tank
Sampled by: Rick Dow
Date Sampled: 05/03/90
Date Received: 05/08/90

HAZARDOUS WASTE CHARACTERIZATION
(TTLC)

Okay

Parameter	Test Results mg/kg	TTLC mg/kg	Detection Limit mg/kg	Parameter	Test Results mg/kg	TTLC mg/kg	Detection Limit mg/kg
Cadmium	ND	100	0.5	Zinc	ND	5,000	100
Chromium (Total)	ND	2,500	50	Lead	11	1,000	4
Molybdenum	ND	3,500	100	Nickel	42	2,000	10

ND = Not detected at or above the concentration of the detection limit.

mg/kg = ppm

Sincerely,

John F. Quinn

John F. Quinn, Ph.D.
Laboratory Director

JFQ: sjb

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FGL ENVIRONMENTAL

RECEIVED MAY 2 2 1990

ANALYTICAL CHEMISTS

May 16, 1990

Lab No. 30899-2
Acct No. 03-9254
Ryan Murphy, Inc.
5351 Lincoln
Denver, CO 80216

Sample Description: S. End of Tank
Sampled by: Rick Dow
Date Sampled: 05/03/90
Date Received: 05/08/90

HAZARDOUS WASTE CHARACTERIZATION
(TTLC)

Parameter	Test Results mg/kg	TTLC mg/kg	Detection Limit mg/kg	Parameter	Test Results mg/kg	TTLC mg/kg	Detection Limit mg/kg
Cadmium	ND	100	0.5	Zinc	ND	5,000	100
Chromium (Total)	52	2,500	50	Lead	266 *	1,000	4
Molybdenum	ND	3,500	100	Nickel	40	2,000	10

ND = Not detected at or above the concentration of the detection limit.

mg/kg = ppm

Exceed STLC - 5.0 PPM

Sincerely,

John F. Quinn

John F. Quinn, Ph.D.
Laboratory Director

JFQ: sjb

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FGL ENVIRONMENTAL

RECEIVED MAY 2 2 1990

ANALYTICAL CHEMISTS

May 16, 1990

Lab No. 30899-3
Acct No. 03-9254
Ryan Murphy, Inc.
5351 Lincoln
Denver, CO 80216

Sample Description: N. Wall of Exc
Sampled by: Rick Dow
Date Sampled: 05/03/90
Date Received: 05/08/90

HAZARDOUS WASTE CHARACTERIZATION
(TTLC)

Parameter	Test Results mg/kg	TTLC mg/kg	Detection Limit mg/kg	Parameter	Test Results mg/kg	TTLC mg/kg	Detection Limit mg/kg
Cadmium	ND	100	0.5	Zinc	ND	5,000	100
Chromium (Total)	60	2,500	50	Lead	135	1,000	4
Molybdenum	ND	3,500	100	Nickel	52	2,000	10

ND = Not detected at or above the concentration of the detection limit.

mg/kg = ppm

Exceed STLC of 5.0 ppm

Sincerely,

John F. Quinn

John F. Quinn, Ph.D.
Laboratory Director

JFQ: sjb

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BRANCH OFFICE & LABORATORY – 2500 STAGECOACH ROAD, STOCKTON, CALIFORNIA 95205, (209) 942-0181, FAX (209) 942-0423

ERM-West, Inc.

Suite 260 • 1777 Botelho Drive • Walnut Creek, California 94596-5042 • (415) 946-0455 • Telefax (415) 946-9968

90 AUG 17 AM 12:53

August 13, 1990

Mr. Larry Seto
Alameda County Health Agency
80 Swan Way, Room 200
Oakland, CA. 94621

SUBJECT: Firestone Tire and Rubber Company
Albany, CA. - Workplan

Dear Mr. Seto:

On behalf of Firestone Tire and Rubber Company and Ryan Murphy, Inc. , we are enclosing a workplan for the above subject project. After your review and approval, we will schedule and mobilize the drilling subcontractor to begin the site assessment tasks.

Please call if you have any questions or require further information.

Sincerely,

ERM-WEST

Dennis Miller

Dennis Miller
Principal Engineer

Enclosure

DGM/1099

cc: Pat Ryan, Ryan Murphy, Inc.

FIRESTONE TIRE AND RUBBER COMPANY
ALBANY, CALIFORNIA

SITE ASSESSMENT AND REMEDIATION WORKPLAN

On May 1, 1990 a 280 gallon waste oil tank was removed from the Firestone facility located at 969 San Pablo Blvd, Albany, California. A tank closure permit was issued by the Alameda County Department of Environmental Health, Hazardous Materials Division, to Ryan Murphy, Inc. prior to the tank removal.

Laboratory analysis of soils taken from the bottom of the tank excavation (from 5 to 7 feet below grade) at the time of removal are summarized in Table 1.

No water was reported in the excavation during the tank removal. However, conversations with an Alamedy County inspector noted that groundwater is reported to be about 10 feet below grade. This information was confirmed by Alameda County Flood Control. Monitoring wells at a Shell gas station (Marin and San Pablo Ave) just south and across San Pablo Blvd. from the site are reported with groundwater ranging from 7.5-8.0 and 6.0-6.5 feet below grade in February and April, 1990, respectively.

ASSESSMENT

The purpose of the site assessment work will be to determine the vertical and horizontal extent of contaminants, if any, in soil and groundwater. It is proposed to drill four borings to a minimum of 15 feet and convert the borings to groundwater monitoring wells. During the drilling work, soil samples will be retrieved at the following depths: 3, 7, 10, and 15 feet. The 10 foot depth sample is assumed to be at the soil/water interface.

Normal site assessment protocol will be used at the site. Health and safety considerations will follow Ryan Murphy's plan used during the tank removal work. The augers and equipment used for each boring will be decontaminated between borings. Each boring will be logged and soil cuttings will be retained for disposal with future excavated soils. Soil and groundwater samples will be preserved and transported to a California certified laboratory under chain-of-custody protocol. Monitoring wells will be appropriately screened and packed, and completed at the surface with a bentonite concrete surface seal and a well cover.

After installation of the monitoring wells, the wells will be developed and groundwater samples retrieved for analysis. After groundwater sampling, the wells will be allowed to stabilize and then levels in each well will be surveyed to establish, if possible, a site specific groundwater gradient.

Both soils and groundwater samples will be analyzed for the following constituents: TPH, BTX&E, and chlorinated hydrocarbons. This listing is based on the initial soil results reported in Table 1.

REMEDIATION

Because of the clayey fill in the area, it is assumed that the constituents detected in the soils have not spread laterally nor vertically to any great extent. Therefore, the proposed remediation alternative for this site is excavation of soils, once the site assessment work confirms the above assumptions.

Additionally, the monitoring wells will remain until Alameda County determines that the site is clean and the monitoring wells are no longer necessary.

For the excavation work, Firestone is proposing to perform the work as follows:

- EPA Generator Number: CAD 982005928
- Contractor: Ryan Murphy Inc., Corona, CA
  Contractors License: 516337(A, B, C61, D40, Hazardous)
- Site Sampling/Environmental overview: ERM-West, Walnut Creek, CA 94596
- Hazardous Waste Hauler: Dillard Trucking, Byron, CA 94514
- Disposal Site:
  Hazardous: GSX, 7004 Gas Company Rd., Taft, CA 93268
  Non-Haz: Gibson Oil, 3121 Standard St., Bakersfield, CA
- Certified Laboratory: Curtis and Thompkins, Berkeley, CA

After excavation of the soils, the side walls will be sampled and analyzed for the above noted constituents. Groundwater in the excavation, if present, will be pumped into a Baker tank for temporary storage and analysis. If hazardous, the water will be transferred and hauled off-site under a California hazardous waste manifest. If non-hazardous, consideration will be given to discharging the water into a local EBMUD sanitary sewer; but, only after permission is granted by the regulatory agencies.

SCHEDULE

The following schedule is based on time after approval of the workplan by Alameda County.

Task 1: Site Assessment: 7 weeks

3 week mobilization (depends on availability of driller)
1 week on-site
2 week sample analysis
1 week reporting

Task 2: Soil Excavation: 3 weeks

1 week mobilization
1 week excavation - assume 24-48 turnaround on soil/water analysis
1 week site finish

CLEAN-UP GOALS

Alameda County's clean-up goals are to have all laboratory analysis reported with non-detectable constituents. However, each site is handled on a case-by-case basis. It is expected that once the water and soil analysis have been reported, that future discussions will determine the site specific clean-up goals for this site.

TABLE 1
SOIL SAMPLING RESULTS

FIRESTONE TIRE AND RUBBER COMPANY
ALBANY, CA

CONSTITUENT (1)	CONCENTRATION, mg/kg Sample Location		
	N. End of Tank, 7' deep	S. End of Tank, 7' deep	N. Wall 5' deep
Hydrocarbons			
TPH (Diesel)	< 10	86	1070
Benzene	0.0161	0.150	2.3
Toluene	<0.005	0.770	4.46
Xylene	0.0051	8.59	16.9
Ethylbenzene	<0.005	0.820	3.25
Oil & Grease	40	2436	6548
Chorinated Compounds			
1,1 Dichlorethane	0.0156	0.0038	<0.0005
1,2 Dichloroethane	0.0007	<0.0005	<0.0005
Tetrachloroethylene	0.0012	1.83	7.23
1,1,1, Trichloroethane	<0.0005	0.9	4.3
Metals			
Cadium	<0.5	<0.5	<0.5
Chromium (Total)	<50	52	60
Molybdenum	<100	<100	<100
Zinc	<100	<100	<100
Lead	11	266	135
Nickel	42	40	52

STLC 5.0 TTLC 1,000
20 2,500

(1) Summarized on this Table are only the detected constituents. See laboratory data sheets for complete listing of analysis.

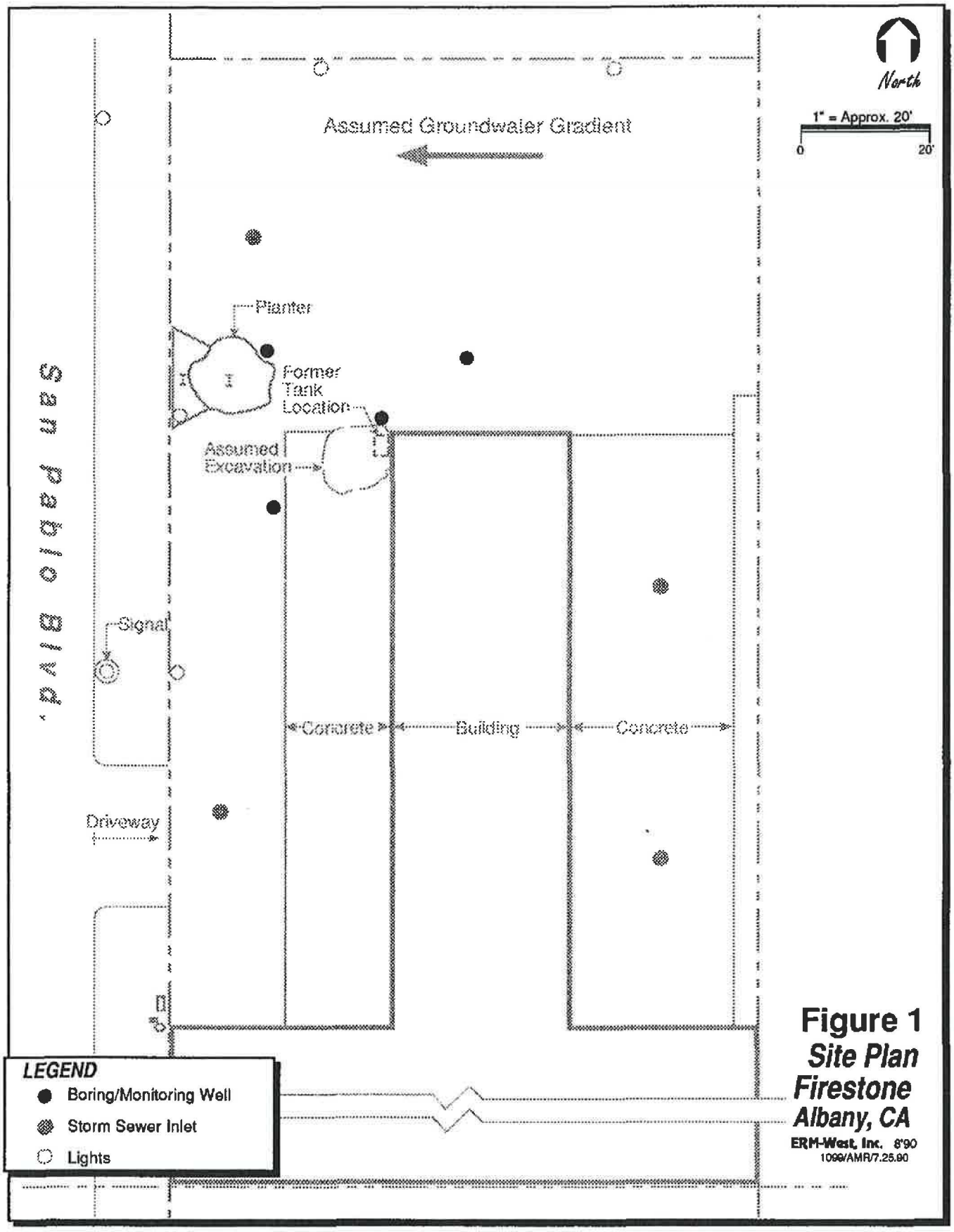

Figure 1
Site Plan
Firestone
Albany, CA
ERM-West, Inc. 8'90
1099/AMR/7.25.90