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Ms. Barbara Jakub
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, CA 9502-6577

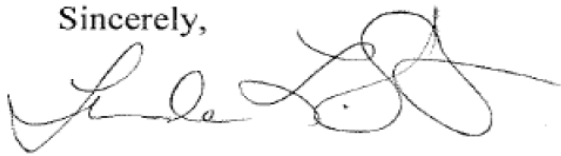
Subject: Former Val Strough Chevrolet Site
327 34th Street, Oakland, CA
Site ID #3035, RO#0000134

Dear Ms. Jakub:

This enclosed report has been prepared by LRM Consulting, Inc. on behalf of the Strough Family Trust. I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

If you have any questions, please contact Mr. Mehrdad Javaherian of LRM Consulting, Inc. at 650-343-4633.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda L. Strough". The signature is fluid and cursive, with a large loop at the end.

Linda L. Strough, Trustee

cc: Mehrdad Javaherian, LRM Consulting, Inc.
534 Plaza Lane, #145, Burlingame, CA 94010

Greggory Brandt, Wendel Rosen Black & Dean
1111 Broadway, 24th Floor, Oakland, CA 94607



**THIRD QUARTER 2014
POST-REMEDIATION GROUNDWATER MONITORING REPORT**

Former Val Strough Chevrolet Site
327 34th Street, Oakland, California
Fuel Leak Case No. RO0000134

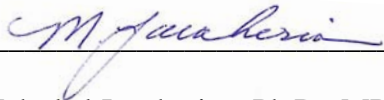
Prepared by
LRM Consulting, Inc.
1534 Plaza Lane, #145
Burlingame, CA 94010

October 2014

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Prepared by
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1534 Plaza Lane, #145
Burlingame, CA 94010



Mehrdad Javaherian, Ph.D., MPH, PE, LEED[®] GA
Principal



October 2014



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1.0 INTRODUCTION

At the request of the Strough Family Trust of 1983, LRM Consulting, Inc. (LRM) has prepared this *Third Quarter 2014 Post Remediation Groundwater Monitoring Report* for the former Val Strough Chevrolet located in Oakland, California. This report documents the procedures and findings of the September 30, 2014 groundwater monitoring event reflecting water level and/or quality reporting for all existing onsite wells per the augmented monitoring programmed discussed with the Alameda County Health Care Services Agency (ACHCSA). This monitoring event marks the first of four post-remediation rounds of quarterly monitoring planned following termination of high-vacuum dual phase extraction (HVDPE) operations on June 20, 2014, and in support of site closure.

The scope of groundwater monitoring for this quarter corresponded to gauging and sampling from the eleven onsite monitoring wells (MW1, MW2, MW3, MW4, MW5, MW6, MW7, MW8, MW9A, MW9B, and O1).

1.1 General Site Information

Site name:	Former Val Strough Chevrolet
Site address:	327 34 th Street, Oakland, California
Current property owner:	Strough Family Trust of 1983
Current site use:	Automotive Dealership and Service Center
Current phase of project:	Groundwater monitoring and evaluation of need and approaches for additional remediation
Tanks at site:	Two former tanks (1 gasoline, 1 waste-oil) removed in 1993
Number of wells:	12 (all onsite)
Site ID #:	3035
RO #:	0000134

1.2 Site Contacts

Consultant:	Mehrdad Javaherian, Ph.D., MPH, PE, LEED®GA LRM Consulting, Inc. 1534 Plaza Lane, # 145 Burlingame, CA 94010 (415) 706-8935
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Regulatory agency:	Karel Detterman, P.G. Alameda County Health Services Agency 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (510) 337-9335
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2.0 SITE BACKGROUND

2.1 Site Description

Site Location and Land Use: The former Val Strough Chevrolet site is currently an active Honda automobile dealership and service center located on the southwestern corner of the intersection of Broadway (Auto Row) and 34th Street (Figure 1). The property is located south of Interstate 580. Land use in the area is primarily commercial.

The site is situated approximately two miles east of San Francisco Bay at approximately 61 feet above mean sea level (msl) (Environmental Data Resources [EDR], 2003). The land surface in the vicinity slopes downward toward the south. The nearest surface water body is Lake Merritt, located approximately 1 mile south of the site (Figure 1).

Site Features: The site consists of a multi-level building and an adjacent parking lot (Figure 2). The former fuel dispenser and underground storage tanks (USTs) were located in the northwestern portion of the site. Eleven groundwater monitoring wells are located at the site (see Figure 2). Construction details for the wells are presented in Table 1.

Underground Utilities: A box culvert for a former tributary of Glen Echo Creek is located approximately 17 feet below ground surface (bgs) in the eastern portion of the site (Figure 2). The culvert consists of a reinforced concrete box measuring 5 feet by 6 feet. During the winter of 1983, a section of the culvert collapsed and was replaced with a 5-foot-diameter pipeline.

Sanitary sewer, electrical, and natural gas utilities are generally present at depths less than 2 feet bgs at the site. Approximately 40 feet north of the site, along the northern edge of 34th Street, a storm sewer pipeline routes storm water and waste water toward the east and into the box culvert. Sanitary sewer lines trend parallel to both 34th Street and Broadway, north and east of the site, respectively. A lateral pipeline located along the western edge of the site connects to the sanitary sewer line below 34th Street. Natural gas service is located on the east side of the site. Water service appears to enter the site from the north.

Water Supply Well Search: A 2003 report compiled by EDR indicates that there are no federal U.S. Geological Survey wells and no public water supply wells located within a 1-mile radius of the site. No water supply wells were identified by the Alameda County Department of Public Works within a ½-mile radius of the site (ETIC Engineering, Inc. [ETIC], 2003).

2.2 Summary of Previous Investigations and Monitoring Activities

As presented in previous reports, the USTs were removed and multiple investigations were conducted; eleven groundwater monitoring wells were installed on the site during these investigations. In addition, a routine groundwater monitoring program has been in place since 1993. The following paragraphs summarize the findings of these activities.

Site Hydrogeology: In general, the site is underlain by silt and clay to depths ranging from approximately 15 to 20 feet bgs. Silty sand and fine-grained sand interbedded with thin clay intervals are encountered from approximately 20 feet bgs to the total explored depth of 40 feet bgs.

The depth to groundwater beneath the site has ranged from approximately 12.5 to 25 feet bgs. As shown in the modified rose diagram on Figure 2, the direction of groundwater flow is generally toward the southwest to south-southeast, with average hydraulic gradients ranging from approximately 0.01 to 0.03 foot/foot.

Primary Sources: Two USTs (one gasoline and one waste-oil) were located beneath the sidewalk on the northern side of the site. A fuel dispenser was located inside the building (Figure 2). These primary sources of petroleum hydrocarbons were removed from the site in 1993.

Constituents of Potential Concern: Based on the type of fuel stored in the USTs and the results of previous subsurface investigations, the constituents of potential concern (COPCs) at the site include total petroleum hydrocarbons (TPH) quantified as gasoline (TPH-g), benzene, toluene, ethylbenzene, and total xylenes (collectively BTEX), and methyl t-butyl ether (MTBE). TPH quantified as diesel (TPH-d) and TPH quantified as motor oil (TPH-mo) are not routinely detected in groundwater samples and are considered secondary COPCs for the site.

Residual Source Area: Elevated concentrations of TPH-g, BTEX, and MTBE have been observed in soil in the vadose zone and upper portion of the water-bearing zone near the former USTs and fuel dispenser. Separate phase petroleum hydrocarbons (SPH) have been intermittently detected in wells MW2, MW3, and MW9A, and have been subject to removal via hand-bailing upon detection. The available data suggest that most of the residual petroleum hydrocarbon mass is present near the former USTs and fuel dispenser, herein referred to as the residual source area; this is corroborated by the dissolved groundwater data discussed below. Additional wells installed within this residual source area include MW9A/9B and O1, in addition to DPE1.

Petroleum Hydrocarbon Distribution in Groundwater: The highest historical concentrations of petroleum hydrocarbons have been detected in samples collected from wells MW2, MW3, MW9A/9B, and O1, located immediately downgradient of the former USTs and within the previously defined residual source area. Significantly lower levels of petroleum hydrocarbons

have been detected in samples collected from well MW4 and the other site wells located downgradient and outside of the residual source area. The extent of dissolved-phase petroleum hydrocarbons in groundwater is largely defined by relatively low and stable TPH-g, BTEX, and MTBE concentrations detected in downgradient and cross-gradient monitoring wells MW5, MW6, MW7, and MW8 (Tables 2 and 3). The residual source area was accordingly targeted for DPE remediation as discussed below.

2.3 Summary of Interim Remedial Action Activities

In addition to the routine groundwater monitoring activities, remediation pilot testing and remediation activities were conducted at the site between 2004 and 2006. A summary of these activities and associated regulatory correspondence with the ACHCSA are presented below.

DPE Pilot Test: In March 2004, ETIC performed a DPE pilot test at the site. As summarized in the June 2004 *Dual Phase Extraction Pilot Test and Interim Remedial Action Plan* (DPE and IRAP Report), vacuum was applied to source area wells MW2 and MW3 while water and vacuum levels were measured in nearby monitoring wells. The DPE pilot test induced more than 1 foot of drawdown up to 50 feet from the extraction wells and an estimated radius of vacuum influence of 55 to 70 feet. Based on vapor flow rates and petroleum hydrocarbon concentrations in the vapor stream during the short-term pilot test, removal rates of approximately 90 pounds of petroleum hydrocarbons per day were estimated.

June 2004 DPE and IRAP Report: The DPE and IRAP Report (ETIC, 2004) described the planned reduction of residual petroleum hydrocarbon mass in the source area through installation and temporary operation of a DPE system and dual phase extraction (extracting soil vapor and groundwater simultaneously) from source area wells MW-2 and MW-3. The system was designed to consist of a knockout vessel to be used for separation of the soil vapor and water streams. A thermal oxidizer (with propane as a supplemental fuel) was proposed for treatment of extracted vapor, and aqueous-phase granular activated carbon was proposed for treatment of extracted groundwater.

Interim Remedial Action: Between February 2005 and June 2006, ETIC operated a DPE system on site. Vacuum was applied to remove groundwater and soil vapor from up to two wells (MW2 and/or MW3). The system was temporarily shutdown on January 30, 2006 for conversion of vapor treatment from thermal oxidation to carbon filtration, and remained offline until May 22, 2006, when it was restarted. Because the mass removal rates by the DPE system had reached asymptotic levels and high petroleum hydrocarbon concentrations continued to exist in extraction wells MW2 and MW3 despite the DPE operation, the benefit of continuation of DPE in its current configuration was considered to be low and the DPE operation was ceased on June 30, 2006. ETIC subsequently dismantled the remediation system and removed the skid mounted DPE unit from the site.

August 2006 LRM Consulting, Inc. Correspondence and 11 December 2006 LRM Supplemental Source Area Investigation Work Plan: In an August 25, 2006 correspondence, LRM notified ACHCSA of a project consultant change from ETIC to LRM. Also, based on a review of the available site data, the response of the petroleum hydrocarbon concentrations to past DPE operations, and ACHCSA's comments on ETIC's Work Plan, LRM recommended a technical meeting with ACHCSA to discuss the project direction. However, because of other commitments of Mr. Don Hwang and other ACHCSA staff, a technical meeting could not be scheduled. During an October 19, 2006 telephone conversation with Mr. Hwang, LRM presented an approach to conduct a supplemental investigation to define the magnitude and extent of the residual source area in the vicinity of the former fuel dispenser and wells MW2 and MW3. Based on these discussions and as agreed by Mr. Hwang, a supplemental source area investigation work plan outlining the proposed scope of work was prepared and submitted to ACHCSA on December 11, 2006. This work plan was revised through multiple discussions with Ms. Donna Drogos of ACHCSA and was finalized in December of 2007. The subject investigation was conducted beginning on December 12, 2007; the results of the investigation were documented in a report to ACHCSA (LRM, 2008a).

August 2008 –September 2010. LRM Consulting, Inc. IRAP Activities: In response to a request by Ms. Barbara Jakub of ACHCSA, LRM proposed a series of site investigation and pilot testing activities to address the residual source area at the site in the August 25, 2008 IRAP report. These activities included: 1) soil and grab groundwater sampling to vertically characterize the extent of petroleum hydrocarbons within the residual source area previously encountered during the supplemental investigation referenced above; 2) grab groundwater sampling along the existing culvert at the site to evaluate the potential for preferential migration of petroleum hydrocarbons along the culvert backfill; 3), placement of a groundwater monitoring well (MW8) at the downgradient site boundary to define the downgradient extent of petroleum hydrocarbons; and 4) pilot testing activities including injection and observation well installation and pilot testing protocols for implementation of in-situ oxygen curtain (iSOC) technology within the residual source area.

The investigation activities associated with the IRAP, including installation of additional monitoring wells MW9A and MW9B, were completed by July 2009. On January 13, 2010, an addendum to the IRAP was prepared by LRM, reflecting a proposed change from iSOC technology originally outlined in the IRAP, due to petroleum hydrocarbon concentrations which were determined to be too elevated for treatment via iSOC technology. Specifically, pilot testing of in-situ chemical oxidation (ISCO) technology was proposed for the residual source area instead of iSOC. The IRAP Addendum was approved by ACHCSA in their letter dated April 22, 2010.

The IRAP pilot testing included three rounds of RegenOx injections from August 15 through September 13, 2010 within a depth interval of 15 to 40 feet bgs, per the approved IRAP.



IRAP activities were reported to ACHCSA via a Technical Memorandum dated October 6, 2010, with post-injection groundwater monitoring results documented in subsequent groundwater monitoring events. To summarize, over 9,500 gallons of RegenOx were injected into the residual source area via 20 direct-push borings during the three injection events. The table below summarizes the pre- and post-injection groundwater concentrations within the residual source area.

**Pre- and Post-Injection Groundwater Quality Data
 Former Val Strough Chevrolet Site, Oakland, CA**

Well Number	Date	SPH Thickness (feet)	Concentration (µg/L)					DO (mg/L)	Comment	
			Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g			
MW2	05/28/10	0.00	260	1,100	650	4,700	23,000	2	Pre-injection event	
MW2	08/26/10	0.00	160	980	490	4,200	22,000	16	Sampling following first injection event	
MW2	09/20/10	0.00	52	360	210	1,600	8,800	18	Sampling following third injection event	
MW2	12/22/10	0.00	130	1,100	430	6,000	26,000	1.6	Sampling two months after final (3rd) injection event	
MW2	03/16/11	0.00	430	1700	490	3,700	29,000	3.5	Sampling six months after final (3rd) injection event	
MW3	05/28/10	0.00	1,200	4,600	920	4,800	31,000	2	Pre-injection event	
MW3	08/26/10	sheen	Not Sampled due to Free Product							Sampling following first injection event
MW3	09/20/10	SPH Sheen-Removed	2,700	13,000	2,900	18,000	110,000	11.3	Sampling following third injection event	
MW3	12/22/10	0.20	Not Sampled due to Free Product							Sampling two months after final (3rd) injection event
MW3	03/16/11	0.00	4,000	16,000	2,800	15,000	91,000	4.2	Four weekly SPH bailing events performed from 1/6/11 to 2/6/11. No SPHs detected after 2/6/11. Sampling six months after final (3rd) injection event	
MW9A	05/28/10	0.02	Not Sampled due to Free Product							Pre-injection event
MW9A	08/26/10	0.00	2,600	19,000	3,000	22,000	150,000	10.3	Sampling following first injection event	
MW9A	09/21/10	0.00	1,400	9,600	1,600	12,000	70,000	20.9	Sampling following third injection event	
MW9A	12/22/10	0.00	4,400	17,000	1,900	13,000	83,000	NA	Sampling two months after final (3rd) injection event	
MW9A	03/16/11	0.00	4,900	22,000	2,800	20,000	130,000	1.5	Sampling six months after final (3rd) injection event	
MW9B	05/28/10	0.00	31	75	150	270	2,900	2	Pre-injection event	
MW9B	08/26/10	0.00	13	160	310	2,000	14,000	40	Sampling following first injection event	
MW9B	09/20/10	0.00	6.7	110	140	830	6,200	26.9	Sampling following third injection event	
MW9B	12/22/10	0.00	<0.5	2.6	1.1	9.9	140	5.3	Sampling two months after final (3rd) injection event	
MW9B	03/16/11	0.00	22	39	47	290	3,500	4.5	Sampling six months after final (3rd) injection event	
O1	05/28/10	0.00	610	2,000	1,000	4,200	21,000	1.4	Pre-injection event	
O1	08/26/10	0.00	29	160	59	680	5,000	39	Sampling following first injection event	
O1	09/20/10	0.00	24	140	28	330	2,000	24.7	Sampling following third injection event	
O1	12/22/10	0.00	9.8	35	3.4	30	460	2.3	Sampling two months after final (3rd) injection event	
O1	03/16/11	0.00	200	440	240	850	6,900	2.8	Sampling six months after final (3rd) injection event	

Notes:

Data collected on 5/28/10 represents baseline sampling event and corresponds to 2nd Quarter 2010 groundwater monitoring event
 Data collected on 8/26/10 represents sampling event following first round of RegenOx injection that was conducted from August 15 to 17, 2010.
 Data collected on 9/20/10 represents sampling event following the third round of RegenOx injection that was conducted from September 12 to 13, 2010.

As indicated in the above table, the following observations were made in each of the following wells:

- MW2: ISCO injections resulted in a reduction in TPH-g concentrations from 23,000 ug/L to 8,800 ug/L; however, within two to six months after the final injection event, the TPH-g concentrations rebounded to pre-injection concentrations.

- MW3: ISCO injections appear to have induced migration of SPHs from the surrounding area into this well; hence, sampling of groundwater was limited in this well during ISCO activities. SPHs have been bailed out of this well per ACHCSA request and TPH-g concentrations remain at elevated levels.
- MW9A: ISCO injections resulted in a decline in TPH-g concentration from a pre-injection concentration of 150,000 ug/L to a post-injection concentration of 70,000 ug/L. Six months following the final injection event, the TPH-g concentrations rebounded to pre-injection concentrations.
- MW9B: TPH-g concentrations increased from 2,900 ug/L to 14,000 ug/L following the first injection event (likely due to dissolution of adsorbed petroleum hydrocarbons in soils), but declined significantly (to 140 ug/L) during the subsequent injection events. Six months following termination of injection activities, the TPH-g concentration in this well rebounded to pre-injection levels.
- O1: TPH-g concentrations in this well declined from a pre-injection concentration of 21,000 ug/L to post-injection concentration of 460 ug/L. Rebounded concentrations (6,900 ug/L) remain significantly below the pre-injection concentration six months after the final injection event.

Based on the ISCO pilot test results, it is evident that ISCO can be an effective technology in reducing hydrocarbon concentrations within the residual source area, including dissolution of concentrated hydrocarbons adsorbed to soils and reductions of dissolved TPH-g concentrations from 150,000 ug/L to 70,000 ug/L in a short period. The pilot test further revealed the ability of this technology to increase dissolved oxygen (DO) levels in injection areas, creating conditions for longer-term, natural biodegradation; however, the post-pilot test results further indicate that a significant hydrocarbon mass, including residual SPHs, remains trapped in the fine-grained soils within the localized residual source area, capable of yielding elevated dissolved concentrations following cessation of ISCO injections.

While SPHs observed during the pilot testing were bailed and remained absent during the two quarterly monitoring events (including the second quarter 2011 monitoring event) following the pilot testing, SPHs remain trapped near existing monitoring wells within the residual source area; this is evidenced by the results of the 4th Quarter 2011 monitoring event. Combined, these data suggest that a larger-scale application (i.e., compared to a pilot-scale application applied per the IRAP) of RegenOx is necessary to reduce and maintain lower levels of hydrocarbon impacts in groundwater within the residual source area; however, these applications may be greatly benefited by a broader effort to remove SPHs in advance of the ISCO injections.

To this end and per ACHCSA's request, LRM prepared a Corrective Action Plan (CAP) which has been approved and finalized following completion of ACHCSA and the public

review process. The CAP outlined two preferred remedial alternatives to address groundwater and SPH impacts in the residual source area, with permitted DPE activities to address SPHs initiated on July 2, 2012. As discussed below, the DPE system was operated from June 2012 through June 2014, with this report marking the first post-remediation quarterly groundwater monitoring event approximately three months following termination of the DPE system.

2.4 Full-Scale DPE Remediation Activities

Full-scale remediation of hydrocarbons within the residual source area using DPE was performed from June 2012 through June 2014. This included DPE applied to MW-2, MW-3, and DPE-1, located within the residual source area.

Based on O&M sapling results summarized in Tables 4 and 5, a total cumulative mass of 5,263 pounds of TPH-g in vapor phase has been removed from June 2012 through June 2014. During this period, an additional 35.4 pounds of TPH-g has been removed in liquid phase. As discussed later herein, the mass removal referenced above resulted in continued declines in hydrocarbon concentrations in most source area wells.

DPE operations were terminated on June 20, 2014 in response to both reduced hydrocarbon levels in groundwater, but also measurable reductions in hydrocarbon mass removal rates through DPE. This round of monitoring marks the first of four post-remediation quarterly groundwater monitoring events in support of site closure.

3.0 PROTOCOLS FOR GROUNDWATER MONITORING

The following sections of this report present information relevant to the methods employed during the collection of groundwater samples from site wells on September 30, 2014. The scope of work for the quarterly groundwater monitoring event at the site is listed below.

- Checking wells for SPHs.
- Gauging the depth to groundwater in eleven site wells.
- Purging the monitoring wells prior to sampling.
- Collecting and analyzing groundwater samples from all onsite wells.
- Estimating the hydraulic gradient and general flow direction.
- Evaluating the data and preparing a written report summarizing the results of the monitoring event.

3.1 Groundwater Gauging

For this round of monitoring, groundwater gauging was performed for eleven onsite wells. The monitoring wells were opened prior to gauging to allow the groundwater level to

equilibrate with atmospheric pressure. The depth to groundwater and depth to SPH, if present, were then measured to the nearest 0.01 feet using an electronic water level meter or optical interface probe. The measurements were made from a fixed reference point at the top of the well casing. Field data forms are presented in Appendix A, indicating the absence of SPHs within the residual source area during this round of monitoring.

3.2 Well Purging

Following well gauging, three well casing volumes of water were purged from wells scheduled to be sampled, and field parameters including temperature, pH, specific conductance, turbidity, dissolved oxygen (DO) and oxidation-reduction potential (ORP) were measured; these data are summarized in Appendix A.

3.3 Groundwater Sampling

After purging, groundwater was collected at each well scheduled to be sampled using dedicated tubing and a WaTerra inertial pump, or a disposable bailer. Sample containers were sealed, labeled, stored in a cooler and transported under chain-of-custody protocol to Kiff Analytical LLC (Kiff), a state-certified analytical laboratory in Davis, California.

Groundwater analytical results and chain-of-custody documentation are presented in Appendix B.

4.0 MONITORING RESULTS

4.1 Separate-Phase Hydrocarbon Monitoring

The wells were monitored for the presence of SPH using a disposable bailer and/or interface probe. SPHs were not detected during this round of monitoring, marking the 9th consecutive quarter where SPHs have remained absent from the site.

4.2 Groundwater Elevation and Hydraulic Gradient

The groundwater elevation contour map (Figure 2) for this monitoring event was constructed based on depth-to-groundwater measurements collected during the current sampling event. Depth-to-groundwater measurements and calculated groundwater elevations are presented in Table 2.

On October 30, 2014, the depth to groundwater beneath the site ranged from 14.85 (MW8) to 23.89 (MW5) feet bgs (Table 2). Using the results from the third quarter 2014 groundwater monitoring event, the hydraulic gradient is estimated at an average of 0.013 ft/ft, with a general flow direction away from the residual source area toward the southwest (see Figure 2).

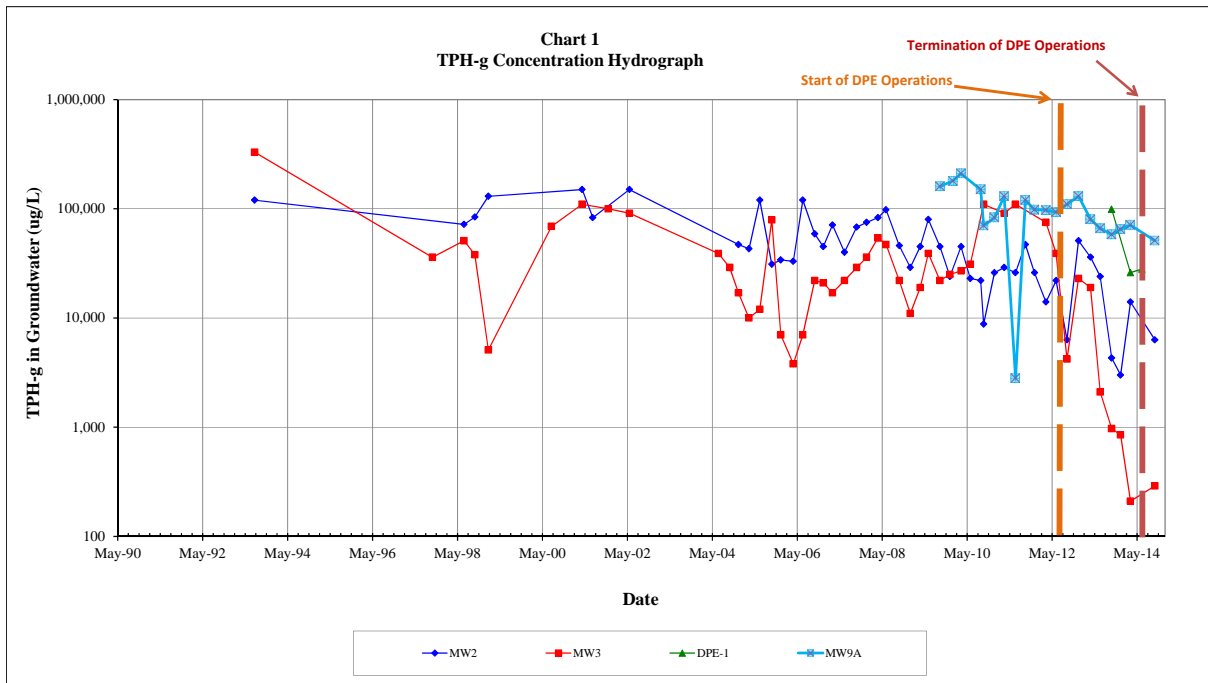
4.3 Groundwater Analytical Results

On September 30, 2014, groundwater samples were collected from wells MW1, MW2, MW3, MW4, MW5, MW6, MW7, MW8, MW9A, MW9B, and O1, and analyzed by Kiff Analytical Inc. of Davis, California for TPH-g, BTEX, and MTBE by U.S. Environmental Protection Agency (EPA) Method 8260B and for TPH-d and TPH-mo by modified EPA Method 8015 with silica gel cleanup.

Analytical results for this event are presented on Figure 3, and current and historical petroleum hydrocarbon analytical results are presented in Table 2. Copies of the chain-of-custody and laboratory analytical reports for the groundwater samples are presented in Appendix B. Key analytical results for petroleum hydrocarbons are summarized below:

- As indicated on Figure 3, the residual hydrocarbon plume remains limited in extent and entirely within the site boundaries.
- TPH-g was detected in samples collected from wells MW2, MW3, MW9A, MW9B, and O1. The maximum TPH-g concentration was detected at well MW9A (51,000 micrograms per liter [ug/L]) which is a slight decline compared to the concentration (58,000 ug/L) detected in this well in June 2014. With TPH-g also reducing in MW2 (from 9,400 ug/L to 6,300 ug/L) relative to the June 2014 monitoring event, TPH-g levels do not exhibit a rebound since termination of the DPE system.
- Benzene was detected in the samples collected from wells MW2, MW3, MW9A, and O1. The maximum benzene concentration was detected at well MW9A (370 µg/L) which marks a slight increase relative to June 2014. Benzene concentrations in the remaining wells with the residual source area wells MW2 (43 ug/L) and MW3 24 ug/L) remain at residual levels.
- MTBE was detected in the samples from wells MW1, MW2, MW4, MW6, MW9A, MW9B, and O1. The maximum MTBE concentration of 190 µg/L occurred in well MW4. This closely approximates the MTBE concentration reported in this well in March 2014. MTBE concentrations in the other wells referenced above occurred at residual levels.

The chart below depicts TPH-g concentration trends for wells MW2, MW3, and MW9A, and DPE1, located within the residual source area. The hydrocarbon concentrations within the residual source area this quarter continue to exhibit a declining or stable trend, despite termination of the DPE operations approximately 3 months prior to the sampling event; therefore, absent any changes in results over the next three quarters, the site will petitioned for closure.



5.0 PLANNED ACTIVITIES

With the results of this monitoring event indicating the absence of rebounding concentrations three months after termination of the DPE system, the system will remain terminated and the second of four post-remediation quarterly monitoring events is planned for January, 2015.

6.0 REFERENCES

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TABLES

TABLE 1 WELL CONSTRUCTION DETAILS
FORMER VAL STROUGH CHEVROLET, 327 34th STREET OAKLAND, CALIFORNIA

Well ID	Well Installation Date	Top-of-Casing Elevation* (feet)	Casing Material	Total Depth of Borehole (ft bgs)	Casing Diameter (inches)	Screened Interval (ft bgs)	Slot Size (inches)	Filter Pack Interval (ft bgs)	Filter Pack Material
MW1	7/19/1993	64.71	PVC	32	2	17 to 32	0.020	15 to 32	Gravel Pack
MW2	7/20/1993	65.71	PVC	33	2	18 to 33	0.020	16 to 33	Gravel Pack
MW3	7/20/1993	65.7	PVC	34	2	18 to 34	0.020	16 to 34	Gravel Pack
MW4	6/26/1998	64.37	PVC	31	2	15 to 31	0.020	13 to 31.5	Lonestar #3 Sand
MW5	6/26/1998	65.59	PVC	31	2	15 to 31	0.020	13 to 31.5	Lonestar #3 Sand
MW6	7/17/2000	59.60	PVC	31.5	2	10 to 30	0.020	8 to 30	Lonestar #3 Sand
MW7	7/17/2000	59.49	PVC	36.5	2	15 to 35	0.020	13 to 35	Lonestar #3 Sand
MW8	12/17/2008	57.07	PVC	26	1	11 to 26	0.010	9 to 26	#2/12 Sand
O1	12/12/2008	65.91	PVC	40	2	15 to 40	0.020	13 to 40	#3 Sand
MW9A	7/15/2009	65.90	PVC	25	2	15 to 25	0.020	14 to 25	#3 Monterey Sand
MW9B	7/15/2009	65.85	PVC	39	2	29 to 39	0.020	28 to 39	#3 Monterey sand

Abbreviations:

ft bgs feet below ground surface
PVC Polyvinyl chloride.

Note:

* Elevations Based on Survey Conducted in 1st Quarter 2009 relative to NAVD88 datum. Wells O1, MW9A, and MW9B were surveyed on November 12, 2009.

TABLE 2 CUMULATIVE GROUNDWATER ELEVATION AND ANALYTICAL DATA
FORMER VAL STROUGH CHEVROLET, 327 34th STREET OAKLAND, CALIFORNIA

Well Number	Date	Casing Elevation (feet)	Depth to Water (feet)	GW Elevation (feet)	SPH Thickness (feet)	Concentration (µg/L)								
						Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	TPH-mo	MTBE	TBA
MW1	07/27/93	100.00	a 20.79	79.21	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	--	--	--
MW1	10/02/97	100.00	a 21.22	78.78	0.00	<0.50	<0.50	<0.50	<0.50	<50	--	--	<2.0	--
MW1	06/30/98	100.00	a 18.21	81.79	0.00	<0.50	<0.50	2.1	0.6	84	--	--	2.1	--
MW1	07/29/98	100.00	a 18.74	81.26	0.00	--	--	--	--	--	--	--	--	--
MW1	08/26/98	100.00	a 19.28	80.72	0.00	--	--	--	--	--	--	--	--	--
MW1	10/01/98	100.00	a 19.93	80.07	0.00	<1.0	<1.0	<1.0	<1.0	<50	--	--	<2.0	--
MW1	10/30/98	100.00	a 20.22	79.78	0.00	--	--	--	--	--	--	--	--	--
MW1	11/30/98	100.00	a 19.99	80.01	0.00	--	--	--	--	--	--	--	--	--
MW1	12/28/98	100.00	a 19.81	80.19	0.00	--	--	--	--	--	--	--	--	--
MW1	01/25/99	100.00	a 19.62	80.38	0.00	<1.0	<1.0	<1.0	<1.0	<50	--	--	<2.0	--
MW1	02/26/99	100.00	a 17.18	82.82	0.00	--	--	--	--	--	--	--	--	--
MW1	03/24/99	100.00	a 17.28	82.72	0.00	--	--	--	--	--	--	--	--	--
MW1	05/12/99	100.00	a 17.91	82.09	0.00	--	--	--	--	--	--	--	--	--
MW1	12/15/99	100.00	a 21.01	78.99	0.00	<0.50	<0.50	<0.50	<0.50	<50	--	--	<0.50	--
MW1	03/20/00	100.00	a 16.25	83.75	0.00	--	--	--	--	--	--	--	--	--
MW1	07/20/00	100.00	a 19.63	80.37	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<300	3.4	--
MW1	10/11/00	100.00	a 20.80	79.20	0.00	--	--	--	--	--	--	--	--	--
MW1	04/10-11/01	100.00	a 18.81	81.19	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<300	1.2	--
MW1	07/10/01	100.00	a 20.51	79.49	0.00	--	--	--	--	--	--	--	--	--
MW1	11/20/01	64.69	b 21.36	43.33	0.00	<0.50	1.3	<0.50	0.81	<50	<50	<300	<2.0	--
MW1	02/19/02	64.69	b 18.95	45.74	0.00	--	--	--	--	--	--	--	--	--
MW1	05/21/02	64.69	b 19.82	44.87	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<300	<2.0	--
MW1	06/27/03	64.69	b 19.93	44.76	0.00	--	--	--	--	--	--	--	--	--
MW1	09/29/03	64.69	b 21.24	43.45	0.00	<0.50	<0.50	<0.50	<1.0	<50	<50	<500	<0.50	--
MW1	12/12/03	64.69	b 21.27	43.42	0.00	<0.50	<0.50	<0.50	1.1	<50	58	<500	<0.50	--
MW1	03/15/04	64.69	b 18.18	46.51	0.00	<0.50	<0.50	<0.50	<1.0	<50	<50	<500	<0.50	--
MW1	06/24/04	64.69	b 20.48	44.21	0.00	<0.50	<0.50	<0.50	<1.0	<50	<50	<500	<0.50	--
MW1	09/29/04	64.69	b 21.37	43.32	0.00	<0.50	0.51	<0.50	<1.0	<50	<50	<500	<0.50	--
MW1	12/13/04	64.69	b 20.63	44.06	0.00	--	--	--	--	--	--	--	--	--
MW1	03/14/05	64.69	b 18.69	46.00	0.00	<0.50	<0.50	<0.50	<1.0	<50	73	<500	<0.50	--
MW1	06/15/05	64.69	b 20.32	44.37	0.00	--	--	--	--	--	--	--	--	--
MW1	09/26/05	64.69	b 22.10	42.59	0.00	<0.50	<0.50	<0.50	<1.0	<50	<50	<500	<0.50	--
MW1	12/12/05	64.69	b 22.39	42.30	0.00	--	--	--	--	--	--	--	--	--
MW1	03/29/06	64.69	b 15.24	49.45	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	74	--
MW1	06/19/06	64.69	b 18.27	46.42	0.00	--	--	--	--	--	--	--	--	--
MW1	09/29/06	64.69	b 20.06	44.63	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	7.9	--
MW1	12/12/06	64.69	b 20.32	44.37	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	9.4	--
MW1	03/01/07	64.69	b 18.68	46.01	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	3.5	--
MW1	06/12/07	64.69	b 20.28	44.41	0.00	--	--	--	--	--	--	--	--	--
MW1	09/25/07	64.69	b 21.37	43.32	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	1.8	--
MW1	12/20/07	64.69	b 21.48	43.21	0.00	--	--	--	--	--	--	--	--	--
MW1	03/26/08	64.69	b 20.98	43.71	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	<0.50	--
MW1	06/03/08	64.69	b 20.70	43.99	0.00	--	--	--	--	--	--	--	--	--
MW1	09/25/08	64.69	b 22.30	42.39	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	0.57	<5.0
MW1	12/29/08	64.69	b 21.77	42.92	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	<0.50	<5.0
MW1	03/24/09	64.71	l 18.68	46.03	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	<0.50	<5.0
MW1	06/02/09	64.71	l 19.60	45.11	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	<0.50	<5.0
MW1	09/10/09	64.71	l 21.20	43.51	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	<0.50	<5.0
MW1	12/04/09	64.71	l 22.86	41.85	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	<0.50	<5.0
MW1	03/10/10	64.71	l 21.06	43.65	0.00	<0.50	0.97	<0.50	1.6	<50	<50	<100	<0.50	--
MW1	05/28/10	64.71	l 21.19	43.52	0.00	--	--	--	--	--	--	--	--	--
MW1	08/26/10	64.71	l 21.82	42.89	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	<0.50	--
MW1	12/22/10	64.71	l 21.42	43.29	0.00	--	--	--	--	--	--	--	--	--

TABLE 2 CUMULATIVE GROUNDWATER ELEVATION AND ANALYTICAL DATA
 FORMER VAL STROUGH CHEVROLET, 327 34th STREET OAKLAND, CALIFORNIA

Well Number	Date	Casing Elevation (feet)	Depth to Water (feet)	GW Elevation (feet)	SPH Thickness (feet)	Concentration (µg/L)									
						Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	TPH-mo	MTBE	TBA	
MW1	03/16/11	64.71	1	19.18	45.53	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	< 0.50	--
MW1	03/16/11	64.71	1	19.18	45.53	0.00	--	--	--	--	--	--	--	--	--
MW1	06/21/11	64.71	1	19.18	45.53	0.00	--	--	--	--	--	--	--	--	--
MW1	09/14/11	64.71	1	20.87	43.84	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	< 0.50	--
MW1	12/01/11	64.71	1	21.69	43.02	0.00	--	--	--	--	--	--	--	--	--
MW1	03/08/12	64.71	1	21.51	43.20	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	< 0.50	--
MW1	06/04/12	64.71	1	19.31	45.40	0.00	--	--	--	--	--	--	--	--	--
MW1	09/06/12	64.71	1	22.10	42.61	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	< 0.50	--
MW1	12/14/12	64.71	1	20.42	44.29	0.00	--	--	--	--	--	--	--	--	--
MW1	03/27/13	64.71	1	21.03	43.68	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	< 0.50	--
MW1	06/18/13	64.71	1	21.55	43.16	0.00	--	--	--	--	--	--	--	--	--
MW1	09/24/13	64.71	1	21.99	42.72	0.00	--	--	--	--	--	--	--	--	--
MW1	03/04/14	64.71	1	21.40	43.31	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	< 0.50	--
MW1	09/30/14	64.71	1	21.96	42.75	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	0.34	--
MW2	07/27/93	101.27	a	22.10	79.17	0.00	10,000	27,000	2,900	20,000	120,000	--	--	--	--
MW2	10/02/97	101.27	a	22.91	78.36	0.43	*	*	*	*	*	*	*	*	--
MW2	06/30/98	101.27	a	19.69	81.58	0.45	7,300	18,000	2,500	15,600	72,000	--	--	5,500	--
MW2	07/29/98	101.27	a	20.11	81.16	0.29	--	--	--	--	--	--	--	--	--
MW2	08/26/98	101.27	a	20.54	80.73	0.08	--	--	--	--	--	--	--	--	--
MW2	10/01/98	101.27	a	21.52	79.75	0.42	6,400	17,000	2,600	17,000	84,000	--	--	2,000	--
MW2	10/30/98	101.27	a	21.54	79.73	0.10	--	--	--	--	--	--	--	--	--
MW2	11/30/98	101.27	a	21.21	80.06	0.04	--	--	--	--	--	--	--	--	--
MW2	12/28/98	101.27	a	21.10	80.17	0.02	--	--	--	--	--	--	--	--	--
MW2	01/25/99	101.27	a	20.80	80.47	0.01	9,000	26,000	3,800	27,500	130,000	--	--	5,800	--
MW2	02/26/99	101.27	a	18.00	83.27	sheen	--	--	--	--	--	--	--	--	--
MW2	03/24/99	101.27	a	18.27	83.00	trace	--	--	--	--	--	--	--	--	--
MW2	05/12/99	101.27	a	19.08	82.19	trace	--	--	--	--	--	--	--	--	--
MW2	12/15-16/99	101.27	a	22.42	78.85	0.025	*	*	*	*	*	*	*	*	--
MW2	03/20/00	101.27	a	17.09	84.18	0.026	--	--	--	--	--	--	--	--	--
MW2	07/20/00	101.27	a	20.86	80.41	0.017	*	*	*	*	*	*	*	*	--
MW2	10/11/00	101.27	a	22.10	79.17	0.00	--	--	--	--	--	--	--	--	--
MW2	04/10-11/01	101.27	a	19.98	81.29	0.00	8,000	22,000	2,600	23,500	150,000	1,500	<600	3,600	--
MW2	07/10/01	101.27	a	21.85	79.42	0.00	5,900	15,000	2,300	12,100	83,000	5,700	<1,500	2,800	--
MW2	11/20/01	65.95	b	22.75	43.20	0.00	--	--	--	--	--	--	--	--	--
MW2	02/19/02	65.95	b	20.12	45.83	0.00	--	--	--	--	--	--	--	--	--
MW2	05/21/02	65.95	b	21.10	44.85	0.00	8,600	25,000	3,500	26,000	150,000	31,000	<3,000	4,800	--
MW2	06/27/03	65.95	b	21.48	44.47	0.35	--	--	--	--	--	--	--	--	--
MW2	09/29/03	65.95	b	23.04	42.91	0.48	*	*	*	*	*	*	*	*	--
MW2 ^e	12/12/03	65.95	b	22.75	43.31	0.16	*	*	*	*	*	*	*	*	--
MW2 ^e	03/15/04	65.95	b	19.24	46.72	0.01	*	*	*	*	*	*	*	*	--
MW2 ^e	06/24/04	65.95	b	22.10	44.06	0.31	*	*	*	*	*	*	*	*	--
MW2 ^e	09/29/04	65.95	b	22.81	43.14	sheen	*	*	*	*	*	*	*	*	--
MW2 ^e	12/13/04	65.95	b	22.06	43.95	0.08	3,700	12,000	1,900	10,000	47,000	2,600	<500	1,200	--
MW2 ^j	03/14/05	65.95	b	25.00	40.95	0.00	780	3,700	920	6,400	43,000	43,000	<5,000	<200	--
MW2	06/15/05	65.95	b	21.14	44.81	0.00	2,900	15,000	2,400	22,000	120,000	13,000	<2,500	810	--
MW2	07/18/05	65.95	b	NM	NC	NM	2,700	13,000	1,800	15,000	120,000	17,000	--	530	--
MW2	09/26/05	65.95	b	22.93	43.02	0.00	570	4,000	620	6,200	31,000	63,000	28,000	<50	--
MW2	12/12/05	65.95	b	25.40	40.55	0.00	670	5,300	1,100	9,800	34,000	2,800	<500	65	--
MW2	03/29/06	65.95	b	15.66	50.29	sheen	620	2,800	540	4,700	33,000	<4,000	<100	37	--
MW2	06/19/06	65.95	b	19.14	46.81	sheen	680	5,200	990	16,000	120,000	<30,000	1,900	170	--
MW2	09/29/06	65.95	b	21.16	44.79	0.00	1,200	5,100	1,200	9,300	59,000	<8000	300	230	--
MW2	12/12/06	65.95	b	21.46	44.49	0.00	850	4,400	1,100	8,900	45,000	<10000	360	110	--
MW2	03/01/07	65.95	b	19.48	46.47	0.00	1,400	5,200	980	9,500	71,000	<18000	460	160	--

TABLE 2 CUMULATIVE GROUNDWATER ELEVATION AND ANALYTICAL DATA
 FORMER VAL STROUGH CHEVROLET, 327 34th STREET OAKLAND, CALIFORNIA

Well Number	Date	Casing Elevation (feet)	Depth to Water (feet)	GW Elevation (feet)	SPH Thickness (feet)	Concentration (µg/L)								
						Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	TPH-mo	MTBE	TBA
MW2	06/12/07	65.95	b 20.98	44.97	0.00	1,300	4,900	1,200	8,900	40,000	<3000	<100	130	--
MW2	09/25/07	65.95	b 22.57	43.38	0.00	1,400	6,500	1,900	13,000	68,000	<12000	250	240	--
MW2	12/20/07	65.95	b 22.70	43.25	0.00	1,400	7,000	2,400	16,000	75,000	<5000	650	270	--
MW2	03/26/08	65.95	b 22.51	43.44	0.00	1,400	6,200	1,800	16,000	83,000	<10000	360	480	--
MW2	06/03/08	65.95	b 21.85	44.10	0.00	1,900	11,000	2,500	18,000	98,000	<12000	500	660	--
MW2	09/25/08	65.95	b 23.30	42.65	0.00	740	3,500	1,700	10,000	46,000	<8000	170	340	180
MW2	12/29/08	65.95	b 22.95	43.00	0.00	260	1,500	1,100	6,400	29,000	<4000	<100	110	<50
MW2	03/24/09	65.71	1 19.58	46.13	0.00	410	2,000	900	8,900	45,000	<8,000	420	300	210
MW2	06/02/09	65.71	1 20.50	45.21	0.00	680	3,100	1,200	10,000	80,000	<12000	480	330	180
MW2	09/10/09	65.71	1 22.40	43.31	0.00	700	3,000	1,300	9,400	45,000	< 8000	190	370	220
MW2	12/04/09	65.71	1 24.30	41.41	0.00	290	1,500	930	4,900	24,000	< 2000	170	200	92
MW2	03/10/10	65.71	1 22.20	43.51	0.00	200	1,300	700	9,500	45,000	< 6,000	< 100	340	--
MW2	05/28/10	65.71	1 22.41	43.30	0.00	260	1,100	650	4,700	23,000	< 8000	170	380	--
MW2	08/26/10	65.71	1 23.00	42.71	0.00	160	980	490	4,200	22,000	<2000	<100	180	--
MW2	09/20/10	65.71	1 NM	NC	0.00	52	360	210	1,600	8,800	--	--	--	--
MW2	12/22/10	65.71	1 22.47	43.24	0.00	130	1,100	430	6,000	26,000	<3000	<100	640	--
MW2	03/16/11	65.71	1 19.00	46.71	0.00	430	1700	490	3700	29,000	< 3000	190	500	--
MW2	06/21/11	65.71	1 20.10	45.61	0.00	640	2100	680	4000	26,000	< 3000	< 100	660	--
MW2	09/14/11	65.71	1 21.97	43.74	0.00	460	3200	1200	7600	47,000	< 30000	520	380	--
MW2	12/01/11	65.71	1 22.73	42.98	0.00	350	2,200	1,100	4,600	26,000	<1000	<100	510	--
MW2	03/08/12	65.71	1 22.62	43.09	0.00	150	1000	560	2500	14,000	< 200	< 100	200	--
MW2	06/04/12	65.71	1 20.31	45.40	0.00	380	2,000	560	3,200	22,000	<100	<100	320	--
MW2	09/06/12	65.71	1 29.10	36.61	0.00	220	520	130	780	6,300	< 50	< 100	18	--
MW2	12/14/12	65.71	1 21.15	44.56	0.00	620	2,500	430	8,100	51,000	< 2000	430	24	--
MW2	03/27/13	65.71	1 21.97	43.74	0.00	620	3,200	480	6,100	36,000	350	< 100	56	--
MW2	06/18/13	65.71	1 22.60	43.11	0.00	120	1,000	380	4,000	24,000	1,100	260	5	--
MW2	09/24/13	65.71	1 23.06	42.65	0.00	49	250	100	690	4,300	<50	<100	3.1	--
MW2	12/10/13	65.71	1 23.41	42.30	0.00	41	180	200	520	3,000	72	110	1	--
MW2	03/04/14	65.71	1 22.83	42.88	0.00	56	280	480	2100	14000	1100	530	< 2.5	--
MW2	06/11/14	65.71	1 22.83	42.88	0.00	110	540	320	1300	9400	130	< 100	1.7	--
MW2	09/30/14	65.71	1 22.95	42.76	0.00	43	92	320	960	6300	140	< 100	1.7	--
MW3	07/27/93	101.29	a 22.28	79.01	0.02	9,100	24,000	5,300	33,000	330,000	--	--	--	--
MW3	10/02/97	101.29	a 22.71	78.58	0.03	4,200	11,000	1,800	10,600	36,000	--	--	3,500	--
MW3	06/30/98	101.29	a 19.47	81.82	0.00	4,800	11,000	1,200	7,100	51,000	--	--	3,900	--
MW3	07/29/98	101.29	a 20.01	81.28	0.00	--	--	--	--	--	--	--	--	--
MW3	08/26/98	101.29	a 20.62	80.67	0.00	--	--	--	--	--	--	--	--	--
MW3	10/01/98	101.29	a 21.33	79.96	0.00	3,900	8,500	1,200	6,000	38,000	--	--	2,300	--
MW3	10/30/98	101.29	a 21.62	79.67	0.00	--	--	--	--	--	--	--	--	--
MW3	11/30/98	101.29	a 21.31	79.98	0.00	--	--	--	--	--	--	--	--	--
MW3	12/28/98	101.29	a 21.15	80.14	0.06	--	--	--	--	--	--	--	--	--
MW3	01/25/99	101.29	a 20.79	80.50	0.00	4,000	10,000	1200	6700	5,100	--	--	2900	--
MW3	02/26/99	101.29	a 18.02	83.27	0.00	--	--	--	--	--	--	--	--	--
MW3	03/24/99	101.29	a 18.37	82.92	0.00	--	--	--	--	--	--	--	--	--
MW3	05/12/99	101.29	a 19.22	82.07	0.0083	--	--	--	--	--	--	--	--	--
MW3	12/15-16/99	101.29	a 22.43	78.86	0.00	*	*	*	*	*	*	*	*	--
MW3	03/20/00	101.29	a 17.14	84.15	0.00	--	--	--	--	--	--	--	--	--
MW3	07/20/00	101.29	a 20.98	80.31	0.00	5,700	14,000	1,600	9,300	69,000	2,900	<300	3,300	--
MW3	10/11/00	101.29	a 22.24	79.05	0.00	--	--	--	--	--	--	--	--	--
MW3	04/10-11/01	101.29	a 20.70	80.59	0.00	7,200	<0.001	2,300	12,900	110,000	4,700	<1,500	4,300	--
MW3	07/10/01	101.29	a 21.97	79.32	0.00	--	--	--	--	--	--	--	--	--
MW3	11/20/01	65.99	b 22.80	43.19	0.00	6,300	16,000	2,400	14,900	100,000	5,900	<900	4,000	--
MW3	02/19/02	65.99	b 20.11	45.88	0.00	--	--	--	--	--	--	--	--	--
MW3	05/21/02	65.99	b 21.20	44.79	0.00	6,500	17,000	2,200	12,700	91,000	14,000	<3,000	2,200	--

TABLE 2 CUMULATIVE GROUNDWATER ELEVATION AND ANALYTICAL DATA
 FORMER VAL STROUGH CHEVROLET, 327 34th STREET OAKLAND, CALIFORNIA

Well Number	Date	Casing Elevation (feet)	Depth to Water (feet)	GW Elevation (feet)	SPH Thickness (feet)	Concentration (µg/L)								
						Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	TPH-mo	MTBE	TBA
MW3	06/27/03	65.99	b 21.32	44.67	sheen	--	--	--	--	--	--	--	--	--
MW3	09/29/03	65.99	b 22.79	43.20	sheen	*	*	*	*	*	*	*	*	--
MW3 ^e	12/12/03	65.99	b 22.73	43.27	0.01	*	*	*	*	*	*	*	*	--
MW3 ^e	03/15/04	65.99	b 19.32	46.67	sheen	*	*	*	*	*	*	*	*	--
MW3	06/24/04	65.99	b 21.99	44.00	0.00	3,400	7,700	1,000	4,800	39,000	1,700	<500	1,100	--
MW3	09/29/04	65.99	b 22.54	43.45	0.00	2,900	6,700	980	4,300	29,000	2,200	<500	1,100	--
MW3	12/13/04	65.99	b 22.06	43.93	0.00	1,700	2,900	790	3,400	17,000	1,300	<500	490	--
MW3 ^j	03/14/05	65.99	b 24.00	41.99	0.00	680	1,700	380	1,600	10,000	670	<500	67	--
MW3	06/15/05	65.99	b 21.13	44.86	0.00	260	960	330	1,400	12,000	1,200	<500	31	--
MW3	07/18/05	65.99	b NM	NC	NM	1,000	5,600	1,100	4,300	23,000	1,700	--	81	--
MW3	09/26/05	65.99	b 22.92	43.07	0.00	4,000	17,000	1,900	17,000	79,000	5,100	540	270	--
MW3	12/12/05	65.99	b 23.30	42.69	0.00	200	710	450	1,400	7,000	550	<500	<10	--
MW3	03/29/06	65.99	b 15.70	50.29	0.00	110	300	130	490	3,800	<200	<100	13	--
MW3	06/19/06	65.99	b 19.11	46.88	0.00	160	500	320	840	7,000	<300	<100	3.1	--
MW3	09/29/06	65.99	b 21.15	44.84	0.00	1,300	2,300	720	2,900	22,000	<1500	<100	110	--
MW3	12/12/06	65.99	b 21.38	44.61	0.00	1,400	2,200	670	2,600	21,000	<1500	<100	130	--
MW3	03/01/07	65.99	b 19.50	46.49	0.00	1,100	2,500	510	2,200	17,000	<600	<100	51	--
MW3	06/12/07	65.99	b 21.00	44.99	0.00	1,800	4,000	800	3,300	22,000	<1500	<100	150	--
MW3	09/25/07	65.99	b 22.59	43.40	0.00	2,400	5,000	1,000	4,600	29,000	<500	<100	220	--
MW3	12/20/07	65.99	b 22.59	43.40	0.00	2,400	4,900	1,100	4,700	36,000	<2000	<100	240	--
MW3	03/26/08	65.99	b 22.13	43.86	0.00	4,500	11,000	1,700	7,800	54,000	<1500	<100	340	--
MW3	06/03/08	65.99	b 21.81	44.18	0.00	3,900	8,700	1,500	7,000	47,000	<1500	<100	470	--
MW3	09/25/08	65.99	b 23.30	42.69	0.00	1,600	3,700	700	3,300	22,000	<3000	<100	220	180
MW3	12/29/08	65.99	b 22.92	43.07	0.00	310	910	320	1,300	11,000	<1500	<100	35	23
MW3	03/24/09	65.70	1 19.43	46.27	0.00	1,400	4,200	600	2,500	19,000	<1,000	<100	160	60
MW3	06/02/09	65.70	1 20.70	45.00	0.00	2,800	7,600	1,300	5,600	39,000	<1,500	<100	240	180
MW3	09/10/09	65.70	1 22.32	43.38	0.00	1,800	3,900	790	3,500	22,000	< 1500	< 100	190	110
MW3	12/04/09	65.70	1 24.20	41.50	0.00	1,600	3,400	860	3,900	25,000	< 800	< 100	210	81
MW3	03/10/10	65.70	1 22.03	43.67	0.00	420	2,400	640	3,600	27,000	< 3,000	< 100	24	--
MW3	05/28/10	65.70	1 22.84	42.86	0.00	1,200	4,600	920	4,800	31,000	< 5000	< 100	120	--
MW3	08/26/10	65.70	1 23.42	42.28	sheen	--	--	--	--	--	--	--	--	--
MW3	09/20/10	65.70	1 NM	NC	sheen	2700	13000	2900	18000	110000	--	--	--	--
MW3	12/22/10	65.70	1 22.70	43.00	0.20	--	--	--	--	--	--	--	--	--
MW3	03/16/11	65.70	1 20.13	45.57	0.00	4000	16000	2800	15000	91000	< 3000	< 100	230	--
MW3	06/21/11	65.70	1 20.20	45.50	0.00	5200	16000	3200	18000	110000	< 10000	130	490	--
MW3	09/14/11	65.70	1 22.15	43.55	0.17	--	--	--	--	--	--	--	--	--
MW3	12/01/11	65.70	1 22.86	42.84	0.02	--	--	--	--	--	--	--	--	--
MW3	03/08/12	65.70	1 22.69	43.01	0.00	3,400	11,000	2200	10000	75000	< 2000	150	330	--
MW3	06/04/12	65.70	1 20.28	45.42	0.00	2,500	5,600	1,100	4,000	39,000	<100	<100	280	--
MW3	09/06/12	65.70	1 27.50	38.20	0.00	70	190	160	540	4,200	< 200	< 100	20	--
MW3	12/14/12	65.70	1 21.15	44.55	0.00	83	1,000	290	2,800	23,000	470	390	3.6	--
MW3	03/27/13	65.70	1 21.96	43.74	0.00	140	1,500	550	3,300	19,000	170	<100	7.6	--
MW3	06/18/13	65.70	1 22.59	43.11	0.00	12	32	30	130	2,100	<50	<100	3.5	--
MW3	09/24/13	65.70	1 21.28	44.42	0.00	14	56	24	100	970	130	170	0.6	--
MW3	12/10/13	65.70	1 23.26	42.44	0.00	0.9	2.8	4.3	50	850	<50	<100	<0.5	--
MW3	03/04/14	65.70	1 22.41	43.29	0.00	0.56	2.3	1.3	22	210	110	150	< 0.50	--
MW3	09/30/14	65.70	1 23.02	42.68	0.00	24	4.8	12	7.2	290	<100	46	< 0.50	--
MW4	06/30/98	98.65	a 16.93	81.72	0.00	2,200	930	850	2,100	10,000	--	--	1,800	--
MW4	07/29/98	98.65	a 17.48	81.17	0.00	--	--	--	--	--	--	--	--	--
MW4	08/26/98	98.65	a 18.65	80.00	0.00	--	--	--	--	--	--	--	--	--
MW4	10/01/98	98.65	a 18.74	79.91	0.00	570	46	130	36	1,100	--	--	1,300	--
MW4	10/30/98	98.65	a 19.02	79.63	0.00	--	--	--	--	--	--	--	--	--
MW4	11/30/98	98.65	a 18.74	79.91	0.00	--	--	--	--	--	--	--	--	--

TABLE 2 CUMULATIVE GROUNDWATER ELEVATION AND ANALYTICAL DATA
 FORMER VAL STROUGH CHEVROLET, 327 34th STREET OAKLAND, CALIFORNIA

Well Number	Date	Casing Elevation (feet)	Depth to Water (feet)	GW Elevation (feet)	SPH Thickness (feet)	Concentration (µg/L)									
						Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	TPH-mo	MTBE	TBA	
MW4	12/28/98	98.65	a 18.60	80.05	0.00	--	--	--	--	--	--	--	--	--	
MW4	01/25-26/99	98.65	a 18.32	80.33	0.00	230	<8.3	<8.3	<8.3	290	--	--	1,300	--	
MW4	02/26/99	98.65	a 15.81	82.84	0.00	--	--	--	--	--	--	--	--	--	
MW4	03/24/99	98.65	a 16.01	82.64	0.00	--	--	--	--	--	--	--	--	--	
MW4	05/12/99	98.65	a 17.71	80.94	0.00	--	--	--	--	--	--	--	--	--	
MW4	12/15-16/99	98.65	a 19.83	78.82	0.00	5.8	<0.50	<0.50	<0.50	<50	--	--	1,400	--	
MW4	03/20/00	98.65	a 14.9	83.75	0.00	--	--	--	--	--	--	--	--	--	
MW4	07/20/00	98.65	a 18.38	80.27	0.00	91	4.6	19	12.9	210	<50	<300	1,500	--	
MW4	10/11/00	98.65	a 19.61	79.04	0.00	--	--	--	--	--	--	--	--	--	
MW4	04/10-11/01	98.65	a 17.55	81.10	0.00	110	<5.0	<5.0	<5.0	350	<50	<300	1,100	--	
MW4	07/10/01	98.65	a 19.34	79.31	0.00	--	--	--	--	--	--	--	--	--	
MW4	11/20/01	63.35	b 20.16	43.19	0.00	<2.5	4	<2.5	3.7	96	<50	<300	2,500	--	
MW4	02/19/02	63.35	b 17.34	46.01	0.00	--	--	--	--	--	--	--	--	--	
MW4	05/21/02	63.35	b 18.57	44.78	0.00	340	5.7	70	<1.0	940	83	<300	1,600	--	
MW4	06/27/03	63.35	b 18.72	44.63	0.00	--	--	--	--	--	--	--	--	--	
MW4	09/29/03	63.35	b 20.11	43.24	0.00	<5.0	<5.0	<5.0	<10	1,100	<50	<500	1,700	--	
MW4	12/12/03	63.35	b 20.06	43.29	0.00	<13	<13	<13	<25	<1,300	<50	<500	1,000	--	
MW4	03/15/04	63.35	b 16.89	46.46	0.00	1.5	<0.50	<0.50	<1.0	54	<50	<500	41	--	
MW4	06/24/04	63.35	b 19.31	44.04	0.00	69	<5.0	<5.0	<10	920	<50	<500	1,100	--	
MW4	09/29/04	63.35	b 20.20	43.15	0.00	<5.0	<5.0	<5.0	<10	940	<50	<500	1,200	--	
MW4	12/13/04	**	b 20.44	NC	0.00	<5.0	<5.0	<5.0	<10	740	<50	<500	860	--	
MW4	03/14/05	**	b 18.30	NC	0.00	20	<5.0	<5.0	<10	930	<50	<500	930	--	
MW4	06/15/05	**	b 20.03	NC	0.00	350	6.1	<5.0	<10	2100	89	<500	1,100	--	
MW4	07/18/05	**	b NM	NC	NM	11	<5.0	<5.0	<10	540	<50	--	1,100	--	
MW4	09/26/05	**	b 21.79	NC	0.00	<5.0	<5.0	<5.0	<10	960	<50	<500	660	--	
MW4	12/12/05	**	b 21.89	NC	0.00	<5.0	<5.0	<5.0	<10	820	<50	<500	1,000	--	
MW4	03/29/06	**	b 14.85	NC	0.00	49	160	120	300	2,400	<100	<100	130	--	
MW4	06/19/06	**	b 17.96	NC	0.00	100	940	540	1,800	8,800	<400	<100	55	--	
MW4	09/29/06	63.35	b 19.85	43.50	0.00	18.0	2.6	1.5	3.5	370.0	<50	<100	180	--	
MW4	12/12/06	63.35	b 20.03	43.32	0.00	11.0	0.77	<0.5	<0.5	230.0	<50	<100	260	--	
MW4	03/01/07	63.35	b 18.33	45.02	0.00	63.0	7.10	40.0	190.0	1,800.0	<50	<100	130	--	
MW4	06/12/07	63.35	b 19.70	43.65	0.00	9.3	<0.5	<0.5	<0.5	70.0	<50	<100	150	--	
MW4	09/25/07	63.35	b 21.27	42.08	0.00	<0.5	<0.5	<0.5	<0.5	<50	<50	<100	300	--	
MW4	12/20/07	63.35	b 21.30	42.05	0.00	<0.5	<0.5	<0.5	<0.5	<50	<50	<100	370	--	
MW4	03/26/08	63.35	b 20.89	42.46	0.00	<0.5	<0.5	<0.5	<0.5	<50	<50	<100	260	--	
MW4	06/03/08	63.35	b 20.51	42.84	0.00	<0.5	<0.5	<0.5	<0.5	<50	<50	<100	190	--	
MW4	09/25/08	63.35	b 22.03	41.32	0.00	<0.5	<0.5	<0.5	<0.5	<50	<50	<100	380	<5.0	
MW4	12/29/08	63.35	b 21.62	41.73	0.00	<0.5	<0.5	<0.5	<0.5	<50	<50	<100	230	<5.0	
MW4	03/24/09	64.37	1 18.38	45.99	0.00	<0.5	<0.5	<0.5	<0.5	<50	<50	<100	370	<5.0	
MW4	06/02/09	64.37	1 19.32	45.05	0.00	0.64	<0.5	<0.5	<0.5	<50	<50	<100	320	<5.0	
MW4	09/10/09	64.37	1 21.00	43.37	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	280	< 5.0	
MW4	12/04/09	64.37	1 22.76	41.61	0.00	< 0.50	< 0.50	< 0.50	2.9	< 50	< 50	< 100	430	< 5.0	
MW4	03/10/10	64.37	1 20.87	43.50	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	130	--	
MW4	05/28/10	64.37	1 21.07	43.30	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	140	--	
MW4	08/26/10	64.37	1 21.71	42.66	0.00	<0.50	<0.50	<0.50	2.0	<50	<50	<100	160	--	
MW4	12/02/10	64.37	1 21.21	43.16	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	50	--	
MW4	03/16/11	64.37	1 18.82	45.55	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	220	--	
MW4	06/21/11	64.37	1 18.95	45.42	0.00	0.70	< 0.50	1.4	< 0.50	< 50	< 50	< 100	220	--	
MW4	09/14/11	64.37	1 20.68	43.69	0.00	< 0.50	< 0.50	< 0.50	2.9	63	< 50	< 100	150	--	
MW4	12/01/11	64.37	1 21.59	42.78	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	200	--	
MW4	03/08/12	64.37	1 21.32	43.05	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	210	--	
MW4	06/04/12	64.37	1 19.01	45.36	0.00	35.00	1.10	19.0	6.1	220.0	<50	<100	160	--	
MW4	09/06/12	64.37	1 21.88	42.49	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	240	--	
MW4	12/14/12	64.37	1 20.00	44.37	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	220	--	

TABLE 2 CUMULATIVE GROUNDWATER ELEVATION AND ANALYTICAL DATA
 FORMER VAL STROUGH CHEVROLET, 327 34th STREET OAKLAND, CALIFORNIA

Well Number	Date	Casing Elevation (feet)	Depth to Water (feet)	GW Elevation (feet)	SPH Thickness (feet)	Concentration (µg/L)									
						Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	TPH-mo	MTBE	TBA	
MW4	03/27/13	64.37	1	20.78	43.59	0.00	< 0.50	< 0.50	< 0.50	< 0.50	71.0	< 50	< 100	220	--
MW4	06/19/13	64.37	1	21.35	43.02	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	170	--
MW4	09/24/13	64.37	1	21.81	42.56	0.00	--	--	--	--	--	--	--	--	--
MW4	03/04/14	64.37	1	21.15	43.22	0.00	< 0.50	< 0.50	< 0.50	< 0.50	60	< 50	< 100	140	--
MW4	09/30/14	64.37	1	21.70	42.67	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	190	--
MW5	06/30/98	100.9	a	20.60	80.30	0.00	<0.50	<0.50	<0.50	<0.50	<50	--	--	23	--
MW5	07/29/98	100.9	a	21.52	79.38	0.00	--	--	--	--	--	--	--	--	--
MW5	08/26/98	100.9	a	22.21	78.69	0.00	--	--	--	--	--	--	--	--	--
MW5	10/01/98	100.9	a	22.95	77.95	0.00	<1.0	<1.0	<1.0	<1.0	<50	--	--	<2.0	--
MW5	10/30/98	100.9	a	23.23	77.67	0.00	--	--	--	--	--	--	--	--	--
MW5	11/30/98	100.9	a	23.12	77.78	0.00	--	--	--	--	--	--	--	--	--
MW5	12/28/98	100.9	a	23.18	77.72	0.00	--	--	--	--	--	--	--	--	--
MW5	01/25-26/99	100.9	a	22.61	78.29	0.00	<1.0	<1.0	<1.0	<1.0	<50	--	--	<2.0	--
MW5	02/26/99	100.9	a	19.78	81.12	0.00	--	--	--	--	--	--	--	--	--
MW5	03/24/99	100.9	a	20.25	80.65	0.00	--	--	--	--	--	--	--	--	--
MW5	05/12/99	100.9	a	21.06	79.84	0.00	--	--	--	--	--	--	--	--	--
MW5	12/15-16/99	100.9	a	24.19	76.71	0.00	<0.50	<0.50	<0.50	<0.50	<50	--	--	<0.50	--
MW5	03/20/00	100.9	a	19.15	81.75	0.00	--	--	--	--	--	--	--	--	--
MW5	07/20/00	100.9	a	21.84	79.06	0.00	<0.50	0.98	<0.50	<0.50	<50	<50	<300	1.9	--
MW5	10/11/00	100.9	a	23.4	77.50	0.00	--	--	--	--	--	--	--	--	--
MW5	04/10-11/01	100.9	a	22.3	78.60	0.00	<0.50	2.6	<0.50	0.6	<50	<50	<300	1.5	--
MW5	07/10/01	100.9	a	23.64	77.26	0.00	--	--	--	--	--	--	--	--	--
MW5	11/20/01	65.59	b	24.65	40.94	0.00	0.83	12	1.2	11	140	860	2,500	10	--
MW5	02/19/02	65.59	b	22.37	43.22	0.00	--	--	--	--	--	--	--	--	--
MW5	05/21/02	65.59	b	23.10	42.49	0.00	<0.50	<0.50	<0.50	<0.50	<50	2,200	<300	<2.0	--
MW5	06/27/03	65.59	b	23.07	42.52	0.00	--	--	--	--	--	--	--	--	--
MW5	09/29/03	65.59	b	24.38	41.21	0.00	<0.50	0.52	7.1	35	100	<50	<500	1.4	--
MW5	12/12/03	65.59	b	23.90	41.69	0.00	<0.50	<0.50	<0.50	<1	<50	<50	<500	1.5	--
MW5	03/15/04	65.59	b	20.82	44.77	0.00	<0.50	<0.50	<0.50	<1.0	<50	<50	<500	<0.50	--
MW5	06/24/04	65.59	b	23.57	42.02	0.00	<0.50	<0.50	<0.50	<1.0	<50	130	<500	0.79	--
MW5	09/29/04	65.59	b	24.44	41.15	0.00	--	--	--	--	--	--	--	--	--
MW5	12/13/04	65.59	b	23.87	41.72	0.00	--	--	--	--	--	--	--	--	--
MW5	03/14/05	65.59	b	20.18	45.41	0.00	<0.50	1.3	1.5	8.6	82	<50	<500	<0.50	--
MW5	06/15/05	65.59	b	12.96	52.63	0.00	--	--	--	--	--	--	--	--	--
MW5	09/26/05	65.59	b	23.60	41.99	0.00	--	--	--	--	--	--	--	--	--
MW5	12/12/05	65.59	b	23.84	41.75	0.00	--	--	--	--	--	--	--	--	--
MW5	03/29/06	65.59	b	17.19	48.40	0.00	<0.50	<0.50	<0.50	<0.50	73	<50	<100	<0.50	--
MW5	06/19/06	65.59	b	20.22	45.37	0.00	--	--	--	--	--	--	--	--	--
MW5	09/29/06	65.59	b	22.80	42.79	0.00	--	--	--	--	--	--	--	--	--
MW5	12/12/06	65.59	b	23.08	42.51	0.00	--	--	--	--	--	--	--	--	--
MW5	03/01/07	65.59	b	21.02	44.57	0.00	<0.50	<0.50	<0.50	<0.50	54	<50	<100	<0.50	--
MW5	06/12/07	65.59	b	22.78	42.81	0.00	--	--	--	--	--	--	--	--	--
MW5	09/25/07	65.59	b	24.45	41.14	0.00	<0.50	1.5	<0.50	<0.50	<50	<50	<100	0.64	--
MW5	12/20/07	65.59	b	24.52	41.07	0.00	--	--	--	--	--	--	--	--	--
MW5	03/26/08	65.59	b	24.08	41.51	0.00	<0.50	1.5	<0.50	<0.50	<50	<50	<100	<0.5	--
MW5	06/03/08	65.59	b	23.68	41.91	0.00	--	--	--	--	--	--	--	--	--
MW5	09/25/08	65.59	b	25.00	40.59	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	0.66	<5.0
MW5	12/29/08	65.59	b	24.92	40.67	0.00	<0.50	<0.50	<0.50	<0.50	71	<50	<100	<0.5	<5.0
MW5	03/24/09	65.59	l	21.85	43.74	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	0.54	<5.0
MW5	06/02/09	65.59	l	22.70	42.89	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	<0.5	<5.0
MW5	09/10/09	65.59	l	24.12	41.47	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	0.56	< 5.0
MW5	12/04/09	65.59	l	dry	--	0.00	--	--	--	--	--	--	--	--	--
MW5	03/10/10	65.59	l	25.90	39.69	0.00	< 0.50	< 0.50	< 0.50	< 0.50	55	< 50	< 100	0.71	--

TABLE 2 CUMULATIVE GROUNDWATER ELEVATION AND ANALYTICAL DATA
 FORMER VAL STROUGH CHEVROLET, 327 34th STREET OAKLAND, CALIFORNIA

Well Number	Date	Casing Elevation (feet)	Depth to Water (feet)	GW Elevation (feet)	SPH Thickness (feet)	Concentration (µg/L)									
						Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	TPH-mo	MTBE	TBA	
MW5	05/28/10	65.59	1 25.54	40.05	0.00	--	--	--	--	--	--	--	--	--	
MW5	08/26/10	65.59	1 25.59	40.00	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	0.52	--	
MW5	12/22/10	65.59	1 24.80	40.79	0.00	--	--	--	--	--	--	--	--	--	
MW5	03/16/11	65.59	1 22.02	43.57	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	< 0.50	--	
MW5	06/21/11	65.59	1 22.41	43.18	0.00	--	--	--	--	--	--	--	--	--	
MW5	09/14/11	65.59	1 24.39	41.20	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	< 0.50	--	
MW5	12/01/11	65.59	1 25.22	40.37	0.00	--	--	--	--	--	--	--	--	--	
MW5	03/08/12	65.59	1 24.90	40.69	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	< 0.50	--	
MW5	06/04/12	65.59	1 22.30	43.29	0.00	--	--	--	--	--	--	--	--	--	
MW5	09/06/12	65.59	1 23.86	41.73	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	< 0.50	--	
MW5	12/14/12	65.59	1 21.61	43.98	0.00	--	--	--	--	--	--	--	--	--	
MW5	03/27/13	65.59	1 22.57	43.02	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	< 0.50	--	
MW5	06/18/13	65.59	1 23.30	42.29	0.00	--	--	--	--	--	--	--	--	--	
MW5	09/24/13	65.59	1 23.84	41.75	0.00	--	--	--	--	--	--	--	--	--	
MW5	03/04/14	65.59	1 22.95	42.64	0.00	< 0.50	< 0.50	< 0.50	< 0.50	58	< 50	< 100	< 0.50	--	
MW5	09/30/14	65.59	1 23.89	41.70	0.00	< 0.50	< 0.50	< 0.50	< 0.50	<50	< 50	< 100	< 0.50	--	
MW6	07/20/00	96.60	a 18.30	78.30	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<300	160	--	
MW6	10/11/00	96.60	a 18.69	77.91	0.00	--	--	--	--	--	--	--	--	--	
MW6	04/10-11/01	96.60	a 17.85	78.75	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<300	180	--	
MW6	07/10/01	96.60	a 18.43	78.17	0.00	--	--	--	--	--	--	--	--	--	
MW6	11/20/01	59.60	b 18.67	40.93	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<300	450	--	
MW6	02/19/02	59.60	b 17.40	42.20	0.00	--	--	--	--	--	--	--	--	--	
MW6	05/21/02	59.60	b 17.68	41.92	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<300	170	--	
MW6	06/27/03	59.60	b 17.73	41.87	0.00	--	--	--	--	--	--	--	--	--	
MW6	09/29/03	59.60	b 18.48	41.12	0.00	<1.0	<1.0	<1.0	<2.0	230	<50	<500	340	--	
MW6	12/12/03	59.60	b 17.89	41.71	0.00	<2.5	<2.5	<2.5	<5.0	<250	51	<500	190	--	
MW6	03/15/04	59.60	b 16.46	43.14	0.00	<1.0	<1.0	<1.0	<2.0	200	<50	<500	220	--	
MW6	06/24/04	59.60	b 17.97	41.63	0.00	<1.0	<1.0	<1.0	<2.0	130	<50	<500	190	--	
MW6	09/29/04	59.60	b 18.55	41.05	0.00	<0.50	0.61	<0.50	1.2	210	<50	<500	190	--	
MW6	12/13/04	59.60	b 17.88	41.72	0.00	--	--	--	--	--	--	--	--	--	
MW6	03/14/05	59.60	b 16.82	42.78	0.00	<0.50	<0.50	<0.50	1.8	160	<50	<500	190	--	
MW6	06/15/05	59.60	b 17.60	42.00	0.00	--	--	--	--	--	--	--	--	--	
MW6	09/26/05	59.60	b NM	NM	0.00	--	--	--	--	--	--	--	--	--	
MW6	12/12/05	59.60	b 18.33	41.27	0.00	0.62	<0.50	<0.50	1.0	81	<50	<500	140	--	
MW6	03/29/06	59.60	b 14.53	45.07	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	120	--	
MW6	06/19/06	59.60	b 16.46	43.14	0.00	--	--	--	--	--	--	--	--	--	
MW6	09/29/06	59.60	b 17.60	42.00	0.00	0.87	<0.50	<0.50	<0.50	<50	<50	<100	140	--	
MW6	12/12/06	59.60	b 16.93	42.67	0.00	0.67	<0.50	<0.50	<0.50	<50	<50	230	89	--	
MW6	03/01/07	59.60	b 16.30	43.30	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	78	--	
MW6	06/12/07	59.60	b 17.38	42.22	0.00	--	--	--	--	--	--	--	--	--	
MW6	09/25/07	59.60	b 18.36	41.24	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	89	--	
MW6	12/20/07	59.60	b 17.90	41.70	0.00	--	--	--	--	--	--	--	--	--	
MW6	03/26/08	59.60	b 17.37	42.23	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	68	--	
MW6	06/03/08	59.60	b 17.11	42.49	0.00	--	--	--	--	--	--	--	--	--	
MW6	09/25/08	59.60	b 18.82	40.78	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	78	<5.0	
MW6	12/29/08	59.60	b 18.30	41.30	0.00	0.77	<0.50	<0.50	<0.50	<50	<50	<100	44	<5.0	
MW6	03/24/09	59.60	1 16.80	42.80	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	51	<5.0	
MW6	06/02/09	59.60	1 17.27	42.33	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	59	<5.0	
MW6	09/10/09	59.60	1 18.20	41.40	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	73	< 5.0	
MW6	12/04/09	59.60	1 19.07	40.53	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	50	< 5.0	
MW6	03/10/10	59.60	1 17.80	41.80	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	51	--	
MW6	05/28/10	59.60	1 18.02	41.58	0.00	--	--	--	--	--	--	--	--	--	
MW6	08/26/10	59.60	1 18.70	40.90	0.00	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<100	47	--	

TABLE 2 CUMULATIVE GROUNDWATER ELEVATION AND ANALYTICAL DATA
 FORMER VAL STROUGH CHEVROLET, 327 34th STREET OAKLAND, CALIFORNIA

Well Number	Date	Casing Elevation (feet)	Depth to Water (feet)	GW Elevation (feet)	SPH Thickness (feet)	Concentration (µg/L)								
						Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	TPH-mo	MTBE	TBA
MW6	12/22/10	59.60	1 17.84	41.76	0.00	--	--	--	--	--	--	--	--	--
MW6	03/16/11	59.60	1 16.94	42.66	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	44	--
MW6	06/21/11	59.60	1 17.05	42.55	0.00	--	--	--	--	--	--	--	--	--
MW6	09/14/11	59.60	1 17.97	41.63	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	50	--
MW6	12/01/11	59.60	1 18.46	41.14	0.00	--	--	--	--	--	--	--	--	--
MW6	03/08/12	59.60	1 18.49	41.11	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	41	--
MW6	06/04/12	59.60	1 17.05	42.55	0.00	--	--	--	--	--	--	--	--	--
MW6	09/06/12	59.60	1 18.50	41.10	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	51	--
MW6	12/14/12	59.60	1 15.16	44.44	0.00	--	--	--	--	--	--	--	--	--
MW6	03/27/13	59.60	1 17.48	42.12	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	55	--
MW6	06/18/13	59.60	1 18.31	41.29	0.00	--	--	--	--	--	--	--	--	--
MW6	09/24/13	59.60	1 16.72	42.88	0.00	--	--	--	--	--	--	--	--	--
MW6	03/04/14	59.60	1 17.81	41.79	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	29	--
MW6	09/30/14	59.60	1 18.61	40.99	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	33	--
MW7	07/20/00	96.75	a 15.93	80.82	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<300	<0.50	--
MW7	10/11/00	96.75	a 16.90	79.85	0.00	--	--	--	--	--	--	--	--	--
MW7	04/10-11/01	96.75	a 15.80	80.95	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<300	<0.50	--
MW7	07/10/01	96.75	a 16.71	80.04	0.00	--	--	--	--	--	--	--	--	--
MW7	11/20/01	59.47	b 16.17	43.30	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<300	<2.0	--
MW7	02/19/02	59.47	b 14.92	44.55	0.00	--	--	--	--	--	--	--	--	--
MW7	05/21/02	59.47	b 15.18	44.29	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<300	<0.50	--
MW7	06/27/03	59.47	b 16.28	43.19	0.00	--	--	--	--	--	--	--	--	--
MW7	09/29/03	59.47	b 16.88	42.59	0.00	<0.50	<0.50	<0.50	<1.0	<50	<50	<500	0.62	--
MW7	12/12/03	59.47	b 14.95	44.52	0.00	<0.50	<0.50	<0.50	<1.0	<50	<50	<500	<0.50	--
MW7	03/15/04	59.47	b 14.77	44.70	0.00	<0.50	<0.50	<0.50	<1.0	<50	<50	<500	<0.50	--
MW7	06/24/04	59.47	b 16.33	43.14	0.00	<0.50	<0.50	<0.50	<1.0	<50	300	<500	<0.50	--
MW7	09/29/04	59.47	b 16.88	42.59	0.00	--	--	--	--	--	--	--	--	--
MW7	12/13/04	59.47	b 15.26	44.21	0.00	--	--	--	--	--	--	--	--	--
MW7	03/14/05	59.47	b 15.00	44.47	0.00	<0.50	<0.50	<0.50	<1.0	<50	<50	<500	<0.50	--
MW7	06/15/05	59.47	b 15.32	44.15	0.00	--	--	--	--	--	--	--	--	--
MW7	09/26/05	59.47	b NM	NM	0.00	--	--	--	--	--	--	--	--	--
MW7	12/12/05	59.47	b 15.99	43.48	0.00	--	--	--	--	--	--	--	--	--
MW7	03/29/06	59.47	b 12.65	46.82	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	<0.50	--
MW7	06/19/06	59.47	b 14.49	44.98	0.00	--	--	--	--	--	--	--	--	--
MW7	09/29/06	59.47	b 16.67	42.80	0.00	--	--	--	--	--	--	--	--	--
MW7	12/12/06	59.47	b 15.21	44.26	0.00	--	--	--	--	--	--	--	--	--
MW7	03/01/07	59.47	b 14.68	44.79	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	<0.50	--
MW7	06/12/07	59.47	b 16.2	43.27	0.00	--	--	--	--	--	--	--	--	--
MW7	09/25/07	59.47	b 16.72	42.75	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	<0.50	--
MW7	12/20/07	59.47	b 15.02	44.45	0.00	--	--	--	--	--	--	--	--	--
MW7	03/26/08	59.47	b 15.95	43.52	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	<0.50	--
MW7	06/03/08	59.47	b 14.24	45.23	0.00	--	--	--	--	--	--	--	--	--
MW7	09/25/08	59.47	b 17.07	42.40	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	<0.50	<5.0
MW7	12/29/08	59.47	b 15.64	43.83	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	<0.50	<5.0
MW7	03/24/09	59.49	1 14.57	44.92	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	<0.50	<5.0
MW7	06/02/09	59.49	1 16.10	43.39	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	<0.50	<5.0
MW7	09/10/09	59.49	1 17.10	42.39	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	<0.50	<5.0
MW7	12/04/09	59.49	1 17.10	42.39	0.00	--	--	--	--	--	--	--	--	--
MW7	03/10/10	59.49	1 15.17	44.32	0.00	--	--	--	--	--	--	--	--	--
MW7	05/28/10	59.49	1 15.20	44.29	0.00	--	--	--	--	--	--	--	--	--
MW7	08/26/10	59.49	1 17.10	42.39	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	<0.50	--
MW7	12/22/10	59.49	1 14.94	44.55	0.00	--	--	--	--	--	--	--	--	--
MW7	03/16/11	59.49	1 14.75	44.74	0.00	--	--	--	--	--	--	--	--	--

TABLE 2 CUMULATIVE GROUNDWATER ELEVATION AND ANALYTICAL DATA
FORMER VAL STROUGH CHEVROLET, 327 34th STREET OAKLAND, CALIFORNIA

Well Number	Date	Casing Elevation (feet)	Depth to Water (feet)	GW Elevation (feet)	SPH Thickness (feet)	Concentration (µg/L)										
						Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	TPH-mo	MTBE	TBA		
MW7	06/21/11	59.49	1	15.74	43.75	0.00	--	--	--	--	--	--	--	--	--	
MW7	09/14/11	59.49	1	16.68	42.81	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	< 0.50	--	
MW7	12/01/11	59.49	1	16.65	42.84	0.00	--	--	--	--	--	--	--	--	--	
MW7	03/08/12	59.49	1	16.07	43.42	0.00	--	--	--	--	--	--	--	--	--	
MW7	06/04/12	59.49	1	16.19	43.30	0.00	--	--	--	--	--	--	--	--	--	
MW7	09/06/12	59.49	1	16.97	42.52	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	< 0.50	--	
MW7	12/14/12	59.49	1	17.30	42.19	0.00	--	--	--	--	--	--	--	--	--	
MW7	03/27/13	59.49	1	16.39	43.10	0.00	--	--	--	--	--	--	--	--	--	
MW7	06/18/13	59.49	1	16.55	42.94	0.00	--	--	--	--	--	--	--	--	--	
MW7	09/24/13	59.49	1	18.65	40.84	0.00	--	--	--	--	--	--	--	--	--	
MW7	03/04/14	59.49	1	15.22	44.27	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	< 0.50	--	
MW7	09/30/14	59.49	1	17.14	42.35	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	< 0.50	--	
MW8	12/29/08	NS	b	15.71	NC	0.00	<0.50	0.64	<0.50	0.78	<50	<50	<100	1.5	<5.0	
MW8	03/24/09	57.07	1	16.08	40.99	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	<0.50	<5.0	
MW8	06/02/09	57.07	1	15.46	41.61	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	<0.50	<5.0	
MW8	09/10/09	57.07	1	15.58	41.49	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	2.4	< 5.0	
MW8	12/04/09	57.07	1	16.27	40.80	0.00	--	--	--	--	--	--	--	--	--	
MW8	03/10/10	57.07	1	14.47	42.60	0.00	--	--	--	--	--	--	--	--	--	
MW8	05/28/10	57.07	1	16.12	40.95	0.00	--	--	--	--	--	--	--	--	--	
MW8	08/26/10	57.07	1	16.36	40.71	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	1.1	--	
MW8	12/22/10	57.07	1	16.25	40.82	0.00	--	--	--	--	--	--	--	--	--	
MW8	03/16/11	57.07	1	15.66	41.41	0.00	--	--	--	--	--	--	--	--	--	
MW8	06/21/11	57.07	1	15.72	41.35	0.00	--	--	--	--	--	--	--	--	--	
MW8	09/14/11	57.07	1	15.88	41.19	0.00	< 0.50	< 0.50	< 0.50	< 0.50	< 50	< 50	< 100	1.4	--	
MW8	12/01/11	57.07	1	16.01	41.06	0.00	--	--	--	--	--	--	--	--	--	
MW8	03/08/12	57.07	1	16.07	41.00	0.00	--	--	--	--	--	--	--	--	--	
MW8	06/04/12	57.07	1	12.45	44.62	0.00	--	--	--	--	--	--	--	--	--	
MW8	09/06/12	57.07	1	14.66	42.41	0.00	--	--	--	--	--	--	--	--	--	
MW8	12/14/12	57.07	1	12.96	44.11	0.00	--	--	--	--	--	--	--	--	--	
MW8	03/27/13	57.07	1	13.85	43.22	0.00	--	--	--	--	--	--	--	--	--	
MW8	06/18/13	57.07	1	14.81	42.26	0.00	--	--	--	--	--	--	--	--	--	
MW8	09/24/13	57.07	1	15.42	41.65	0.00	--	--	--	--	--	--	--	--	--	
MW8	03/04/14	57.07	1	13.90	43.17	0.00	< 0.50	< 0.50	< 0.50	< 0.50	53	< 50	< 100	< 0.50	--	
MW8	09/30/14	57.07	1	14.85	42.22	0.00	< 0.50	< 0.50	< 0.50	< 0.50	<50	< 50	< 100	< 0.50	--	
MW9A	09/10/09	65.90		22.51	43.39	0.00	7,800	33,000	4,500	25,000	160,000	< 20,000	410	1,800	780	
MW9A	12/04/09	65.90		24.42	41.48	0.00	--	--	--	--	--	--	--	--	--	
MW9A (m)	12/28/09	65.90		24.62	41.28	sheen	12,000	34,000	4,300	24,000	180,000	<200,000	3,400	2,100	680	
MW9A	03/10/10	65.90		22.30	43.60	0.00	15,000	42,000	4,800	26,000	210,000	< 40,000	250	2,300	--	
MW9A	05/28/10	65.90		22.62	43.29	(n)	Not Sampled due to Free Product									
MW9A	08/26/10	65.90		23.21	42.70	0.00	2,600	19,000	3,000	22,000	150,000	<500,000	11,000	75	--	
MW9A	09/21/10	65.90		NM	NC	0.00	1,400	9,600	1,600	12,000	70,000	--	--	--	--	
MW9A	12/22/10	65.90		22.63	43.28	0.00	4,400	17,000	1,900	13,000	83,000	<1500	<100	250	--	
MW9A	03/16/11	65.90		20.31	45.60	0.00	4,900	22,000	2,800	20,000	130,000	< 1500	230	620	--	
MW9A	06/21/11	65.90		20.36	45.55	0.00	16	33	39	230	2800	< 300	< 100	28	--	
MW9A	09/14/11	65.90		22.24	43.67	0.00	3700	17000	2800	21000	120000	< 25000	1400	720	--	
MW9A	12/01/11	65.90		23.02	42.89	0.00	3,700	14,000	2,000	15,000	98,000	<2000	410	670	--	
MW9A	03/08/12	65.90		22.90	43.01	0.00	4600	16000	2100	17000	97000	< 300	< 100	810	--	
MW9A	06/04/12	65.90		21.51	44.40	0.00	3,800	12,000	1,300	13,000	93,000	< 300	< 100	860	--	
MW9A	09/06/12	65.90		23.60	42.31	0.00	2,800	13,000	1,800	13,000	110,000	< 800	430	420	--	
MW9A	12/14/12	65.90		21.30	44.61	0.00	2,800	17,000	2,800	16,000	130,000	< 200	< 100	98	--	
MW9A	03/27/13	65.90		22.09	43.82	0.00	1,500	9,700	2,500	14,000	80,000	54	< 100	56	--	
MW9A	06/18/13	65.90		22.55	43.36	0.00	1,300	7,300	1,900	11,000	66,000	250	150	16	--	

TABLE 2 CUMULATIVE GROUNDWATER ELEVATION AND ANALYTICAL DATA
 FORMER VAL STROUGH CHEVROLET, 327 34th STREET OAKLAND, CALIFORNIA

Well Number	Date	Casing Elevation (feet)	Depth to Water (feet)	GW Elevation (feet)	SPH Thickness (feet)	Concentration (µg/L)								
						Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	TPH-mo	MTBE	TBA
MW9A	09/24/13	65.90	23.30	42.61	0.00	870	6,000	1,800	11,000	58,000	100	<100	<15	--
MW9A	12/10/13	65.90	23.43	42.48	0.00	410	5,300	2,400	13,000	65,000	58	<100	<15	--
MW9A	03/04/14	65.90	22.61	43.30	0.00	220	4,300	2,000	11,000	71,000	280	140	< 15	--
MW9A	06/11/14	65.90	22.61	43.30	0.00	77	1800	1400	6000	58000	390	< 100	< 9.0	--
MW9A	09/30/14	65.90	23.20	42.71	0.00	370	1600	1600	6800	51000	800	< 100	27	--
MW9B	09/10/09	65.85	22.30	43.55	0.00	640	4,500	1,100	6,500	36,000	< 3,000	< 100	61	< 50
MW9B	12/04/09	65.85	24.00	41.85	0.00	63	250	180	620	5,600	< 300	< 100	3.1	< 5.0
MW9B	03/10/10	65.85	22.41	43.44	0.00	98	310	340	900	7,500	< 600	< 100	5.7	--
MW9B	05/28/10	65.85	22.50	43.35	0.00	31	75	150	270	2,900	< 400	< 100	2.9	--
MW9B	08/26/10	65.85	23.31	42.54	0.00	13	160	310	2,000	14,000	<1000	<100	88	--
MW9B	09/20/10	65.85	NM	NC	0.00	7	110	140	830	6,200	--	--	--	--
MW9B	12/22/10	65.85	23.20	42.65	0.00	<0.5	3	1	10	140	<50	<100	4.5	--
MW9B	03/16/11	65.85	20.14	45.71	0.00	22	39	47	290	3,500	< 300	< 100	38	--
MW9B	06/21/11	65.85	20.30	45.55	0.00	9.2	29	38	260	2200	< 300	< 100	41	--
MW9B	09/14/11	65.85	21.44	44.41	0.00	17	22	47	220	2200	< 400	< 100	66	--
MW9B	12/01/11	65.85	23.17	42.68	0.00	9	68	32	190	1,000	<50	<100	79	--
MW9B	03/08/12	65.85	23.59	42.26	0.00	3.8	6.4	13	59	560	< 50	< 100	48	--
MW9B	06/04/12	65.85	21.50	44.35	0.00	34	56	38	160	1,400	< 50	< 100	40	--
MW9B	09/06/12	65.85	23.65	42.20	0.00	1.5	1.4	2.4	15	230	< 50	< 100	11	--
MW9B	12/14/12	65.85	21.30	44.55	0.00	3	5	19	63	1,100	84	< 100	2.1	--
MW9B	03/27/13	65.85	21.69	44.16	0.00	0.61	1.8	0.50	4.3	280	< 50	< 100	0.82	--
MW9B	06/18/13	65.85	22.65	43.20	0.00	<0.5	1.2	8.30	22.0	480	75	< 100	.05	--
MW9B	09/24/13	65.85	23.24	42.61	0.00	--	--	--	--	--	--	--	--	--
MW9B	03/04/14	65.85	22.91	42.94	0.00	< 0.50	0.68	3.5	9.4	170	64	< 100	< 0.50	--
MW9B	09/30/14	65.85	23.20	42.65	0.00	< 0.50	<0.5	3.30	3	200	<50	< 100	4.8	--
O1	09/10/09	65.91	22.44	43.47	0.00	960	2,400	1,000	4,600	23,000	< 1,500	< 100	180	84
O1	12/04/09	65.91	24.33	41.58	0.00	1,000	3,700	1,700	7,400	38,000	< 1000	< 100	310	200
O1	03/10/10	65.91	22.20	43.71	0.00	660	2,600	970	5,300	29,000	< 1000	< 100	200	--
O1	05/28/10	65.91	22.49	43.42	0.00	610	2,000	1,000	4,200	21,000	< 1500	< 100	270	--
O1	08/26/10	65.91	23.25	42.66	0.00	29	160	59	680	5,000	<500	<100	97	--
O1	09/20/10	65.91	NM	NC	0.00	24	140	28	330	2,000	--	--	--	--
O1	12/22/10	65.91	22.70	43.21	0.00	10	35	3	30	460	<50	<100	220	--
O1	03/16/11	65.91	20.19	45.72	0.00	200	440	240	850	6,900	< 300	< 100	180	--
O1	06/21/11	65.91	20.31	45.60	0.00	320	530	400	1500	8900	< 400	< 100	260	--
O1	09/14/11	65.91	22.16	43.75	0.00	320	540	510	1500	9000	< 1000	< 100	170	--
O1	12/01/11	65.91	22.97	42.94	0.00	98	61	250	140	2,600	<80	<100	110	--
O1	03/08/12	65.91	22.79	43.12	0.00	110	120	210	250	2800	< 50	< 100	140	--
O1	06/04/12	65.91	20.44	45.47	0.00	330	470	430	1,100	8,500	< 80	< 100	200	--
O1	09/06/12	65.91	25.10	40.81	0.00	64	61	59	84	1,100	< 50	< 100	36	--
O1	12/14/12	65.91	21.38	44.53	0.00	230	120	120	230	2500	< 50	< 100	14	--
O1	03/27/13	65.91	22.17	43.74	0.00	<0.50	<0.50	<0.50	<0.50	<50	<50	<100	<0.50	--
O1	06/18/13	65.91	22.79	43.12	0.00	11	19	41	41	460	<50	<100	0.63	--
O1	09/24/13	65.91	23.24	42.67	0.00	--	--	--	--	--	--	--	--	--
O1	03/04/14	65.91	22.61	43.30	0.00	18	6.6	69	14	730	< 50	< 100	0.6	--
O1	09/30/14	65.91	23.13	42.78	0.00	13	<0.5	3.4	0.94	140	< 50	< 100	1.4	--
DPE-1	09/24/13	65.91	22.94	42.97	0.00	380	5000	2400	15000	99000	660	<100	<20	--
DPE-1	03/04/14	65.91	22.42	43.49	0.00	63	890	440	4000	26000	180	< 100	< 5.0	--
DPE-1	06/11/14	65.91	22.42	43.49	0.00	62	990	660	3600	28000	180	< 100	8.2	--

TABLE 2 CUMULATIVE GROUNDWATER ELEVATION AND ANALYTICAL DATA
 FORMER VAL STROUGH CHEVROLET, 327 34th STREET OAKLAND, CALIFORNIA

Well Number	Date	Casing Elevation (feet)	Depth to Water (feet)	GW Elevation (feet)	SPH Thickness (feet)	Concentration (µg/L)								
						Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	TPH-mo	MTBE	TBA
SPH	Separate-phase hydrocarbons.													
GW	Groundwater.													
TPH-g	Total Petroleum Hydrocarbons quantified as gasoline.													
TPH-d	Total Petroleum Hydrocarbons quantified as diesel.													
TPH-mo	Total Petroleum Hydrocarbons quantified as motor oil.													
MTBE	Methyl tertiary butyl ether.													
TBA	Tertiary Butyl Alcohol													
NC	Not calculated.													
NS	Not surveyed													
µg/L	Micrograms per liter.													
*	SPH present; not sampled.													
**	Well MW4 elevation modified due to site renovation activities. Not Surveyed.													
--	Not analyzed or not sampled.													
<	Less than the laboratory reporting limits.													
a	Elevations are referenced to monitoring well MW1, with assumed datum of 100.00 feet.													
b	Elevations based on a survey conducted August 2002 and referenced benchmark with known elevation (NGVD 29) of 60.40 feet above mean sea level.													
c	Analysis not conducted due to broken sample containers.													
d	Hydrocarbon reported in the gasoline range does not match laboratory gasoline standard.													
e	Groundwater elevation in wells with LPH are corrected by multiplying the specific gravity of gasoline (0.69) by the LPH thickness and adding this value to the water elevation.													
f	Hydrocarbon reported is in the early diesel range, and does not match the laboratory diesel standard.													
g	Sample contained discrete peak in gasoline range and identified by lab as MTBE.													
h	Quantity of unknown hydrocarbon(s) in sample based on diesel.													
i	The concentration reported reflect(s) individual or discrete unidentified peaks not matching a typical fuel pattern.													
j	Depth to groundwater is based on the depth of the stingers.													
k	Quantity of unknown hydrocarbon(s) in sample based on motor oil.													
l	Resurveyed Prior to 1st Quarter 2009 Measurements													
m	The well was not purged due to insufficient water.													
n	Groundwater elevation corrected by substituting the "product thickness" in the water column of the well with thickness of the groundwater equivalent, determined by multiplying the specific gravity of gasoline (0.739) by the "product thickness".													
o	Some hydrocarbons lower-boiling, some higher-boiling than diesel.													

TABLE 3 HISTORICAL GRAB GROUNDWATER ANALYTICAL DATA
FORMER VAL STROUGH CHEVROLET, 327 34th STREET OAKLAND, CALIFORNIA

Boring ID	Date	Depth (feet)	Concentrations (µg/L)							
			Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TPH-g	TPH-d	TPH-mo
HP1	12/18/2003	26-30	<5.0	<5.0	<5.0	11	480	410	180	<500
HP3	12/18/2003	32-36	<0.50	<0.50	<0.50	<1.0	0.55	<50	75	<500
SB3	12/26/2007	24	0.75	28	35	180	0.59	1800	<1000	<100
SB3	12/26/2007	40	<0.50	1.1	5.3	33	1	240	<400	<100
SB4	12/26/2007	23	160	120	200	240	1.8	3500	<1500	<100
SB4	12/26/2007	40	250	1400	280	2000	3.2	9900	<1500	<100
SB5	12/26/2007	24	660	11000	4200	20000	34	110000	<100000	310
SB5	12/26/2007	40	74	1000	380	2400	31	13000	<3000	<100
SB6	12/26/2007	25	<0.5	6.6	3.6	27	1.2	210	<100	<100
SB6	12/26/2007	40	85	1500	620	6900	15	35000	<18000	<100
SB7	12/26/2007	40	120	1100	470	2900	7.9	20000	<6000	<100
SB8	12/26/2007	40	320	1300	920	3100	100	17000	<3000	<100
SB9	12/26/2007	34	<0.5	<0.5	<0.5	<0.5	92	<50	69	<100
SB10	12/26/2007	21.3	<0.5	<0.5	<0.5	<0.5	30	<50	2200	5000
SB11	12/26/2007	17	<0.5	<0.5	<0.5	<0.5	<50	<50	200	220
SB12	12/26/2007	20	<0.5	<0.5	<0.5	<0.5	43	67	950	1200
SB13	12/26/2007	26	<0.5	<0.5	<0.5	<0.5	160	<50	3800	6600

TPH-g Total Petroleum Hydrocarbons as gasoline.

TPH-d Total Petroleum Hydrocarbons as diesel.

TPH-mo Total Petroleum Hydrocarbons as motor oil.

< less than the laboratory reporting limits.

660 Bold values reflect maximum detected concentrations

Table 4 - Summary of VES Operation

Former Val Strough Chevrolet

327 34th Street

Oakland CA 94609

Date	Hour Meter Reading	Wellhead Influent				Date	Effluent		
		Flow Rate (scfm)	TPHg (ppmv)	MTPHg (lbs/day)	Cumulative Mass Removed-TPHg (lbs)		Flow Rate (scfm)	TPHg (ppmv)	MTPHg (lbs/day)
06-20-12	0.0	30.3	1,840	16	0	06-20-12	31.3	<5.66	<0.06
07-02-12	4.1	29.4	675	6.3	1.9	07-17-01	28.0	0.00	0.00
07-03-12	26.7	28.8	1,081	9.9	12.5	07-02-01	27.3	0.00	0.00
07-04-12	49.6	29.2	1,510	14.0	20.2	07-04-12	31.7	0.00	0.00
07-05-12	72.8	30.3	1,382	13.3	31.7	07-05-12	32.5	0.00	0.00
07-06-12	97.8	32.7	1,206	12.5	46.0	07-06-12	34.7	0.00	0.00
07-13-12	245.0	31.2	1,800	17.8	125.1	07-13-12	29.3	0.00	0.00
07-17-12	247.5	31.8	1,080	10.9	126.7	07-17-12	29.3	0.00	0.00
7-19-2012*	291.8	30.8	8,490	82.8	153.2	7-19-2012*	29.3	0.00	0.00
07-23-12	320.0	32.0	2,800	28.4	208.2	07-23-12	34.2	0.00	0.00
07-30-12	415.0	24.7	2,100	16.4	428.3	07-30-12	34.1	0.00	0.00
08-06-12	541.0	28.8	1,400	12.8	545.9	08-06-12	32.3	0.00	0.00
08-25-12	543.0	38.1	1,419	17.1	547.2	08-25-12	32.5	0.00	0.00
8-30-2012*	574.0	24.7	1,415	11.1	566.5	8-30-2012*	31.1	0.00	0.00
09-07-12	690.0	29.6	4,000	37.6	634.6	09-07-12	34.1	0.00	0.00
09-11-12	782.0	32.0	5,000	50.7	727.9	09-11-12	34.2	0.00	0.00
09-14-12	785.1	28.2	850	7.0	733.6	09-14-12	25.0	0.00	0.00
9-17-2012*	859.5	28.2	990	8.1	822.9	9-17-2012*	25.0	0.00	0.00
09-21-12	953.0	28.2	975	8.0	852.3	09-21-12	25.4	0.00	0.00
09-26-12	1001.0	23.8	257	1.8	868.4	09-26-12	27.3	0.00	0.00
10-04-12	1187.0	23.8	800	5.5	906.3	10-04-12	25.2	0.00	0.00
10-12-12	1259.0	28.3	990	8.1	917.2	10-12-12	25.2	0.00	0.00
10-19-12	1313.0	26.1	2,450	18.6	932.6	10-19-12	26.5	0.00	0.00
10-30-12*	1315.6	20.0	3,113	18.1	934.1	10-30-12*	25.0	0.00	0.00
11-05-12	1459.0	28.2	1,400	11.5	1043.6	11-05-12	27.3	0.00	0.00
11-09-12	1493.0	32.3	2,400	22.5	1064.5	11-09-12	34.1	0.00	0.00
11-12-12	1555.0	28.2	1,100	9.0	1108.5	11-12-12	26.6	0.00	0.00
11-13-12	1586.0	28.2	1,000	8.2	1128.8	11-13-12	26.5	0.00	0.00
11-27-12*	1589.0	28.3	452	3.7	1129.9	11-27-12*	25.2	0.00	0.00
12-14-12	1664.0	28.2	405	3.3	1148.5	12-14-12	26.5	0.00	0.00
12-21-12	1809.0	27.0	275	2.2	1169.8	12-21-12	27.3	0.00	0.00
12-28-12*	1965.0	26.2	481	3.7	1187.6	12-28-12*	25.2	0.00	0.00
01-08-13	2103.0	32.2	325	3.3	1204.4	01-08-13	34.2	0.00	0.00
01-18-13	2149.0	26.7	400	3.4	1211.1	01-18-13	28.7	0.00	0.00
1-21-13*	2214.0	21.2	269	1.8	1220.1	1-21-13*	26.5	0.00	0.00
01-25-13	2217.0	17.9	330	1.9	1220.5	01-25-13	24.3	0.00	0.00
01-28-13	2280.0	20.3	240	1.5	1225.3	01-28-13	23.6	0.00	0.00
02-07-13	2282.0	18.8	650	3.9	1225.4	02-07-13	22.5	0.00	0.00
02-11-13	2350.0	15.0	400	1.7	1233.1	02-11-13	21.7	0.00	0.00
02-15-13	2454.0	13.8	875	3.5	1245.3	02-15-13	20.8	0.00	0.00
02-18-13	2515.0	21.2	285	1.8	1252.0	02-18-13	25.4	0.00	0.00
02-22-13	2622.0	16.6	205	1.0	1263.7	02-22-13	20.7	0.00	0.00
2-25-13*	2687.0	23.8	425	2.9	1267.4	2-25-13*	25.0	0.00	0.00
03-01-13	2788.0	18.6	3,300	17.9	1275.7	03-01-13	25.2	0.00	0.00
03-04-13	2853.0	19.2	508	2.8	1303.9	03-04-13	23.4	0.00	0.00
03-08-13	2956.0	21.8	300	1.9	1348.3	03-08-13	25.0	0.00	0.00
03-11-13	3022.0	15.6	1,400	6.4	1354.8	03-11-13	20.8	0.00	0.00
3-15-13*	3116.0	23.4	2,180	14.9	1371.0	3-15-13*	34.4	0.00	0.00
03-18-13	3187.0	31.2	802	7.3	1402.4	03-18-13	28.0	0.00	0.00
03-22-13	3291.0	26.3	5,000	38.3	1450.4	03-22-13	26.5	0.00	0.00
03-25-13	3355.0	22.8	3,100	20.5	1511.2	03-25-13	25.2	0.00	0.00
03-29-13	3404.0	18.1	405	20.5	1571.3	03-29-13	26.5	0.00	0.00
04-11-13	3598.0	19.8	2,500	14.4	1737.2	04-11-13	23.8	0.00	0.00

Table 4 - Summary of VES Operation

Former Val Strough Chevrolet
 327 34th Street
 Oakland CA 94609

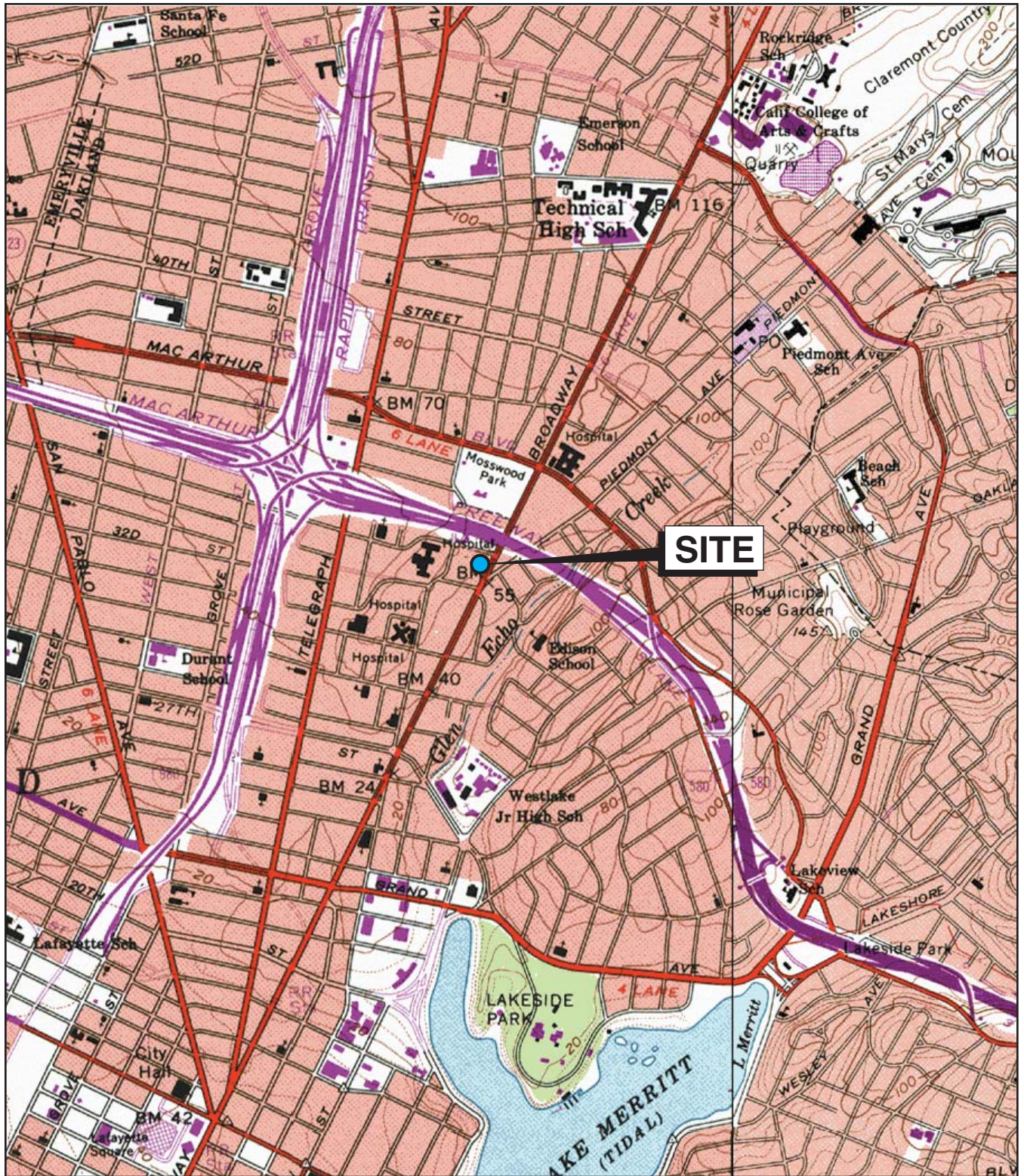
Date	Hour Meter Reading	Wellhead Influent				Date	Effluent		
		Flow Rate (scfm)	TPHg (ppmv)	MTPHg (lbs/day)	Cumulative Mass Removed-TPHg (lbs)		Flow Rate (scfm)	TPHg (ppmv)	MTPHg (lbs/day)
04-19-13	3679.0	16.6	995	4.8	1796.1	04-19-13	20.7	0.00	0.00
4-24-13*	3789.0	19.4	5,094	28.7	1840.2	4-24-13*	25.0	0.00	0.00
05-02-13	3981.0	20.0	5,000	29.1	1974.2	05-02-13	25.1	0.00	0.00
05-08-13	4130.0	32.3	3,300	31.0	2153.7	05-08-13	32.5	0.00	0.00
05-16-13	4322.0	26.8	975	7.6	2394.2	05-16-13	24.9	0.00	0.00
5-20-13*	4412.0	23.5	2,717	18.6	2466.5	5-20-13*	20.8	0.00	0.00
06-18-13	4902.0	26.3	750	5.7	2733.5	06-18-13	26.5	0.00	0.00
6-24-13*	5034.0	22.8	3,679	24.4	2800.4	6-24-13*	25.2	0.00	0.00
07-01-13	5154.0	18.1	405	20.5	2875.6	07-01-13	26.5	0.00	0.00
07-08-13	5226.0	27.0	275	2.2	3129.2	07-08-13	27.3	0.00	0.00
07-15-13	5394.0	26.2	481	3.7	3208.6	07-15-13	25.2	0.00	0.00
7-23-13*	5569.0	19.7	3,396	19.5	3274.5	7-23-13*	20.7	5.60	0.04
08-07-13	5926.0	21.6	3,500	22.0	3455.0	08-07-13	22.5	0.00	0.00
8-16-13*	5999.0	19.3	4,811	27.0	3532.1	8-16-13*	20.7	116.00	0.76
08-30-13	6335.0	21.0	2,800	17.1	3925.0	08-30-13	21.6	0.00	0.00
09-04-13	6455.0	18.6	2,600	14.1	4045.3	09-04-13	19.7	0.00	0.00
09-25-13	6460.0	18.5	850	4.6	4047.5	09-25-13	19.7	0.00	0.00
11-01-13	6582.0	31.2	925	8.4	4106.3	11-01-13	32.8	0.00	0.00
11-08-13	6750.0	31.5	3,200	29.3	4155.8	11-08-13	31.3	0.00	0.00
11-15-13	6918.0	30.9	1,800	16.2	4343.7	11-15-13	29.6	0.00	0.00
11-20-13	7038.0	31.6	2,700	24.8	4435.5	11-20-13	30.3	0.00	0.00
11-25-13*	7153.0	32.4	1,528	14.4	4500.2	11-25-13*	30.8	<5.6	0.05
12-10-13	7265.0	30.7	960	8.6	4542.3	12-10-13	33.0	0.00	0.00
12-19-13	7313.0	32.1	975	9.1	4570.4	12-19-13	31.6	0.00	0.00
12-26-13*	7399.0	32.9	877	8.4	4626.1	12-26-13*	33.3	<0.0	0.00
01-04-14	7519.0	27.2	760	6.0	4714.5	01-04-14	33.3	<0.0	0.00
01-17-14	7640.0	29.5	690	5.9	4772.9	01-17-14	30.8	<0.0	0.00
01-23-14	7770.0	24.1	650	4.6	4827.0	01-23-14	28.1	<0.0	0.00
01-30-14	7940.0	26.2	950	7.2	4859.3	01-30-14	27.4	<0.0	0.00
02-06-14	7970.0	25.7	500	3.7	4869.1	02-06-14	26.7	<0.0	0.00
02-14-14	8058.0	28.6	475	4.0	4929.7	02-14-14	28.8	<0.0	0.00
02-20-14	8141.0	27.6	420	3.4	4964.5	02-20-14	28.1	<0.0	0.00
03-04-14	8166.0	26.3	510	3.9	4979.2	03-04-14	28.1	<0.0	0.00
3-28-2014*	8168.0	27.6	622	5.0	4980.0	3-28-2014*	28.1	<0.0	0.00
04-04-14	8294.0	28.9	525	4.4	5015.6	04-04-14	28.8	<0.0	0.00
04-11-14	8422.0	27.6	250	2.0	5051.7	04-11-14	27.4	<0.0	0.00
04-22-14	8687.0	19.5	175	1.0	5109.1	04-22-14	28.1	<0.0	0.00
4-28-2014*	8831.0	19.5	116	0.7	5130.1	4-28-2014*	23.5	<0.0	0.00
05-05-14	9003.0	17.5	130	0.7	5153.7	05-05-14	26.7	<0.0	0.00
05-20-14	9360.0	24.7	220	1.6	5192.5	05-20-14	28.8	<0.0	0.00
5-28-2014*	9557.0	24.7	128	0.9	5228.6	5-28-2014*	28.1	<0.0	0.00
06-05-14	9634.0	19.5	150	0.9	5236.1	06-05-14	25.2	<0.0	0.00
06-13-14	9778.0	17.5	200	1.0	5250.5	06-13-14	21.8	<0.0	0.00
06-20-14	9922.0	24.7	130	0.9	5263.7	06-20-14	20.9	<0.0	0.00

Table 5
GROUNDWATER EXTRACTION AND TREATMENT SYSTEM
OPERATIONAL DATA

Former Val Strough Chevrolet
327 34th Street
Oakland CA 94609

Sample Date	Operation (days)	Cumulative Operation (days)	Flow Meter Reading (gallons)	Flow Rate (gpm)	Mass Extraction Rates			Cumulative Mass Extraction			Mass Discharge Rates		
					TPHg (lbs/day)	MTBE (lbs/day)	benzene (lbs/day)	TPHg (lbs)	MTBE (lbs)	benzene (lbs)	TPHg (lbs/day)	MTBE (lbs/day)	benzene (lbs/day)
06-20-12			100										
06-20-12	0	0	890	2.61	0.17	0.00	0.006	0.04	0.00	0.0013	<3.4E-03	<1.6E-05	<1.6E-05
07-19-12	29	29	82,000	1.94	0.177	0.001	0.003	5.170	0.041	0.089	<1.2E-03	<1.2E-05	<1.2E-05
08-30-12	42	71	153,500	1.18	0.081	0.000	0.001	8.565	0.052	0.143	<7.1E-04	<2.8E-05	<7.1E-06
09-17-12	18	89	207,600	2.09	0.218	0.001	0.003	12.486	0.072	0.197	<1.3E-03	<5.0E-05	<1.3E-05
10-30-12	43	132	245,000	0.60	0.035	0.000	0.000	13.981	0.075	0.217	<3.6E-04	<1.4E-05	<3.6E-06
11-27-12	28	160	261,300	0.40	0.005	0.000	0.000	14.116	0.076	0.218	<2.4E-04	<9.7E-06	<2.4E-06
12-28-12	31	191	318,700	1.29	0.008	0.000	0.000	14.374	0.080	0.219	<7.7E-04	<3.1E-05	<7.7E-06
01-21-13	24	215	351,600	0.95	0.026	0.000	0.000	15.004	0.082	0.226	<5.7E-04	<2.3E-05	<5.7E-06
02-25-13	35	250	399,400	0.95	0.003	0.000	0.000	15.092	0.085	0.226	<5.7E-04	<2.3E-05	<5.7E-06
03-15-13	18	268	451,700	2.02	0.082	0.000	0.000	16.573	0.094	0.234	<1.2E-03	<4.8E-05	<1.2E-05
04-24-13	40	308	551,200	1.73	0.114	0.000	0.000	21.132	0.109	0.252	<1.0E-03	<4.1E-05	<1.0E-05
05-20-13	26	334	592,200	1.10	0.076	0.000	0.000	23.113	0.113	0.256	<6.6E-04	<2.6E-05	<6.6E-06
06-24-13	35	369	648,300	1.11	0.053	0.000	0.000	24.982	0.117	0.262	<6.7E-04	<2.7E-05	<6.7E-06
07-23-13	29	398	708,100	1.43	0.124	0.000	0.000	28.568	0.122	0.267	<8.6E-04	<8.6E-06	<8.6E-06
08-16-13	24	422	735,900	0.80	0.052	0.000	0.000	29.819	0.124	0.268	<4.8E-04	<4.8E-06	<4.8E-06
09-30-13	45	467	776,200	0.62	0.018	0.000	0.000	30.625	0.126	0.272	<5.4E-04	<3.7E-06	<3.7E-06
11-25-13	56	523	813,500	0.46	0.055	0.000	0.000	33.732	0.128	0.292	<2.8E-04	<2.8E-06	<2.8E-06
12-26-13	31	554	834,300	0.47	0.026	0.000	0.000	34.529	0.129	0.293	<2.8E-04	<2.8E-06	<2.8E-06
01-30-14	35	589	874,300	0.79	0.015	0.000	0.000	35.062	0.130	0.294	<4.8E-04	<4.8E-06	<4.8E-06
03-28-14	57	646	881,400	0.09	0.003	0.000	0.000	35.257	0.130	0.294	<0.00005	<5.2E-07	<5.2E-07
04-28-14	31	677	924,500	0.97	0.004	0.000	0.000	35.379	0.131	0.294	<0.00058	<5.8E-06	<5.8E-06
05-28-14	30	707	965,800	0.96	0.002	0.000	0.000	35.438	0.131	0.294	<0.00057	<5.7E-06	<5.7E-06
06-20-14	23	730	984,700	0.57	0.001	0.000	0.000	35.464	0.131	0.295	<0.00000	<0.0E+00	<0.0E+00

FIGURES



Base map: Maptech Inc., 2001



0 2,000

Scale (feet)



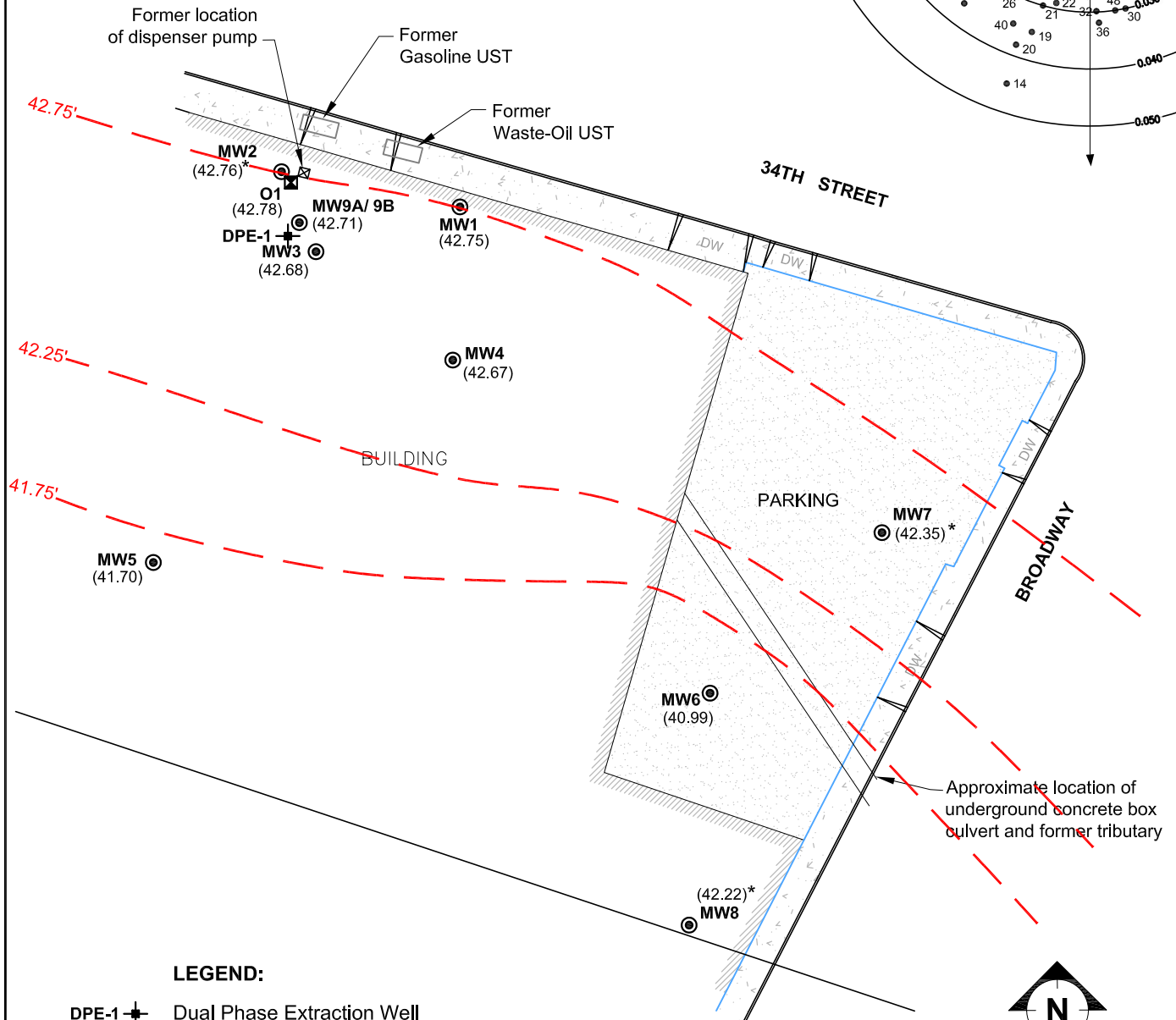
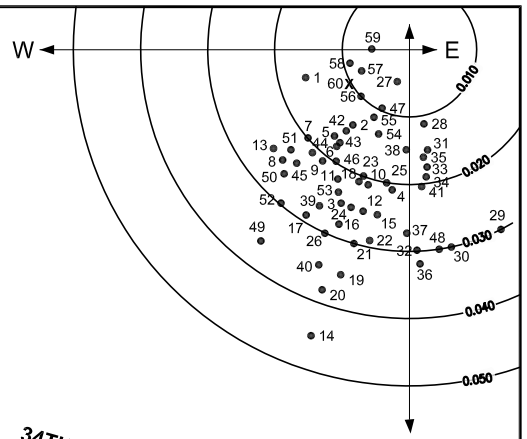
SITE LOCATION MAP
 FORMER VAL STROUGH CHEVROLET
 327 34TH STREET, OAKLAND, CALIFORNIA

FIGURE:

1

ROSE DIAGRAM

- Historical
- X This Event



LEGEND:

DPE-1 + Dual Phase Extraction Well

MW1 ● Groundwater Monitoring Well

(42.75) Groundwater Elevation (feet above mean sea level)

42.25' - - - Groundwater Elevation Contour (feet above mean sea level) dashed where inferred

* Data not used in Contouring

▨ Building footprint (approximate)

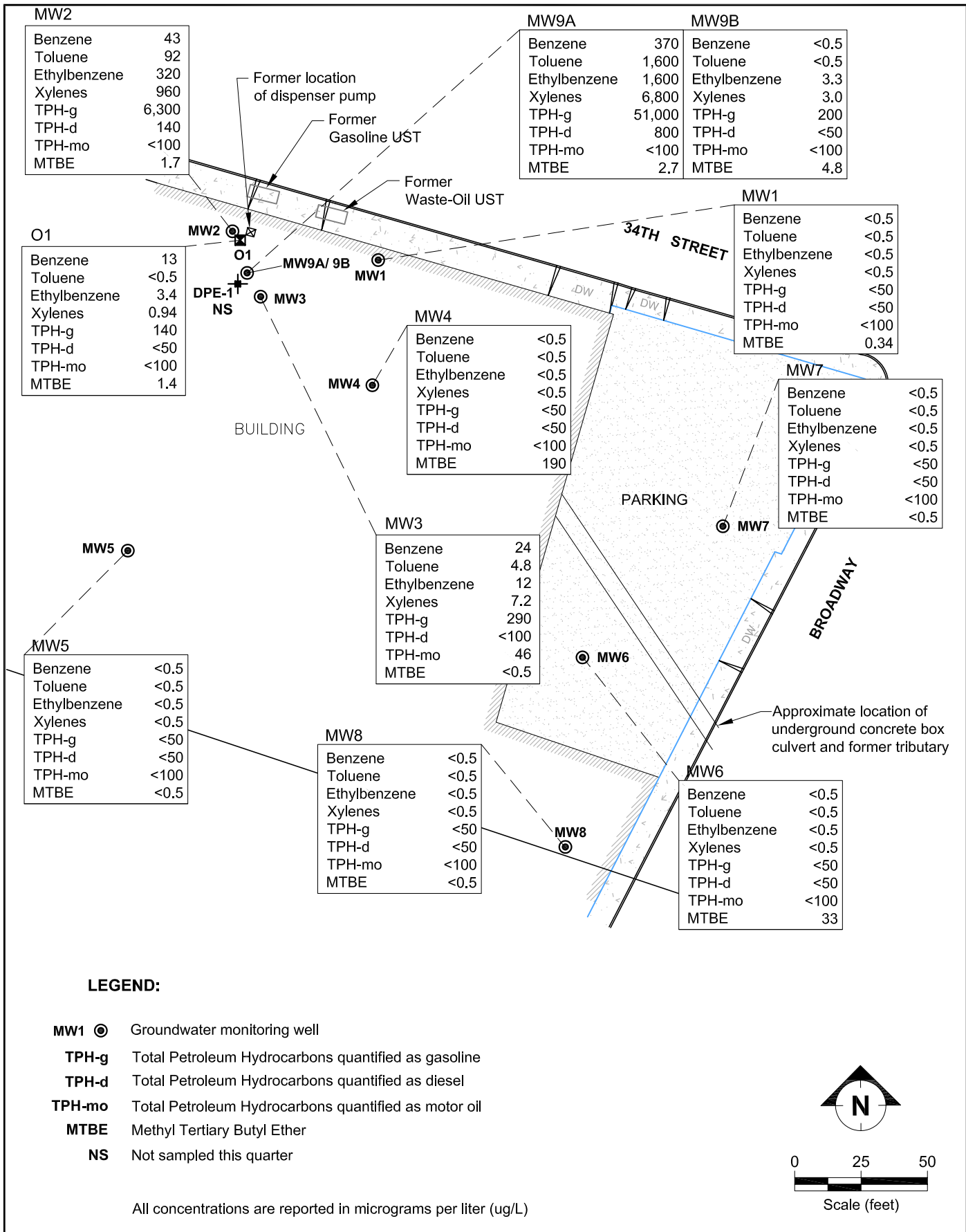
Base Map: Virgil Chavez Land Surveying, dated January 2009.



GROUNDWATER ELEVATION CONTOUR MAP AND ROSE DIAGRAM
3RD QUARTER 2014 MONITORING EVENT
 FORMER VAL STROUGH CHEVROLET
 327 34TH STREET, OAKLAND, CALIFORNIA
 SEPTEMBER 2014

FIGURE:

2



GROUNDWATER ANALYTICAL DATA
3RD QUARTER 2014 MONITORING EVENT
 FORMER VAL STROUGH CHEVROLET
 327 34TH STREET, OAKLAND, CALIFORNIA
 SEPTEMBER 2014

FIGURE:
3

Appendix A
Field Documents

Purging And Sampling Data Sheet

Job Number: TMSTROUGH		Sampler:		Client: Val Strough	
Well ID: MW7		Date: 9/30/14		Site: Former Val Strough Chevrolet 327 34th. Street, Oakland	
Well Diameter: 2		DTW: 17.14		Total Depth 34.8	
Purge Equipment <u>purge pump</u>			Tubing (OD) <u>1/2</u>		<u>New</u> Dedicated
Purge Method		3- 5 Casing Vol Micro/low Flow Extraction Well Other:			
Multipliers		1"=0.04, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47 Gallons per liner foot			
Total Depth - DTW X Multiplier = 1 casing vol.			80% Recovery = Total Depth -DTW X .20 + DTW		

1 volume = 17.66 X _____ = 2.82 Gallons 80% = _____

Time	ph	Temp	Cond	Turb	DO	ORP	Gallons	Notes
0945	5.53	19.02	1,20	>5000	8.98	117	.5	
0948	6.30	19.6	.87	156	5.64	140	3.0	
0952	6.53	19.53	.831	56.8	5.63	160	6.0	
0957	6.76	19.74	.835	5.88	5.80	152	9.0	Turb 152
1000					6.1			
1000	6.83	19.65	.848	153	6.01	150	9.25	

Well Dewater		Yes / No <u>Yes</u>		Total Volume Removed: <u>9.25</u> Gallons	
Sample Method:		<u>Disp Bailer</u>		New Tubing Sample port Other: _____	
Sample Date: 9/30/14		Sample Time: <u>1000</u>		DTW at Sample: _____	
Sample ID: MW7		Lab: <u>KIPP</u>		Number of Containers: <u>5</u>	
Analysis: TPH- Gas, BTEX, MTBE					

Notes:

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Purging And Sampling Data Sheet

Job Number: TMSTROUGH	Sampler:	Client: Val Strough
Well ID: MW6	Date: 9/30/14	Site: Former Val Strough Chevrolet 327 34th. Street, Oakland
Well Diameter: 2	DTW: 18.61	Total Depth 27.0
Purge Equipment	Tubing (OD) 1/2	New Dedicated
Purge Method	3- 5 Casing Vol Micro/low Flow Extraction Well Other:	
Multipliers	1"= 0.04, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47 Gallons per liner foot	
Total Depth - DTW X Multplier = 1 casing vol.		80% Recovery = Total Depth -DTW X .20 + DTW

1 volume = 8.35 x = 1.34 Gallons 80% =

Time	ph	Temp	Cond	Turb	DO	ORP	Gallons	Notes
1014	6.79	19.09	963	>5000	3.82	-115	4.5	
1016	6.69	19.09	982	333	8.8	-130	1.5	
1017	6.68	19.01	.993	287	3.46	-139	3.0	
1018	6.72	18.98	981	287	3.86	-143	4.5	Turb 2.73
1021								
1024	6.81	18.76	977	>5000	3.33	-150	5.0	

Well Dewater	Yes / No	Total Volume Removed:	5.0	Gallons
Sample Method:	Disp Bailer	New Tubing	Sample port	Other:
Sample Date: 9/30/14	Sample Time: 1024	DTW at Sample:		
Sample ID: MW6	Lab: LIPP	Number of Containers: 5		
Analysis: TPH- Gas, BTEX, MTBE				

Notes:

Purging And Sampling Data Sheet

Job Number: TMSTROUGH		Sampler:		Client: Val Strough	
Well ID: MW5		Date: 9/30/14		Site: Former Val Strough Chevrolet 327 34th. Street, Oakland	
Well Diameter: 2		DTW: 23.89		Total Depth 26.55	
Purge Equipment Hand Bailer		Tubing (OD) 1/2		New Dedicated	
Purge Method		3- 5 Casing Vol Micro/low Flow Extraction Well Other:			
Multipliers		1"= 0.04, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47 Gallons per liner foot			
Total Depth - DTW X Multplier = 1 casing vol.			80% Recovery = Total Depth -DTW X .20 + DTW		

1 volume = 2.66 x .16 = .42 Gallons 80% = _____

Time	ph	Temp	Cond	Turb	DO	ORP	Gallons	Notes
1106	7.11	18.96	1606	35.5	6.63	103	.25	
1108	6.92	18.74	1636	440	5.10	107	1.50	
1109	6.91	18.65	1637	527	5.40	109	1.0	
1111	6.85	18.6	1675	836	5.47	118	1.5	

Well Dewater		Yes / No		Total Volume Removed: 1.5 Gallons	
Sample Method:		Disp Bailer		New Tubing Sample port Other:	
Sample Date: 9/30/14		Sample Time: 1113		DTW at Sample:	
Sample ID: MW5		Lab: KTRP		Number of Containers:	
Analysis: TPH- Gas, BTEX, MTBE					

Notes:

Purging And Sampling Data Sheet

Job Number: TMSTROUGH	Sampler:	Client: Val Strough
Well ID: MW4	Date: 9/30/14	Site: Former Val Strough Chevrolet 327 34th. Street, Oakland
Well Diameter: 2	DTW: 21.70	Total Depth 27.9
Purge Equipment <u>purgen</u>	Tubing (OD) <u>1/2</u>	<u>New</u> Dedicated
Purge Method	3- 5 Casing Vol Micro/low Flow Extraction Well Other:	
Multipliers	1"= 0.04, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47 Gallons per liner foot	
Total Depth - DTW X Multplier = 1 casing vol.		80% Recovery = Total Depth -DTW X .20 + DTW

1 volume = 6.2 x 0.99 = 6.138 Gallons 0.99 80% = _____

Time	ph	Temp	Cond	Turb	DO	ORP	Gallons	Notes
1138	6.71	18.96	952	776	6.27	163	0.25	
1139	6.79	19.24	892	479	6.21	158	1.0	
1141	6.76	19.3	911	196	6.22	153	2.0	
1143	6.80	19.2	934	154	6.24	147	3.0	
1146	6.82	19.24	92	565	6.34	152	3.5	

Well Dewater	Yes / <u>No</u>	Total Volume Removed: <u>3.5</u>	Gallons
Sample Method:	<u>Disp Bailer</u>	New Tubing	Sample port Other: _____
Sample Date: 9/30/14	Sample Time: <u>1146</u>	DTW at Sample:	
Sample ID: MW4	Lab: <u>KIPP</u>	Number of Containers: <u>5</u>	
Analysis: TPH- Gas, BTEX, MTBE			

Notes:

Purging And Sampling Data Sheet

Job Number: TMSTROUGH		Sampler:		Client: Val Strough	
Well ID: MW1		Date: 9/30/14		Site: Former Val Strough Chevrolet 327 34th. Street, Oakland	
Well Diameter: 2		DTW: 21.90		Total Depth 31.20	
Purge Equipment <u>Purgen</u>		Tubing (OD) <u>1/2</u>		<u>New</u> Dedicated	
Purge Method		3- 5 Casing Vol Micro/low Flow Extraction Well		Other:	
Multipliers		1"= 0.04, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47 Gallons per liner foot			
Total Depth - DTW X Multplier = 1 casing vol.			80% Recovery = Total Depth -DTW X .20 + DTW		

1 volume = 9.3 x = 1.48 Gallons 80% =

Time	ph	Temp	Cond	Turb	DO	ORP	Gallons	Notes
1202	6.81	19.5	1.34	350	152	152	.5	6.39 DO
1205	6.65	19.34	1.36	117	146	146	1.5	6.36.
1208	6.67	19.34	1.30	40	6.43	145	3.0	
1210	6.72	19.33	1.32	50.4	6.43	144	4.5	
1214	6.76	19.34	1.34	190	6.42	148	5.0	

Well Dewater		Yes / No <u> </u>		Total Volume Removed: <u>5.0</u> Gallons	
Sample Method:		<u>Disp Bailer</u>		New Tubing Sample port Other: <u> </u>	
Sample Date: 9/30/14		Sample Time: <u>1214</u>		DTW at Sample:	
Sample ID: MW1		Lab: <u>KIFF</u>		Number of Containers: <u>5</u>	
Analysis: TPH- Gas, BTEX, MTBE					

Notes:

Purging And Sampling Data Sheet

Job Number: TMSTROUGH		Sampler:		Client: Val Strough	
Well ID: MW2		Date: 9/30/14		Site: Former Val Strough Chevrolet 327 34th. Street, Oakland	
Well Diameter: 2		DTW: 22.95		Total Depth 32.0	
Purge Equipment <u>purge pump</u>		Tubing (OD) <u>1/2</u>		<u>New</u> Dedicated	
Purge Method		3- 5 Casing Vol Micro/low Flow Extraction Well Other:			
Multipliers		1"= 0.04, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47 Gallons per liner foot			
Total Depth - DTW X Multiplier = 1 casing vol.			80% Recovery = Total Depth -DTW X .20 + DTW		

1 volume = 9.05 x = 1.45 Gallons 80% =

Time	ph	Temp	Cond	Turb	DO	ORP	Gallons	Notes
1230	6.72	19.4	1.06	81.5	6.39	-69	1.5	
1232	6.77	19.46	1.02	71.8	4.62	-89	1.5	
1234	6.85	19.43	1.01	13.5	4.80	-92	3.0	
1236	6.86	19.4	1.03	9.7	4.5	-88	4.5	19.46 Temp
1238	6.86	19.51	1.02	56.5	4.34	-87	5.0	

Well Dewater <u>Yes/No</u>		Total Volume Removed: <u>5.0</u> Gallons	
Sample Method: <u>Disp Bailer</u> New Tubing Sample port Other: <u> </u>			
Sample Date: 9/30/14		Sample Time: <u>1238</u>	DTW at Sample: <u> </u>
Sample ID: MW2		Lab: <u>KIPP</u>	Number of Containers: <u>5</u>
Analysis: TPH- Gas, BTEX, MTBE			

Notes:

Purging And Sampling Data Sheet

Job Number: TMSTROUGH		Sampler:		Client: Val Strough	
Well ID: O1		Date: 9/30/14		Site: Former Val Strough Chevrolet 327 34th. Street, Oakland	
Well Diameter: 2		DTW: 23.13		Total Depth 39.82	
Purge Equipment <i>purger pump</i>		Tubing (OD) 1/2		New Dedicated	
Purge Method		3- 5 Casing Vol Micro/low Flow Extraction Well Other:			
Multipliers		1"= 0.04, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47 Gallons per liner foot			
Total Depth - DTW X Multplier = 1 casing vol.			80% Recovery = Total Depth -DTW X .20 + DTW		

1 volume = 16.69 x _____ = 2.67 Gallons 80% = _____

1300

Time	ph	Temp	Cond	Turb	DO	ORP	Gallons	Notes
1254	7.05	19.44	1.21	75000	6.89	-26	1.5	
1258	7.19	19.42	1.10	166	6.89	-18	3.0	2.3
1300	7.14	19.44	1.16	69.1	0.70	4	5.5	
1302	7.19	19.44	1.08	52.4	0.66	11	8.0	
1305	7.03	19.39	1.05	302	0.35	39	8.5	

Well Dewater		Yes / No		Total Volume Removed: 8.5 Gallons	
Sample Method:		Disp Bailer		New Tubing Sample port Other:	
Sample Date: 9/30/14		Sample Time: 1305		DTW at Sample:	
Sample ID: O1		Lab: KIPP		Number of Containers: 5	
Analysis: TPH- Gas, BTEX, MTBE					

Notes:

Purging And Sampling Data Sheet

Job Number: TMSTROUGH		Sampler:		Client: Val Strough	
Well ID: MW9A		Date: 9/30/14		Site: Former Val Strough Chevrolet 327 34th. Street, Oakland	
Well Diameter: 2		DTW: 23.20		Total Depth 24.9	
Purge Equipment <u>Hand Bail</u>		Tubing (OD) <u>N/A</u>		New Dedicated	
Purge Method		<input checked="" type="checkbox"/> 3- 5 Casing Vol <input type="checkbox"/> Micro/low Flow <input type="checkbox"/> Extraction Well <input type="checkbox"/> Other:			
Multipliers		1"= 0.04, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47 Gallons per liner foot			
Total Depth - DTW X Multplier = 1 casing vol.			80% Recovery = Total Depth -DTW X .20 + DTW		

1 volume = 1.7 X _____ = .27 Gallons 80% = _____

Time	ph	Temp	Cond	Turb	DO	ORP	Gallons	Notes
1321	7.15	19.26	1.40	151	2.75	-99	.3	
1323	7.15	19.29	1.39	491	2.12	-115	.6	7.15 pH
1324	7.10	19.29	1.29	529	2.07	-111	.9	

Well Dewater <u>Yes / No</u>		Total Volume Removed: <u>1.0</u> Gallons	
Sample Method: <u>Disp Bailer</u> <input type="checkbox"/> New Tubing <input type="checkbox"/> Sample port <input type="checkbox"/> Other: _____			
Sample Date: 9/30/14		Sample Time: <u>1325</u>	
Sample ID: MW9A		DTW at Sample:	
Lab: <u>KIPP</u>		Number of Containers:	
Analysis: TPH- Gas, BTEX, MTBE			

Notes:

Purging And Sampling Data Sheet

Job Number: TMSTROUGH		Sampler:		Client: Val Strough	
Well ID: MW9B		Date: 9/30/14		Site: Former Val Strough Chevrolet 327 34th. Street, Oakland	
Well Diameter: 2		DTW: 23.13		Total Depth 38.85	
Purge Equipment <u>Purgen</u>		Tubing (OD) <u>1/2</u>		New Dedicated	
Purge Method		3-5 Casing Vol <u>3-5</u> Micro/low Flow Extraction Well Other:			
Multipliers		1"= 0.04, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47 Gallons per liner foot			
Total Depth - DTW X Multplier = 1 casing vol.			80% Recovery = Total Depth -DTW X .20 + DTW		

1 volume = 15.72 x _____ = 2.50 Gallons 80% = _____

Time	ph	Temp	Cond	Turb	DO	ORP	Gallons	Notes
1334	7.34	19.39	2.78	884	6.11	-76	1.5	
1338	7.96	19.41	1.49	179	6.16	50	2.5	
1344	7.93	19.5	1.17	55.4	6.18	71	5.0	
1353	8.07	19.54	1.14	27.6	6.36	94	7.5	
1355	8.08	19.42	1.24	169	6.31	114	8.0	

Well Dewater		Yes / <u>No</u>		Total Volume Removed: <u>8.0</u> Gallons	
Sample Method:		<u>Disp Bailer</u>		New Tubing Sample port Other: _____	
Sample Date: 9/30/14		Sample Time: <u>1355</u>		DTW at Sample: _____	
Sample ID: MW9B		Lab: <u>KIPP</u>		Number of Containers: <u>5</u>	
Analysis: TPH- Gas, BTEX, MTBE					

Notes:

Purging And Sampling Data Sheet

Job Number: TMSTROUGH		Sampler:		Client: Val Strough	
Well ID: MW3		Date: 9/30/14		Site: Former Val Strough Chevrolet 327 34th. Street, Oakland	
Well Diameter: 2		DTW: 23.02		Total Depth 32.0	
Purge Equipment <u>Purging Pump</u>		Tubing (OD) <u>1/2</u>		New Dedicated	
Purge Method		3- 5 Casing Vol Micro/low Flow Extraction Well Other:			
Multipliers		1"= 0.04, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47 Gallons per liner foot			
Total Depth - DTW X Multiplier = 1 casing vol.			80% Recovery = Total Depth -DTW X .20 + DTW		

1 volume = 8.98 X _____ = 1.43 Gallons 80% = _____

Time	ph	Temp	Cond	Turb	DO	ORP	Gallons	Notes
1410	7.57	19.22	1.14	>5000	7.13	-105	15	
1412	7.43	19.20	1.06	204	4.16	-94	1.5	
1413	7.36	19.20	1.04	126	4.07	-95	3.0	
1414	7.32	19.20	1.02	91.4	3.65	-91	4.5	
1417	7.19	19.23	.99	152	3.45	-104	5.0	

Well Dewater <u>Yes</u> / No		Total Volume Removed: <u>5.0</u> Gallons	
Sample Method: <u>Disp Bailer</u> New Tubing Sample port Other: _____			
Sample Date: 9/30/14		Sample Time: <u>1417</u>	DTW at Sample:
Sample ID: MW3		Lab: <u>KIPP</u>	Number of Containers: <u>5</u>
Analysis: TPH- Gas, BTEX, MTBE			

Notes:

Purging And Sampling Data Sheet

Job Number: TMSTROUGH	Sampler: S. POLSTON	Client: VAL STROUGH
Well ID: MW8	Date: 9/30/2014	Site: FORMER CHEVY OAKLAND
Well Diameter: 2	DTW: 14.85	Total Depth 26.7
Purge Equipment: PURGE PUMP	<i>peri</i>	Tubing (OD) 1 1/2" 1/4 New Dedicated
Purge Method:	<input checked="" type="checkbox"/> 3- 5 Casing Vol <input type="checkbox"/> Micro/low Flow <input type="checkbox"/> Extraction Well <input type="checkbox"/> Other:	
Multipliers:	1"= 0.04, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47 Gallons per liner foot	

Total Depth - DTW X Multplier = 1 casing vol. 80% Recovery = Total Depth -DTW X .20 + DTW

1 volume = 11.85 X ~~16~~^{.04} = .474 Gallons 80% = 17.22

Time	ph	Temp	Cond	Turb	DO	ORP	Gallons	Notes
1048	6.99	20.16	1574	439	6.04	43	.50	
1051	6.84	20.3	1574	383	6.03	74	1.0	
1058	6.22	20.3	1570	30.7	6.08	40	1.25	Dry

Well Dewater Yes / No Total Volume Removed: 1.25 Gallons

Sample Method: Disp Bailer New Tubing Sample port Other: _____

Sample Date: **9/30/2014** Sample Time: **1440** DTW at Sample: **17.10**

Sample ID: **MW8** Lab: **KIFF** Number of Containers: **5**

Analysis: **TPH- Gas, BTEX, MTBE, TEPH**

Notes:

Appendix B

Laboratory Analytical Reports and Chain-of-Custody Documentation



Laboratory Results

Mehrdad Javaherian
LRM Consulting, Inc.
1534 Plaza Lane, #145
Burlingame, CA 94010

Subject : 11 Water Samples
Project Name : FORMER VAL STROUGH CHEVROLET
Project Number : TM STROUGH

Dear Mr. Javaherian,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC and TNI 2009 standards. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC.

Kiff Analytical, LLC is certified by the State of California under the Environmental Laboratory Accreditation Program (ELAP), lab number 08263CA.

If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Troy Turpen

Subject : 11 Water Samples
Project Name : FORMER VAL STROUGH CHEVROLET
Project Number : TM STROUGH

Case Narrative

Samples MW6, MW4, MW5, O1 and MW9A were centrifuged and decanted prior to extraction by EPA Modified Method 8015. This is a modification to Kiff Analytical's standard procedure. Any hydrocarbons that were adsorbed to the original container surfaces or sediment that remained in the original container were likely excluded.

Recoveries for some Matrix Spike/ Matrix Spike Duplicate analytes were outside control limits. This may indicate a bias for the samples that were spiked. Since the LCS recoveries were within control limits, no data are flagged.

Project Name : **FORMER VAL STROUGH CHEVROLET**

Project Number : **TM STROUGH**

Sample : **MW7**

Matrix : Water

Lab Number : 89290-01

Sample Date :09/30/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 13:30
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 13:30
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 13:30
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 13:30
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 13:30
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/02/14 13:30
1,2-Dichloroethane-d4 (Surr)	106		% Recovery	EPA 8260B	10/02/14 13:30
Toluene - d8 (Surr)	97.9		% Recovery	EPA 8260B	10/02/14 13:30
TPH as Diesel (w/ Silica Gel)	< 50	50	ug/L	M EPA 8015	10/03/14 14:24
TPH as Motor Oil (w/ Silica Gel)	< 100	100	ug/L	M EPA 8015	10/03/14 14:24
Octacosane (Silica Gel Surr)	116		% Recovery	M EPA 8015	10/03/14 14:24

Project Name : **FORMER VAL STROUGH CHEVROLET**

Project Number : **TM STROUGH**

Sample : **MW6**

Matrix : Water

Lab Number : 89290-02

Sample Date :09/30/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 12:58
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 12:58
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 12:58
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 12:58
Methyl-t-butyl ether (MTBE)	33	0.50	ug/L	EPA 8260B	10/02/14 12:58
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/02/14 12:58
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	10/02/14 12:58
Toluene - d8 (Surr)	98.6		% Recovery	EPA 8260B	10/02/14 12:58
TPH as Diesel (w/ Silica Gel)	< 50	50	ug/L	M EPA 8015	10/02/14 17:56
TPH as Motor Oil (w/ Silica Gel)	< 100	100	ug/L	M EPA 8015	10/02/14 17:56
Octacosane (Silica Gel Surr)	97.6		% Recovery	M EPA 8015	10/02/14 17:56

Project Name : **FORMER VAL STROUGH CHEVROLET**

Project Number : **TM STROUGH**

Sample : **MW5**

Matrix : Water

Lab Number : 89290-03

Sample Date :09/30/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 20:15
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 20:15
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 20:15
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 20:15
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 20:15
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/02/14 20:15
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	10/02/14 20:15
Toluene - d8 (Surr)	93.9		% Recovery	EPA 8260B	10/02/14 20:15
TPH as Diesel (w/ Silica Gel)	< 50	50	ug/L	M EPA 8015	10/02/14 17:27
TPH as Motor Oil (w/ Silica Gel)	< 100	100	ug/L	M EPA 8015	10/02/14 17:27
Octacosane (Silica Gel Surr)	102		% Recovery	M EPA 8015	10/02/14 17:27

Project Name : **FORMER VAL STROUGH CHEVROLET**

Project Number : **TM STROUGH**

Sample : **MW4**

Matrix : Water

Lab Number : 89290-04

Sample Date :09/30/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/01/14 20:28
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/01/14 20:28
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/01/14 20:28
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/01/14 20:28
Methyl-t-butyl ether (MTBE)	190	0.50	ug/L	EPA 8260B	10/01/14 20:28
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/01/14 20:28
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	10/01/14 20:28
Toluene - d8 (Surr)	99.0		% Recovery	EPA 8260B	10/01/14 20:28
TPH as Diesel (w/ Silica Gel)	< 50	50	ug/L	M EPA 8015	10/02/14 16:58
TPH as Motor Oil (w/ Silica Gel)	< 100	100	ug/L	M EPA 8015	10/02/14 16:58
Octacosane (Silica Gel Surr)	102		% Recovery	M EPA 8015	10/02/14 16:58

Project Name : **FORMER VAL STROUGH CHEVROLET**

Project Number : **TM STROUGH**

Sample : **MW1**

Matrix : Water

Lab Number : 89290-05

Sample Date :09/30/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 12:26
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 12:26
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 12:26
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 12:26
Methyl-t-butyl ether (MTBE)	0.54	0.50	ug/L	EPA 8260B	10/02/14 12:26
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/02/14 12:26
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	10/02/14 12:26
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	10/02/14 12:26
TPH as Diesel (w/ Silica Gel)	100	50	ug/L	M EPA 8015	10/06/14 12:11
(Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)					
TPH as Motor Oil (w/ Silica Gel)	120	100	ug/L	M EPA 8015	10/06/14 12:11
Octacosane (Silica Gel Surr)	112		% Recovery	M EPA 8015	10/06/14 12:11

Project Name : **FORMER VAL STROUGH CHEVROLET**

Project Number : **TM STROUGH**

Sample : **O1**

Matrix : Water

Lab Number : 89290-06

Sample Date :09/30/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	13	0.50	ug/L	EPA 8260B	10/02/14 11:23
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 11:23
Ethylbenzene	3.4	0.50	ug/L	EPA 8260B	10/02/14 11:23
Total Xylenes	0.94	0.50	ug/L	EPA 8260B	10/02/14 11:23
Methyl-t-butyl ether (MTBE)	1.4	0.50	ug/L	EPA 8260B	10/02/14 11:23
TPH as Gasoline	140	50	ug/L	EPA 8260B	10/02/14 11:23
1,2-Dichloroethane-d4 (Surr)	106		% Recovery	EPA 8260B	10/02/14 11:23
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	10/02/14 11:23
TPH as Diesel (w/ Silica Gel)	< 50	50	ug/L	M EPA 8015	10/02/14 15:59
TPH as Motor Oil (w/ Silica Gel)	< 100	100	ug/L	M EPA 8015	10/02/14 15:59
Octacosane (Silica Gel Surr)	103		% Recovery	M EPA 8015	10/02/14 15:59

Project Name : **FORMER VAL STROUGH CHEVROLET**

Project Number : **TM STROUGH**

Sample : **MW9B**

Matrix : Water

Lab Number : 89290-07

Sample Date :09/30/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 11:54
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 11:54
Ethylbenzene	3.3	0.50	ug/L	EPA 8260B	10/02/14 11:54
Total Xylenes	3.0	0.50	ug/L	EPA 8260B	10/02/14 11:54
Methyl-t-butyl ether (MTBE)	4.8	0.50	ug/L	EPA 8260B	10/02/14 11:54
TPH as Gasoline	200	50	ug/L	EPA 8260B	10/02/14 11:54
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	10/02/14 11:54
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	10/02/14 11:54
TPH as Diesel (w/ Silica Gel)	< 50	50	ug/L	M EPA 8015	10/02/14 18:55
TPH as Motor Oil (w/ Silica Gel)	< 100	100	ug/L	M EPA 8015	10/02/14 18:55
Octacosane (Silica Gel Surr)	112		% Recovery	M EPA 8015	10/02/14 18:55

Project Name : **FORMER VAL STROUGH CHEVROLET**

Project Number : **TM STROUGH**

Sample : **MW2**

Matrix : Water

Lab Number : 89290-08

Sample Date :09/30/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	43	1.5	ug/L	EPA 8260B	10/03/14 15:05
Toluene	92	1.5	ug/L	EPA 8260B	10/03/14 15:05
Ethylbenzene	320	1.5	ug/L	EPA 8260B	10/03/14 15:05
Total Xylenes	960	1.5	ug/L	EPA 8260B	10/03/14 15:05
Methyl-t-butyl ether (MTBE)	1.7	1.5	ug/L	EPA 8260B	10/03/14 15:05
TPH as Gasoline	6300	150	ug/L	EPA 8260B	10/03/14 15:05
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	10/03/14 15:05
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	10/03/14 15:05
TPH as Diesel (w/ Silica Gel)	140	50	ug/L	M EPA 8015	10/02/14 15:29
(Note: Lower boiling hydrocarbons present, atypical for Diesel Fuel.)					
TPH as Motor Oil (w/ Silica Gel)	< 100	100	ug/L	M EPA 8015	10/02/14 15:29
Octacosane (Silica Gel Surr)	108		% Recovery	M EPA 8015	10/02/14 15:29

Project Name : **FORMER VAL STROUGH CHEVROLET**

Project Number : **TM STROUGH**

Sample : **MW3**

Matrix : Water

Lab Number : 89290-09

Sample Date :09/30/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	24	0.50	ug/L	EPA 8260B	10/02/14 09:46
Toluene	4.8	0.50	ug/L	EPA 8260B	10/02/14 09:46
Ethylbenzene	12	0.50	ug/L	EPA 8260B	10/02/14 09:46
Total Xylenes	7.2	0.50	ug/L	EPA 8260B	10/02/14 09:46
Methyl-t-butyl ether (MTBE)	46	0.50	ug/L	EPA 8260B	10/02/14 09:46
TPH as Gasoline	290	50	ug/L	EPA 8260B	10/02/14 09:46
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	10/02/14 09:46
Toluene - d8 (Surr)	94.5		% Recovery	EPA 8260B	10/02/14 09:46
TPH as Diesel (w/ Silica Gel)	< 50	50	ug/L	M EPA 8015	10/03/14 13:49
TPH as Motor Oil (w/ Silica Gel)	< 100	100	ug/L	M EPA 8015	10/03/14 13:49
Octacosane (Silica Gel Surr)	112		% Recovery	M EPA 8015	10/03/14 13:49

Project Name : **FORMER VAL STROUGH CHEVROLET**

Project Number : **TM STROUGH**

Sample : **MW9A**

Matrix : Water

Lab Number : 89290-10

Sample Date :09/30/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	370	15	ug/L	EPA 8260B	10/02/14 12:30
Toluene	1600	15	ug/L	EPA 8260B	10/02/14 12:30
Ethylbenzene	1600	15	ug/L	EPA 8260B	10/02/14 12:30
Total Xylenes	6800	15	ug/L	EPA 8260B	10/02/14 12:30
Methyl-t-butyl ether (MTBE)	27	15	ug/L	EPA 8260B	10/02/14 12:30
TPH as Gasoline	51000	1500	ug/L	EPA 8260B	10/02/14 12:30
1,2-Dichloroethane-d4 (Surr)	99.1		% Recovery	EPA 8260B	10/02/14 12:30
Toluene - d8 (Surr)	92.1		% Recovery	EPA 8260B	10/02/14 12:30
TPH as Diesel (w/ Silica Gel)	800	50	ug/L	M EPA 8015	10/02/14 14:31
(Note: Lower boiling hydrocarbons present, atypical for Diesel Fuel.)					
TPH as Motor Oil (w/ Silica Gel)	< 100	100	ug/L	M EPA 8015	10/02/14 14:31
Octacosane (Silica Gel Surr)	103		% Recovery	M EPA 8015	10/02/14 14:31

Project Name : **FORMER VAL STROUGH CHEVROLET**

Project Number : **TM STROUGH**

Sample : **MW8**

Matrix : Water

Lab Number : 89290-11

Sample Date :09/30/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 09:47
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 09:47
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 09:47
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 09:47
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/02/14 09:47
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/02/14 09:47
1,2-Dichloroethane-d4 (Surr)	107		% Recovery	EPA 8260B	10/02/14 09:47
Toluene - d8 (Surr)	97.6		% Recovery	EPA 8260B	10/02/14 09:47
TPH as Diesel (w/ Silica Gel)	< 50	50	ug/L	M EPA 8015	10/02/14 14:02
TPH as Motor Oil (w/ Silica Gel)	< 100	100	ug/L	M EPA 8015	10/02/14 14:02
Octacosane (Silica Gel Surr)	102		% Recovery	M EPA 8015	10/02/14 14:02

QC Report : Method Blank DataProject Name : **FORMER VAL STROUGH CHEVROLET**Project Number : **TM STROUGH**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel (w/ Silica Gel)	< 50	50	ug/L	M EPA 8015	10/02/2014
TPH as Motor Oil (w/ Silica Gel)	< 100	100	ug/L	M EPA 8015	10/02/2014
Octacosane (Silica Gel Surr)	110		%	M EPA 8015	10/02/2014
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/01/2014
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/01/2014
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/01/2014
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/01/2014
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/01/2014
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/01/2014
1,2-Dichloroethane-d4 (Surr)	103		%	EPA 8260B	10/01/2014
Toluene - d8 (Surr)	98.8		%	EPA 8260B	10/01/2014
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/02/2014
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/02/2014
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/02/2014
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/02/2014
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/02/2014
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/02/2014
1,2-Dichloroethane-d4 (Surr)	102		%	EPA 8260B	10/02/2014
Toluene - d8 (Surr)	98.3		%	EPA 8260B	10/02/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/03/2014
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/03/2014
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/03/2014
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/03/2014
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/03/2014
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/03/2014
1,2-Dichloroethane-d4 (Surr)	104		%	EPA 8260B	10/03/2014
Toluene - d8 (Surr)	99.7		%	EPA 8260B	10/03/2014
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/02/2014
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/02/2014
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/02/2014
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/02/2014
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/02/2014
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/02/2014
1,2-Dichloroethane-d4 (Surr)	101		%	EPA 8260B	10/02/2014
Toluene - d8 (Surr)	94.6		%	EPA 8260B	10/02/2014
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/02/2014
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/02/2014
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/02/2014
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/02/2014
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/02/2014
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/02/2014
1,2-Dichloroethane-d4 (Surr)	102		%	EPA 8260B	10/02/2014
Toluene - d8 (Surr)	91.8		%	EPA 8260B	10/02/2014

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **FORMER VAL STROUGH CHEVROLET**Project Number : **TM STROUGH**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH-D (Si Gel)	89290-07	<50	1000	1000	971	976	ug/L	M EPA 8015	10/2/14	97.1	97.6	0.507	70-130	25
Benzene	89290-04	<0.50	40.0	40.0	38.3	38.0	ug/L	EPA 8260B	10/1/14	95.8	95.0	0.750	70.0-130	25
Ethylbenzene	89290-04	<0.50	40.0	40.0	40.6	40.3	ug/L	EPA 8260B	10/1/14	102	101	0.790	70.0-130	25
Methyl-t-butyl ether	89290-04	190	40.0	40.0	246	232	ug/L	EPA 8260B	10/1/14	137	102	29.6	70.0-130	25
P + M Xylene	89290-04	<0.50	40.0	40.0	39.0	38.9	ug/L	EPA 8260B	10/1/14	97.6	97.2	0.455	70.0-130	25
Toluene	89290-04	<0.50	40.0	40.0	38.8	38.5	ug/L	EPA 8260B	10/1/14	96.9	96.3	0.617	70.0-130	25
Benzene	89290-11	<0.50	40.0	40.0	37.6	37.6	ug/L	EPA 8260B	10/2/14	93.9	93.9	0.00721	70.0-130	25
Ethylbenzene	89290-11	<0.50	40.0	40.0	40.4	39.7	ug/L	EPA 8260B	10/2/14	101	99.4	1.72	70.0-130	25
Methyl-t-butyl ether	89290-11	<0.50	40.0	40.0	42.1	42.2	ug/L	EPA 8260B	10/2/14	105	105	0.0512	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike DuplicateProject Name : **FORMER VAL STROUGH CHEVROLET**Project Number : **TM STROUGH**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
P + M Xylene	89290-11	<0.50	40.0	40.0	37.8	38.3	ug/L	EPA 8260B	10/2/14	94.6	95.7	1.19	70.0-130	25
Toluene	89290-11	<0.50	40.0	40.0	37.8	38.1	ug/L	EPA 8260B	10/2/14	94.6	95.4	0.820	70.0-130	25
Benzene	89302-02	<0.50	40.0	40.0	34.7	35.6	ug/L	EPA 8260B	10/3/14	86.8	88.9	2.30	70.0-130	25
Ethylbenzene	89302-02	<0.50	40.0	40.0	37.4	38.0	ug/L	EPA 8260B	10/3/14	93.5	94.9	1.52	70.0-130	25
Methyl-t-butyl ether	89302-02	2.6	40.0	40.0	40.3	42.1	ug/L	EPA 8260B	10/3/14	94.2	98.7	4.73	70.0-130	25
P + M Xylene	89302-02	<0.50	40.0	40.0	35.4	36.5	ug/L	EPA 8260B	10/3/14	88.5	91.2	3.08	70.0-130	25
Toluene	89302-02	<0.50	40.0	40.0	35.7	36.5	ug/L	EPA 8260B	10/3/14	89.3	91.3	2.17	70.0-130	25
Benzene	89290-09	24	40.0	40.0	56.6	59.8	ug/L	EPA 8260B	10/2/14	82.6	90.7	9.28	70.0-130	25
Ethylbenzene	89290-09	12	40.0	40.0	50.0	51.2	ug/L	EPA 8260B	10/2/14	95.0	97.8	2.96	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **FORMER VAL STROUGH CHEVROLET**Project Number : **TM STROUGH**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Methyl-t-butyl ether	89290-09	46	40.0	40.0	77.9	76.3	ug/L	EPA 8260B	10/2/14	78.2	74.3	5.05	70.0-130	25
P + M Xylene	89290-09	3.9	40.0	40.0	43.7	44.1	ug/L	EPA 8260B	10/2/14	99.6	100	1.02	70.0-130	25
Toluene	89290-09	4.8	40.0	40.0	39.8	39.5	ug/L	EPA 8260B	10/2/14	87.6	86.9	0.775	70.0-130	25
Benzene	89290-03	<0.50	40.0	40.0	38.8	39.0	ug/L	EPA 8260B	10/2/14	97.0	97.4	0.443	70.0-130	25
Ethylbenzene	89290-03	<0.50	40.0	40.0	42.5	42.6	ug/L	EPA 8260B	10/2/14	106	106	0.173	70.0-130	25
Methyl-t-butyl ether	89290-03	<0.50	40.0	40.0	41.1	45.4	ug/L	EPA 8260B	10/2/14	103	114	9.87	70.0-130	25
P + M Xylene	89290-03	<0.50	40.0	40.0	42.0	41.9	ug/L	EPA 8260B	10/2/14	105	105	0.140	70.0-130	25
Toluene	89290-03	<0.50	40.0	40.0	38.1	38.2	ug/L	EPA 8260B	10/2/14	95.2	95.5	0.228	70.0-130	25

QC Report : Laboratory Control Sample (LCS)Project Name : **FORMER VAL STROUGH CHEVROLET**Project Number : **TM STROUGH**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
TPH-D (Si Gel)	1000	ug/L	M EPA 8015	10/2/14	91.6	70-130
Benzene	40.2	ug/L	EPA 8260B	10/1/14	96.5	70.0-130
Ethylbenzene	40.2	ug/L	EPA 8260B	10/1/14	103	70.0-130
Methyl-t-butyl ether	40.2	ug/L	EPA 8260B	10/1/14	106	70.0-130
P + M Xylene	40.2	ug/L	EPA 8260B	10/1/14	98.2	70.0-130
TPH as Gasoline	494	ug/L	EPA 8260B	10/1/14	96.8	70.0-130
Toluene	40.2	ug/L	EPA 8260B	10/1/14	97.3	70.0-130
Benzene	40.1	ug/L	EPA 8260B	10/2/14	91.1	70.0-130
Ethylbenzene	40.1	ug/L	EPA 8260B	10/2/14	97.1	70.0-130
Methyl-t-butyl ether	40.1	ug/L	EPA 8260B	10/2/14	105	70.0-130
P + M Xylene	40.1	ug/L	EPA 8260B	10/2/14	92.4	70.0-130
TPH as Gasoline	493	ug/L	EPA 8260B	10/2/14	93.2	70.0-130
Toluene	40.1	ug/L	EPA 8260B	10/2/14	91.5	70.0-130
Benzene	39.8	ug/L	EPA 8260B	10/3/14	89.0	70.0-130
Ethylbenzene	39.8	ug/L	EPA 8260B	10/3/14	97.2	70.0-130
Methyl-t-butyl ether	39.8	ug/L	EPA 8260B	10/3/14	97.4	70.0-130
P + M Xylene	39.8	ug/L	EPA 8260B	10/3/14	94.3	70.0-130
TPH as Gasoline	492	ug/L	EPA 8260B	10/3/14	94.0	70.0-130
Toluene	39.8	ug/L	EPA 8260B	10/3/14	91.5	70.0-130

QC Report : Laboratory Control Sample (LCS)Project Name : **FORMER VAL STROUGH CHEVROLET**Project Number : **TM STROUGH**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.2	ug/L	EPA 8260B	10/2/14	91.9	70.0-130
Ethylbenzene	40.2	ug/L	EPA 8260B	10/2/14	99.0	70.0-130
Methyl-t-butyl ether	40.2	ug/L	EPA 8260B	10/2/14	102	70.0-130
P + M Xylene	40.2	ug/L	EPA 8260B	10/2/14	98.8	70.0-130
TPH as Gasoline	491	ug/L	EPA 8260B	10/2/14	97.4	70.0-130
Toluene	40.2	ug/L	EPA 8260B	10/2/14	89.3	70.0-130
Benzene	39.7	ug/L	EPA 8260B	10/2/14	90.2	70.0-130
Ethylbenzene	39.7	ug/L	EPA 8260B	10/2/14	98.7	70.0-130
Methyl-t-butyl ether	39.7	ug/L	EPA 8260B	10/2/14	90.9	70.0-130
P + M Xylene	39.7	ug/L	EPA 8260B	10/2/14	98.1	70.0-130
TPH as Gasoline	491	ug/L	EPA 8260B	10/2/14	95.0	70.0-130
Toluene	39.7	ug/L	EPA 8260B	10/2/14	86.8	70.0-130



2795 2nd Street, Suite 300
 Davis, CA 95618
 Lab: 530.297.4800
 Fax: 530.297.4802

SRG # / Lab No.

89290

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Project Contact (Hardcopy or PDF To): California EDF Report? Yes No

MERHDAD JAVAHERIAN
 Company / Address: **LRM CONSULTING**
1534 PLAZA LANE, 94010
 Phone Number: **415.706.8935**
 Fax Number:
 Project #: **TM STROUGH** P.O. #:
 Project Name: **FORMER VAL STROUGH CHEVROLET**
 Bill to: **LRM CONSULTING**
 Sampler Print Name: **SCOTT POLSTON**
 Sampler Signature: *[Signature]*

Chain-of-Custody Record and Analysis Request

Global ID: **T0600101644**
 EDF Deliverable To (Email Address):
 Project Address:
327 34TH STREET
OAKLAND, CA 94609
 Sampling Container Preservative Matrix

Sample Designation	Date	Time	Container				Preservative			Matrix			Analysis Request												TAT										
			40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO ₃	None	Water	Soil	Air	MTBE @ 0.5 ppb (EPA 8260B)	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (MTBE, DIPE, ETBE, TAME, TBA) (EPA 8260B)	7 Oxygenates (5 oxy + EtOH, MeOH) (EPA 8260B)	Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)		CAM 17 Metals (EPA 200.7 / 6010)	5 Waste Oil Metals (Cd,Cr,Ni,Pb,Zn) (EPA 200.7 / 6010)	Mercury (EPA 245.1 / 7470 / 7471)	Total Lead (EPA 200.7 / 6010)	W.E.T. Lead (STLC)	SILICA GEL CLEAN UP	Centrifuge prior to analysis			
MW7	9/30/2014	1000	X						X				X	X	X									X	X							X			01
MW6	9/30/2014	1024	X						X				X	X	X									X	X							X		02	
MW5	9/30/2014	1113	X						X				X	X	X									X	X						X		03		
MW4	9/30/2014	1146	X						X				X	X	X									X	X						X		04		
MW1	9/30/2014	1214	X						X				X	X	X									X	X						X		05		
O1	9/30/2014	1305	X						X				X	X	X									X	X					X		06			
MW9B	9/30/2014	1355	X						X				X	X	X									X	X					X		07			
MW2	9/30/2014	1238	X						X				X	X	X									X	X					X		08			
MW3	9/30/2014	1417	X						X				X	X	X									X	X					X		09			
MW9A	9/30/2014	1325	X						X				X	X	X									X	X					X		10			

Relinquished by:	Date	Time	Received by:	Remarks:
<i>[Signature]</i>	9/30/14			

Relinquished by: *[Signature]* Date: 09/30/14 Time: 1540 Received by Laboratory: *[Signature]*

For Lab Use Only: Sample Receipt						
Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present	
					Yes / No	



2795 2nd Street, Suite 300
 Davis, CA 95618
 Lab: 530.297.4800
 Fax: 530.297.4802

SRG # / Lab No.

89290

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Project Contact (Hardcopy or PDF To): **MERHAD**
 California EDF Report? Yes No
 Company / Address: **LRM 1534 PLAZA LN 94010**
 Sampling Company Log Code:
 Phone Number: **415 706 8935**
 Global ID: **70600101644**
 Fax Number:
 EDF Deliverable To (Email Address):
 Project #: **In Strough** P.O. #:
 Bill to: **LRM Consulting**
 Project Name: **Former Voe Strough Chem**
 Sampler Signature: *[Signature]*

Chain-of-Custody Record and Analysis Request

Project Address:	Sampling		Container				Preservative			Matrix			
	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO ₃	None	Water	Soil	Air
MW 8	9/30/14	1440	X					X			X		

Analysis Request												TAT	
circle method												For Lab Use Only	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24 hr
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	48hr
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	72hr
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 wk

X Site gel cleaning

Relinquished by: *[Signature]* Date: **9/30/14** Time: **1540** Received by: *[Signature]*
 Relinquished by: *[Signature]* Date: **093014** Time: **1540** Received by: *[Signature]*

Remarks:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

SAMPLE RECEIPT CHECKLIST

SRG #: 89290

Sample Receipt	Initials/Date: TJB 09/30/14	Storage Time: 2100	Sample Login	Initials/Date: MAS 10/01/14
TAT: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush <input type="checkbox"/> Split <input type="checkbox"/> None			Method of Receipt: <input checked="" type="checkbox"/> Courier <input type="checkbox"/> Over-the-counter <input type="checkbox"/> Shipped	
Temp °C 5.8	<input type="checkbox"/> N/A	Therm IDIR-1	Time 2056	Coolant present <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Water <input type="checkbox"/> Temp Excursion
For Shipments Only: Cooler Receipt Initials/Date/Time:			Custody Seals <input type="checkbox"/> N/A <input type="checkbox"/> Intact <input type="checkbox"/> Broken	

Chain-of-Custody:	Yes	No
Is COC present?	X	
Is COC signed by relinquisher?	X	
Is COC dated by relinquisher?	X	
Is the sampler's name on the COC?	X	
Are there analyses or hold for all samples?	X	

Documented on	COC	Labels	Discrepancies:
Sample ID	X	X	
Project ID	X	X	
Sample Date	X	X	9/29/14 on -11 labels
Sample Time	X	X	
Does COC match project history?			<input type="checkbox"/> N/A <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Samples:	N/A	Yes	No
Are sample custody seals intact?	X		
Are sample containers intact?		X	
Is preservation documented?		X	
In-house Analysis:	N/A	Yes	No
Are preservatives acceptable?		X	
Are samples within holding time?		X	
Are sample container types correct?		X	
Is there adequate sample volume?			X

Receipt Details:		
Matrix	Container Type	# of Containers
WA	VOA	55

Comments:

CS Required: <input checked="" type="checkbox"/>
Proceed With Analysis: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Init/Date: TWT 10/02/14
Client Communication: