ExxonMobil
Environmental Services Company
4096 Piedmont Avenue #194
Oakland, California 94611
510.547.8196
510.547.8706 Fax
jennifer.c.sedlachek@exxonmobil.com

Jennifer C. Sedlachek
Project Manager

RECEIVED
By Alameda County Environmental Health 3:26 pm, Sep 29, 2017

ExxonMobil

September 28, 2017

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 report entitled ***Work Plan for Additional Soil Vapor Assessment and Response to Comments,*** dated September 28, 2017, for the above-referenced site. The report was prepared by Cardno of Petaluma, California, and details proposed activities related to the subject site.

I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to ACDEH's FTP server and the SWRCB's GeoTracker website.

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

Sincerely,

Jennifer C. Sedlachek
Project Manager

Attachment: Cardno's ***Work Plan for Additional Soil Vapor Assessment and Response to Comments,*** dated September 28, 2017

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. Charles Drexler, Esq.

w/o attachment
Mr. Scott Perkins, Cardno

September 28, 2017
Cardno 2735C.W08

Cardno

601 N. McDowell Boulevard
Petaluma, CA 94954
USA

Phone: +1 800 382 9105
Fax: +1 707 789 0414
Contractor: #997036

www.cardno.com

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

SUBJECT **Work Plan for Additional Soil Vapor Assessment and Response to Comments**
Former Exxon Service Station 79374
990 San Pablo Avenue, Albany, California

Alameda County Department of Environmental Health RO 2974

Ms. Sedlachek:

At the request of ExxonMobil Environmental Services (EMES), on behalf of Exxon Mobil Corporation, Cardno prepared this work plan for additional soil vapor assessment and response to comments in response to a directive from the Alameda County Department of Environmental Health (ACDEH) dated July 21, 2017 (Appendix A). The ACDEH issued the directive in response to Cardno's *Response to Request for Work Plan and Remedial Progress Report,* dated March 24, 2016, and *Semi-Annual Soil Vapor Assessment, Second Quarter 2017*, dated May 31, 2017 (Cardno 2016a; 2017).

Cardno proposes to install two shallow, sub-slab type soil vapor sampling wells into the sidewalk between well SVS8 and the site building. The wells will be installed just through the sidewalk and will be similar to sub-slab vapor wells. The purpose of the work is to further assess concentrations of fuel hydrocarbons and related constituents in soil vapor near the commercial building at the site and to evaluate potential risks to workers or patrons posed by the potential intrusion of soil vapor to indoor air. The intent is to take a stepped approach prior to potential sampling within the building.

In addition to the additional assessment, previously-proposed remediation activities are scheduled to begin within a matter of months. A power pole is tentatively scheduled for installation by the first week in October

2017. Following the power pole installation it is expected to take approximately two weeks for Pacific Gas and Electric (PG&E) to connect the overhead wires and an additional two weeks for PG&E to install a meter providing electrical service. At this time, it appears that remediation activities will likely commence in approximately mid-November.

RESPONSE TO COMMENTS

ACDEH's correspondence requested a vapor intrusion work plan (Appendix A). A work plan for additional soil vapor assessment is included in this document as well as responses to some of the ACDEH's comments. ACDEH's comments are paraphrased in bold face type followed by Cardno's response.

Elevated vapor concentrations at [well SVS8], located proximal to groundwater monitoring well MW-1, with non-detectable concentrations at standard reporting limits or very low volatile hydrocarbon concentrations, and is problematic. The disjunction between vapor data and groundwater data can be suggestive of undiscovered sources.

Well SVS8 is located within approximately 20 feet of the former USTs. Maximum fuel hydrocarbon concentrations in soil have been reported in the former UST area. It is likely that the concentrations near the former USTs, rather than dissolved-phase concentrations in well MW1, are the source of the vapor-phase concentrations in well SVS8. The hydraulic gradient will control the distribution of dissolved-phase concentrations, while vapor-phase concentrations may travel in all directions from the source.

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.

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. 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.

In 1945, a service station owned by Signal Oil Company occupied the site (EDR, 2009a). Humble Oil company acquired the site in approximately 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).

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 site is located approximately 1,630 feet north-northwest of Cordornices Creek and approximately 1½ miles southwest of the active northwest trending Hayward fault.

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.

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 (EC&A, 2008; Cardno ERI, 2011; Cardno ERI, 2012a). Fill material was encountered in the boring for well SVE3 (located in the former UST pit) to approximately 7 feet bgs. CPT soil borings indicate the presence of predominantly silt and clay between approximately 20 and 60 feet bgs, the maximum depth explored.

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.

PREVIOUS WORK

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

through 3C. Cumulative soil vapor analytical results are summarized in Tables 4A and 4B and select recent (April 2017) results are illustrated on Plate 3.

Fueling System Activities

In 1983, 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).

Site Assessment Activities

Six exploratory borings (B1 through B6) were advanced on site in 2008. Maximum residual concentrations of TPHg, TPHd, and benzene were reported in the soil samples collected at 10.5 feet bgs from borings B1 and B2, located near the former USTs. Maximum dissolved-phase TPHg, TPHd, and benzene concentrations were also reported in the samples collected from soil borings B1 and B2, and the laboratory reported an immiscible sheen in the samples (EC&A, 2008).

Monitoring wells MW1 through MW6 and borings CPT1/HP1 and CPT2/HP2 were installed on site in 2010. Maximum residual concentrations of TPHg and TPHd in soil were reported in samples collected at 10.5 feet bgs from borings MW3 and MW5, located west of the former USTs. Dissolved-phase hydrocarbons were adequately delineated vertically 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).

In January 2012, Cardno ERI installed SVE wells SVE1 through SVE3, AS well AS1, and monitoring well MW3A to be used during feasibility testing (Cardno ERI, 2012a).

In February and March 2014, Cardno ERI installed soil vapor sampling (SVS) wells SVS1 through SVS3 at the site and advanced on-site and off-site borings B7 through B17 (Cardno ERI, 2014).

In December 2014, Cardno ERI installed off-site monitoring wells MW7 and MW8 to evaluate the lateral extent of dissolved-phase hydrocarbons (Cardno ERI, 2015a). In October 2015, off-site well MW9 and off-site boring B18 were installed along with on-site wells SVE4 through SVE7 (Cardno, 2015a).

Remediation Activities

According to City of Albany Building Permit 82-0708, the USTs were removed and the resulting excavation backfilled in 1983 (City of Albany, 1983). It is unknown if over-excavation was performed during UST removal.

Between January 31 and February 1, 2012, Cardno ERI conducted three 4-hour feasibility tests: a DPE only test, a combined AS and DPE test, and an AS only test. Approximately 93 pounds of TPHg and 0.09 pound of benzene were removed during feasibility testing (Cardno ERI, 2012b).

In February 2015, Cardno ERI submitted the *Feasibility Study/Corrective Action Plan* to the ACDEH (Cardno ERI, 2015b). Cardno ERI recommended conducting DPE HIT events at the site to remediate hydrocarbon concentrations in soil, soil vapor, and groundwater, and installing four extraction wells along the north and west sides of the site and monitoring wells off site to the southwest (Cardno ERI, 2015b).

Between October 21 and 29, 2015, Cardno conducted a HIT event at the site using a mobile SVS system. Approximately 75 pounds of TPHg and 0.09 pound of benzene were removed during approximately 40 hours of operation (Cardno, 2015b).

In March 2017, a site-specific discharge permit was issued by the Bay Area Air Quality Management District. A HIT event will be scheduled as soon as power is acquired from PG&E (approximately mid-November).

Groundwater Monitoring Activities

Groundwater monitoring began at the site in 2010 following the installation of wells MW1 through MW6. Maximum concentrations in groundwater are present in wells MW3 and MW4, located west of the former USTs. In 2008, the laboratory reported an immiscible sheen in the samples collected from soil borings B1 and B2 (EC&A, 2008). Neither NAPL nor sheen have been observed in the groundwater monitoring wells at the site.

Soil Vapor Monitoring Activities

Soil vapor monitoring began at the site in 2014 with the installation of wells SVS1 through SVS3, screened from 5.4 to 5.6 feet bgs (Cardno ERI, 2014). Shallow wells SVS4 through SVS8, screened from 2.1 to 2.3 feet bgs, were installed in 2016 (Cardno, 2016b).

Sampling results indicate that maximum concentrations are present in the deeper wells with concentrations of TPHg and benzene exceeding screening levels. Concentrations in the shallow wells are one to three orders of magnitude lower than the deeper wells. The attenuation shown between approximately 5.5 and 2.2 feet indicate that concentrations decrease to below screening levels prior to reaching the building slabs (Cardno, 2016b).

PROPOSED WORK

Cardno proposes to advance two sub-slab wells (SS1 and SS2) 1 to 2 inches into the sub-slab material underlying the sidewalk adjacent to the site building. Based on conditions encountered when drilling through this sidewalk during the installation of well SVS6, the top 5 inches of material are expected to be concrete with an underlying gravel layer. The proposed sub-slab well locations were selected to assess soil vapor conditions beneath the sidewalk between the location of well SVS8 and the site building. During the most recent sampling event (April 2017,) concentrations in well MW8 increased to exceed ESLs. Well SVS8 is screened at approximately 2 feet bgs near the site building. The proposed locations are approximate and may be moved based on subsurface obstructions. A utility location map is included as Plate 4. The proposed locations of the sub-slab wells are shown on Plate 5.

Cardno will perform the soil vapor assessment survey in accordance with the protocol presented in the following guidance documentation:

- *Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air* (DTSC, 2011).
- *Advisory – Active Soil Gas Investigations* (DTSC, 2015).
- *Collecting and Interpreting Soil Gas-Samples from the Vadose Zone, A Practical Strategy for Assessing the Subsurface Vapor-to-Indoor Air Migration Pathway of Petroleum Hydrocarbon (API, 2005).*
- *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* (CRWQCB-SFB, 2016).

Additionally, the fieldwork will be conducted under the advisement of a professional geologist and in accordance with applicable regulatory guidelines.

Pre-Field Activities

Permits are not required for the proposed sub-slab wells. Underground Service Alert and the ACDEH will be notified at least 48 hours prior to the onset of field activities.

Selection of Sub-Slab Well Locations and Utility Clearance

Cardno personnel will visit the site to check for obstructions and to mark the proposed locations. Prior to conducting invasive work, Cardno will obtain the services of a licensed underground utility locator to identify potential underground utilities or other obstructions in the proposed well locations. Sub-slab well locations may be adjusted based on subsurface installations.

Sub-Slab Well Installation

Cardno will install Vapor Pin™ devices distributed by Cox-Colvin & Associates, Inc. (Cox-Colvin) in the sub-slab wells. Cardno will follow the standard operating procedures established by Cox-Colvin. These procedures and additional information for the devices are included in Appendix B. The procedures for drilling, decontamination, and well construction are described in the field protocol contained in Appendix B.

Sub-Slab Vapor Sample Collection

Wells SS1 and SS2 will be purged and sampled following a waiting period of at least 48 hours after installation. The purge volume will be calculated based on the volume of each sub-slab well and the sample collection tubing. One purge volume will be removed from each well prior to sampling.

Prior to purging each sub-slab well, Cardno will conduct a vacuum leak test on the sampling equipment. For the leak test, Cardno will attach the sample vessel, purging manifold, and vacuum pump to an air-tight valve on the sub-slab well. With the air-tight valve closed, Cardno will apply a vacuum of approximately 25 to 28 inches of mercury (in Hg) to the sample collection system and turn off the vacuum pump. Cardno will then monitor the vacuum for 5 minutes. If the vacuum is not maintained, Cardno will isolate the leak and remount the fittings and tubing until the vacuum is held for 5 minutes.

Purging will be performed with a sample manifold equipped with a vacuum gauge and flow regulator and vacuum pump. The flow regulator will be set to a rate of no more than 200 milliliters per minute (ml/min).
After purging, Cardno will close the vapor-tight valve and remove the purge device. One-liter Summa™ canisters with a 200 ml/min flow regulator will be used to collect the samples. The Summa™ canister will be opened and allowed to fill. The canister vacuum readings at the beginning and end of sampling will be recorded. Leak detection will be performed during vapor sampling by covering the surface completion of the well and the Summa™ canister with a shroud, and introducing helium into the shroud. The concentration of helium will be maintained at approximately 10%; the helium concentration in the shroud will be monitored with a helium meter. Cardno will end sample collection when the vacuum within the sample canister is approximately 5 in Hg. Cardno will label the sample containers, store the samples at ambient temperature in laboratory-supplied containers, and initiate COC records.

One duplicate sample will be collected. In addition, a trip blank supplied by the laboratory will be stored with the sample containers during sampling and transport. Both these samples will be analyzed in the same manner as the sub-slab vapor samples.

Laboratory Analyses

The sub-slab soil vapor samples will be submitted for analysis to a California state-certified laboratory, under COC protocol. The samples will be analyzed for full-scan VOCs (including but not limited to BTEX, fuel oxygenates, lead scavengers, and naphthalene) using EPA Method TO-15M, TPHg using EPA Method TO-3M, TPHd using EPA Method TO-17, methane using EPA Method 8015M, oxygen and carbon dioxide using American Society of Testing and Materials (ASTM) Method D-1946; and helium using ASTM Method D-1946 (M).

Site Safety Plan

Fieldwork will be performed in accordance with a site-specific safety plan.

RISK EVALUATION

Cardno will assess potential risk from vapor intrusion by comparing the reported vapor concentrations to ESLs established by the California Regional Water Quality Control Board, San Francisco Bay Region (CRWQCB-SFB, 2016). If the published screening levels indicate a potential risk, risk modelling may be performed using the Johnson and Ettinger Model, as modified by the DTSC in December 2014 (DTSC, 2014).

SCHEDULE

Cardno anticipates initiating the permitting process following approval of this work plan.

CONTACT INFORMATION

The responsible party contact is Ms. Jennifer C. Sedlachek, ExxonMobil Environmental Services Company, 4096 Piedmont Avenue #194, Oakland, California, 94611. The consultant contact is Mr. Scott Perkins, Cardno, 601 North McDowell Boulevard, Petaluma, California, 94954. The agency contact is Mr. Mark Detterman, Alameda County Health Care Services Agency, Environmental Health Services, 1131 Harbor Bay Parkway, Suite 250, Alameda, California, 94502-6577.

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 any questions or comments regarding this work plan.

Sincerely,

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

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

Enclosures:

References

Acronym List

Plate 1	Site Vicinity Map
Plate 2	Generalized Site Plan
Plate 3	Select Soil Vapor Analytical Results
Plate 4	Utility Location Map
Plate 5	Generalized Site Plan Showing Proposed Well Locations

Table 1A	Cumulative Groundwater Monitoring and Sampling Data
Table 1B	Additional Cumulative Groundwater Monitoring and Sampling Data
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 – VOCs and SVOCs
Table 3C	Additional Cumulative Soil Analytical Results – PAHs
Table 4A	Cumulative Soil Vapor Analytical Results
Table 4B	Additional Cumulative Soil Vapor Analytical Results – VOCs

Appendix A	Correspondence
Appendix B	Field Protocols

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, #406, Albany, California, 94706

Reverend Deborah Blank, Trustee, The Blank Family Trusts, 1563 Solano Avenue, #344, Berkeley, California, 94707

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

Mr. Charles Drexler, Esq., 1724 Mandela Parkway, Suite 1, Oakland, California, 94607

REFERENCES

American Petroleum Institute (API). November 2005. *Collecting and Interpreting Soil Gas Samples from the Vadose Zone, A Practical Strategy for Assessing the Subsurface Vapor-to-Indoor Air Migration Pathway for Petroleum Hydrocarbon Sites*. Publication Number 4741.

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.*

California Regional Water Quality Control Board, San Francisco Bay Region (CRWQCB-SFB). February 2016. *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater.*

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

California Department of Toxic Substances Control (DTSC). December 2014. *Screening-Level Model for Soil Gas Contamination*.

California Department of Toxic Substances Control of the California EPA, Department of Toxic Substances Control, California Regional Water Quality Control Board, Los Angeles Region and San Francisco Region (DTSC). July 2015. *Advisory – Active Soil Gas Investigations*.

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

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

Cardno. March 24, 2016a. *Response to Request for Work Plan and Remedial Progress Report, 990 San Pablo Avenue, Albany, California, Alameda County Department of Environmental Health RO 0002974.*

Cardno. October 27, 2016b. *Soil Vapor Assessment, Former Exxon Service Station 79374, 990 San Pablo Avenue, Albany, California, Alameda County #RO00002974.*

Cardno May 31, 2017. *Semi-Annual Soil Vapor Assessment, Second Quarter 2017, Former Exxon Service Station 79374, 990 San Pablo Avenue, Albany, California, Alameda County #RO00002974.*

Cardno ERI. February 28, 2011. *Site Assessment Report, Former Exxon Service Station 79374, 990 San Pablo Avenue, Albany, California, Alameda County #RO00002974.*

Cardno ERI. April 12, 2012a. *Well Installation Report, Former Exxon Service Station 79374, 990 San Pablo Avenue, Albany, California, Alameda County #RO00002974.*

Cardno ERI. April 12, 2012b. *Air Sparge and Dual-Phase Extraction and Feasibility Testing, 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.*

Cardno ERI. January 22, 2015a. *Well Installation Report, Former Exxon Service Station 79374, 990 San Pablo Avenue, Albany, California, Alameda County #RO00002974.*

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

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 94706. EC&A Project No 0589,002.07.*

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.*

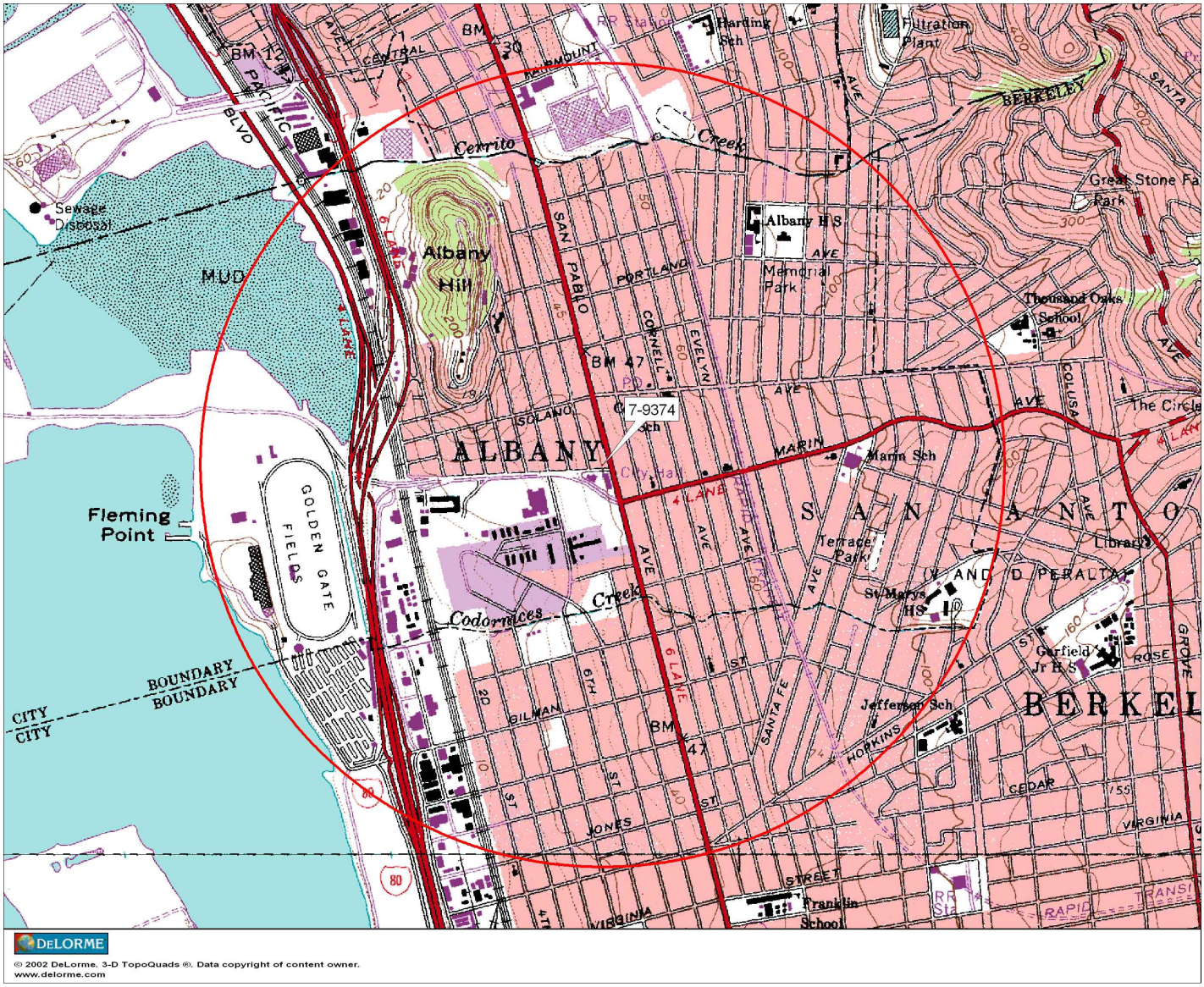
Graymer, R.W. 2000. *Geologic map and map database of the Oakland metropolitan area, Alameda, Contra Costa, and San Francisco Counties, California. USGS, Miscellaneous Field Studies MF-2342.*

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

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

ACRONYM LIST

µg/L	Micrograms per liter
µg/m^3	Micrograms per cubic meter
µs	Microsiemens
1,2-DCA	1,2-dichloroethane
acfm	Actual cubic feet per minute
AS	Air sparge
AST	Aboveground storage tank
bgs	Below ground surface
BTEX	Benzene, toluene, ethylbenzene, and total xylenes
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
HIT	High-intensity targeted
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 and Instrumentation Diagram
PAH	Polycyclic aromatic (or polyaromatic) 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
TPH	Total petroleum hydrocarbons
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

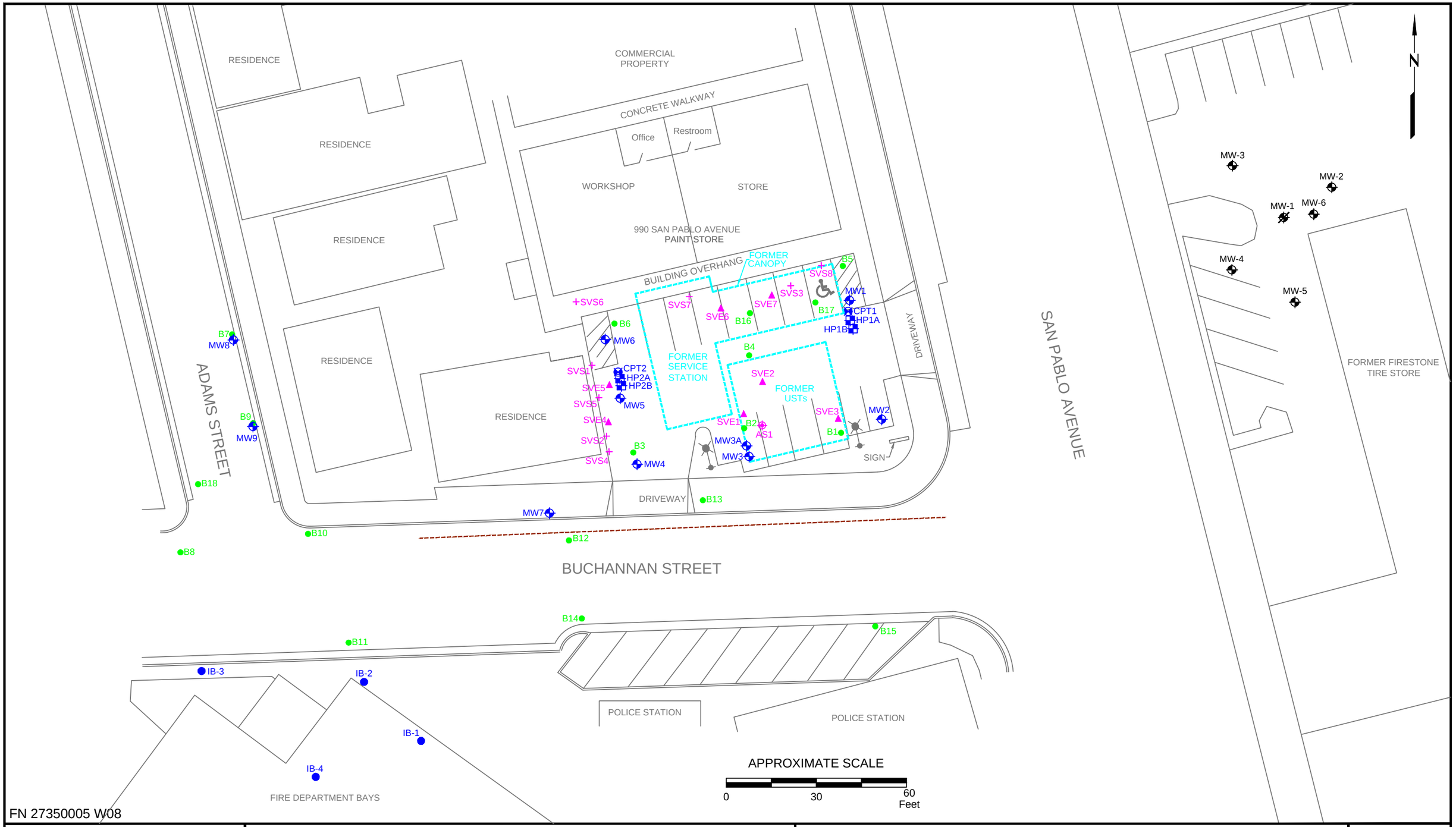
SITE VICINITY MAP

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

Cardno
Shaping the Future

PROJECT NO.
2735

PLATE
1



FN 27350005 W08

Cardno
Shaping the Future

GENERALIZED 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
- SVS8 — Soil Vapor Sampling Well

PROJECT NO. 2735

PLATE 2

Analyte Concentrations in ug/m3

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

<	Less than the Stated Laboratory Reporting Limit
ug/m3	Micrograms per cubic meter
NA	Not analyzed
d	Reporting limits elevated due to high level of non-target analytes.
e	Concentration exceeds the calibration range.
f	Leak detection compound reported. Concentration may have a low bias.
g	TPHg, MTBE, BTEX, and VOCs analyzed using EPA Method 8260.
i	Well not sampled due to saturated conditions.
j	Well not sampled due to tight and possibly saturated conditions.

04/05/17	
5.5 FT.	DUP.
760,000e,g	NA
26,000,000g	23,000,000g
12,000g	11,000g

04/05/17
2.2 FT.
250,000e,g
15,000,000g
<2,000d,g

04/05/17
2.2 FT.
<5,000f
130,000f
18f

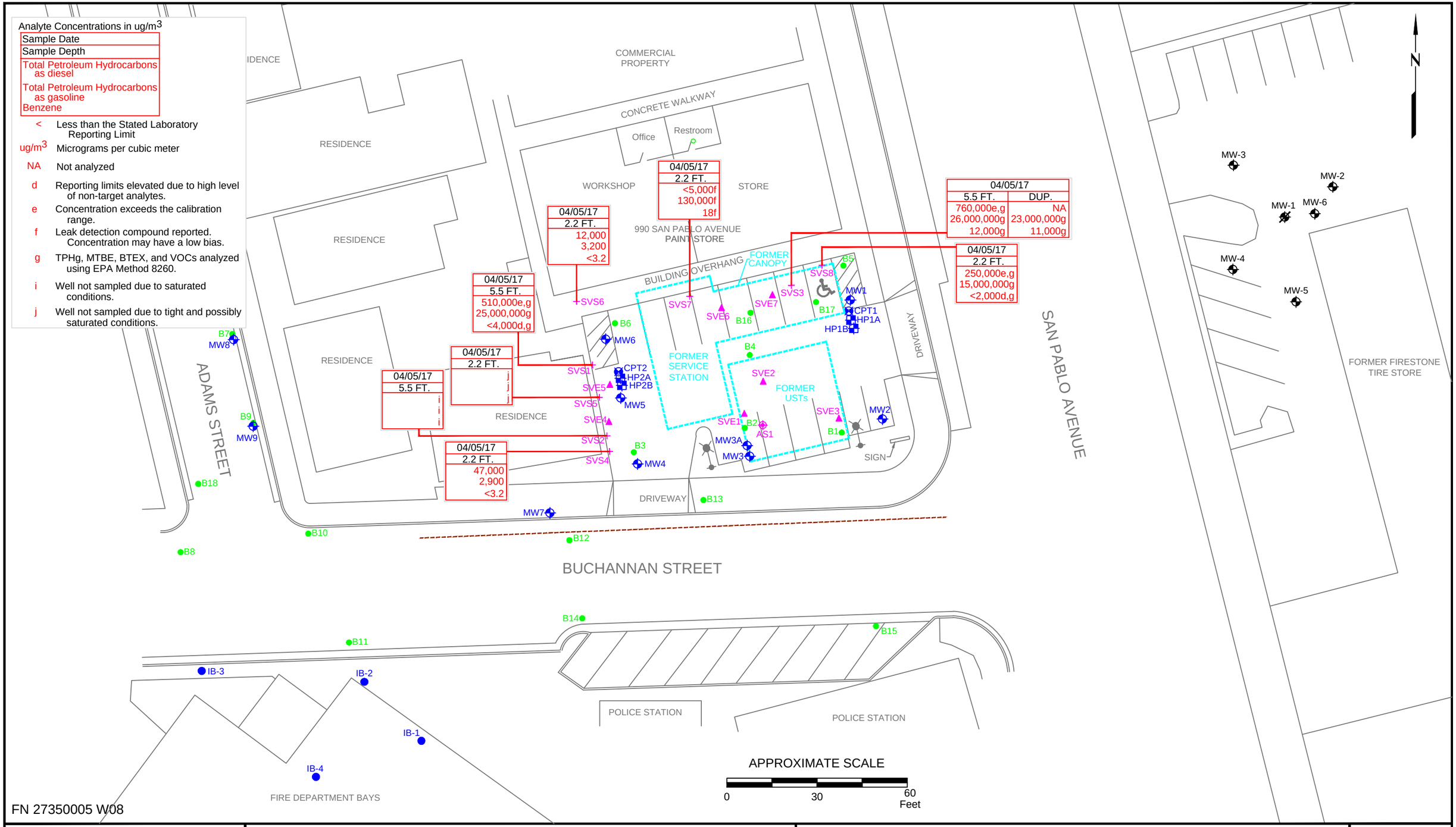
04/05/17
2.2 FT.
12,000
3,200
<3.2

04/05/17
5.5 FT.
510,000e,g
25,000,000g
<4,000d,g

04/05/17
2.2 FT.
j
j
j

04/05/17
5.5 FT.
i
i
i

04/05/17
2.2 FT.
47,000
2,900
<3.2



FN 27350005 W08

Cardno
Shaping the Future

SELECT SOIL VAPOR ANALYTICAL RESULTS

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

EXPLANATION

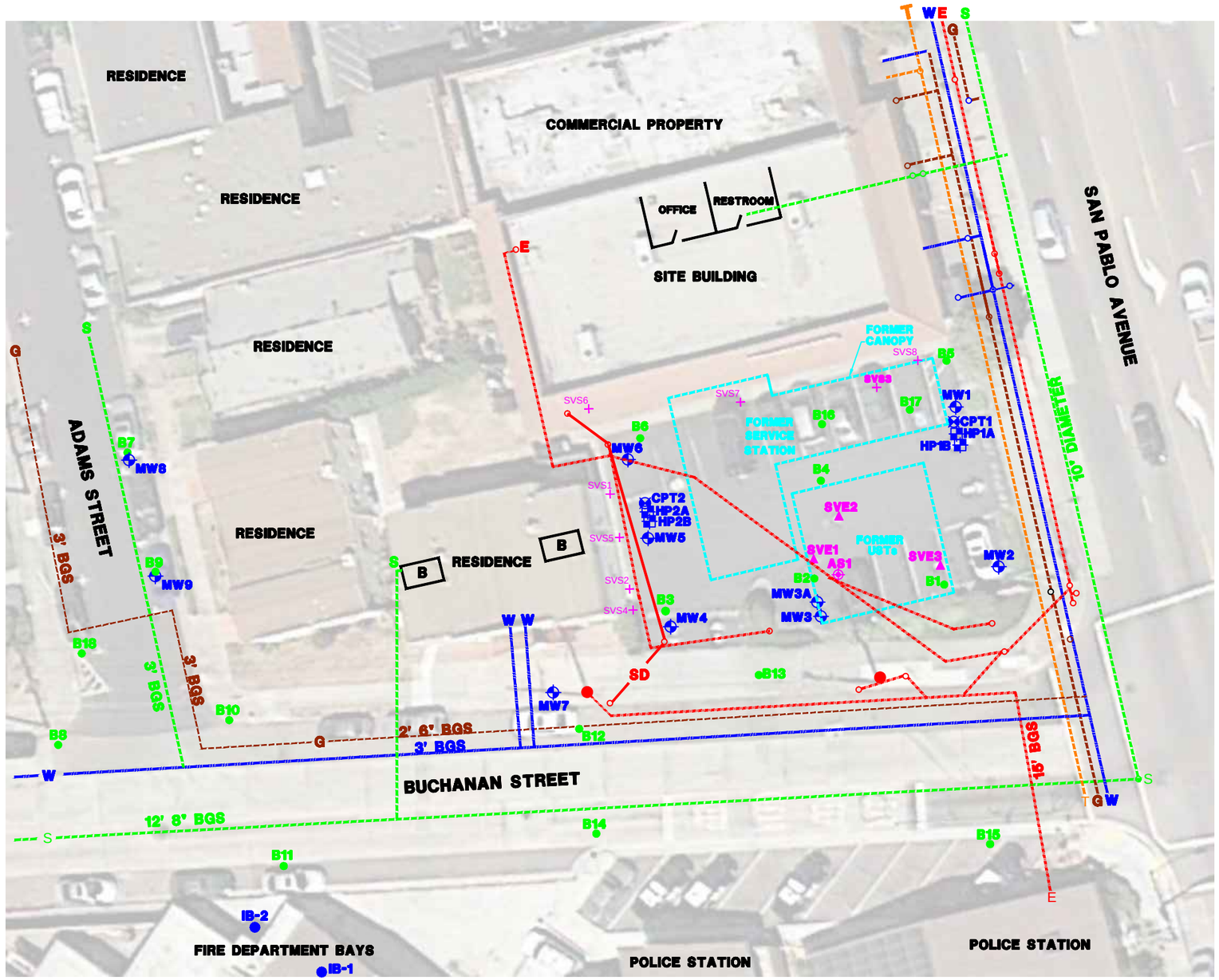
- MW9 — Groundwater Monitoring Well
- MW-6 — Groundwater Monitoring Well for Firestone
- MW-1 — Destroyed Groundwater Monitoring Well for Firestone
- HP2B — Hydropunch Boring
- CPT2 — Cone Penetration Test Boring
- IB-4 — Soil Boring by Other Consultant for City of Albany
- B18 — Soil Boring
- AS1 — Air Sparge Well
- SVE7 — Soil Vapor Extraction Well
- SVS8 — Soil Vapor Sampling Well

PROJECT NO. 2735

PLATE 3

UTILITIES LEGEND

- TELEPHONE
- ELECTRICAL
- WATER
- GAS
- SEWER
- STORM DRAIN
- POWER POLE
- B — BATHROOM



APPROXIMATE SCALE

0 30 60 Feet

FN 2735 GSP AERIAL _SP W08

Cardno Shaping the Future

UTILITY LOCATION MAP

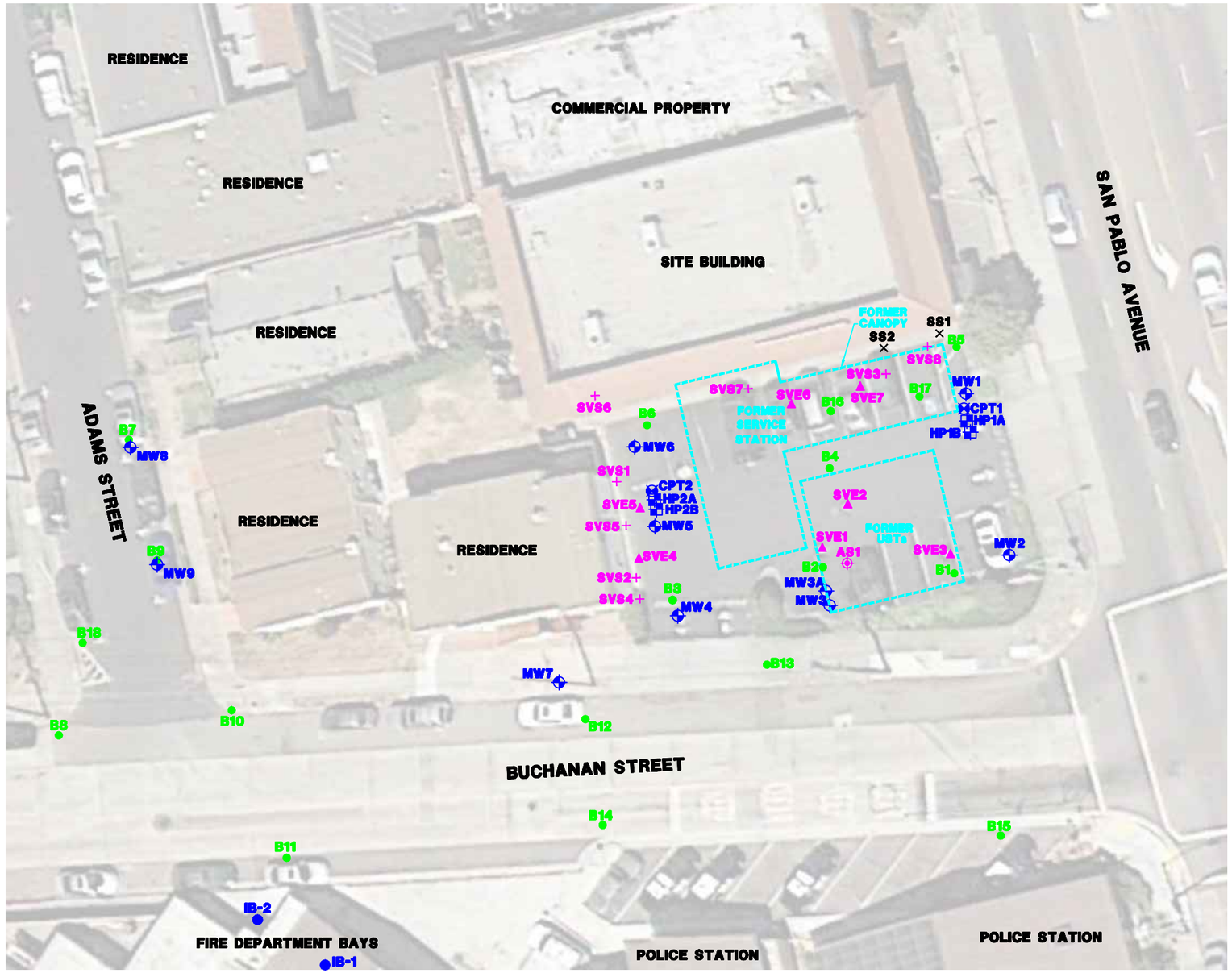
FORMER EXXON SERVICE STATION 79374
990 San Pablo Avenue
Albany, California

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
- SVS8 — Soil Vapor Sampling Well
- AS1 — Air Sparge Well
- SVE3 — Soil Vapor Extraction Well

PROJECT NO. 2735

PLATE 4



APPROXIMATE SCALE

0 30 60 Feet

FN 2735 GSP AERIAL _SP W08

Cardno
Shaping the Future

GENERALIZED SITE PLAN
SHOWING PROPOSED WELL LOCATIONS

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
- SVS8 — Soil Vapor Sampling Well
- AS1 — Air Sparge Well
- SVE7 — Soil Vapor Extraction Well
- SS2 — Proposed Sub-Slab Sampling 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
MW1	05/02/16	---	44.19	11.14	33.05	No	---	320a	210a	<50	<2.0	<2.0	<2.0	<2.0	<2.0
MW1	10/07/16	---	44.19	10.65	33.54	No	---	<250	<50	<50	<1.0n	<1.0n	<1.0n	<1.0n	<1.0n
MW1	**05/26/17**	**---**	**44.19**	**9.28**	**34.91**	**No**	**---**	**<230**	**93a**	**94a**	**<0.50**	**1.3**	**<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
MW2	05/02/16	---	43.99	10.02	33.97	No	---	290a	180a	<50	<1.0	<1.0	<1.0	<1.0	<1.0

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)
MW2	10/07/16	---	43.99	10.91	33.08	No	---	<250	<50	<50	<1.0n	<1.0n	<1.0n	<1.0n	<1.0n
MW2	**05/26/17**	**---**	**43.99**	**9.61**	**34.38**	**No**	**---**	**<230**	**<45**	**<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
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
MW3	05/02/16	---	43.16	7.09	36.07	No	---	350a	3,400a	16,000a	<5.0	310	110	1,000	150
MW3	10/07/16	---	43.16	10.13	33.03	No	---	<250	3,200a	14,000a	<10	270	100	390	89
MW3	**05/26/17**	**---**	**43.16**	**8.06**	**35.10**	**No**	**---**	**<230**	**2,700a**	**1,000a**	**<10**	**370**	**110**	**530**	**98**
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
MW3A	05/02/16	---	43.42	7.72	35.70	No	---	270a	200a	92a	<0.50	1.7	<0.50	1.5	<0.50
MW3A	10/07/16	---	43.42	10.31	33.11	No	---	<250	110a	520a	<0.50	26	2.9	1.1	1.1
MW3A	**05/26/17**	**---**	**43.42**	**7.96**	**35.46**	**No**	**---**	**<230**	**<45**	**<50**	**<0.50**	**0.92**	**<0.50**	**0.72**	**<0.50**
MW4	11/05/10	---	Well installed.												

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	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
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
MW4	05/02/16	---	42.04	6.31	35.73	No	---	1,900a	14,000a	13,000a	<5.0	530	40	250	220
MW4	10/07/16	---	42.04	9.53	32.51	No	---	<250	3,700a	7,000a	<10	300	27	140	120
MW4	**05/26/17**	**---**	**42.04**	**6.85**	**35.19**	**No**	**---**	**<230**	**3,400a**	**9,600a**	**<5.0**	**510**	**33**	**190**	**85**
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
MW5	05/02/16	---	43.12	7.42	35.70	No	---	360a	3,000a	15,000	<20	110	<20	470	200

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)
MW5	10/07/16	---	43.12	10.51	32.61	No	---	830a	7,400a	12,000a	<10	330	<10	480	58
MW5	**05/26/17**	**---**	**43.12**	**7.77**	**35.35**	**No**	**---**	**720a**	**3,800a**	**820a**	**<4.0**	**100**	**<4.0**	**160**	**29**
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
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
MW6	05/02/16	---	43.80	7.75	36.05	No	---	<230	790a	1,800a	<0.50	17	0.91	10	4.7
MW6	10/07/16	---	43.80	11.20	32.60	No	---	<250	180a	500a	<0.50	0.67	<0.50	<0.50	<0.50
MW6	**05/26/17**	**---**	**43.80**	**8.52**	**35.28**	**No**	**---**	**<230**	**730a**	**510a**	**<0.50**	**3.1**	**0.64**	**3.0**	**2.7**
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
MW7	05/02/16	---	41.21	7.31	33.90	No	---	1,700a	8,100a	9,000a	<5.0	100	8.1	19	11
MW7	10/07/16	---	41.21	9.52	31.69	No	---	<250	2,200a	5,600a	<4.0	140	5.7	5.7	9.0
MW7	**05/26/17**	**---**	**41.21**	**7.11**	**34.10**	**No**	**---**	**570a**	**7,800a**	**980a**	**<2.5**	**200**	**11**	**23**	**17**
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
MW8	05/02/16	---	39.65	5.01	34.64	No	---	280a	180a	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW8	10/07/16	---	39.65	7.06	32.59	No	---	<250	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW8	**05/26/17**	**---**	**39.65**	**5.80**	**33.85**	**No**	**---**	**<230**	**<45**	**<50**	**<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

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)
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
MW9	05/02/16	---	39.50	5.12	34.38	No	---	<230	150a	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW9	10/07/16	---	39.50	8.03	31.47	No	---	<250	<50	120a	<0.50	<0.50	<0.50	<0.50	<0.50
MW9	**05/26/17**	**---**	**39.50**	**6.10**	**33.40**	**No**	**---**	**<230**	**260a**	**58a**	**<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	---	---	---	---	---	---	---	---	---
AS1	05/02/16	---	---	8.16	---	No	---	---	---	---	---	---	---	---	---
AS1	10/07/16	---	---	10.20	---	No	---	---	---	---	---	---	---	---	---
AS1	**05/26/17**	**---**	**---**	**8.04**	**---**	**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	---	---	---	---	---	---	---	---	---
SVE1	05/02/16	---	43.32	7.87	35.45	No	---	---	---	---	---	---	---	---	---
SVE1	10/07/16	---	43.32	10.06	33.26	No	---	---	---	---	---	---	---	---	---
SVE1	**05/26/17**	**---**	**43.32**	**7.79**	**35.53**	**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	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---

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	05/02/16	---	43.68	8.26	35.42	No	---	---	---	---	---	---	---	---	---
SVE2	10/07/16	---	43.68	10.36	33.32	No	---	---	---	---	---	---	---	---	---
SVE2	**05/26/17**	**---**	**43.68**	**8.24**	**35.44**	**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	---	---	---	---	---	---	---	---	---
SVE3	05/02/16	---	43.67	7.84	35.83	No	---	---	---	---	---	---	---	---	---
SVE3	10/07/16	---	43.67	10.25	33.42	No	---	---	---	---	---	---	---	---	---
SVE3	**05/26/17**	**---**	**43.67**	**7.84**	**35.83**	**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	---	---	---	---	---	---	---	---	---
SVE4	05/02/16	---	43.10	7.71	35.39	No	---	---	---	---	---	---	---	---	---
SVE4	10/07/16	- Present	43.10	Well not gauged or sampled.											
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	---	---	---	---	---	---	---	---	---
SVE5	05/02/16	---	43.70	7.33	36.37	No	---	---	---	---	---	---	---	---	---
SVE5	10/07/16	- Present	43.70	Well not gauged or sampled.											
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	---	---	---	---	---	---	---	---	---
SVE6	05/02/16	---	44.37	8.14	36.23	No	---	---	---	---	---	---	---	---	---
SVE6	10/07/16	- Present	44.37	Well not gauged or sampled.											
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	---	---	---	---	---	---	---	---	---
SVE7	05/02/16	---	44.48	9.04	35.44	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)
SVE7	10/07/16 - Present		44.48	Well not gauged or sampled.											
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
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	<0.50	<0.50	<0.50	1.9	<0.50
W-10-B13	02/28/14	10	---	---	---	---	---	<250	1,500a	6,300	<5.0	12	8.8	290	22
B14	03/05/14 b	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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)
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

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 naphthalene (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).
n = Reporting limits elevated due to high level of non-target analytes.

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
MW1	05/02/16	---	<2.0	<2.0	<2.0	<20	<2.0	<2.0	82	9.2	<4.0	<40	<20	<2.0	<2.0	<4.0	<2.0	<2.0
MW1	10/07/16 n		<1.0	<1.0	<1.0	<10	<1.0	<1.0	57	8.0	<2.0	<20	<10	<1.0	<1.0	<2.0	<1.0	<1.0
MW1	**05/26/17**	**---**	**<0.50**	**<0.50**	**<0.50**	**6.2**	**<0.50**	**<0.50**	**15**	**4.0**	**<1.0**	**<10**	**<5.0**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**2.1**
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
MW2	05/02/16	---	<1.0	<1.0	<1.0	<10	<1.0	<1.0	49	5.4	<2.0	<20	<10	<1.0	<1.0	<2.0	<1.0	<1.0
MW2	10/07/16 n		<1.0	<1.0	<1.0	<10	<1.0	<1.0	58	6.5	<2.0	<20	<10	<1.0	<1.0	<2.0	<1.0	<1.0
MW2	**05/26/17**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**24**	**3.1**	**<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	---	---	---	---	---	---	---	---	---	---

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	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	---	---	---	---	---	---	---	---	---	---
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
MW3	05/02/16	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	250	<100	<50	<5.0	<5.0	<10	28	17
MW3	10/07/16	---	<10	<10	<10	<100	<10	<10	<10	<10	140	<200	<100	<10	<10	<20	22	14
MW3	**05/26/17**	**---**	**<10**	**<10**	**<10**	**<100**	**<10**	**<10**	**<10**	**<10**	**170**	**220**	**<100**	**<10**	**<10**	**<20**	**19**	**13**
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
MW3A	05/02/16	---	<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
MW3A	10/07/16	---	<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	1.7	2.3
MW3A	**05/26/17**	**---**	**<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**
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

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)
MW4	05/02/16	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	160	<100	<50	<5.0	<5.0	<10	88	25
MW4	10/07/16	---	<10	<10	<10	<100	<10	<10	<10	<10	86	<200	<100	<10	<10	<20	42	17
MW4	**05/26/17**	**---**	**<5.0**	**<5.0**	**<5.0**	**<50**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**160**	**120**	**<50**	**<5.0**	**<5.0**	**<10**	**89**	**28**
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	---	---	---	---	---	---	---	---	---	---
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
MW5	05/02/16	---	<20	<20	<20	<200	<20	<20	<20	<20	150	<400	<200	<20	<20	<40	300	98
MW5	10/07/16	---	<10	<10	<10	<100	<10	<10	<10	<10	240	<200	<100	<10	<10	<20	160	58
MW5	**05/26/17**	**---**	**<4.0**	**<4.0**	**<4.0**	**<40**	**<4.0**	**<4.0**	**<4.0**	**<4.0**	**50**	**<80**	**<40**	**<4.0**	**<4.0**	**<8.0**	**60**	**26**
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
MW6	05/02/16	---	<0.50	<0.50	<0.50	5.5	<0.50	<0.50	<0.50	<0.50	22	<10	<5.0	<0.50	<0.50	<1.0	13	7.8
MW6	10/07/16	---	<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	0.61	0.60
MW6	**05/26/17**	**---**	**<0.50**	**<0.50**	**<0.50**	**5.5**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**14**	**<10**	**<5.0**	**<0.50**	**<0.50**	**<1.0**	**11**	**6.7**
MW7	12/08/14	---	Well installed.															
MW7	12/30/14	---	<5.0	<5.0	<5.0	<50	<5.0	13	---	---	---	---	---	---	---	---	---	---

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)
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
MW7	05/02/16	---	<5.0	<5.0	<5.0	<50	<5.0	15	<5.0	<5.0	84	<100	<50	<5.0	<5.0	<10	72	33
MW7	10/07/16	---	<4.0	<4.0	<4.0	<40	<4.0	18	<4.0	<4.0	52	<80	<40	<4.0	<4.0	<8.0	39	18
MW7	**05/26/17**	**---**	**<2.5**	**<2.5**	**<2.5**	**<25**	**<2.5**	**14**	**<2.5**	**<2.5**	**140**	**100**	**42**	**<2.5**	**<2.5**	**<5.0**	**110**	**50**
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
MW8	05/02/16	---	<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
MW8	10/07/16	---	<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
MW8	**05/26/17**	**---**	**<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
MW9	05/02/16	---	<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	10/07/16	---	<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	0.66	<0.50
MW9	**05/26/17**	**---**	**<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**	**1.8**	**0.77**
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.																
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 - Present	Not sampled.																
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 - Present	Not sampled.																
SVE6	10/09/15	---	Well installed.															

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)
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 - Present	Not sampled.																
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 - Present	Not sampled.																
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	---	---	---	---	---	---	---	---	---	---
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	<0.50	<0.50	---	---	---	---	---	---	---	---
W-12-B8	02/28/14	12	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<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-5-B9	02/27/14	5	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<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	<0.50	<0.50	---	---	---	---	---	---	---	---
W-14-B11	03/05/14	14	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	---
W-10-B12	02/26/14	10	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	---
W-10-B13	02/28/14	10	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<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	32	2.6	---	---	---	---	---	---	---	---
W-14-B16	02/26/14	14	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	---
W-10-B17	02/27/14	10	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	0.65	---	---	---	---	---	---	---	---

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 naphthalene (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).
n	=	Reporting limits elevated due to high level of non-target analytes.

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-benzene (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	<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	<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	<0.50	20	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW1	05/02/16	---	<4.0	<2.0	<2.0	<2.0	<2.0	8.8	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	ND
MW1	10/07/16 n	---	<2.0	<1.0	<1.0	<1.0	<1.0	17	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND
MW1	**05/26/17**	**---**	**<1.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**3.9**	**<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	<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	<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	<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
MW2	05/02/16	---	<2.0	<1.0	<1.0	<1.0	<1.0	5.1	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND
MW2	10/07/16 n	---	<2.0	<1.0	<1.0	<1.0	<1.0	7.6	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND
MW2	**05/26/17**	**---**	**<1.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**3.9**	**<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	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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-benzene (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	04/07/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	07/18/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	10/13/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	04/06/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	10/19/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	06/11/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	12/20/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	05/01/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	10/28/14	---	<40	<20	<20	<20	<20	<20	<200	<20	<20	110	210	<20	<20	<20	36	<20	ND
MW3	06/02/15	---	<40	<20	<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	<5.0	<50	<5.0	<5.0	95	140	16	<5.0	9.5	24	9.6	ND
MW3	05/02/16	---	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	110	180	21	<5.0	21	52	11	ND
MW3	10/07/16	---	<20	<10	<10	<10	<10	<10	<100	<10	<10	88	150	14	<10	10	25	<10	ND
MW3	**05/26/17**	**---**	**<20**	**<10**	**<10**	**<10**	**<10**	**<10**	**<100**	**<10**	**<10**	**73**	**88**	**14**	**<10**	**<10**	**23**	**<10**	**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	<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	<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	<2.0	<20	<2.0	<2.0	11	13	<2.0	<2.0	3.2	<2.0	2.3	ND
MW3A	05/02/16	---	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	0.75	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW3A	10/07/16	---	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	4.7	5.1	<0.50	<0.50	1.3	0.80	1.2	ND
MW3A	**05/26/17**	**---**	**<1.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<0.50**	**0.54**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**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	<10	<100	<10	<10	75	190	<10	<10	350	160	<10	ND
MW4	06/02/15	---	<20	<10	<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	<5.0	<50	<5.0	<5.0	56	140	12	<5.0	340	140	9.9	ND

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-benzene (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)
MW4	05/02/16	---	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	74	180	11	<5.0	340	140	8.8	ND
MW4	10/07/16	---	<20	<10	<10	<10	<10	<10	<100	<10	<10	44	100	<10	<10	130	54	<10	ND
MW4	**05/26/17**	**---**	**<10**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<50**	**<5.0**	**<5.0**	**78**	**190**	**9.0**	**<5.0**	**250**	**120**	**8.7**	**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	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW5	12/20/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW5	05/01/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW5	10/28/14	---	<20	<10	<10	<10	<10	<10	<100	<10	<10	120	380	14	<10	730	130	<10	ND
MW5	06/02/15	---	<40	<20	<20	<20	<20	<20	<200	<20	<20	120	390	<20	<20	820	150	<20	ND
MW5	11/19/15	---	<40	<20	<20	<20	<20	<20	<200	<20	<20	98	280	<20	<20	620	130	<20	ND
MW5	05/02/16	---	<40	<20	<20	<20	<20	<20	<200	<20	<20	110	420	45	<20	780	160	<20	ND
MW5	10/07/16	---	<20	<10	<10	<10	<10	<10	<100	<10	<10	130	450	21	<10	540	130	<10	ND
MW5	**05/26/17**	**---**	**<8.0**	**<4.0**	**<4.0**	**<4.0**	**<4.0**	**<4.0**	**<40**	**<4.0**	**<4.0**	**40**	**150**	**9.2**	**<4.0**	**230**	**40**	**<4.0**	**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	<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	<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	<0.50	<5.0	<0.50	<0.50	12	29	<0.50	<0.50	0.60	<0.50	<0.50	ND
MW6	05/02/16	---	<1.0	0.65	<0.50	<0.50	<0.50	<0.50	<5.0	0.50	<0.50	20	51	<0.50	<0.50	0.92	0.73	<0.50	ND
MW6	10/07/16	---	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	0.68	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW6	**05/26/17**	**---**	**<1.0**	**0.58**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**17**	**40**	**0.69**	**<0.50**	**0.71**	**0.52**	**<0.50**	**ND**
MW7	12/08/14	---	Well installed.																
MW7	12/30/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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-benzene (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)
MW7	06/02/15	---	<10	<5.0	<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	<5.0	<50	<5.0	<5.0	86	220	<5.0	<5.0	<5.0	<5.0	<5.0	ND
MW7	05/02/16	---	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	77	220	<5.0	<5.0	<5.0	<5.0	5.3	ND
MW7	10/07/16	---	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<40	<4.0	<4.0	45	140	<4.0	<4.0	<4.0	<4.0	<4.0	ND
MW7	**05/26/17**	**---**	**<5.0**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	**<25**	**<2.5**	**<2.5**	**140**	**410**	**6.9**	**<2.5**	**2.7**	**3.7**	**7.0**	**ND**
MW8	12/08/14	---	Well installed.																
MW8	12/30/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW8	06/02/15	---	<1.0	<0.50	<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	<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
MW8	05/02/16	---	<1.0	<0.50	<0.50	2.1	<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	10/07/16	---	<1.0	<0.50	<0.50	16	<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	**05/26/17**	**---**	**<1.0**	**<0.50**	**<0.50**	**<0.50**	**<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	<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	<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
MW9	05/02/16	---	<1.0	<0.50	<0.50	0.82	<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	10/07/16	---	<1.0	<0.50	<0.50	1.6	<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
MW9	**05/26/17**	**---**	**<1.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**0.97**	**3.7**	**<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.																
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	<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	- Present	Not sampled.																
SVE5	10/09/15	---	Well installed.																
SVE5	10/16/15	---	<40	<20	<20	<20	<20	<20	<200	<20	<20	28	<20	<20	<20	520	210	<20	ND
SVE5	11/18/15	- Present	Not sampled.																
SVE6	10/09/15	---	Well installed.																
SVE6	10/16/15	---	<1.0	<0.50	<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

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-benzene (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)
SVE6	11/18/15 - Present	Not sampled.																	
SVE7	10/09/15	---	Well installed.																
SVE7	10/16/15	---	<1.0	<0.50	<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 - Present	Not sampled.																	
Grab Groundwater Samples																			
B-1W	01/06/08 l	---	<50	<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	<50	32	<50	---	140	440	---	<50	2,400	730	---	ND
B-3W	01/06/08	---	<10	<10	<10	<10	<10	<10	<4.0	<10	---	74	190	---	<10	290	49	---	ND
B-4W	01/06/08	---	<10	<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	<0.5	<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	<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	<0.5	<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	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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-benzene (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-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 naphthalene (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).
n	=	Reporting limits elevated due to high level of non-target analytes.

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
SVS4	09/28/16	---	2.25	2.5	2.5	0.25	PVC	2.1-2.3	0.010	2-2.5	#3 Sand
SVS5	09/28/16	---	2.25	2.5	2.5	0.25	PVC	2.1-2.3	0.010	2-2.5	#3 Sand
SVS6	09/28/16	---	2.25	3.0	2.5	0.25	PVC	2.1-2.3	0.010	2-3	#3 Sand
SVS7	09/28/16	---	2.25	2.5	2.5	0.25	PVC	2.1-2.3	0.010	2-2.5	#3 Sand
SVS8	09/28/16	---	2.25	2.5	2.5	0.25	PVC	2.1-2.3	0.010	2-2.5	#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 Avenue
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)	TAME (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	Lead (mg/kg)
Tier 1 ESLs (Feb 2016)			---	240	100	0.023	0.044	2.9	1.4	2.3	0.00033	0.0045	0.075	---	---	---	80
Soil Borings																	
Soil Borings																	
B-1 (6)	01/06/08	6.0	<5.0	3.7c	<1.0	**<0.05**	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---
B-1 (10.5)	01/06/08	10.5	<100	**1,400b,c**	**7,200b,f**	**<5.0**	**2**	**51**	**110**	400	---	---	---	---	---	---	---
B-2 (5.5)	01/06/08	5.5	<5.0	<1.0	<1.0	**<0.05**	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---
B-2 (10.5)	01/06/08	10.5	<100	**1,400d**	**4,500b,f**	**<5.0**	**13**	**35**	**100**	380	---	---	---	---	---	---	---
B-3 (5.5)	01/06/08	5.5	<5.0	<1.0	<1.0	**<0.50**	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---
B-3 (10.5)	01/06/08	10.5	<5.0	53d	**130e,f**	**<0.50**	**0.37**	0.29	**2.6**	0.44	---	---	---	---	---	---	---
B-4 (5.5)	01/06/08	5.5	<5.0	62d	**140e,f**	**<0.50**	<0.005	1.0	0.066	0.094	---	---	---	---	---	---	---
B-4 (10.5)	01/06/08	10.5	<5.0	15d	**140e,f**	**<0.50**	**0.25**	1.5	1.3	0.11	---	---	---	---	---	---	---
B-5 (5.5)	01/06/08	5.5	<5.0	<1.0	<1.0	**<0.05**	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---
B-5 (11.5)	01/06/08	11.5	<5.0	5.4c,d	32e,f	**<0.25**	0.038	0.24	0.051	0.035	---	---	---	---	---	---	---
B-6 (5.5)	01/06/08	5.5	<5.0	<1.0	<1.0	**<0.05**	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---
B-6 (10.5)	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	---
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	---
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	---
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	---
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	---
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	---
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	---
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 Avenue
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)	TAME (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	Lead (mg/kg)
Tier 1 ESLs (Feb 2016)			---	240	100	0.023	0.044	2.9	1.4	2.3	0.00033	0.0045	0.075	---	---	---	80
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	---
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	---
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	---
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	---
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	---
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	---
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 Testing 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 Well Borings																	
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	---

TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 79374
990 San Pablo Avenue
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)	TAME (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	Lead (mg/kg)
Tier 1 ESLs (Feb 2016)			---	240	100	0.023	0.044	2.9	1.4	2.3	0.00033	0.0045	0.075	---	---	---	80
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	---
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 Well Borings																	
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	**<0.50h**	**<0.50h**	<0.50h	<0.50h	<0.50h	**<0.50h**	**<0.50h**	**<5.0h**	<1.0h	<1.0h	<1.0h	---
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 Avenue
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)	TAME (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	Lead (mg/kg)
Tier 1 ESLs (Feb 2016)			---	240	100	0.023	0.044	2.9	1.4	2.3	0.00033	0.0045	0.075	---	---	---	80
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	**<0.49i**	**<0.49i**	<0.49i	<0.49i	<0.49i	**<0.49i**	**<0.49i**	**<4.9i**	<0.98i	<0.98i	<0.98i	---
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 Well Borings																	
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	---
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	---
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	---
S-2-SVS4	09/28/16	2.0	<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	---
S-2-SVS5	09/28/16	2.0	<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-2-SVS6	09/28/16	2.0	32a	<5.0	<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-2-SVS7	09/28/16	2.0	<25	<5.0	0.97a	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**<0.0050**	**<0.0050**	<0.050	<0.010	<0.010	<0.010	---
S-2-SVS8	09/28/16	2.0	250a	19a	0.99	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	**<0.0051**	**<0.0051**	<0.051	<0.010	<0.010	<0.010	---
Waste Characterization Samples																	
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	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	5.74

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

Notes:		Highlighted sample representative of soil removed from site.
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.
PAHs	=	Polyaromatic hydrocarbons analyzed using EPA Method 8310.
feet bgs	=	Feet below ground surface.
Tier 1 ESLs	=	Tier 1 Environmental Screening Levels established by the California Regional Water Quality Control Board.
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	=	Ethanol.
h	=	The reporting limit is elevated resulting from matrix interference.
i	=	Reporting limits raised due to high level of non-target analytes.
j	=	Estimated value; analyte present at concentration above the method detection limit but below the reporting limit.

TABLE 3B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS - VOCs AND SVOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Sample ID	Sampling Date	Depth (feet bgs)	VOCs									SVOCs (mg/kg)
			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)	VOCs (mg/kg)	
Tier 1 ESLs (Feb 2016)			---	---	---	0.023	---	---	---	---	---	---
Soil Borings												
Soil Borings												
B-1 (6)	01/06/08	6.0	---	---	---	---	---	---	---	---	---	---
B-1 (10.5)	01/06/08	10.5	---	---	---	---	---	---	---	---	---	---
B-2 (5.5)	01/06/08	5.5	---	---	---	---	---	---	---	---	---	---
B-2 (10.5)	01/06/08	10.5	---	---	---	---	---	---	---	---	---	---
B-3 (5.5)	01/06/08	5.5	---	---	---	---	---	---	---	---	---	---
B-3 (10.5)	01/06/08	10.5	---	---	---	---	---	---	---	---	---	---
B-4 (5.5)	01/06/08	5.5	---	---	---	---	---	---	---	---	---	---
B-4 (10.5)	01/06/08	10.5	---	---	---	---	---	---	---	---	---	---
B-5 (5.5)	01/06/08	5.5	---	---	---	---	---	---	---	---	---	---
B-5 (11.5)	01/06/08	11.5	---	---	---	---	---	---	---	---	---	---
B-6 (5.5)	01/06/08	5.5	---	---	---	---	---	---	---	---	---	---
B-6 (10.5)	01/06/08	10.5	---	---	---	---	---	---	---	---	---	---
S-5-B7	02/27/14	5.0	---	---	---	**<0.050**	---	---	---	---	---	---
S-11.5-B7	02/27/14	11.5	---	---	---	---	---	---	---	---	---	---
S-5-B8	02/28/14	5.0	---	---	---	**<0.050**	---	---	---	---	---	---
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	---	---	---	**<0.050**	---	---	---	---	---	---
S-11.5-B9	02/27/14	11.5	---	---	---	---	---	---	---	---	---	---
S-5-B10	02/27/14	5.0	---	---	---	**<0.050**	---	---	---	---	---	---
S-11.5-B10	02/27/14	11.5	---	---	---	---	---	---	---	---	---	---
S-5-B11	02/28/14	5.0	---	---	---	**<0.051**	---	---	---	---	---	---
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	---	---	---	**<0.049**	---	---	---	---	---	---
S-11.5-B12	02/26/14	11.5	---	---	---	---	---	---	---	---	---	---
S-5-B13	02/25/14	5.0	---	---	---	**<0.052**	---	---	---	---	---	---
S-11.5-B13	02/28/14	11.5	---	---	---	---	---	---	---	---	---	---

TABLE 3B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS - VOCs AND SVOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Sample ID	Sampling Date	Depth (feet bgs)	VOCs									SVOCs (mg/kg)
			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)	VOCs (mg/kg)	
Tier 1 ESLs (Feb 2016)			---	---	---	0.023	---	---	---	---	---	---
S-5-B14	03/05/14	5.0	---	---	---	**<0.050**	---	---	---	---	---	---
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	---	---	---	**<0.051**	---	---	---	---	---	---
S-10-B15	03/05/14	10.0	---	---	---	---	---	---	---	---	---	---
S-14.0-B15	03/05/14	14.0	---	---	---	---	---	---	---	---	---	---
S-5-B16	02/26/14	5.0	---	---	---	**<0.050**	---	---	---	---	---	---
S-10-B16	02/26/14	10.0	---	---	---	**0.84j**	---	---	---	---	---	---
S-15.5-B16	02/26/14	15.5	---	---	---	---	---	---	---	---	---	---
S-5-B17	02/26/14	5.0	---	---	---	0.0021j	---	---	---	---	---	---
S-10-B17	02/26/14	10.0	---	---	---	**<0.050**	---	---	---	---	---	---
S-15.5-B17	02/26/14	15.5	---	---	---	---	---	---	---	---	---	---
S-5-B18	10/08/15	5.0	---	---	---	---	---	---	---	---	---	---
S-10-B18	10/08/15	10.0	---	---	---	---	---	---	---	---	---	---
S-15-B18	10/08/15	15.0	---	---	---	---	---	---	---	---	---	---
Cone Penetration Testing Borings												
S-5-CPT1	10/20/10	5.0	---	---	---	---	---	---	---	---	---	---
S-5-CPT2	10/20/10	5.0	---	---	---	---	---	---	---	---	---	---
Monitoring Well Borings												
S-5-MW1	10/20/10	5.0	---	---	---	---	---	---	---	---	---	---
S-10-MW1	11/04/10	10.0	---	---	---	---	---	---	---	---	---	---
S-14.5-MW1	11/04/10	14.5	---	---	---	---	---	---	---	---	---	---
S-10-MW2	11/04/10	10.0	---	---	---	---	---	---	---	---	---	---
S-15-MW2	11/04/10	15.0	---	---	---	---	---	---	---	---	---	---
S-5-MW3	10/20/10	5.0	---	---	---	---	---	---	---	---	---	---
S-10.5-MW3	11/08/10	10.5	---	---	---	---	---	---	---	---	---	---
S-15.5-MW3	11/08/10	15.5	---	---	---	---	---	---	---	---	---	---
S-8-MW3A	01/18/12	8.0	---	---	---	---	---	---	---	---	---	---
S-14.5-MW3A	01/18/12	14.5	---	---	---	---	---	---	---	---	---	---

TABLE 3B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS - VOCs AND SVOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Sample ID	Sampling Date	Depth (feet bgs)	VOCs									SVOCs (mg/kg)
			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)	VOCs (mg/kg)	
Tier 1 ESLs (Feb 2016)			---	---	---	0.023	---	---	---	---	---	---
S-5-MW4	10/20/10	5.0	---	---	---	---	---	---	---	---	---	---
S-10-MW4	11/05/10	10.0	---	---	---	---	---	---	---	---	---	---
S-15-MW4	11/05/10	15.0	---	---	---	---	---	---	---	---	---	---
S-16.5-MW4	11/05/10	16.5	---	---	---	---	---	---	---	---	---	---
S-5-MW5	10/20/10	5.0	---	---	---	---	---	---	---	---	---	---
S-10.5-MW5	11/05/10	10.5	---	---	---	---	---	---	---	---	---	---
S-16.5-MW5	11/05/10	16.5	---	---	---	---	---	---	---	---	---	---
S-5-MW6	10/20/10	5.0	---	---	---	---	---	---	---	---	---	---
S-10-MW6	11/02/10	10.0	---	---	---	---	---	---	---	---	---	---
S-14.5-MW6	11/02/10	14.5	---	---	---	---	---	---	---	---	---	---
S-20-MW6	11/02/10	20.0	---	---	---	---	---	---	---	---	---	---
S-5-MW7	12/08/14	5.0	---	---	---	---	---	---	---	---	---	---
S-10-MW7	12/08/14	10.0	---	---	---	---	---	---	---	---	---	---
S-15-MW7	12/08/14	15.0	---	---	---	---	---	---	---	---	---	---
S-5-MW8	12/08/14	5.0	---	---	---	---	---	---	---	---	---	---
S-10-MW8	12/08/14	10.0	---	---	---	---	---	---	---	---	---	---
S-15-MW8	12/08/14	15.0	---	---	---	---	---	---	---	---	---	---
S-5-MW9	10/08/15	5.0	---	---	---	---	---	---	---	---	---	---
S-10.5-MW9	10/08/15	10.5	---	---	---	---	---	---	---	---	---	---
S-15.5-MW9	10/08/15	15.5	---	---	---	---	---	---	---	---	---	---
Remediation Well Borings												
S-10-AS1	01/18/12	10.0	---	---	---	---	---	---	---	---	---	---
S-8.5-SVE1	01/17/12	8.5	---	---	---	---	---	---	---	---	---	---
S-11.5-SVE1	01/17/12	11.5	---	---	---	---	---	---	---	---	---	---
S-10-SVE2	01/17/12	10.0	---	---	---	---	---	---	---	---	---	---
S-14-SVE2	01/17/12	14.0	---	---	---	---	---	---	---	---	---	---
S-12.5-SVE3	01/17/12	12.5	---	---	---	---	---	---	---	---	---	---
S-15-SVE3	01/17/12	15.0	---	---	---	---	---	---	---	---	---	---
S-5-SVE4	10/09/15	5.0	---	---	---	---	---	---	---	---	---	---
S-9.5-SVE4	10/09/15	9.5	---	---	---	---	---	---	---	---	---	---
S-15.5-SVE4	10/09/15	15.5	---	---	---	---	---	---	---	---	---	---

TABLE 3B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS - VOCs AND SVOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Sample ID	Sampling Date	Depth (feet bgs)	VOCs									SVOCs (mg/kg)
			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)	VOCs (mg/kg)	
Tier 1 ESLs (Feb 2016)			---	---	---	0.023	---	---	---	---	---	---
S-5-SVE5	10/09/15	5.0	---	---	---	---	---	---	---	---	---	---
S-11.5-SVE5	10/09/15	11.5	---	---	---	---	---	---	---	---	---	---
S-15.5-SVE5	10/09/15	15.5	---	---	---	---	---	---	---	---	---	---
S-5-SVE6	10/09/15	5.0	---	---	---	---	---	---	---	---	---	---
S-12-SVE6	10/09/15	12.0	---	---	---	---	---	---	---	---	---	---
S-5-SVE7	10/09/15	5.0	---	---	---	---	---	---	---	---	---	---
S-10-SVE7	10/09/15	10.0	---	---	---	---	---	---	---	---	---	---
S-12-SVE7	10/09/15	12.0	---	---	---	---	---	---	---	---	---	---
S-15.5-SVE7	10/09/15	15.5	---	---	---	---	---	---	---	---	---	---
Soil Vapor Well Borings												
S-5-SVS1	02/25/14	5.0	---	---	---	**<0.049**	---	---	---	---	---	---
S-5-SVS2	02/25/14	5.0	---	---	---	**<0.048**	---	---	---	---	---	---
S-5-SVS3	02/25/14	5.0	---	---	---	0.0038j	---	---	---	---	---	---
S-2-SVS4	09/28/16	2.0	---	---	---	---	---	---	---	---	---	---
S-2-SVS5	09/28/16	2.0	---	---	---	---	---	---	---	---	---	---
S-2-SVS6	09/28/16	2.0	---	---	---	---	---	---	---	---	---	---
S-2-SVS7	09/28/16	2.0	<0.0050	<0.0050	<0.0050	**<0.050**	<0.0050	<0.0050	<0.0050	<0.0050	ND	---
S-2-SVS8	09/28/16	2.0	<0.0051	<0.0051	<0.0051	**<0.051**	<0.0051	<0.0051	<0.0051	<0.0051	ND	---
Waste Characterization Samples												
Drum Samples												
DR-1	01/06/08	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	**<0.050**	---	---	---	---	ND	---
SP-1	10/08/15	---	---	---	---	---	---	---	---	---	<0.25g	ND

TABLE 3B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS - VOCs AND SVOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Notes:		Highlighted sample representative of soil removed from site.
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.
PAHs	=	Polyaromatic hydrocarbons analyzed using EPA Method 8310.
feet bgs	=	Feet below ground surface.
Tier 1 ESLs	=	Tier 1 Environmental Screening Levels established by the California Regional Water Quality Control Board.
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	=	Ethanol.
h	=	The reporting limit is elevated resulting from matrix interference.
i	=	Reporting limits raised due to high level of non-target analytes.
j	=	Estimated value; analyte present at concentration above the method detection limit but below the reporting limit.

TABLE 3C
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS - PAHs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Sample ID	Sampling Date	Depth (feet bgs)	Naph-thalene (mg/kg)	Acenaph-thylene (mg/kg)	Acenaph-thene (mg/kg)	Fluorene (mg/kg)	Phen-anthrene (mg/kg)	Anth-racene (mg/kg)	Fluor-anthene (mg/kg)	Pyrene (mg/kg)	Benzo (a) Anthr-acene (mg/kg)	Chrysene (mg/kg)	Benzo (b) Fluor-anthene (mg/kg)	Benzo (k) Fluor-anthene (mg/kg)	Benzo (a) Pyrene (mg/kg)	Dibenz (a,h) Anthracene (mg/kg)	Benzo (g,h,i) Perylene (mg/kg)	Indeno (1,2,3-c,d) Pyrene (mg/kg)	1-Methyl-naph-thalene (mg/kg)	2-Methyl-naph-thalene (mg/kg)
Tier 1 ESLs (Feb 2016)			0.023	13	16	8.9	11	2.8	60	85	0.70	3.8	0.70	2.6	0.070	0.070	2.5	0.70	---	---
Soil Borings																				
Soil Borings																				
B-1 (6)	01/06/08	6.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-1 (10.5)	01/06/08	10.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-2 (5.5)	01/06/08	5.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-2 (10.5)	01/06/08	10.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-3 (5.5)	01/06/08	5.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-3 (10.5)	01/06/08	10.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-4 (5.5)	01/06/08	5.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-4 (10.5)	01/06/08	10.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-5 (5.5)	01/06/08	5.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-5 (11.5)	01/06/08	11.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-6 (5.5)	01/06/08	5.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-6 (10.5)	01/06/08	10.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
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	<0.015	<0.030	<0.015	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	---	---
S-11.5-B12	02/26/14	11.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-B13	02/25/14	5.0	<0.015	<0.030	<0.015	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	---	---
S-11.5-B13	02/28/14	11.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 3C
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS - PAHs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Sample ID	Sampling Date	Depth (feet bgs)	Naph-thalene (mg/kg)	Acenaph-thylene (mg/kg)	Acenaph-thene (mg/kg)	Fluorene (mg/kg)	Phen-anthrene (mg/kg)	Anth-racene (mg/kg)	Fluor-anthene (mg/kg)	Pyrene (mg/kg)	Benzo (a) Anthr-acene (mg/kg)	Chrysene (mg/kg)	Benzo (b) Fluor-anthene (mg/kg)	Benzo (k) Fluor-anthene (mg/kg)	Benzo (a) Pyrene (mg/kg)	Dibenz (a,h) Anthracene (mg/kg)	Benzo (g,h,i) Perylene (mg/kg)	Indeno (1,2,3-c,d) Pyrene (mg/kg)	1-Methyl-naph-thalene (mg/kg)	2-Methyl-naph-thalene (mg/kg)
Tier 1 ESLs (Feb 2016)			0.023	13	16	8.9	11	2.8	60	85	0.70	3.8	0.70	2.6	0.070	0.070	2.5	0.70	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-B16	02/26/14	5.0	<0.015	<0.030	<0.015	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	---	---
S-10-B16	02/26/14	10.0	<0.015	<0.030	<0.015	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	---	---
S-15.5-B16	02/26/14	15.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-B17	02/26/14	5.0	<0.015	<0.030	<0.015	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	---	---
S-10-B17	02/26/14	10.0	<0.015	<0.030	<0.015	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	---	---
S-15.5-B17	02/26/14	15.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-B18	10/08/15	5.0	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
S-10-B18	10/08/15	10.0	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
S-15-B18	10/08/15	15.0	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Cone Penetration Testing Borings																				
S-5-CPT1	10/20/10	5.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-CPT2	10/20/10	5.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Monitoring Well Borings																				
S-5-MW1	10/20/10	5.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-10-MW1	11/04/10	10.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-14.5-MW1	11/04/10	14.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-10-MW2	11/04/10	10.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-15-MW2	11/04/10	15.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-MW3	10/20/10	5.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-10.5-MW3	11/08/10	10.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-15.5-MW3	11/08/10	15.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-8-MW3A	01/18/12	8.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-14.5-MW3A	01/18/12	14.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 3C
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS - PAHs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Sample ID	Sampling Date	Depth (feet bgs)	Naph-thalene (mg/kg)	Acenaph-thylene (mg/kg)	Acenaph-thene (mg/kg)	Fluorene (mg/kg)	Phen-anthrene (mg/kg)	Anth-racene (mg/kg)	Fluor-anthene (mg/kg)	Pyrene (mg/kg)	Benzo (a) Anthr-acene (mg/kg)	Chrysene (mg/kg)	Benzo (b) Fluor-anthene (mg/kg)	Benzo (k) Fluor-anthene (mg/kg)	Benzo (a) Pyrene (mg/kg)	Dibenz (a,h) Anthracene (mg/kg)	Benzo (g,h,i) Perylene (mg/kg)	Indeno (1,2,3-c,d) Pyrene (mg/kg)	1-Methyl-naph-thalene (mg/kg)	2-Methyl-naph-thalene (mg/kg)
Tier 1 ESLs (Feb 2016)			0.023	13	16	8.9	11	2.8	60	85	0.70	3.8	0.70	2.6	0.070	0.070	2.5	0.70	---	---
S-5-MW4	10/20/10	5.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-10-MW4	11/05/10	10.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-15-MW4	11/05/10	15.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-16.5-MW4	11/05/10	16.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-MW5	10/20/10	5.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-10.5-MW5	11/05/10	10.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-16.5-MW5	11/05/10	16.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-MW6	10/20/10	5.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-10-MW6	11/02/10	10.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-14.5-MW6	11/02/10	14.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-20-MW6	11/02/10	20.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-MW7	12/08/14	5.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-10-MW7	12/08/14	10.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-15-MW7	12/08/14	15.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-MW8	12/08/14	5.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-10-MW8	12/08/14	10.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-15-MW8	12/08/14	15.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-MW9	10/08/15	5.0	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
S-10.5-MW9	10/08/15	10.5	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
S-15.5-MW9	10/08/15	15.5	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Remediation Well Borings																				
S-10-AS1	01/18/12	10.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-8.5-SVE1	01/17/12	8.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-11.5-SVE1	01/17/12	11.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-10-SVE2	01/17/12	10.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-14-SVE2	01/17/12	14.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-12.5-SVE3	01/17/12	12.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-15-SVE3	01/17/12	15.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-SVE4	10/09/15	5.0	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
S-9.5-SVE4	10/09/15	9.5	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.060	0.14
S-15.5-SVE4	10/09/15	15.5	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

TABLE 3C
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS - PAHs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Sample ID	Sampling Date	Depth (feet bgs)	Naph-thalene (mg/kg)	Acenaph-thylene (mg/kg)	Acenaph-thene (mg/kg)	Fluorene (mg/kg)	Phen-anthrene (mg/kg)	Anth-racene (mg/kg)	Fluor-anthene (mg/kg)	Pyrene (mg/kg)	Benzo (a) Anthr-acene (mg/kg)	Chrysene (mg/kg)	Benzo (b) Fluor-anthene (mg/kg)	Benzo (k) Fluor-anthene (mg/kg)	Benzo (a) Pyrene (mg/kg)	Dibenz (a,h) Anthracene (mg/kg)	Benzo (g,h,i) Perylene (mg/kg)	Indeno (1,2,3-c,d) Pyrene (mg/kg)	1-Methyl-naph-thalene (mg/kg)	2-Methyl-naph-thalene (mg/kg)
Tier 1 ESLs (Feb 2016)			0.023	13	16	8.9	11	2.8	60	85	0.70	3.8	0.70	2.6	0.070	0.070	2.5	0.70	---	---
S-5-SVE5	10/09/15	5.0	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
S-11.5-SVE5	10/09/15	11.5	**1.2**	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099	1.0	2.1
S-15.5-SVE5	10/09/15	15.5	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
S-5-SVE6	10/09/15	5.0	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
S-12-SVE6	10/09/15	12.0	**0.39**	<0.020	<0.020	<0.020	0.024	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.38	0.81
S-5-SVE7	10/09/15	5.0	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
S-10-SVE7	10/09/15	10.0	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
S-12-SVE7	10/09/15	12.0	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
S-15.5-SVE7	10/09/15	15.5	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Soil Vapor Well Borings																				
S-5-SVS1	02/25/14	5.0	<0.015	<0.030	<0.015	<0.010	<0.010	<0.010	<0.010	0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	---	---
S-5-SVS2	02/25/14	5.0	<0.015	<0.030	<0.015	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	---	---
S-5-SVS3	02/25/14	5.0	<0.015	<0.030	<0.015	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	---	---
S-2-SVS4	09/28/16	2.0	<0.015	<0.030	<0.015	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	---	---
S-2-SVS5	09/28/16	2.0	**0.120**	<0.029	0.070	0.022	0.360	0.030	0.330	0.330	0.084	0.085	0.079	0.040	0.092	<0.0098	0.086	<0.0098	---	---
S-2-SVS6	09/28/16	2.0	<0.015	<0.030	<0.015	<0.010	0.024	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	---	---
S-2-SVS7	09/28/16	2.0	<0.015	<0.030	<0.015	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	---	---
S-2-SVS8	09/28/16	2.0	**0.026**	<0.030	<0.015	<0.0099	0.018	<0.0099	0.017	0.014	<0.0099	0.016	<0.0099	0.048	0.019	<0.0099	<0.0099	0.045	---	---
Waste Characterization Samples																				
Drum Samples																				
DR-1	01/06/08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Soil Stockpile Samples																				
COMP(S-Profile-1-4)	11/08/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-SP1 (1-4)	01/18/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP1	03/05/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP-1	10/08/15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 3C
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS - PAHs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Notes:		Highlighted sample representative of soil removed from site.
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.
PAHs	=	Polyaromatic hydrocarbons analyzed using EPA Method 8310.
feet bgs	=	Feet below ground surface.
Tier 1 ESLs	=	Tier 1 Environmental Screening Levels established by the California Regional Water Quality Control Board.
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	=	Ethanol.
h	=	The reporting limit is elevated resulting from matrix interference.
i	=	Reporting limits raised due to high level of non-target analytes.
j	=	Estimated value; analyte present at concentration above the method detection limit but below the reporting limit.

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

Sample ID	Sampling Date	Depth (feet)	TPHd (µg/m³)	TPHg (µg/m³)	MTBE (µg/m³)	B (µg/m³)	T (µg/m³)	E (µg/m³)	o-X (µg/m³)	pm-X (µg/m³)	X (µg/m³)	Methane (%V)	Helium (%V)	CO_2 (%V)	O_2+ Ar (%V)	O_2 (%V)	Nitrogen (%V)	Vacuum (in Hg)
Environmental Screening Levels, Subslab/Soil Gas, Table SG-1 (February 2016)																		
Residential			68,000	300,000	5,400	48	160,000	560	52,000c	52,000c	52,000	---	---	---	---	---	---	---
Commercial/Industrial			570,000	2,500,000	47,000	420	1,300,000	4,900	440,000c	440,000c	440,00	---	---	---	---	---	---	---
Media-Specific Criteria for Vapor Intrusion to Indoor Air, No Bioattenuation Zone (SWRCB, 2012)																		
Residential			---	---	---	85	---	1,100	---	---	---	---	---	---	---	---	---	---
Commercial			---	---	---	280	---	3,600	---	---	---	---	---	---	---	---	---	---
Media-Specific Criteria for Vapor Intrusion to Indoor Air, With Bioattenuation Zone (SWRCB, 2012)																		
Residential			---	---	---	85,000	---	1,100,000	---	---	---	---	---	---	---	---	---	---
Commercial			---	---	---	280,000	---	3,600,000	---	---	---	---	---	---	---	---	---	---
Near Commercial Building on the Site																		
SVS3	03/07/14	5.5	---	**150,000,000**	**<5,800**	**15,000**	<1,500	**15,000**	<1,700	<6,900	<1,700	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	<6,900	<1,700	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	<43,000	<11,000	5.11	<0.0100	14.7	5.49	---	---	-5.00
SVS3	10/03/16 g	5.5	h	**41,000,000**	**<20,000**	**12,000**	<40,000	**<20,000**	<20,000	<20,000	---	3.5	<0.10	14	---	5.4	77	-5.39
SVS3 Dup	10/03/16 g	5.5	h	**34,000,000**	**<20,000**	**11,000**	<40,000	**<20,000**	<20,000	<20,000	---	3.9	<0.10	15	---	4.6	77	-5.37
SVS3	04/05/17 g	5.5	**760,000e**	**26,000,000**	**<20,000**	**12,000**	<40,000	**<20,000**	<20,000	<20,000	---	3.6	<0.10	11	---	4.7	81	-5.39
SVS3 Dup	04/05/17 g	5.5	---	**23,000,000**	**<20,000**	**11,000**	<40,000	**<20,000**	<20,000	<20,000	---	3.6	<0.10	11	---	4.6	81	-5.61
SVS7	10/03/16 f	2.2	9,000	27,000	42	<16	40	<22	190	71	---	0.0057	0.35	0.93	---	20	79	-2.93
SVS7	04/05/17 f	2.2	<5,000	130,000	<18	18	34	<22	38	57	---	0.41	0.75	2.5	---	19	78	-8.23
SVS8	10/03/16 g	2.2	28,000	**350,000**	<500	**<100**	<1,000	<500	<500	<500	---	0.030	<0.10	1.0	---	20	79	-3.18
SVS8	04/05/17 g	2.2	**250,000e**	**15,000,000**	**<10,000d**	**<2,000d**	<20,000d	**<10,000d**	<10,000d	<10,000d	---	2.6	<0.10	13	---	4.6	81	-4.52
Near Residential Building Adjacent to the Site																		
SVS1	03/06/14	5.5	---	**180,000,000**	**<12,000d**	**<2,600d**	<3,000d	**<3,500d**	<3,500d	<14,000d	<3,500d	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	<43,000	<11,000	15.3	<0.0100	13.2	2.49	---	---	-5.00
SVS1	10/03/16 g	5.5	h	**43,000,000**	**<20,000d**	**<4,000d**	<40,000d	**<20,000d**	<20,000d	<20,000d	---	12	<0.10	11	---	4.8	73	-5.81
SVS1	04/05/17 g	5.5	**510,000e**	**25,000,000**	**<20,000d**	**<4,000d**	<40,000d	**<20,000d**	<20,000d	<20,000d	---	12	<0.10	8.8	---	5.5	76	-5.64
SVS2	03/06/14	5.5	---	**190,000,000**	<1,800	**1,700**	740	**650**	<540	3,100	3,100	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	<43,000	<11,000	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	<43,000	<11,000	13.5	<0.0100	11.3	2.82	---	---	-5.00
SVS2	10/03/16 g	5.5	h	**35,000,000**	**<20,000d**	**<4,000d**	<40,000d	**<20,000d**	<20,000d	<20,000d	---	16	<0.10	11	---	3.7	72	-3.26
SVS2	04/05/17 i	5.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SVS4	10/03/16 f	2.2	9,800	5,900	19	<3.2	11	8.1	16	15	---	0.0031	0.94	0.86	---	20	79	--3.83
SVS4	04/05/17	2.2	47,000	2,900	<3.6	<3.2	10	4.9	11	18	---	0.0380	<0.10	2.4	---	17	81	-5.11
SVS5	10/03/16	2.2	16,000	3,000	38	<3.2	82	24	230	97	---	<0.0010	<0.10	1.2	---	20	79	-4.52
SVS5	04/05/17 j	2.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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

Sample ID	Sampling Date	Depth (feet)	TPHd (µg/m³)	TPHg (µg/m³)	MTBE (µg/m³)	B (µg/m³)	T (µg/m³)	E (µg/m³)	o-X (µg/m³)	pm-X (µg/m³)	X (µg/m³)	Methane (%V)	Helium (%V)	CO_2 (%V)	O_2+ Ar (%V)	O_2 (%V)	Nitrogen (%V)	Vacuum (in Hg)
Environmental Screening Levels, Subslab/Soil Gas, Table SG-1 (February 2016)																		
Residential			68,000	300,000	5,400	48	160,000	560	52,000c	52,000c	52,000	---	---	---	---	---	---	---
Commercial/Industrial			570,000	2,500,000	47,000	420	1,300,000	4,900	440,000c	440,000c	440,00	---	---	---	---	---	---	---
Media-Specific Criteria for Vapor Intrusion to Indoor Air, No Bioattenuation Zone (SWRCB, 2012)																		
Residential			---	---	---	85	---	1,100	---	---	---	---	---	---	---	---	---	---
Commercial			---	---	---	280	---	3,600	---	---	---	---	---	---	---	---	---	---
Media-Specific Criteria for Vapor Intrusion to Indoor Air, With Bioattenuation Zone (SWRCB, 2012)																		
Residential			---	---	---	85,000	---	1,100,000	---	---	---	---	---	---	---	---	---	---
Commercial			---	---	---	280,000	---	3,600,000	---	---	---	---	---	---	---	---	---	---
SVS6	10/03/16	2.2	<5,000	440b	4.6	<3.2	4.2	<4.4	4.7	<8.8	---	<0.0010	<0.10	0.44	---	20	79	-3.43
SVS6	04/05/17	2.2	12,000	3,200	<3.6	<3.2	16	8.2	15	32	---	0.0010	<0.10	0.37	---	21	79	-4.31

Notes:
TPHd = Total petroleum hydrocarbons as gasoline analyzed using EPA Method TO-17(M).
TPHg = Total petroleum hydrocarbons as gasoline analyzed using EPA Method TO-3M (March 2014), TO-17 (August 2014), or TO-15 (2016).
MTBE = Methyl tertiary butyl ether analyzed using EPA Method TO-15.
BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method TO-15.
VOCs = Volatile organic compounds analyzed using EPA Method TO-15. Naphthalene analyzed using both EPA Method TO-15 and TO-17(M).
Methane = Methane analyzed using ASTM Method D-1946 (2014) or EPA Method 8015M (2016).
Helium = Helium analyzed using ASTM Method D-1946 (M).
CO_2 = Carbon dioxide analyzed using ASTM Method D-1946.
O_2 + Ar = Oxygen plus argon analyzed using ASTM Method D-1946.
O_2 = Oxygen analyzed using ASTM Method D-1946.
Nitrogen = Nitrogen 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. March 2014 samples analyzed for 1,2-dibromoethane , 1,2-dichloroethane, tertiary butyl alcohol, tertiary amyl methyl ether, ethyl tertiary butyl ether, and di-isopropyl only.
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.
b = Analyte reported in associated equipment blank.
c = Screening level for total xylenes.
d = Reporting limits elevated due to high levels of non-target analytes.
e = Concentration exceeds the calibration range.
f = Leak detection compound reported. Concentration may have a low bias.
g = TPHg, MTBE, BTEX, and VOCs analyzed using EPA Method 8260.
h = Unable to sample due to elevated diesel concentrations above instrumentation limits.
i = Well not sampled due to saturated conditions.
j = Well not sampled due to tight and possibly saturated conditions.
k = 4-Ethyltoluene.

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

Sample ID	Sampling Date	Depth (feet)	Bromo-dichloro-methane (µg/m³)	Carbon Disulfide (µg/m³)	Chloro-form (µg/m³)	Chloro-methane (µg/m³)	Dibromo-chloro-methane (µg/m³)	4-Methyl-2-Pentanone (µg/m³)	Naph-thalene TO-15 (µg/m³)	Naph-thalene TO-17 (µg/m³)	Tri-chloro-ethane (µg/m³)	1,2,4-Trimethyl-benzene (µg/m³)	1,3,5-Trimethyl-benzene (µg/m³)	Tetra-chloro-ethane (µg/m³)	Tertiary Butyl Alcohol (µg/m³)	Add'l VOCs (µg/m³)
Environmental Screening Levels, Subslab/Soil Gas, Table SG-1 (February 2016)																
Residential			38	---	61	47,000	---	---	41	41	340	---	---	240	---	---
Commercial/Industrial			330	---	530	390,000	---	---	360	360	3,000	---	---	2,100	---	---
Media-Specific Criteria for Vapor Intrusion to Indoor Air, No Bioattenuation Zone (SWRCB, 2012)																
Residential			---	---	---	---	---	---	93	93	---	---	---	---	---	---
Commercial			---	---	---	---	---	---	310	310	---	---	---	---	---	---
Media-Specific Criteria for Vapor Intrusion to Indoor Air, With Bioattenuation Zone (SWRCB, 2012)																
Residential			---	---	---	---	---	---	93,000	93,000	---	---	---	---	---	---
Commercial			---	---	---	---	---	---	310,000	310,000	---	---	---	---	---	---
Near Commercial Building on the Site																
SVS3	03/07/14	5.5	---	---	---	---	---	---	---	1.1	---	---	---	---	<4,900	ND
SVS3 Dup	03/07/14	5.5	---	---	---	---	---	---	---	---	---	---	---	---	<4,900	ND
SVS3	08/28/14	5.5	**<17,000**	<31,000	**<12,000**	<5,200	<21,000	<31,000	---	**820a**	**<13,000**	<12,000	<12,000	**<17,000**	<30,000	ND
SVS3	10/03/16 g	5.5	**<20,000**	<20,000	**<4,000**	<20,000	<20,000	<100,000	**<4,000**	**390**	**<4,000**	<20,000	<20,000	**<4,000**	<200,000	ND
SVS3 Dup	10/03/16 g	5.5	**<20,000**	<20,000	**<4,000**	<20,000	<20,000	<100,000	**<4,000**	**480**	**<4,000**	<20,000	<20,000	**<4,000**	<200,000	ND
SVS3	04/05/17 g	5.5	**<20,000**	<20,000	**<4,000**	<20,000	<20,000	<100,000	**<4,000**	**470**	**<4,000**	<20,000	<20,000	**<4,000**	<200,000	ND
SVS3 Dup	04/05/17 g	5.5	**<20,000**	<20,000	**<4,000**	<20,000	<20,000	<100,000	**<4,000**	---	**<4,000**	<20,000	<20,000	**<4,000**	<200,000	ND
SVS7	10/03/16 f	2.2	<34	42	58	<10	<43	51	<27	28	<27	55	38	<34	49	ND
SVS7	04/05/17 f	2.2	<34	36	<25	<10	<43	<41	<27	<20	<27	<25	<25	<34	120	ND
SVS8	10/03/16 g	2.2	**<500**	<500	**<100**	<500	<500	<2,500	**<100**	<20	<100	<500	<500	<100	<5,000	ND
SVS8	04/05/17 g	2.2	**<10,000d**	<10,000d	**<2,000d**	<10,000d	<10,000d	<40,000d	**<2,000d**	23	**<2,000d**	<10,000d	<10,000d	**<2,000d**	<100,000d	ND
Near Residential Building Adjacent to the Site																
SVS1	03/06/14	5.5	---	---	---	---	---	---	---	<0.020	---	---	---	---	<9,700d	ND
SVS1	08/28/14	5.5	**<17,000**	<31,000	**<12,000**	<5,200	<21,000	<31,000	---	<20	**<13,000**	<12,000	<12,000	**<17,000**	<30,000	ND
SVS1	10/03/16 g	5.5	**<20,000d**	<20,000d	**<4,000d**	<20,000d	<20,000d	<100,000d	**<4,000d**	<20	**<4,000d**	<20,000d	<20,000d	**<4,000d**	<200,000d	ND
SVS1	04/05/17 g	5.5	**<20,000d**	<20,000d	**<4,000d**	<20,000d	<20,000d	<100,000d	**<4,000d**	34	**<4,000d**	<20,000d	<20,000d	**<4,000d**	<200,000d	ND
SVS2	03/06/14	5.5	---	---	---	---	---	---	---	<0.020	---	---	---	---	<1,500	ND
SVS2	08/28/14	5.5	**<17,000**	<31,000	**<12,000**	<5,200	<21,000	<31,000	---	<20	**<13,000**	<12,000	<12,000	**<17,000**	<30,000	ND
SVS2 Dup	08/28/14	5.5	**<17,000**	<31,000	**<12,000**	<5,200	<21,000	<31,000	---	---	**<13,000**	<12,000	<12,000	**<17,000**	<30,000	ND
SVS2	10/03/16 g	5.5	**<20,000d**	<20,000d	**<4,000d**	<20,000d	<20,000d	<100,000d	**<4,000d**	<20	**<4,000d**	<20,000d	<20,000d	**<4,000d**	<200,000d	ND
SVS2	04/05/17 i	5.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SVS4	10/03/16 f	2.2	**48**	<6.3	**63**	2.3	21	8.9	<5.3	<20	<5.5	23	19	<6.9	<6.1	7.5k
SVS4	04/05/17	2.2	<6.8	<6.3	<4.9	<2.1	<8.6	<8.3	<5.3	<20	<5.5	<5.0	<5.0	<6.9	<6.1	ND
SVS5	10/03/16	2.2	**38**	<6.3	54	<2.1	14	<8.3	<5.3	<20	<5.5	86	34	<6.9	<6.1	16k
SVS5	04/05/17 j	2.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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

Sample ID	Sampling Date	Depth (feet)	Bromo-dichloro-methane (µg/m³)	Carbon Disulfide (µg/m³)	Chloro-form (µg/m³)	Chloro-methane (µg/m³)	Dibromo-chloro-methane (µg/m³)	4-Methyl-2-Pentanone (µg/m³)	Naph-thalene TO-15 (µg/m³)	Naph-thalene TO-17 (µg/m³)	Tri-chloro-ethane (µg/m³)	1,2,4-Trimethyl-benzene (µg/m³)	1,3,5-Trimethyl-benzene (µg/m³)	Tetra-chloro-ethane (µg/m³)	Tertiary Butyl Alcohol (µg/m³)	Add'l VOCs (µg/m³)
Environmental Screening Levels, Subslab/Soil Gas, Table SG-1 (February 2016)																
Residential			38	---	61	47,000	---	---	41	41	340	---	---	240	---	---
Commercial/Industrial			330	---	530	390,000	---	---	360	360	3,000	---	---	2,100	---	---
Media-Specific Criteria for Vapor Intrusion to Indoor Air, No Bioattenuation Zone (SWRCB, 2012)																
Residential			---	---	---	---	---	---	93	93	---	---	---	---	---	---
Commercial			---	---	---	---	---	---	310	310	---	---	---	---	---	---
Media-Specific Criteria for Vapor Intrusion to Indoor Air, With Bioattenuation Zone (SWRCB, 2012)																
Residential			---	---	---	---	---	---	93,000	93,000	---	---	---	---	---	---
Commercial			---	---	---	---	---	---	310,000	310,000	---	---	---	---	---	---
SVS6	10/03/16	2.2	<6.8	<6.3	<4.9	<2.1	<8.6	<8.3	<5.3	<20	<5.5	<5.0	<5.0	<6.9	<6.1	ND
SVS6	04/05/17	2.2	<6.8	<6.3	<4.9	<2.1	<8.6	<8.3	<5.3	<20	<5.5	5.0	<5.0	7.5	12	ND

Notes:

TPHd = Total petroleum hydrocarbons as gasoline analyzed using EPA Method TO-17(M).
TPHg = Total petroleum hydrocarbons as gasoline analyzed using EPA Method TO-3M (March 2014), TO-17 (August 2014), or TO-15 (2016).
MTBE = Methyl tertiary butyl ether analyzed using EPA Method TO-15.
BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method TO-15.
VOCs = Volatile organic compounds analyzed using EPA Method TO-15. Naphthalene analyzed using both EPA Method TO-15 and TO-17(M).
Methane = Methane analyzed using ASTM Method D-1946 (2014) or EPA Method 8015M (2016).
Helium = Helium analyzed using ASTM Method D-1946 (M).
CO_2 = Carbon dioxide analyzed using ASTM Method D-1946.
O_2 + Ar = Oxygen plus argon analyzed using ASTM Method D-1946.
O_2 = Oxygen analyzed using ASTM Method D-1946.
Nitrogen = Nitrogen 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. March 2014 samples analyzed for 1,2-dibromoethane , 1,2-dichloroethane, tertiary butyl alcohol, tertiary amyl methyl ether, ethyl tertiary butyl ether, and di-isopropyl only.
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.
b = Analyte reported in associated equipment blank.
c = Screening level for total xylenes.
d = Reporting limits elevated due to high levels of non-target analytes.
e = Concentration exceeds the calibration range.
f = Leak detection compound reported. Concentration may have a low bias.
g = TPHg, MTBE, BTEX, and VOCs analyzed using EPA Method 8260.
h = Unable to sample due to elevated diesel concentrations above instrumentation limits.
i = Well not sampled due to saturated conditions.
j = Well not sampled due to tight and possibly saturated conditions.
k = 4-Ethyltoluene.

APPENDIX A

CORRESPONDENCE

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
REBECCA GEBHART, Interim Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
LOCAL OVERSIGHT PROGRAM (LOP)
For Hazardous Materials Releases
1131 HARBOR BAY PARKWAY, SUITE 250
ALAMEDA, CA 94502
(510) 567-6700
FAX (510) 337-9335

July 21, 2017

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

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

Subject: Vapor Intrusion Work Plan Request; 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 Department of Environmental Health (ACDEH) staff has reviewed the case file for the above referenced site including the *Semi-Annual Soil Vapor Assessment, Second Quarter 2017*, dated May 31, 2017, and the *Semi-Annual Groundwater Monitoring and Remediation Status Report*, dated June 23, 2017. The reports were prepared and submitted on your behalf by Cardno. Thank you for submitting them.

The referenced soil vapor assessment documented seasonal vapor sampling at the subject site, and stated the revised Bay Area Air Quality Management District (BAAQMD) permit was approved December 15, 2016. It is understood that the High Intensity Targeted (HIT) corrective action events will be started when appropriate power is acquired from the Pacific Gas & Electric Company (PGE); however, the report did not provide an estimated date.

The vapor analytical documented both increasing and decreasing vapor concentrations in site wells. Vapor wells are set at two depths, 5.5 feet below grade surface (bgs), and 2.2 feet bgs. The shallow vapor wells were installed to determine the presence of a shallow low-hydrocarbon vapor bio-zone sufficient to be protective of onsite and offsite structures. In general, concentrations in shallow vapor wells, remained consistent, or increased substantially (SVS8). Concentrations in shallow well SVS8 were documented at 15,000,000 micrograms per cubic meter ($\mu g/m^3$) Total Petroleum Hydrocarbons as gasoline (TPHg), <2,000 $\mu g/m^3$ benzene, <10,000 $\mu g/m^3$ ethylbenzene, and 23 $\mu g/m^3$ naphthalene. Elevated vapor concentrations at this well, located proximal to groundwater monitoring well MW-1, with non-detectable concentrations at standard reporting limits or very low volatile hydrocarbon concentrations, is problematic. The disjunction between vapor data and groundwater data can be suggestive of undiscovered sources. Regardless of the source of the vapor data, it represents a risk of vapor intrusion to the onsite building.

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

TECHNICAL COMMENTS

1. **Vapor Intrusion Work Plan –** ACDEH requests the submittal of a vapor intrusion work plan by the date referenced below.
2. **Semi-Annual Vapor Monitoring –** Due to the substantial vapor concentration fluctuations in soil vapor wells at the site, the recommended semi-annual soil vapor sampling to further evaluate soil vapor concentrations appears appropriate due to potentially sensitive population (residential), and Department of Toxics Substance Control (DTSC) guidance. Please submit the results of the vapor sampling in a report by the dates identified below.

3. **Temporary HIT Events –** As noted above, the HIT events are planned once PGE provides appropriate power for the site; however, based on typical PGE timeframes it appears that this timeframe is unpredictable. Therefore, unless an estimated reasonable timeframe for the power drop is known, in the interim, it appears reasonable to request that temporary HIT events resume using previously approved temporary mobile equipment. As noted in the State Water Board (SWB) Low Threat Closure Policy (LTCP), it is expected that the removal or destruction of secondary mass will be completed in one year or less, and the rate of action has been limited by outside events at the site. The presence of a potential vapor intrusion risk additionally indicates the appropriateness of actions.

   Please provide 72-hour advance written notification to this office (e-mail preferred to: mark.detterman@acgov.org) prior to the start of field activities.

4. **Semi-Annual Groundwater Monitoring –** Please continue to conduct groundwater monitoring and sampling at the site on a semi-annual basis, and submit reports by the dates identified below.

SUBMITTAL ACKNOWLEDGEMENT STATEMENT

Please note that ACDEH has updated its Attachment 1 with regard to report submittals to ACDEH. ACDEH will now be requiring a Submittal Acknowledgement Statement, replacing the Perjury Statement, as a cover letter signed by the Responsible Party (RP). The language for the Submittal Acknowledgement Statement is as follows:

I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to ACDEH's FTP server and the SWRCB's Geotracker Website.

Please make this change to your submittals to ACDEH.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACDEH 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:

- **September 29, 2017 –** Vapor Intrusion Work Plan
  File to be named: RO2974_WP_R_yyyy-mm-dd

- **October 6, 2017 –** Site Vapor Investigation Report (Can be combined with above report)
  File to be named: RO2974_SWI_R_yyyy-mm-dd

- **December 15, 2017 –** Second 2017 Semi-Annual Groundwater Monitoring
  File to be named: RO2974_GWM_R_yyyy-mm-dd

- **June 8, 2018 –** First 2018 Semi-Annual Groundwater Monitoring
  File to be named: RO2974_GWM_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.

Online case files are available for review at the following website: http://www.acgov.org/aceh/index.htm. If your email address is not listed on the first page of this letter, or in the list of cc's listed below, ACDEH is requesting your email address to help expedite communications and to help lower overall costs.

Should you have additional questions, please contact me at (510) 567--6876 or send me an electronic mail message at mark.detterman@acgov.org.

Sincerely,

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 electronic mail to: christine.capwell@cardno.com)

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

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

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

Dilan Roe, ACDEH, (Sent via electronic mail to: dilan.roe@acgov.org)
Paresh Khatri, ACDEH; (Sent via electronic mail to: paresh.khatri@acgov.org)
Mark Detterman, ACDEH, (Sent via electronic mail to: mark.detterman@acgov.org)
Electronic File; GeoTracker

APPENDIX B

FIELD PROTOCOLS

Cox-Colvin & Associates, Inc.
Environmental Services

Standard Operating Procedure Leak Testing Vapor Pin™ Via Mechanical Means

December 3, 2013

Scope:

The operating procedure describes the methodology to test a Vapor Pin™ or equivalent sub-slab sampling device and sample train for leakage of indoor air. Mechanical leak testing is generally simpler and less costly than testing with tracer gases such as helium, but relevant state, program, or other guidance documents should be consulted to determine if a specific type of leak test is needed.

Purpose:

The purpose of this procedure is to ensure that indoor air does not leak past the Vapor Pin™ or associated tubing and hardware and dilute the sub-slab soil gas sample with indoor air.

Equipment Needed:

Stick-up installation: 2-inch diameter plastic pipe couple, Play-Doh, Sculpey, or modeling clay (clay) free of volatile organic compounds (VOCs). Stick-up and flush-mount installations: distilled water; Vapor Pin™; vacuum pump (hand-operated or peristaltic); vacuum gauge; stopcock; and sample train, including sample tubing, tee fittings, vacuum gauge and other hardware, and sample container.

Procedures:

1. Drill a 5/8" diameter hole in the concrete slab and install the Vapor Pin™ as per the Standard Operating Procedure (SOP). For a flush-mount installation, drill the 1-1/2" diameter hole first, and follow Use of the Vapor Pin™ Drilling Guide and Secure Cover. Testing evacuated ("Summa") canisters and regulators in accordance with ASTM standard D7663-11 or Restek Corporation's *A Guide to Whole Air Canister Sampling* prior to starting field work eliminates most risk of leakage when sampling with the Vapor Pin™.

2. Install the Vapor Pin™ as described in the SOP Installation and Extraction of the Vapor Pin™.

3. Clean the slab within a 2-inch radius of the Vapor Pin™ to remove all dust. Avoid wetting the concrete or wait until the concrete is dry before proceeding, and avoid cleaning with VOC-containing substances. A whisk broom or shop vacuum is recommended. Remaining dust can be picked up with a scrap of clay.

4. For a flush-mount installation, water is poured directly into the 1-1/2" depression without the need for a water dam - proceed to the next step. For a stick-up installation, roll a 1-inch diameter ball of clay between your palms to form a "snake" approximately 7 inches long and press it against the end of the 2" pipe couple. Push the couple against the slab to form a seal between the pipe and the concrete. Notice that water soluble clays such as Play-Doh may absorb enough water to be unsuitable for tests lasting more than one hour.

5. Assemble the sample train (tubing, sample canister, tee fittings, stopcock, vacuum pump, etc.) separately from the Vapor Pin™ and impose a vacuum of 15" mercury equivalent (in Hg). Close the stopcock and verify that the sample train can hold a vacuum for one to five minutes with no more than 0.5 in Hg loss of vacuum. Depending on sample configuration, the stopcock might or might not remain in the sample train during sampling. An example is shown in Figure 1.

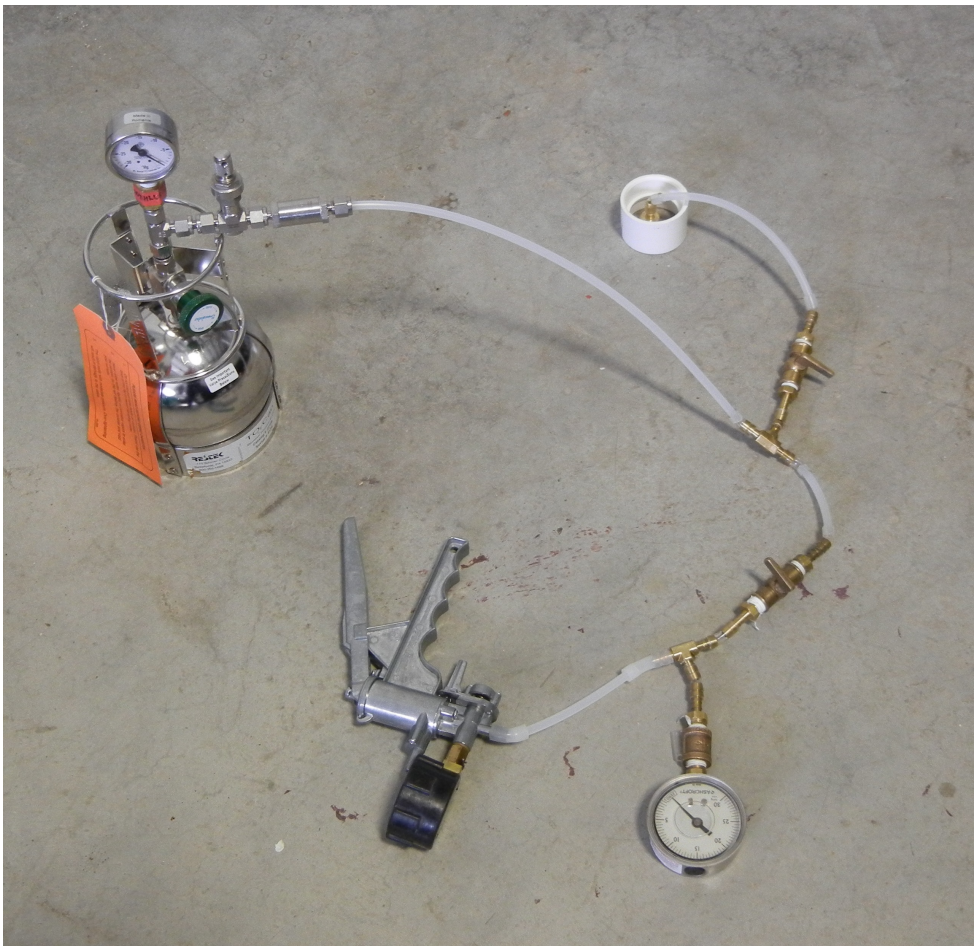


Figure 1. Example of Sub-Slab Sampling and Leak-Test Setup

6. Attach the sample tubing to the top of the Vapor Pin™ and pour enough distilled water into the pipe couple or flush-mount depression to immerse the tubing connection to the Vapor Pin™.

7. Purge and sample the sample point as required by the data quality objectives. Water level might drop slightly due to absorption into the concrete, but if there is a sudden drop in water level, the appearance of water in sample tubing, or other indication of water entering the sub-slab, remove the distilled water from the couple or depression, and reposition the Vapor Pin™ to stop the leakage before resuming the leak test and sampling. In Figure 1, the stopcocks are used to isolate the Vapor Pin™ during vacuum testing and subsequently to allow the vacuum gauge and hand pump to be removed prior to sampling.

Soil Vapor Sampling Well Installation and Sampling Field Protocol

Preliminary Activities

Prior to the onset of field activities at the site, Cardno obtains the appropriate permit(s) from the governing agency(s). Advance notification is made as required by the agency(s) prior to the start of work. Cardno marks the borehole locations and contacts the local one call utility locating service at least 48 hours prior to the start of work to mark buried utilities. Borehole locations may also be checked for buried utilities by a private geophysical surveyor. Prior to drilling, the borehole location is cleared in accordance with the client's procedures. Fieldwork is conducted under the advisement of a registered professional geologist and in accordance with an updated site-specific safety plan prepared for the project, which is available at the job site during field activities.

Well Construction

The borehole is advanced to the desired depth using either a direct-push rig, hand auger, or air vacuum rig. Lithologic conditions are recorded on a boring log during borehole advancement, and select soil matrix sampling may be conducted based on soil characteristics.

Each soil vapor sampling (SVS) well is constructed using inert screen material attached to $^1/_8$- to ¼-inch outer diameter inert tubing. A gas-tight vacuum fitting or valve is attached to the top of each length of tubing using a female compression fitting. Each screen is set within a minimum of a 12-inch thick appropriately sized sand pack, with a minimum of 3 inches of sand pack above the top of the screen. A minimum of 4 inches of dry granular bentonite is set above each screen and associated sand pack. In SVS wells with multiple and separate casings and screens, the annular space between the top of the dry granular bentonite above the deep screen and the bottom of the sand pack associated with the shallow screen is sealed with a minimum of 18 inches of hydrated bentonite. The remainder of the annular space of the well is sealed with hydrated bentonite to 1 foot below ground surface. Wellheads are finished with traffic-rated well boxes set in concrete flush with the surrounding grade. No glues, chemical cements, or solvents are used in well construction.

A boring log is completed with the construction details for each well, including the materials of construction, depth of the borehole, screen length, and annular seal thickness.

Soil Vapor Sampling

Samples are collected using a soil vapor purging and sampling manifold consisting of a flow regulator, vacuum gauges, vacuum pump, shroud, and laboratory-prepared, gas-tight, opaque containers such as Summa™ canisters. Samples may also be collected using a syringe and analyzed by a mobile laboratory. Prior to use, Summa™ canisters are checked to ensure they are under the laboratory induced vacuum between 31 and 25 inches of mercury (in. Hg). New inert tubing is used to purge and sample each well. Prior to purging and sampling each SVS well, the sampling manifold is connected to the gas-tight vacuum fitting or valve at the wellhead, and the downstream tubing and fittings are vacuum tested at approximately 24 to 28 in. Hg. Purging and sampling are conducted only on SVS wells when the tubing and fittings hold the applied vacuum for 5 minutes per vacuum gauge reading.

When required, Cardno conducts a purge volume versus constituent concentration test on at least one SVS well prior to purging and sampling activities. The purge volume test well is selected based on the location of the anticipated source of chemical constituents at the site and on the location of anticipated maximum soil vapor concentrations based on lithologic conditions. If the SVS well has been in place for more than 1 week, it is assumed that soil vapor in the sand pack has equilibrated with the surrounding soil, and only the screen and tubing volumes are included in the purge volume calculation. If the SVS well has been in place for less than 1 week, the volume of the sand pack around the screen is included in the purge volume calculation. A photo-ionization detector (PID) or on-site mobile laboratory is used to evaluate concentrations of chemical constituents in the vapor stream after 1, 3, and 10 volumes of vapor have been purged from the SVS well. Purging is conducted at a rate of 100 to 200

milliliters per minute (ml/min). The purge volume exhibiting the highest concentration is the volume of vapor purged from each SVS well prior to sampling. If the three separate purge volumes produce equal concentrations a default of 3 purge volumes is extracted prior to sampling.

Prior to sampling, a helium leak test is performed at each SVS well, including a summa canister and its fittings, to check for leaks in the SVS annulus. To assess the potential for leaks in the SVS well annulus, a shroud is placed over the SVS well and summa canister and the shroud is filled with a measured amount of helium. Helium screening is performed in the field by drawing soil gas into a Tedlar bag via a lung-box and screening the contents of the Tedlar bag with a helium meter. The concentration of helium in the sample divided by the concentration of helium in the shroud provides a measure of the proportion of the sample attributable to leakage. A leak that comprises less than 5% of the sample is insignificant. Helium screening is also performed using laboratory analysis of the contents of the summa canister collected under the shroud. Sampling is conducted at approximately the same rate of purging, at 100 to 200 ml/min. Soil vapor samples are submitted under chain-of-custody protocol for the specified laboratory analyses.

At a minimum, weather conditions (temperature, barometric pressure and precipitation), the sampling flow rate, the purge volume, the helium leak detection percentage results, the sample canister identification number, the method of sample collection, and the vacuum of the sampling canister at the start and end of sample collection (if applicable) are recorded on a log for each SVS well purged and sampled.

Decontamination Procedures

If soil samples are collected, Cardno or the contracted driller decontaminates the soil sampling equipment between each sampling interval using a non-phosphate solution, followed by a minimum of two tap water rinses. De-ionized water may be used for the final rinse. Downhole drilling equipment is steam-cleaned or triple-rinsed prior to advancing each borehole.

Waste Treatment and Disposal

Soil cuttings generated from the well installation are stored on site in labeled, Department of Transportation-approved, 55-gallon drums or other appropriate storage container. The soil is removed from the site and transported under manifest to a client- and regulatory-approved facility for recycling or disposal. Decontamination water is stored on site in labeled, regulatory-approved storage containers, and is subsequently transported under manifest to a client- and regulatory-approved facility for disposal or treated with a permitted mobile or fixed-base carbon treatment system.