



AEI Consultants

Environmental & Engineering Services

February 24, 2012

QUARTERLY SITE MONITORING REPORT (FIRST QUARTER, 2012)

Property Identification:

Vic's Auto
245 8th Street
Oakland, CA 94607

AEI Project No. 116907
ACEH RO#0000202
RWQCB #01-1244

Prepared for:

Mr. Vic Lum
Vic's Automotive
245 8th Street
Oakland, CA 94607

Prepared by:

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597
(925) 746-6000

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February 24, 2012

Mr. Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

**Subject: Perjury Statement and Report Transmittal
Quarterly Site Monitoring Report (First Quarter, 2012)**

245 8th Street
Oakland, California 94607
AEI Project No. 116907
ACEH RO#0000202

Dear Mr. Wickham:

I declare under penalty of perjury, that the information and/or recommendations contained in the attached report for the above-referenced site are true and correct to the best of my knowledge.

If you have any questions or need additional information, please do not hesitate to call me at (510) 832-9014, or Mr. Peter McIntyre at AEI Consultants, (925) 746-6004.

Sincerely,



Victor Lum
Owner
Vic's Automotive

SL/vl

Attachment

cc: Mr. Peter McIntyre, AEI Consultants, 2500 Camino Diablo, Walnut Creek, CA 94597

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February 24, 2012

Mr. Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: **Quarterly Site Monitoring Report (First Quarter, 2012)**
245 8th Street
Oakland, California 94607
AEI Project No. 116907

Dear Mr. Wickham:

1.0 INTRODUCTION

AEI Consultants (AEI) has prepared this report on behalf of Mr. Victor Lum, owner and operator of Vic's Auto automotive repair and former fuel service station located at 245 8th Street in the City of Oakland, Alameda County, California (Figure 1). AEI has been retained by Mr. Lum to provide environmental engineering and consulting services related to the release of gasoline fuel hydrocarbons from the former underground storage tank (UST) and dispensing system on the property. The ongoing investigation and remediation of the release is being performed under the direction of the Alameda County Environmental Health (ACEH) local oversight program. This report has been prepared to document the field activities and results of groundwater monitoring for the first quarter, 2012 performed on February 3, 2012.

2.0 SITE DESCRIPTION AND HISTORY

The subject property (hereafter referred to as the "site" or "property") is located in a mixed commercial and residential area of Oakland. The site is a lot on the south corner of Alice Street and 8th Street, and is currently developed with a gasoline service station and automotive repair facility (Figure 2). The property covers approximately 9,375 square feet and is improved with an approximately 1,200 square foot building located centrally on the property with two bays used for automotive repair, two restrooms, and a cashier's office. The current UST hold and the dispenser island are located to the north of the building, along 8th Street. The former UST hold was located to the south of the building, along Alice Street. The remainder of the property is paved with asphalt and used for parking and staging vehicles for repairs.

- Between June 1993 and August 1994, AEI removed seven underground storage tanks (USTs) from the property. The tanks consisted of four 1,000-gallon gasoline tanks located in the sidewalk along Alice Street, two 6,000-gallon gasoline tanks and one 250-gallon waste oil tank. Impacted soil was removed from beneath the former tank area. Groundwater was encountered beneath the former 6,000-gallon tanks. Light non-aqueous phase liquid (LNAPL) was observed on the water table beneath the southern tank. The

excavated soil was transported to an appropriate disposal facility and the excavation was backfilled with clean fill material. A new tank system was installed just west of the dispenser island.

- In July 1995, two groundwater monitoring wells (MW-1 and MW-2) were installed onsite. Total petroleum hydrocarbons as gasoline (TPH-g) and benzene were detected in MW-2 at concentrations up to 210,000 µg/L and 720 µg/L, respectively during the first two monitoring episodes. Light non-aqueous phase liquid (LNAPL) or free phase gasoline was discovered in MW-1. The apparent LNAPL thickness in MW-1 ranged from 1.20 to 4.39 feet between December 1995 and March 1996.
- In August 1996, AEI advanced three soil borings (SB-1 through SB-3) onsite. TPH-g and benzene were detected in the groundwater samples from these borings at concentrations ranging from 120,000 to 140,000 µg/L, and from 12,000 to 19,000 µg/L, respectively. Methyl tertiary-butyl ether (MTBE) was also detected in all three samples at concentrations up to 27,000 µg/L. Although free phase product was not observed in the field, qualitative laboratory observations indicated an immiscible sheen was present in the samples.
- Manual bailing and pumping of LNAPL from MW-1 occurred intermittently from 1997 to 1998.
- In May 2001, two additional groundwater monitoring wells (MW-3 and MW-4) were installed onsite. In June of 2001, a free product recovery system was installed in MW-1. The free product recovery system removed several hundred gallons of LNAPL between 2001 and 2003.
- In April 2003, AEI advanced 12 additional soil borings (SB-4 to SB-15) onsite and offsite for the collection of soil, shallow groundwater, and soil vapor samples to further characterize the magnitude and lateral extent of the release.
- In January 2005, AEI installed six additional monitoring/extraction wells (MW-5, MW-6 and MW-7 were installed onsite and wells MW-10 to MW-12 were installed offsite at the 708 Alice Street property). Wells MW-8 and MW-9 were proposed for installation in the parking lane along 7th and Alice Streets; however, due to difficult insurance wording requirements imposed by the City of Oakland, these wells were not installed until March of 2008.
- From July 11 to July 27, 2005, a 16-day HVDPE pilot test was performed on wells MW-1, MW-2, MW-5, MW-6, and MW-7. Combined vapor influent flow rates ranged from approximately 170 to 190 standard cubic feet per minute (scfm) under a sustained vacuum of 16 to 17 inches of mercury (in-Hg). The average water flow rate was approximately 4.1 gallons per minute (gpm). A total of 80,740 gallons of groundwater was recovered, treated, and discharged to the sanitary sewer under a short-term, limited-volume groundwater discharge permit from the East Bay Municipal Utilities District (EBMUD). Significant drawdown and vacuum influence was observed at the vadose and saturated zone monitoring points. Approximately 5 pounds per day (lbs/day) of dissolved phase and 697 lbs/day of vapor phase hydrocarbons were recovered during the test. A total of 10,719 pounds or 1,716 gallons of gasoline was removed during this test. As a result, AEI

recommended interim corrective action using HVDPE for 12 to 18 months using fixed equipment. Please refer to AEI's "HVDPE Event Report", dated December 14, 2005, for more information.

- In March 2006, the ACEH concurred with the implementation of HVDPE using fixed equipment and requested a system design, operations and maintenance, and monitoring plan. In this letter, the ACEH also requested soil vapor sampling to evaluate the potential for vapor intrusion due to the elevated concentrations of fuel hydrocarbons detected in the soil and groundwater onsite and offsite.
- In May 2006, a HVDPE system design, operations and maintenance, and monitoring plan and a separate soil gas investigation work plan were submitted to ACEH for review and comment. Please refer to AEI's "High Vacuum Dual Phase Extraction System Design, Operations, and Maintenance Plan," dated May 24, 2006 and "Soil Gas Investigation Work Plan", dated May 12, 2006, for more information.
- In November 2006, trenching and installation of the conveyance piping for HVDPE system was conducted. The system completion and delivery was scheduled for delivery during the first quarter, 2007; however, the system was not ready until in April 2007. The remaining infrastructure, such as the rotary phase converter, equipment, fence, and wellhead connections were installed in May of 2007 and the system was started up on June 26, 2007.
- On June 11, 2007, two 55-gallon drums, or approximately 100 gallons of water containing about 50% LNAPL, was removed from MW-1 and MW-6 by operating the HVDPE system in product skimming mode.
- In November 2007, additional HVDPE conveyance piping was installed above grade behind the onsite building to the rear of the property and the system was expanded to include monitoring/extraction wells MW-10, MW-11, and MW-12.
- In March 2008, wells (MW-8, MW-9 and MW-13) were installed. Elevated concentrations of TPH-g, BTEX, and MTBE were detected in samples collected from MW-9. Low to none-detectable concentrations of TPH-g, BTEX, and MTBE were detected in MW-8 and MW-13. Elevated concentrations of MTBE were detected in MW-13.
- Between August 21 and 22, 2008, soil gas probes GP-3 and GP-4 were decommissioned by physical removal and three horizontal HVDPE conveyance piping laterals were installed to MW-10 through MW-12 so that these wells could continue to be used for dual phase extraction while the 708 Alice Street property was being developed.
- In July 2009, monitoring wells (MW-14, MW-15, and MW-16) were installed. MW-14 was installed in the parking lane along Alice Street approximately 80 feet southwest of MW-8. MW-15 and MW-16 were installed in the parking lane on the southwest side of 7th Street approximately 60 feet apart. The monitoring wells were developed by surging and over-pumping on August 3, 2009. Elevated concentrations of TPH-g and BTEX were detected in samples collected from MW-14. MTBE was not detected in MW-14 at or above the laboratory reporting limit of 1.0 µg/L. Lower concentrations of TPH-g, BTEX, and MTBE

were detected in MW-15 and MW-16. Refer to AEI's "Monitoring Well Installation & Quarterly Site Monitoring Report (Third Quarter, 2009)", dated October 13, 2009, for more detailed information.

- On December 2, 2009, the property owner and AEI held a meeting with the ACEH to discuss the HVDEP remediation system status, results of the first rebound evaluation, and recommendations regarding future activities for the site.
- On March 17, 2010, AEI performed a source zone investigation by advancing four continuously cored soil borings (SB-16 to SB-19) to 30-feet bgs. Soil samples were collected from select depths and one discrete groundwater sample (SB-18W) was collected from boring SB-18 at 28 to 30 feet bgs. Based on the results of the analyses, a significant residual hydrocarbon source was identified below the water table. Relatively low concentrations of TPH-g and benzene were detected in discrete grab groundwater sample SB-18W. Further detail relating to the additional soil source investigation can be found in AEI's "Source Zone Delineation Report & Air Sparging Pilot Test Workplan", dated May 10, 2010.
- Between June 30 and July 1, 2010, AEI installed four air sparging wells (AS-1 to AS-4) to target the source of adsorbed-phase hydrocarbons identified below the water table during the March, 2010 source zone investigation.
- On November 8, 9 and 10, 2010, AEI conducted an air sparging pilot test. Refer to AEI's "Air Sparging Pilot Test Report", dated February 28, 2011, for more information. Air sparging in conjunction with HVDEP was initiated shortly thereafter to remove residual source remaining in the source area.

3.0 GEOLOGY AND HYDROLOGY

The elevation of the site is approximately 27 to 29 feet above mean sea level (amsl). The site is flat; however, the topography of the area slopes gently to the southwest. The site is located between Lake Merritt and the Oakland Inner Harbor channel, approximately one-half mile from each. The near surface sediments are mapped as Holocene and Pleistocene Merritt Sand (Qms), which are further described as "fine-grained, well-sorted, well-drained, Aeolian sand deposits" (Helley and Graymer, 1997 and Graymer, 2000). Depth to the Franciscan Formation basement underlying the unconsolidated deposits is approximately 400 feet (Norfleet Consultants, 1998).

Based on the logs of soil borings advanced on and offsite, the native soils generally consist of fine to medium grained sands with silt and clay present to at least 28 feet bgs, the deepest explored at the site. Typically, silty and clayey fine grained sand have been encountered to depths of 15 to 18 feet bgs. This is underlain by poorly graded, clean to slightly clayey and silty fine to medium sand. Both sand bodies represent a single hydro-geologic system. Sediments have been relatively uniform throughout the investigation area.

Groundwater depths have typically ranged from 14 to 19 feet bgs, corresponding to elevation of approximately 14 to 16 feet above mean sea level (msl). Annual groundwater levels fluctuate by approximately 3 to 4 feet. Groundwater has consistently flowed to the south, southeast, or

southwest with a hydraulic gradient of approximately 0.010 ft/ft. Recent water levels have been affected by the groundwater extraction activities.

4.0 SUMMARY OF MONITORING ACTIVITIES

4.1 Gauging and Sampling

On February 3, 2012, the water levels in all of the monitoring wells were gauged, except MW-10 through MW-12. Although MW-10 through MW-12 can still be used for dual-phase extraction, gauging and sampling is no longer possible because these wells were buried beneath a new residential building in August 2008. Groundwater samples were collected from all the monitoring/dual-phase extraction wells, except MW-3, MW-4, MW-8 and MW-10 through MW-12, in accordance with the existing monitoring schedule approved by ACEH in December 2009. The well locations are shown on Figure 2.

Prior to sampling, the well caps and/or drop tubes were removed and the water levels were measured from the top of the well casings with an electronic water level indicator. Wells with historic free product (MW-1, MW-6, and MW-7) were checked with an oil-water interface meter. Low-flow samples were collected using a peristaltic pump by lowering a ¼-inch polyethylene drop tube to a depth ranging from 19 to 21-feet bgs. New, clean disposable tubing was used at each well. The pump was operated at a flow rate of approximately 250 milliliters per minute. Once the field parameters stabilized, groundwater samples were collected directly from the discharge side of peristaltic pump. The following parameters were measured during purging: temperature, pH, specific conductivity, dissolved oxygen (DO), and oxygen reduction potential (ORP). A visual estimate and description of turbidity was noted for each well.

The groundwater samples were collected into 40-milliliter (mL) volatile organic analysis (VOA) vials and capped so that no head space or air bubbles were present within the sample containers. Samples were entered onto a chain of custody record and placed in a pre-chilled cooler on wet ice pending transportation to the laboratory. The samples were delivered on the day of collection under proper chain of custody protocol to McCampbell Analytical, Inc. of Pittsburg, California (DHS Certification #1644) for analysis. Ten groundwater samples were analyzed for TPH-g by EPA Method 8015C and BTEX and MTBE by EPA Method 8021B.

4.2 Soil Gas Monitoring for Vapor Intrusion Evaluation

Per concurrence from the ACEH in a letter dated October 3, 2008, quarterly soil gas sampling has been temporarily suspended during operation of the HVDPE system.

4.3 HVDPE System Operation, Maintenance and Monitoring

The HVDPE system was shutdown on December 23, 2009 due to declining influent concentrations and asymptotic hydrocarbon recovery. The remediation system remained off throughout the first quarter and most of the second and third quarters, 2010 for a rebound evaluation. The remediation system was restarted during the fourth quarter, 2010 in preparation for the air sparging pilot test. The air sparging pilot test was completed in November, 2010 and the air sparging system has been running in conjunction with HVDPE until June 20, 2011 when HVDPE system was shutdown due to declining influent concentrations.

- HVDPE system did not operate during the first quarter 2012.

The individual extraction well and the combined system influent vapor analytical and field screening data is summarized in Table 5. The mass removal rates are summarized in Table 6 and plotted on Figure 6. The quarterly mass removal data is summarized in Table 7. A summary of the air sparging system data is presented in Table 8.

5.0 RESULTS AND CONCLUSIONS

5.1 Groundwater Elevations and Hydraulic Gradient

The results of the apparent LNAPL thickness measurements, groundwater elevations, and hydraulic gradient for this monitoring episode are summarized below:

- LNAPL was not observed in any of the monitoring wells.
- The current groundwater flow direction was calculated towards the south-southwest with a hydraulic gradient of approximately 0.004 ft/ft. The groundwater flow direction and hydraulic gradient during this quarter was consistent with previous monitoring events.

The groundwater elevation data is summarized in Table 1 and groundwater elevation contours are shown on Figure 4. A summary of the average groundwater elevations and flow directions is presented in Table 2.

5.2 Groundwater Analytical Data

The analytical results for the groundwater samples collected during this monitoring event using low-flow purging and sampling are summarized below.

- As compared with the previous quarter, declining concentrations of dissolved-phase hydrocarbons were observed in most monitoring wells, except MW-5 where a slight increase was observed relative to the prior quarter.
- The highest concentration of TPH-g was detected in MW-5 at a concentration of 1,400 µg/L. The next highest concentrations of TPH-g were detected in MW-7, MW-6 and MW-1 at 710 µg/L, 600 µg/L, and 220 µg/L respectively.
- The highest concentration of benzene was detected in MW-5 at a concentration of 100 µg/L. The next highest concentrations of benzene were detected in MW-7 and MW-1 at 19 µg/L and 17 µg/L, respectively.
- Excluding wells with elevated reporting limits (MW-5 and MW-6), the MTBE was not detected above the lab reporting limit of 5.0 µg/L in all the wells monitored.

The groundwater analytical data is summarized in Table 3 and the current data is shown on Figure 5. Refer to Appendix A for the monitoring well field sampling forms. The laboratory analytical reports with chain of custody and quality assurance/quality control documentation are included in Appendix B.

6.0 SUMMARY AND PLANNED ACTIVITIES

AEI completed the first quarter, 2012 groundwater monitoring and sampling activities in accordance with the approved monitoring schedule. This report presents the finding of these monitoring activities and an update on the HVDPE system status and hydrocarbon mass removal. Based on the review of the data, AEI has the following observations:

- Since the third quarter, 2010, the concentrations of TPH-g and BTEX in down gradient monitoring well MW-9 decreased to non-detectable concentrations by the third quarter 2011 and remained so during the first quarter 2012. This is attributed to source removal and natural attenuation of the leading edge of the plume.
- LNAPL has not been detected in any of the monitoring wells since the HVDPE system was installed and started up in June 2007. Significant reductions in the concentrations of dissolved-phase hydrocarbons have been observed in the source zone monitoring wells since implementation of HVDPE and air sparging.
- The HVDPE and air sparging operations ceased in June 2011, since which time dissolved phase hydrocarbon concentrations have not significantly rebounded. This suggests that adequate source removal has occurred and eligibility for site closure should be considered by ACEH.

The following activities are planned for the second quarter 2012:

- Second quarter, 2012 groundwater monitoring and sampling activities are scheduled for May, 2012 in accordance with the standing directive and approved monitoring schedule using the low-flow sampling methodology.
- HVDPE system will remain shutdown unless otherwise directed by ACEH.
- AEI recommends that this case be reviewed for case closure eligibility. Prior to implementing the May 2012 monitoring work, AEI requests that ACEH review the findings outlined here in consideration of case closure eligibility. If the case is potentially eligible for closure, AEI would recommend ceasing groundwater monitoring. However, until directed otherwise by ACEH, the next groundwater monitoring event will remain on the schedule.

7.0 REFERENCES

California State Water Resources Control Board (SWRCB), 2010. "Draft for Public Comment – Leaking Underground Fuel Tank Guidance Manual", Version 1.0, prepared by Sullivan International Group, Inc., August 3, 2010.

Graymer, R.W., 2000. "Geologic Map and Map Database of the Oakland Metropolitan Area, Alameda, Contra Costa, and San Francisco Counties, California", U.S. Geologic Survey, Miscellaneous Field Studies MF2342, Online Version 1.0, includes 1 geologic map and 33 page pamphlet.

Holley, E.J. and Graymer, R.W., 1997. "Quaternary Geology of Alameda County, and parts of Contra Costa, Santa Clara, San Mateo, San Francisco, Stanislaus, and San Joaquin counties, California: A Digital Database", U.S. Geological Survey, Open-File Report 97-97, includes 1 geologic map, 1 map explanation sheet, and 9 page discussion booklet.

Miller, R.N., et al., 1995. "Test Plan and Technical Protocol for a Field Treatability Test for POL Free Product Recovery – Evaluating the Feasibility of Traditional and Bioslurping Technologies", prepared for the United States Air Force Center for Environmental Excellence by the Battelle, Columbus, Ohio.

Norfleet Consultants, 1998. "Groundwater Study and Water Supply History of the East Bay Plain, Alameda and Contra Costa Counties, California", prepared for the Friends of the San Francisco Estuary, P.O. Box 791, Oakland, California, and dated June 15, 1998.

Place, M.C., Coonfare, C.T., Chen, A., Hoeppel, R.E., and Rosansky, S.H., 2001. "Principles and Practices of Bioslurping", Battelle Press, Columbus, Ohio

Puls, R.W. and M.J. Barcelona, 1996, "Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedure", *Ground Water Issue*. OSWER 540/S-95/504, Washington D.C.

United States Army Core of Engineers, 1999. "Multi-Phase Extraction Engineer Manual", EM 1110-1-4010, Washington, DC.

Zemo, D., 2006. "Sampling in the Smear Zone: Evaluation of Nondissolved Bias and Associated BTEX, MTBE, and TPH Concentrations in Ground Water Samples", *Ground Water Monitoring & Remediation* 26, No. 3: 124-133.

Zemo, D., 2009. "Suggested Methods to Mitigate Bias From Non-Dissolved Petroleum in Ground Water Samples Collected From the Smear Zone", *Ground Water Monitoring & Remediation* 29, No. 3: 77-83.

8.0 REPORT LIMITATIONS AND SIGNATURES

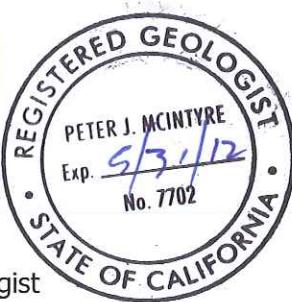
This report presents a summary of work completed by AEI, including observations and descriptions of site conditions. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide requested information, but it cannot be assumed that they are entirely representative of all areas not sampled. All conclusions and recommendations are based on these analyses and observations. Conclusions beyond those stated and reported herein should not be inferred from this document.

These services were performed in accordance with generally accepted practices in the environmental engineering and construction field that existed at the time and location of the work and were performed under the direction of appropriate California-licensed professionals. Should you have any questions regarding this report, we can be reached at (925) 746-6000.

Sincerely,
AEI Consultants

Stephen Lao, REA
Project Manager

Peter McIntyre, PG, REA
Sr. Vice President, Principal Geologist



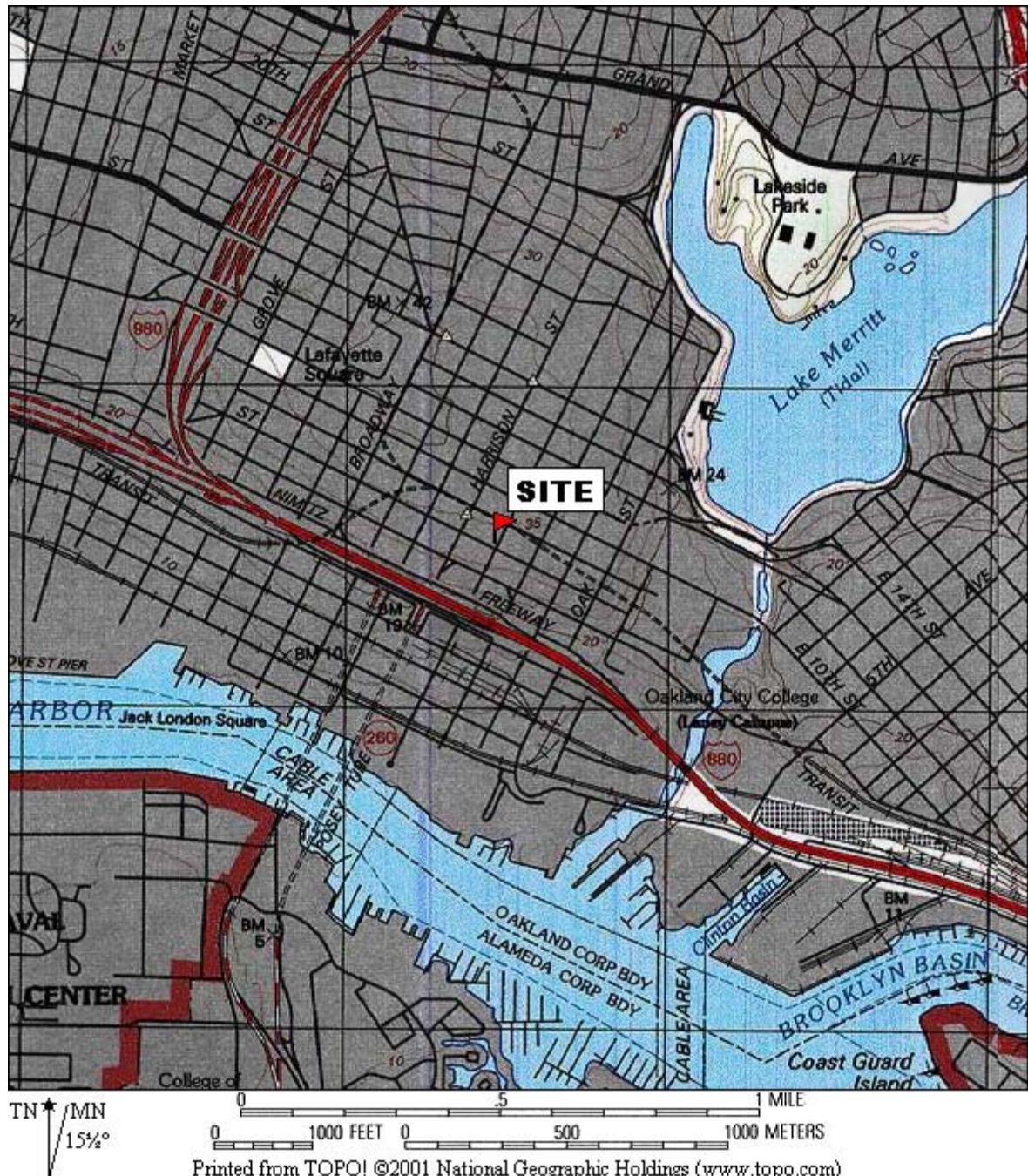
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Oakland, California 94607

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Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

GeoTracker (electronic)

FIGURES



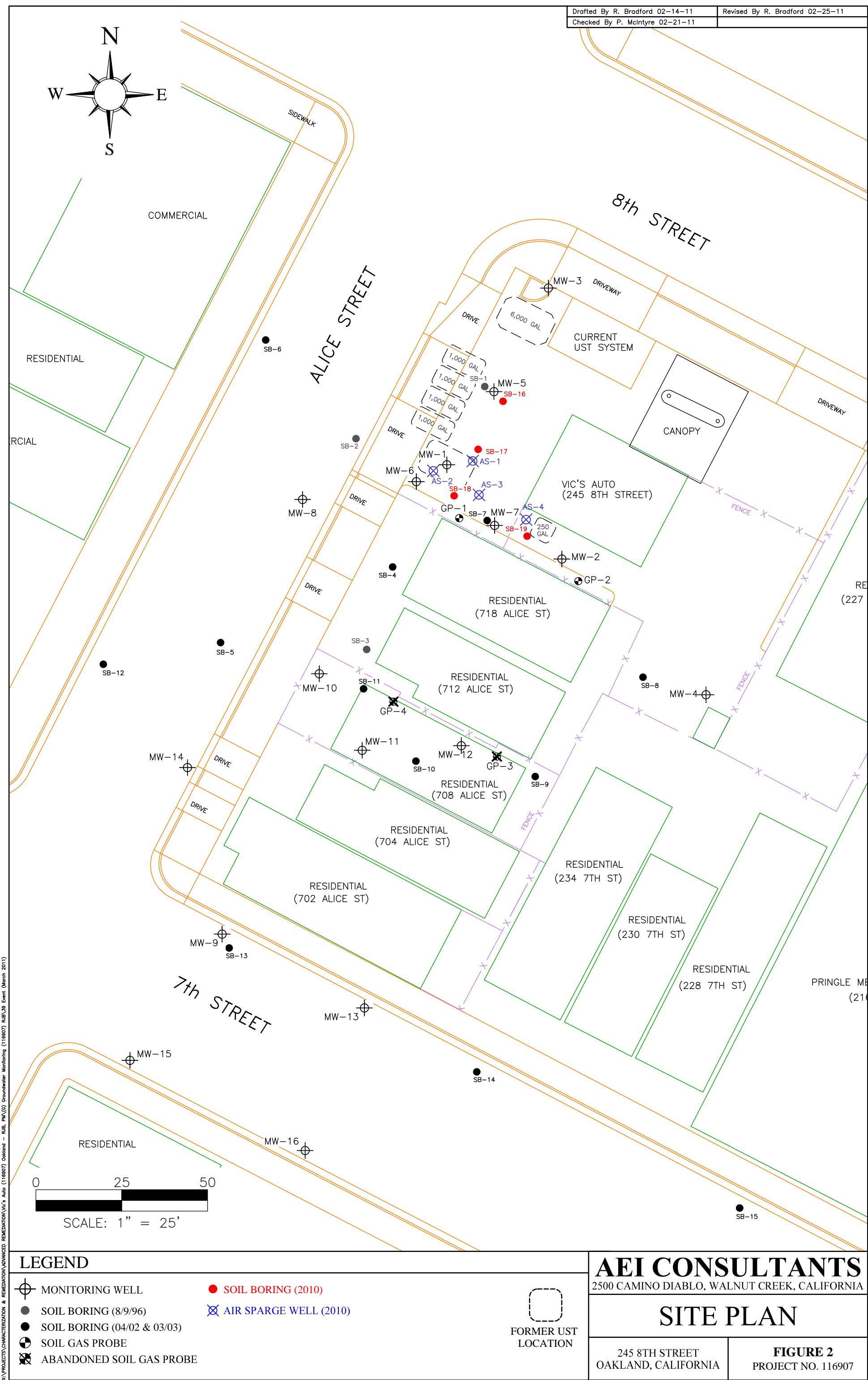
AEI CONSULTANTS

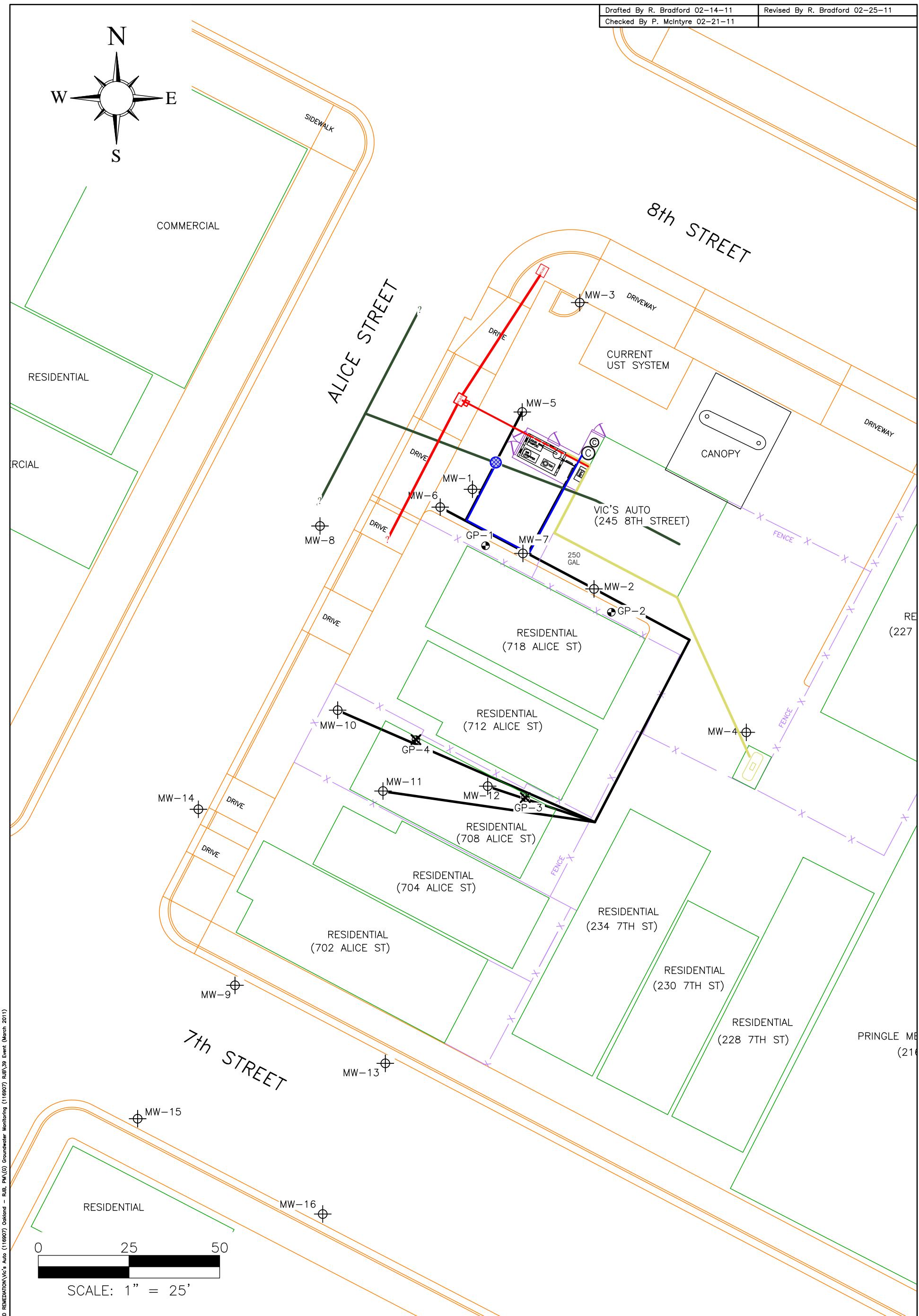
2500 CAMINO DIABLO BLVD, SUITE 200, WALNUT CREEK, CA

SITE LOCATION MAP

245 8th STREET
OAKLAND, CALIFORNIA

FIGURE 1
PROJECT NO. 116907





LEGEND

- MONITORING WELL
- SOIL GAS PROBE
- ABANDONED SOIL GAS PROBE
- OAKLAND MONITORING STRUCTURE

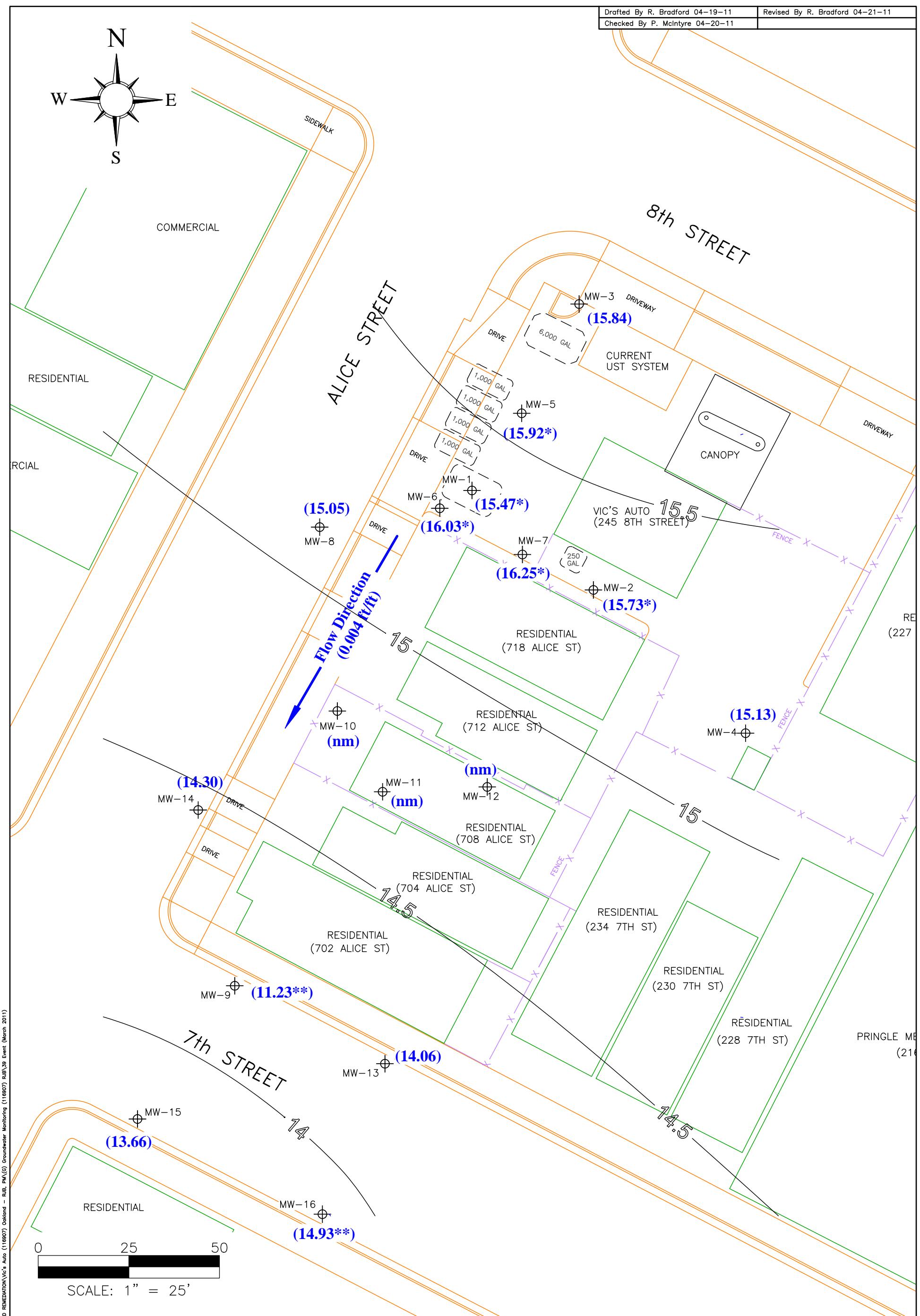
- HVDPE CONVEYANCE PIPING (~18 - 24" BGS)
- WATER DISCHARGE (~24" BGS)
- SANITARY SEWER (~36 - 48" BGS)
- TEMPORARY POWER SERVICE (~24" BGS)
- PROPANE LINE (~18 - 24" BGS)

AEI CONSULTANTS
2500 CAMINO DIABLO, WALNUT CREEK, CALIFORNIA

HVDPE SYSTEM LAYOUT PLAN

245 8TH STREET
OAKLAND, CALIFORNIA

FIGURE 3
PROJECT NO. 116907



AEI CONSULTANTS
2500 CAMINO DIABLO, WALNUT CREEK, CALIFORNIA



GROUNDWATER ELEVATION
CONTOURS (02/03/12)

245 8TH STREET
OAKLAND, CALIFORNIA

FIGURE 4
PROJECT NO. 116907

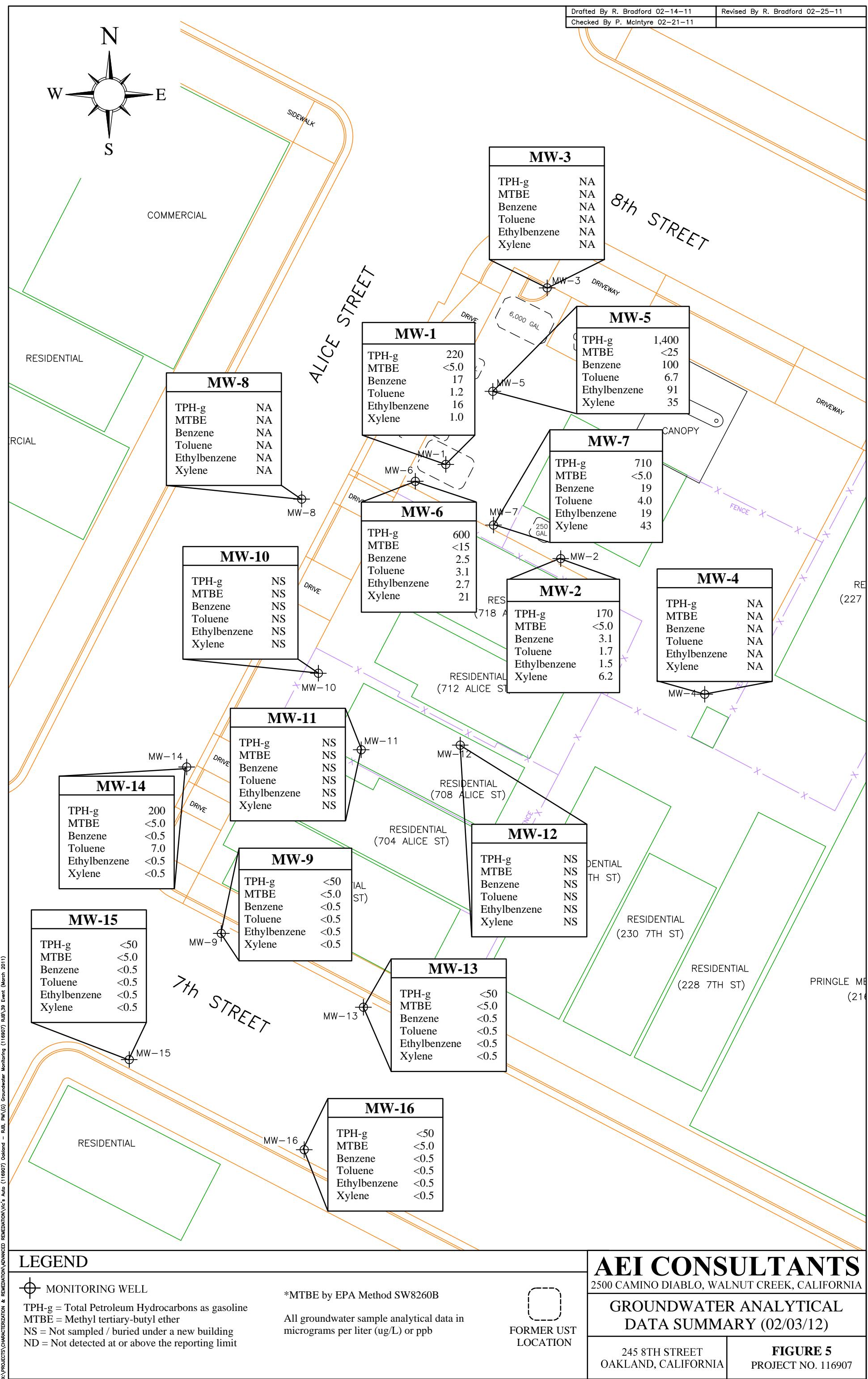
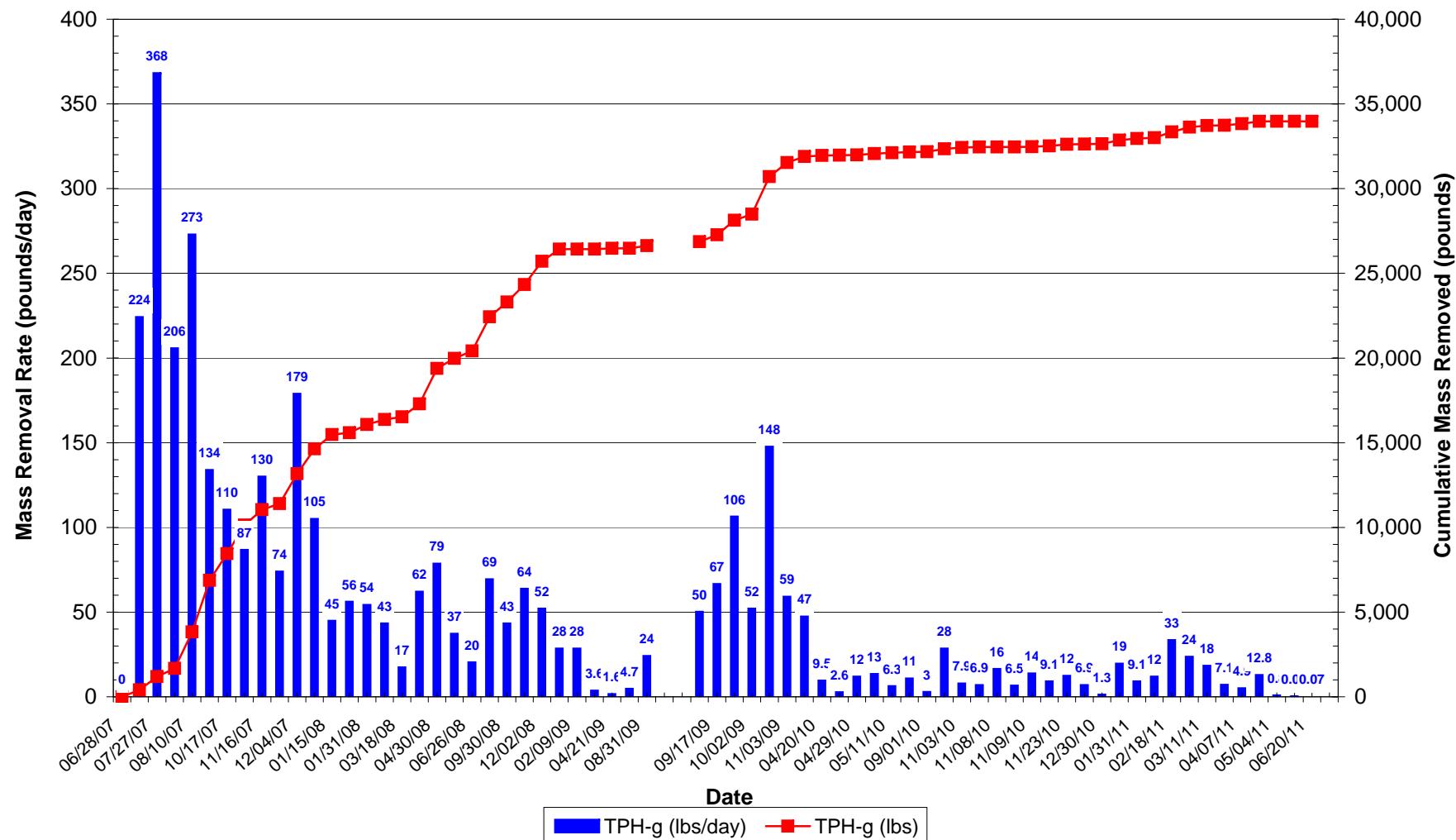


FIGURE 6: HYDROCARBON MASS REMOVAL RATES OVER TIME

Vic's Auto, 245 8th Street, Oakland, California



TABLES

TABLE 1: GROUNDWATER ELEVATION DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Well^{1,2,5} Elevation (ft amsl)	Depth to³ Water (ft)	Groundwater⁴ Elevation (ft amsl)	Depth to LNAPL (ft)	Apparent LNAPL Thickness (ft)
MW-1* (8-28)	06/29/01	27.73	16.52	11.21	14.89	1.63
	10/10/01	27.73	15.45	12.28	15.37	0.08
	01/09/02	27.73	12.61	15.12	-	<0.01
	04/24/02	27.73	13.35	14.38	-	<0.01
	07/24/02	27.73	14.19	13.54	-	<0.01
	11/05/02	27.73	14.85	12.88	-	<0.01
	02/04/03	27.73	14.91	12.82	-	<0.01
	05/02/03	27.73	14.43	13.30	-	0.08
	08/04/03	27.73	15.24	12.49	15.01	0.23
	11/03/03	27.73	16.94	10.79	15.67	1.27
	02/09/04	27.73	14.61	13.12	14.43	0.18
	05/10/04	27.73	Obstructed	-	-	-
	08/09/04	27.73		12.49	15.03	0.21
	11/09/04	27.73	15.95	11.78	15.71	0.24
	02/03/05	32.55	13.75	18.80	13.58	0.17
	05/09/05	32.55	13.93	18.62	13.81	0.12
	08/05/05	32.55	15.40	17.15	15.39	0.01
	11/09/05	32.55	15.76	16.79	15.75	0.01
	02/09/06	32.55	13.52	19.03	13.50	0.02
	05/04/06	32.55	12.47	20.08	12.46	0.01
	08/04/06	32.55	15.11	17.44	15.09	0.02
	11/08/06	32.55	16.03	16.52	16.02	0.01
	02/08/07	32.55	16.51	16.04	16.48	0.03
	05/29/07	32.55	15.56	16.99	15.51	0.05
	09/05/07	32.55	16.33	16.22	-	Sheen
	12/12/07	32.55	17.62	14.93	-	Sheen
	02/13/08	32.55	15.94	16.61	-	Sheen
	05/15/08	32.55	16.64	15.91	-	-
	08/05/08	32.55	16.99	15.56	-	-
	11/07/08	32.55	17.40	15.15	-	-
	02/05/09	32.55	16.89	15.66	-	-
	05/05/09	32.55	15.69	16.86	-	-
	08/21/09	32.55	17.09	15.46	-	-
	11/23/09	32.55	16.92	15.63	-	-
	02/26/10	32.55	14.77	17.78	-	-
	05/12/10	32.55	16.02	16.53	-	-
	08/19/10	32.55	16.11	16.44	-	-
	12/22/10	32.55	17.37	15.18	-	-
	03/24/11	32.55	18.19	14.36	-	-
	05/26/11	32.55	17.45	15.10	-	-
	08/22/11	32.55	16.21	16.34	-	-
	11/08/11	32.55	17.11	15.44	-	-
02/03/12	32.55	17.08		15.47	-	-

TABLE 1: GROUNDWATER ELEVATION DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Well ^{1,2,5} Elevation (ft amsl)	Depth to ³ Water (ft)	Groundwater ⁴ Elevation (ft amsl)	Depth to LNAPL (ft)	Apparent LNAPL Thickness (ft)
MW-2*	06/29/01	28.16	16.14	12.02	-	-
(8-28)	10/10/01	28.16	16.43	11.73	-	-
	01/09/02	28.16	13.50	14.66	-	-
	04/24/02	28.16	14.40	13.76	-	-
	07/24/02	28.16	14.91	13.25	-	-
	11/05/02	28.16	16.96	11.20	-	-
	02/04/03	28.16	15.42	12.74	-	-
	05/02/03	28.16	15.24	12.92	-	-
	08/04/03	28.16	15.98	12.18	-	-
	11/03/03	28.16	16.60	11.56	-	Sheen
	02/09/04	28.16	15.22	12.94	-	Sheen
	05/10/04	28.16	15.34	12.82	-	Sheen
	08/09/04	28.16	15.92	12.24	-	Sheen
	11/09/04	28.16	16.51	11.65	-	Sheen
	02/03/05	33.24	14.44	18.80	-	Sheen
	05/09/05	33.24	14.67	18.57	-	Sheen
	08/05/05	33.24	16.27	16.97	-	Sheen
	11/09/05	33.24	16.53	16.71	-	Sheen
	02/09/06	33.24	14.36	18.88	-	Sheen
	05/04/06	33.24	13.46	19.78	-	Sheen
	08/04/06	33.24	15.95	17.29	-	Sheen
	11/08/06	33.24	16.86	16.38	-	Sheen
	02/08/07	33.24	17.13	16.11	-	Sheen
	05/29/07	33.24	16.51	16.73	-	Sheen
	09/05/07	33.24	17.48	15.76	-	-
	12/12/07	33.24	18.72	14.52	-	-
	02/13/08	33.24	16.91	16.33	-	-
	05/15/08	33.24	17.67	15.57	-	-
	08/05/08	33.24	17.94	15.30	-	-
	11/07/08	33.24	18.79	14.45	-	-
	02/05/09	33.24	17.98	15.26	-	-
	05/05/09	33.24	17.52	15.72	-	-
	08/21/09	33.24	18.02	15.22	-	-
	11/23/09	33.24	17.94	15.30	-	-
	02/26/10	33.24	15.79	17.45	-	-
	05/12/10	33.24	16.69	16.55	-	-
	08/19/10	33.24	16.99	16.25	-	-
	12/22/10	33.24	17.67	15.57	-	-
	03/24/11	33.24	16.64	16.60	-	-
	05/26/11	33.24	16.78	16.46	-	-
	08/22/11	33.24	16.59	16.65	-	-
	11/08/11	33.24	15.51	17.73	-	-
02/03/12	33.24	17.51	15.73	-	-	-

TABLE 1: GROUNDWATER ELEVATION DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Well ^{1,2,5} Elevation (ft amsl)	Depth to ³ Water (ft)	Groundwater ⁴ Elevation (ft amsl)	Depth to LNAPL (ft)	Apparent LNAPL Thickness (ft)
MW-3 (10-25)	06/29/01	29.21	16.60	12.61	-	-
	10/10/01	29.21	16.92	12.29	-	-
	01/09/02	29.21	14.20	15.01	-	-
	04/24/02	29.21	15.07	14.14	-	-
	07/24/02	29.21	16.40	12.81	-	-
	11/05/02	29.21	16.47	12.74	-	-
	02/04/03	29.21	16.92	12.29	-	-
	05/02/03	29.21	15.45	13.76	-	-
	08/04/03	29.21	16.46	12.75	-	-
	11/03/03	29.21	17.15	12.06	-	-
	02/09/04	29.21	15.78	13.43	-	-
	05/10/04	29.21	15.77	13.44	-	-
	08/09/04	29.21	16.45	12.76	-	-
	11/09/04	29.21	17.26	11.95	-	-
	02/03/05	34.25	15.92	18.33	-	-
	05/09/05	34.25	15.03	19.22	-	-
	08/05/05	34.25	16.59	17.66	-	-
	11/09/05	34.25	16.82	17.43	-	-
	02/09/06	34.25	14.65	19.60	-	-
	05/04/06	34.25	13.61	20.64	-	-
	08/04/06	34.25	16.28	17.97	-	-
	11/08/06	34.25	17.28	16.97	-	-
	02/08/07	34.25	17.68	16.57	-	-
	05/29/07	34.25	17.37	16.88	-	-
	09/05/07	34.25	18.53	15.72	-	-
	12/12/07	34.25	19.61	14.64	-	-
	02/13/08	34.25	18.12	16.13	-	-
	05/15/08	34.25	18.64	15.61	-	-
	08/05/08	34.25	18.88	15.37	-	-
	11/07/08	34.25	19.60	14.65	-	-
	02/05/09	34.25	19.02	15.23	-	-
	05/05/09	34.25	17.78	16.47	-	-
	08/21/09	34.25	19.24	15.01	-	-
	11/23/09	34.25	19.04	15.21	-	-
	02/26/10	34.25	16.96	17.29	-	-
	05/12/10	34.25	18.23	16.02	-	-
	08/19/10	34.25	17.99	16.26	-	-
	12/22/10	34.25	18.93	15.32	-	-
	03/24/11	34.25	17.57	16.68	-	-
	05/26/11	34.25	17.50	16.75	-	-
	08/22/11	34.25	17.83	16.42	-	-
	11/08/11	34.25	18.37	15.88	-	-
02/03/12	34.25	18.41	15.84	-	-	-

TABLE 1: GROUNDWATER ELEVATION DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Well ^{1,2,5} Elevation (ft amsl)	Depth to ³ Water (ft)	Groundwater ⁴ Elevation (ft amsl)	Depth to LNAPL (ft)	Apparent LNAPL Thickness (ft)
MW-4 (10-25)	06/29/01	29.38	17.71	11.67	-	-
	10/10/01	29.38	18.00	11.38	-	-
	01/09/02	29.38	15.02	14.36	-	-
	04/24/02	29.38	15.74	13.64	-	-
	07/24/02	29.38	16.69	12.69	-	-
	11/05/02	29.38	17.64	11.74	-	-
	02/04/03	29.38	16.02	13.36	-	-
	05/02/03	29.38	16.72	12.66	-	-
	08/04/03	29.38	17.51	11.87	-	-
	11/03/03	29.38	18.09	11.29	-	-
	02/09/04	29.38	16.67	12.71	-	-
	05/10/04	29.38	16.89	12.49	-	-
	08/09/04	29.38	17.44	11.94	-	-
	11/09/04	29.38	17.89	11.49	-	-
	02/03/05	34.42	14.98	19.44	-	-
	05/09/05	34.42	16.20	18.22	-	-
	08/05/05	34.42	17.73	16.69	-	-
	11/09/05	34.42	17.91	16.51	-	-
	02/09/06	34.42	15.62	18.80	-	-
	05/04/06	34.42	15.12	19.30	-	-
	08/04/06	34.42	17.39	17.03	-	-
	11/08/06	34.42	18.30	16.12	-	-
	02/08/07	34.42	18.57	15.85	-	-
	05/29/07	34.42	18.29	16.13	-	-
	09/05/07	34.42	19.27	15.15	-	-
	12/12/07	34.42	20.44	13.98	-	-
	02/13/08	34.42	18.52	15.90	-	-
	05/15/08	34.42	19.42	15.00	-	-
	08/05/08	34.42	19.67	14.75	-	-
	11/07/08	34.42	20.42	14.00	-	-
	02/05/09	34.42	19.72	14.70	-	-
	05/05/09	34.42	18.51	15.91	-	-
	08/21/09	34.42	19.70	14.72	-	-
	11/23/09	34.42	19.79	14.63	-	-
	02/26/10	34.42	17.52	16.90	-	-
	05/12/10	34.42	18.72	15.70	-	-
	08/19/10	34.42	18.88	15.54	-	-
	12/22/10	34.42	19.22	15.20	-	-
	03/24/11	34.42	18.25	16.17	-	-
	05/26/11	34.42	18.30	16.12	-	-
	08/22/11	34.42	18.74	15.68	-	-
	11/08/11	34.42	19.26	15.16	-	-
02/03/12	34.42	19.29		15.13	-	-

TABLE 1: GROUNDWATER ELEVATION DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Well ^{1,2,5} Elevation (ft amsl)	Depth to ³ Water (ft)	Groundwater ⁴ Elevation (ft amsl)	Depth to LNAPL (ft)	Apparent LNAPL Thickness (ft)
MW-5*	02/03/05	33.33	14.23	19.10	-	-
(12-22)	05/09/05	33.33	14.33	19.00	-	-
	08/05/05	33.33	15.89	17.44	-	-
	11/09/05	33.33	16.18	17.15	-	-
	02/09/06	33.33	14.02	19.31	-	-
	05/04/06	33.33	12.97	20.36	-	-
	08/04/06	33.33	15.63	17.70	-	-
	11/08/06	33.33	16.55	16.78	-	-
	02/08/07	33.33	16.12	17.21	-	-
	05/29/07	33.33	15.87	17.46	-	-
	09/05/07	33.33	16.95	16.38	-	-
	12/12/07	33.33	18.13	15.20	-	-
	02/13/08	33.33	16.58	16.75	-	-
	05/15/08	33.33	17.08	16.25	-	-
	08/05/08	33.33	17.42	15.91	-	-
	11/07/08	33.33	17.99	15.34	-	-
	02/05/09	33.33	17.42	15.91	-	-
	05/05/09	33.33	16.20	17.13	-	-
	08/21/09	33.33	17.66	15.67	-	-
	11/23/09	33.33	17.39	15.94	-	-
	02/26/10	33.33	15.41	17.92	-	-
	05/12/10	33.33	16.51	16.82	-	-
	08/19/10	33.33	17.05	16.28	-	-
	12/22/10	33.33	17.79	15.54	-	-
	03/24/11	33.33	17.13	16.20	-	-
	05/26/11	33.33	16.92	16.41	-	-
	08/22/11	33.33	16.84	16.49	-	-
	11/08/11	33.33	17.37	15.96	-	-
	02/03/12	33.33	17.41	15.92	-	-

TABLE 1: GROUNDWATER ELEVATION DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Well ^{1,2,5} Elevation (ft amsl)	Depth to ³ Water (ft)	Groundwater ⁴ Elevation (ft amsl)	Depth to LNAPL (ft)	Apparent LNAPL Thickness (ft)
MW-6*	02/03/05	32.82	13.99	18.83	-	Sheen
(12-22)	05/09/05	32.82	13.61	19.21	-	Sheen
	08/05/05	32.82	15.50	17.32	15.13	0.37
	11/09/05	32.82	15.87	16.95	15.50	0.37
	02/09/06	32.82	13.93	18.89	13.22	0.71
	05/04/06	32.82	12.88	19.94	12.13	0.75
	08/04/06	32.82	15.22	17.60	14.81	0.41
	11/08/06	32.82	16.16	16.66	15.78	0.38
	02/08/07	32.82	15.48	17.34	15.14	0.34
	05/29/07	32.82	15.35	17.47	15.04	0.31
	09/05/07	32.82	15.55	17.27	-	-
	12/12/07	32.82	17.22	15.60	-	Sheen
	02/13/08	32.82	15.54	17.28	-	Sheen
	05/15/08	32.82	16.25	16.57	-	-
	08/05/08	32.82	16.48	16.34	-	-
	11/07/08	32.82	17.33	15.49	-	-
	02/05/09	32.82	16.53	16.29	-	-
	05/05/09	32.82	15.46	17.36	-	-
	08/21/09	32.82	16.70	16.12	-	-
	11/23/09	32.82	16.53	16.29	-	-
	02/26/10	32.82	14.37	18.45	-	-
	05/12/10	32.82	15.18	17.64	-	-
	08/19/10	32.82	15.13	17.69	-	-
	12/22/10	32.82	16.91	15.91	-	-
	03/24/11	32.82	17.47	15.35	-	-
	05/26/11	32.82	16.57	16.25	-	-
	08/22/11	32.82	16.32	16.50	-	-
	11/08/11	32.82	16.80	16.02	-	-
	02/03/12	32.82	16.79	16.03	-	-

TABLE 1: GROUNDWATER ELEVATION DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Well ^{1,2,5} Elevation (ft amsl)	Depth to ³ Water (ft)	Groundwater ⁴ Elevation (ft amsl)	Depth to LNAPL (ft)	Apparent LNAPL Thickness (ft)
MW-7* (12-22)	02/03/05	33.07	14.17	18.90	-	Sheen
	05/09/05	33.07	14.47	18.60	14.44	0.03
	08/05/05	33.07	16.07	17.00	16.02	0.05
	11/09/05	33.07	16.47	16.60	16.35	0.12
	02/09/06	33.07	14.18	18.89	14.11	0.07
	05/04/06	33.07	13.12	19.95	13.11	0.01
	08/04/06	33.07	15.74	17.33	-	Sheen
	11/08/06	33.07	16.59	16.48	-	Sheen
	02/08/07	33.07	16.23	16.84	-	Sheen
	05/29/07	33.07	16.13	16.94	-	Sheen
	09/05/07	33.07	16.40	16.67	-	Sheen
	12/12/07	33.07	18.02	15.05	-	Sheen
	02/13/08	33.07	16.27	16.80	-	Sheen
	05/15/08	33.07	17.01	16.06	-	-
	08/05/08	33.07	17.23	15.84	-	-
	11/07/08	33.07	18.18	14.89	-	-
	02/05/09	33.07	17.26	15.81	-	-
	05/05/09	33.07	16.13	16.94	-	-
	08/21/09	33.07	17.39	15.68	-	-
	11/23/09	33.07	17.33	15.74	-	-
	02/26/10	33.07	15.15	17.92	-	-
	05/12/10	33.07	16.43	16.64	-	-
	08/19/10	33.07	16.79	16.28	-	-
	12/22/10	33.07	17.09	15.98	-	-
	03/24/11	33.07	16.77	16.30	-	-
	05/26/11	33.07	17.03	16.04	-	-
	08/22/11	33.07	16.37	16.70	-	-
	11/08/11	33.07	16.88	16.19	-	-
	02/03/12	33.07	16.82	16.25	-	-
MW-8 (12-22)	05/15/08	31.73	16.47	15.26	-	-
	08/05/08	31.73	16.88	14.85	-	-
	11/07/08	31.73	17.28	14.45	-	-
	02/05/09	31.73	16.78	14.95	-	-
	05/05/09	31.73	16.05	15.68	-	-
	08/21/09	31.73	17.05	14.68	-	-
	11/23/09	31.73	16.72	15.01	-	-
	02/26/10	31.73	14.59	17.14	-	-
	05/12/10	31.73	15.79	15.94	-	-
	08/19/10	31.73	15.76	15.97	-	-
	12/22/10	31.73	16.37	15.36	-	-
	03/24/11	31.73	15.40	16.33	-	-
	05/26/11	31.73	15.50	16.23	-	-
	08/22/11	31.73	16.12	15.61	-	-
	11/08/11	31.73	16.66	15.07	-	-
	02/03/12	31.73	16.68	15.05	-	-

TABLE 1: GROUNDWATER ELEVATION DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Well ^{1,2,5} Elevation (ft amsl)	Depth to ³ Water (ft)	Groundwater ⁴ Elevation (ft amsl)	Depth to LNAPL (ft)	Apparent LNAPL Thickness (ft)
MW-9 (12-22)	05/15/08	29.02	15.16	13.86	-	-
	08/05/08	29.02	15.38	13.64	-	-
	11/07/08	29.02	15.84	13.18	-	-
	02/05/09	29.02	15.38	13.64	-	-
	05/05/09	29.02	14.38	14.64	-	-
	08/21/09	29.02	15.41	13.61	-	-
	11/23/09	29.02	15.36	13.66	-	-
	02/26/10	29.02	13.51	15.51	-	-
	05/12/10	29.02	14.30	14.72	-	-
	08/19/10	29.02	14.49	14.53	-	-
	12/22/10	29.02	14.61	14.41	-	-
	03/24/11	29.02	13.29	15.73	-	-
	05/26/11	29.02	13.71	15.31	-	-
	08/22/11	29.02	14.58	14.44	-	-
	11/08/11	29.02	14.77	14.25	-	-
MW-10 (12-22)	02/03/12	29.02	17.79	11.23	-	-
	02/03/05	31.17	12.65	18.52	-	-
	05/09/05	31.17	13.09	18.08	-	-
	08/05/05	31.17	14.68	16.49	-	-
	11/09/05	31.17	14.94	16.23	-	-
	02/09/06	31.17	12.82	18.35	-	-
	05/04/06	31.17	12.11	19.06	-	-
	08/04/06	31.17	14.38	16.79	-	-
	11/08/06	31.17	15.32	15.85	-	-
	02/08/07	31.17	15.59	15.58	-	-
	05/29/07	31.17	15.27	15.90	-	-
	09/05/07	31.17	16.25	14.92	-	-
	12/12/07	31.17	17.75	13.42	-	Sheen
	02/13/08	31.17	15.59	15.58	-	-
	05/15/08	31.17	16.40	14.77	-	-
	08/05/08	31.17	16.67	14.50	-	-
	11/07/08	Well now located beneath a new residential building. Impossible to gauge well.				

TABLE 1: GROUNDWATER ELEVATION DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Well^{1,2,5} Elevation (ft amsl)	Depth to³ Water (ft)	Groundwater⁴ Elevation (ft amsl)	Depth to LNAPL (ft)	Apparent LNAPL Thickness (ft)
MW-11 (12-22)	02/03/05	31.78	13.39	18.39	-	Sheen
	05/09/05	31.78	13.89	17.89	-	Sheen
	08/05/05	31.78	15.47	16.31	-	Sheen
	11/09/05	31.78	15.73	16.05	-	Sheen
	02/09/06	31.78	13.53	18.25	-	Sheen
	05/04/06	31.78	12.73	19.05	-	Sheen
	08/04/06	31.78	15.17	16.61	-	Sheen
	11/08/06	31.78	16.15	15.63	-	-
	02/08/07	31.78	16.36	15.42	-	Sheen
	05/29/07	31.78	16.06	15.72	-	Sheen
	09/05/07	31.78	17.03	14.75	-	Sheen
	12/12/07	31.78	18.68	13.10	-	-
	02/13/08	31.78	16.28	15.50	-	-
	05/15/08	31.78	17.12	14.66	-	-
	08/05/08	31.78	17.33	14.45	-	-
	11/07/08	Well now located beneath a new residential building. Impossible to gauge well.				
MW-12 (12-22)	02/03/05	32.05	13.70	18.35	-	Sheen
	05/09/05	32.05	14.17	17.88	-	Sheen
	08/05/05	32.05	15.69	16.36	-	Sheen
	11/09/05	32.05	15.93	16.12	-	Sheen
	02/09/06	32.05	13.78	18.27	-	Sheen
	05/04/06	32.05	12.98	19.07	-	Sheen
	08/04/06	32.05	15.39	16.66	-	Sheen
	11/08/06	32.05	16.29	15.76	-	-
	02/08/07	32.05	16.54	15.51	-	-
	05/29/07	32.05	16.27	15.78	-	-
	09/05/07	32.05	17.24	14.81	-	-
	12/12/07	32.05	18.65	13.40	-	-
	02/14/08	32.05	16.50	15.55	-	-
	05/15/08	32.05	17.34	14.71	-	-
	08/05/08	32.05	17.61	14.41	-	-
	11/07/08	Well now located beneath a new residential building. Impossible to gauge well.				
MW-13 (12-22)	05/15/08	28.84	14.87	13.97	-	-
	08/05/08	28.84	15.10	13.74	-	-
	11/07/08	28.84	15.61	13.23	-	-
	02/05/09	28.84	15.09	13.75	-	-
	05/05/09	28.84	14.09	14.75	-	-
	08/21/09	28.84	15.11	13.73	-	-
	11/23/09	28.84	15.11	13.73	-	-
	02/26/10	28.84	13.32	15.52	-	-
	05/12/10	28.84	14.10	14.74	-	-
	08/19/10	28.84	14.30	14.54	-	-
	12/22/10	28.84	14.25	14.59	-	-
	03/24/11	28.84	12.91	15.93	-	-
	05/26/11	28.84	13.68	15.16	-	-
	08/22/11	28.84	14.31	14.53	-	-
	11/08/11	28.84	14.76	14.08	-	-
	02/03/12	28.84	14.78	14.06	-	-

TABLE 1: GROUNDWATER ELEVATION DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Well ^{1,2,5} Elevation (ft amsl)	Depth to ³ Water (ft)	Groundwater ⁴ Elevation (ft amsl)	Depth to LNAPL (ft)	Apparent LNAPL Thickness (ft)
MW-14 (12-22)	08/21/09	29.53	15.66	13.87	-	-
	11/23/09	29.53	15.53	14.00	-	-
	02/26/10	29.53	13.65	15.88	-	-
	05/12/10	29.53	14.48	15.05	-	-
	08/19/10	29.53	14.61	14.92	-	-
	12/22/10	29.53	14.72	14.81	-	-
	03/24/11	29.53	13.47	16.06	-	-
	05/26/11	29.53	14.05	15.48	-	-
	08/22/11	29.53	14.68	14.85	-	-
	11/08/11	29.53	15.21	14.32	-	-
	02/03/12	29.53	15.23	14.30	-	-
MW-15 (12-22)	08/21/09	29.22	16.03	13.19	-	-
	11/23/09	29.22	15.95	13.27	-	-
	02/26/10	29.22	14.30	14.92	-	-
	05/12/10	29.22	14.89	14.33	-	-
	08/19/10	29.22	15.18	14.04	-	-
	12/22/10	29.22	15.02	14.20	-	-
	03/24/11	29.22	13.95	15.27	-	-
	05/26/11	29.22	14.47	14.75	-	-
	08/22/11	29.22	15.19	14.03	-	-
	11/08/11	29.22	15.55	13.67	-	-
	02/03/12	29.22	15.56	13.66	-	-
MW-16 (12-22)	08/21/09	28.87	15.61	13.26	-	-
	11/23/09	28.87	15.61	13.26	-	-
	02/26/10	28.87	13.81	15.06	-	-
	05/12/10	28.87	14.81	14.06	-	-
	08/19/10	28.87	14.88	13.99	-	-
	12/22/10	28.87	14.63	14.24	-	-
	03/24/11	28.87	13.39	15.48	-	-
	05/26/11	28.87	13.01	15.86	-	-
	08/22/11	28.87	14.84	14.03	-	-
	11/08/11	28.87	14.96	13.91	-	-
	02/03/12	28.87	14.93	13.94	-	-

NOTES:

- not applicable

nm = not measured

ft = feet

LNAPL = light non-aqueous phase liquid

ft amsl = feet above mean sea level

*Well head modified to serve as remediation well, top of casing elevation no longer considered surveyed

1) Monitoring well top of casing (TOC) elevations were resurveyed by Morrow Surveying on January 10, 2006 and February 7, 2006

2) Groundwater elevations for the February 3, 2005 and subsequent monitoring episodes use the new well survey data

3) Depth water is measured from the top of the well casing

4) When LNAPL is present at >0.10 ft, the groundwater elevations are assumed to be affected by the LNAPL

5) Monitoring well top of casing (TOC) elevations for MW-8, 9, 13, 14, 15 & 16 were surveyed by Morrow Surveying on September 30, 2009

TABLE 2: GROUNDWATER FLOW SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Episode #	Date	Average Groundwater Elevation ¹ (feet amsl)	Change from Previous Episode (feet)	Flow direction (gradient)
1	06/29/01	12.10	-	SSE (0.0074)
2	10/10/01	11.80	-0.30	SSE (0.0071)
3	01/09/02	14.68	2.88	SE (0.0054)
4	04/24/02	13.85	-0.83	SSW (0.005)
5	07/24/02	12.92	-0.93	NE (0.021)
6	11/05/02	11.89	-1.02	SW (0.019)
7	02/04/03	12.80	0.90	NNW (0.01)
8	05/02/03	13.11	0.32	SSE (0.01)
9	08/04/03	12.27	-0.85	SSE(0.007)
10	11/03/03	11.64	-0.63	SSE (0.006)
11	02/09/04	13.03	1.39	SSE (0.006)
12	05/10/04	12.92	-0.11	SSE (0.008)
13	08/09/04	12.31	-0.60	SSE (0.006)
14	11/09/04	11.70	-0.62	SSE (0.004)
15	02/03/05	18.75	-	W (0.007)
16	05/09/05	18.53	-0.22	S (0.010)
17	08/05/05	16.94	-1.59	S (0.010)
18	11/09/05	16.65	-0.28	S (0.010)
19	02/09/06	18.83	2.17	SSW (0.010)
20	05/04/06	19.72	0.90	SSW (0.012)
21	08/04/06	17.24	-2.48	SSW (0.010)
22	11/08/06	16.32	-0.93	SSW(0.0007)
23	02/08/07	16.25	-0.07	SSE (0.0009)
24	05/29/07	16.60	0.35	SSE (0.0009)
25*	09/05/07	15.77	-0.84	-
26*	12/12/07	14.38	-1.38	-
27*	02/13/08	16.24	1.86	-
28*	05/15/08	15.25	-1.00	-
29*	08/05/08	14.97	-0.27	-
30*	11/07/08	14.48	-0.49	-
31*	02/05/09	15.12	0.64	-
32*	05/05/09	16.15	1.03	-
33a	08/21/09	14.63	-1.51	SW (0.010)
34	11/23/09	14.74	0.11	SW (0.010)
35b	02/26/10	16.75	2.01	SSW (0.016)
36c	05/17/10	15.07	-1.68	SSW (0.006)
37d	08/19/10	14.97	-0.10	SSW (0.015)
38	12/22/10	15.10	0.13	SSW (0.005)
39	03/24/11	15.88	0.78	SSW (0.004)
40	05/26/11	15.84	-0.04	SSW (0.009)
41	08/22/11	15.56	-0.28	SSW (0.008)
42	11/08/11	15.21	-0.35	SSW (0.008)
43	02/03/12	14.82	-0.39	SSW (0.004)

TABLE 2: GROUNDWATER FLOW SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Episode #	Date	Average Groundwater Elevation ¹ (feet amsl)	Change from Previous Episode (feet)	Flow direction (gradient)
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NOTES:

- not applicable

ft amsl = feet above mean sea level

1) MW-2 to MW-4 only used for episodes 1 through 14; all wells used for episodes 15 and later

* Flow direction not calculated due to onsite operation of dual-phase extraction remediation system

a) HVDPE System was shutdown for approximately three (3) months prior to sampling; therefore, groundwater elevation data was contoured. The groundwater elevation data and contours are shown on Figure 4.

b) HVDPE System was shutdown for approximately four (4) months prior to sampling; therefore, groundwater elevation data was contoured. The groundwater elevation data and contours are shown on Figure 4.

c) HVDPE System was shutdown for approximately seven (7) months prior to sampling; therefore, groundwater elevation data was contoured. In addition, average elevation and change from previous was not calculated for remediation wells MW-1, 2, 5, 6, and 7, since these well heads have been modified since their survey. The groundwater elevation data and contours are shown on Figure 4.

d) HVDPE System was shutdown for approximlatey three (3) months prior to sampling; therefore, groundwater elevation data was contoured. In addition, average elevation and change from previous was not calculated for remediation wells MW-1, 2, 5, 6, and 7, since these well heads have been modified since their surveyThe groundwater elevation data and contours are shown on Figure 4

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOCl (µg/L)
MW-1 (8-28)	06/29/01	1.63	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	10/10/01	0.08	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	01/09/02	<0.01	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	04/24/02	<0.01	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	07/24/02	~0.01	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	11/05/02	~0.01	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	02/04/03	~0.01	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	05/02/03	0.08	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	08/04/03	0.23	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	11/03/03	1.27	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	02/09/04	0.18	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	05/10/04	Obstructed	-	-	-	-	-	-	-
	08/09/04	0.21	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	11/09/04	0.24	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	02/03/05	0.17	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	05/09/05	0.12	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	08/05/05	0.01	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	11/09/05	0.01	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	02/09/06	0.02	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	05/04/06	0.01	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	08/04/06	0.02	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	11/08/06	0.01	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	02/08/07	0.03	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	05/29/07	0.05	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	09/05/07	Sheen	47,000	<500	4,200	11,000	1,100	6,400	-
	12/12/07	Sheen	80,000	<250	630	22,000	1,700	8,900	-
	02/13/08	Sheen	22,000	<250	750	4,100	340	3,200	-
	05/15/08	0.00	25,000	<600	580	9,200	970	4,200	-
	08/05/08	0.00	110,000	<1,000	730	22,000	1,700	8,200	-
	11/07/08	0.00	15,000	290	460	1,400	84	2,700	-
	02/05/09	0.00	42,000	<1,000	1,100	8,500	880	4,500	-
	05/05/09	0.00	44,000	<50*	1,300	6,500	1,300	6,800	-
	08/21/09	0.00	63,000	<50*	1,900	15,000	1,200	7,600	-
	11/23/09	0.00	63,000	<17*	3,300	9,800	1,500	8,200	-
	02/26/10	0.00	62,000	<25*	3,500	14,000	1,600	9,300	-
	05/12/10	0.00	13,000	<5.0*	270	2,000	330	1,900	-
Traditional	08/19/10	0.00	45,000	<25*	960	9,900	1,100	5,300	-
Low-Flow	08/19/10	0.00	4,100	<110	520	540	190	290	-
Low-Flow	12/22/10	0.00	12,000	<250	440	1,300	270	2,300	-
Low-Flow	03/24/11	0.00	230	<5.0	<0.5	<0.5	<0.5	8.7	-
Low-Flow	05/26/11	0.00	390	<5.0	4.6	5.2	15	97	-
Low-Flow	08/22/11	0.00	890	<10	24	8.8	34	73	-
Low-Flow	11/08/11	0.00	260	<5.0	21	2.9	16	9.4	-
Low-Flow	02/03/12	0.00	220	<5.0	17	1.2	16	1.0	-

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOCl (µg/L)
MW-2 (8-28)	06/29/01	0.00	69,000	4,100/4,400*	7,200	6,100	1,500	7,000	-
	10/10/01	0.00	87,000	14,000	22,000	12,000	2,700	9,100	-
	01/09/02	0.00	130,000	11,000	30,000	19,000	3,800	14,000	-
	04/24/02	Sheen	210,000	32,000	38,000	23,000	4,600	19,000	-
	07/24/02	Sheen	170,000	36,000	48,000	12,000	3,700	8,600	-
	11/05/02	Sheen	190,000	36,000	45,000	25,000	4,600	16,000	-
	02/04/03	Sheen	150,000	27,000	51,000	24,000	4,200	14,000	-
	05/02/03	Sheen	150,000	35,000	39,000	11,000	3,800	9,900	-
	08/04/03	Sheen	120,000	29,000	32,000	5,000	3,200	7,200	-
	11/03/03	Sheen	120,000	24,000	33,000	4,300	3,200	5,400	-
	02/09/04	Sheen	130,000	19,000	27,000	7,700	3,100	7,600	-
	05/10/04	Sheen	67,000	13,000	20,000	3,000	2,300	4,100	-
	08/09/04	Sheen	100,000	22,000	27,000	7,100	2,800	6,600	-
	11/09/04	Sheen	100,000	23,000	27,000	6,100	3,000	5,600	-
	02/03/05	Sheen	84,000	11,000	23,000	5,000	3,000	5,500	-
	05/09/05	Sheen	74,000	14,000	21,000	4,200	2,300	3,300	-
	07/27/05	Sheen	9,500	910	1,400	1,000	180	960	-
	08/05/05	Sheen	74,000	4,000	8,800	11,000	1,300	7,600	-
	11/09/05	Sheen	120,000	16,000	21,000	14,000	2,300	13,000	-
	02/09/06	Sheen	120,000	10,000	18,000	16,000	2,200	13,000	-
	05/04/06	Sheen	71,000	8,300	14,000	11,000	1,500	7,600	-
	08/04/06	Sheen	160,000	14,000	22,000	14,000	2,400	11,000	-
	11/08/06	Sheen	110,000	6,400	17,000	9,200	1,600	6,800	<DL
	02/08/07 ¹	Sheen	68,000	5,400	11,000	7,800	1,500	7,700	-
	05/29/07	Sheen	49,000	4,800	7,600	4,400	940	4,600	-
	09/05/07	Sheen	25,000	1,000	3,300	3,400	490	2,800	-
	12/12/07	0.00	5,500	870	1,100	440	28	550	-
	02/13/08	0.00	5,700	250	440	290	43	1,000	-
	05/15/08	0.00	490	68	110	11	0.90	42	-
	08/05/08	0.00	520	<25	26	57	7.6	70	-
	11/07/08	0.00	680	72	110	38	3.1	75	-
	02/05/09	0.00	1,000	82	130	50	15	120	-
	05/05/09	0.00	570	8.6*	22	33	9.2	73	-
	08/21/09	0.00	660	<10	13	41	13	48	-
	11/23/09	0.00	400	23*	20	10	1.0	33	-
	02/26/10	0.00	1,400	17*	56	83	18	230	-
	05/12/10	0.00	350	88	63	7.0	3.0	18	-
Traditional	08/19/10	0.00	260	<10	4.6	1.1	0.93	3.4	-
Low-Flow	08/19/10	0.00	580	<15	18	4.4	4.4	25	-
Low-Flow	12/22/10	0.00	1,700	130	230	140	33	290	-
Low-Flow	03/24/11	0.00	65	81	<0.5	<0.5	<0.5	1.1	-
Low-Flow	05/26/11	0.00	140	51	<0.5	<0.5	<0.5	1.9	-
Low-Flow	08/22/11	0.00	1,500	<50	69	33	10	220	-
Low-Flow	11/08/11	0.00	410	<5.0	18	4.8	5.3	83	-
Low-Flow	02/03/12	0.00	170	<5.0	3.1	1.7	1.5	6.2	

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g ($\mu\text{g}/\text{L}$)	MTBE ($\mu\text{g}/\text{L}$)	Benzene ($\mu\text{g}/\text{L}$)	Toluene ($\mu\text{g}/\text{L}$)	Ethyl- benzene ($\mu\text{g}/\text{L}$)	Xylenes ($\mu\text{g}/\text{L}$)	HVOCS ($\mu\text{g}/\text{L}$)
MW-3 (10-25)	06/29/01	0.00	550	<5.0	<0.5	3.1	3.2	1.2	-
	10/10/01	0.00	470	<5.0	0.77	5.3	3.3	5.9	-
	01/09/02	0.00	1,000	<5.0	0.90	7.6	7.8	25	-
	04/24/02	0.00	1,500	<5.0	0.64	7.2	12	14	-
	07/24/02	0.00	1,200	<5.0	10	17.0	11	25	-
	11/05/02	0.00	1,800	<25	33	43.0	18	31	-
	02/04/03	0.00	450	<5.0	<0.5	5.0	<0.5	0.77	-
	05/02/03	0.00	340	<5.0	7.3	10.0	2.5	7.3	-
	08/04/03	0.00	170	<5.0	5.8	5.9	1.5	4.9	-
	11/03/03	0.00	54	<5.0	<0.5	<0.5	<0.5	<0.5	-
	02/09/04	0.00	190	<5.0	<0.5	3.6	<0.5	<0.5	-
	05/10/04	0.00	280	<5.0	<0.5	3.4	<0.5	<0.5	-
	08/09/04	0.00	290	<5.0	<0.5	3.8	<0.5	<0.5	-
	11/09/04	0.00	220	<5.0	<0.5	4.0	<0.5	<0.5	-
	02/03/05	0.00	160	<5.0	13	30	3	21	-
	05/09/05	0.00	200	<5.0	<0.5	3.9	<0.5	<0.5	-
	08/05/05	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	11/09/05	0.00	130	<5.0	<0.5	2.3	<0.5	<0.5	-
	02/09/06	0.00	270	<5.0	<0.5	5.6	<0.5	<0.5	-
	05/04/06	0.00	220	<5.0	<0.5	4.3	<0.5	<0.5	-
	08/04/06	0.00	93	<5.0	<0.5	1.5	<0.5	<0.5	-
	11/08/06	0.00	160	<5.0	<0.5	2.9	<0.5	<0.5	<DL
	02/08/07 ¹	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	05/29/07	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	09/05/07	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	12/12/07	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	02/13/08	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	05/15/08	0.00	<50	<5.0	0.99	<0.5	<0.5	0.68	-
	08/05/08	0.00	91	<5.0	2.0	8.0	1.3	8.0	-
	11/07/08	0.00	150	<5.0	0.70	6.5	1.3	26	-
	02/05/09	0.00	<50	<5.0	1.7	<0.5	<0.5	<0.5	-
	05/05/09	0.00	<50	<5.0	<0.5	0.76	<0.5	<0.5	-
	08/21/09	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	11/23/09	0.00	<50	<5.0	0.90	<0.5	0.59	1.2	-
	02/26/10	-	-	-	-	-	-	-	-
	05/12/10	-	-	-	-	-	-	-	-
	08/19/10	-	-	-	-	-	-	-	-
	12/22/10	0.00	<50	<5.0	<0.5	<0.5	<0.5	1.7	-
	03/24/11	-	-	-	-	-	-	-	-
Low-Flow									

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOCl (µg/L)
MW-4 (10-25)	06/29/01	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	10/10/01	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	01/09/02	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	04/24/02	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	07/24/02	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	11/05/02	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	02/04/03	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	05/02/03	0.00	500	10	68	71	18	65	-
	08/04/03	0.00	270	<5.0	30	29	9.2	32	-
	11/03/03	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	02/09/04	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	05/10/04	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	08/09/04	0.00	130	<5.0	14	13	5.3	17	-
	11/09/04	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	02/03/05	0.00	370	<5.0	<0.5	4.1	<0.5	0.64	-
	05/09/05	0.00	840	<5.0	50	180	21	110	-
	07/27/05	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	08/05/05	0.00	310	<5.0	7.5	57	10	53	-
	11/09/05	0.00	290	<5.0	12	61	8.8	49	-
	02/09/06	0.00	250	<5.0	9.9	42	7.5	45	-
	05/04/06	0.00	300	<5.0	37	76	7.8	42	-
	08/04/06	0.00	270	<5.0	7.3	33	5.6	32	-
	11/08/06	0.00	1,300	<5.0	75	230	31	160	<DL
	02/08/07	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	05/29/07	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	09/05/07	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	12/12/07	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	02/13/08	0.00	75	<5.0	2.4	8.3	1.2	14	-
	05/15/08	0.00	<50	<5.0	0.65	<0.5	<0.5	0.52	-
	08/05/08	0.00	76	<5.0	1.2	8.1	1.5	9.7	-
	11/07/08	0.00	100	<5.0	2.8	7.7	1.1	15	-
	02/05/09	0.00	140	<5.0	0.87	19	3.9	29	-
	05/05/09	0.00	85	<5.0	1.2	8.0	2.5	19	-
	08/21/09	0.00	390	<5.0	14	58	11	73	-
	11/23/09	0.00	<50	<5.0	2.6	<0.5	1.5	2.3	-
	02/26/10	-	-	-	-	-	-	-	-
	05/12/10	-	-	-	-	-	-	-	-
	08/19/10	-	-	-	-	-	-	-	-
	12/22/10	0.00	<50	<5.0	<0.5	<0.5	<0.5	1.2	-
	03/24/11	-	-	-	-	-	-	-	-
Low-Flow									

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOCl (µg/L)
MW-5 (12-22)	02/03/05	0.00	78,000	<1,000	7,600	13,000	2,200	9,600	-
	05/09/05	0.00	60,000	<900	6,100	9,900	1,600	6,600	-
	07/27/05	nm	120,000	1,100	10,000	19,000	2,100	13,000	-
	08/05/05	0.00	59,000	<500	4,100	10,000	1,200	6,600	-
	11/09/05	0.00	44,000	<500	3,300	7,400	1,100	4,900	-
	02/09/06	0.00	110,000	<500	10,000	22,000	2,400	13,000	-
	05/04/06	0.00	110,000	<250	11,000	22,000	2,900	15,000	-
	08/04/06	0.00	73,000	<500	4,700	8,600	1,700	7,600	-
	11/08/06	0.00	51,000	<500	3,700	7,200	1,400	6,700	<DL
	02/08/07	0.00	67,000	<800	5,100	10,000	1,800	10,000	-
	05/29/07	0.00	86,000	<1000	6,200	12,000	2,000	11,000	-
	09/05/07	0.00	36,000	<350	2,100	4,000	560	4,600	-
	12/12/07	0.00	8,200	<100	160	56	290	1,200	-
	02/13/08	0.00	4,600	<50	77	440	41	1,300	-
	05/15/08	0.00	3,000	<10	59	330	47	670	-
	08/05/08	0.00	4,500	<50	64	490	46	1,100	-
	11/07/08	0.00	5,000	<17	66	400	29	1,200	-
	02/05/09	0.00	2,800	<0.5*	49	120	22	570	-
	05/05/09	0.00	12,000	<5.0*	360	1,300	250	2,000	-
	08/21/09	0.00	11,000	<1.0*	450	610	400	2,300	-
	11/23/09	0.00	1,700	<0.5*	47	100	29	240	-
	02/26/10	0.00	3,100	<1.0*	55	220	27	520	-
	05/12/10	0.00	1,300	<5.0	55	190	13	180	-
Traditional	08/19/10	0.00	3,600	<75	140	50	130	370	-
Low-Flow	08/19/10	0.00	3,600	<25	180	180	170	550	-
Low-Flow^	08/19/10	0.00	5,400	<25	210	230	230	660	-
Low-Flow	12/22/10	0.00	9,000	<100	300	1,100	180	1,700	-
Low-Flow	03/24/11	0.00	4,500	<50	120	600	12	900	-
Low-Flow	05/26/11	0.00	830	<10	33	27	16	170	-
Low-Flow	08/22/11	0.00	2,700	<50	120	130	70	490	-
Low-Flow	11/08/11	0.00	940	<25	91	36	33	230	-
Low-Flow	02/03/12	0.00	1,400	<25	100	6.7	91	35	-

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOCl (µg/L)
MW-6 (12-22)	02/03/05	Sheen	130,000	<1,000	2,400	33,000	2,400	15,000	-
	05/09/05	Sheen	170,000	<4,000	11,000	43,000	3,100	16,000	-
	08/05/05	0.37	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	11/09/05	0.37	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	02/09/06	0.71	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	05/04/06	0.75	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	08/04/06	0.41	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	11/08/06	0.38	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	02/08/07	0.34	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	05/29/07	0.31	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	09/05/07	0.00	74,000	<750	870	7,000	2,400	12,000	-
	12/12/07	Sheen	12,000	<10	556	560	550	1,800	-
	02/13/08	Sheen	27,000	<250	700	4,900	620	5,300	<DL
	05/15/08	0.00	25,000	<150	410	2,500	1,000	3,700	-
	08/05/08	0.00	33,000	<350	480	5,500	1,400	6,800	-
	11/07/08 ²	0.00	54,000	<5.0	610	7,000	1,700	8,900	-
	02/05/09	0.00	92,000	<50*	1,100	8,600	2,800	14,000	-
	05/05/09	0.00	58,000	<50*	560	4,300	2,400	13,000	-
	08/21/09	0.00	53,000	<5.0*	1,800	8,100	1,200	12,000	-
	11/23/09	0.00	28,000	<10*	270	710	1,200	5,500	-
	02/26/10	0.00	21,000	<10*	84	<5.0	800	3,900	-
	05/12/10	0.00	19,000	<12*	350	1,100	1,000	3,300	-
Traditional	08/20/10	0.00	64,000	<50*	2,000	12,000	1,600	8,300	-
Low-Flow	08/20/10	0.00	1,900	<5.0	13	98	62	350	-
Low-Flow	12/22/10	0.00	21,000	<100	180	1,300	520	4,900	-
Low-Flow	03/24/11	0.00	6,500	<90	74	510	220	1,700	-
Low-Flow	05/26/11	0.00	4,400	<50	52	400	200	1,300	-
Low-Flow	08/22/11	0.00	4,100	<50	13	150	120	820	-
Low-Flow	11/08/11	0.00	3,800	<25	9.3	78	150	840	-
Low-Flow	02/03/12	0.00	600	<15	2.5	3.1	2.7	21	

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOC (µg/L)
MW-7 (12-22)	02/03/05	Sheen	220,000	18,000	45,000	44,000	3,500	18,000	-
	05/09/05	0.03	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	08/05/05	0.05	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	11/09/05	0.12	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	02/09/06	0.07	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	05/04/06	0.01	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	08/04/06	Sheen	230,000	19,000	37,000	37,000	3,100	14,000	-
	11/08/06	Sheen	240,000	13,000	41,000	39,000	3,000	14,000	<DL
	02/08/07	Sheen	230,000	15,000	41,000	37,000	3,700	20,000	-
	05/29/07	Sheen	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	ns/fp	-
	09/05/07	Sheen	14,000	<450	41	210	99	1,600	-
	12/12/07	Sheen	9,200	<500	1,100	870	66	1,100	-
	02/13/08	0.00	17,000	590	2,800	2,700	300	1,900	-
	05/15/08	0.00	10,000	230	1,700	1,900	200	950	-
	08/05/08	0.00	6,100	<150	1,100	1,100	120	740	-
	11/07/08	0.00	4,200	<50	580	570	44	400	-
	02/05/09	0.00	7,800	26*	1,100	810	190	690	-
	05/05/09	0.00	7,200	77*	1,200	1,200	150	860	-
	08/21/09	0.00	28,000	390*	6,200	3,200	450	3,100	-
	11/23/09	0.00	17,000	32*	430	1,600	730	2,800	-
	02/26/10	0.00	21,000	29*	1,500	1,500	870	3,300	-
	05/12/10	0.00	18,000	51*	1,300	2,700	540	3,100	-
Traditional	08/19/10	0.00	11,000	<300	2,100	590	270	2,000	-
Low-Flow	08/19/10	0.00	24,000	<500	3,700	2,200	510	4,800	-
Low-Flow^	08/19/10	0.00	23,000	<300	3,300	2,000	520	3,900	-
Low-Flow	12/22/10	0.00	16,000	<200	1,600	1,700	250	2,800	-
Low-Flow	03/24/11	0.00	110	18	<0.5	<0.5	0.57	<0.5	-
Low-Flow	05/26/11	0.00	460	<10	25	6.8	4.9	93	-
Low-Flow	08/22/11	0.00	1,500	<10	47	28	12	210	-
Low-Flow	11/08/11	0.00	1,200	<10	55	10	19	180	-
Low-Flow	02/03/12	0.00	710	<5.0	19	4.0	19	43	-

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOCl (µg/L)
MW-8 (12-22)	05/15/08	0.00	90	<5.0	0.62	2.4	<0.5	1.0	-
	08/05/08	0.00	81	<5.0	0.66	7.2	1.2	9.1	-
	11/07/08	0.00	430	<5.0	2.9	26	6.1	86	-
	02/05/09	0.00	<50	<5.0	0.98	1.3	<0.5	<0.5	-
	05/05/09	0.00	94	<5.0	0.91	7.1	2.2	17	-
	08/21/09	0.00	480	<5.0	30	100	17	130	-
	11/23/09	0.00	62	<5.0	5.3	2.0	2.4	3.3	-
	02/26/10	-	-	-	-	-	-	-	-
	05/12/10	-	-	-	-	-	-	-	-
	08/19/10	-	-	-	-	-	-	-	-
	Low-Flow	12/22/10	0.00	<50	<5.0	<0.5	<0.5	<0.5	-
		03/24/11	-	-	-	-	-	-	-
MW-9 (12-22)	05/15/08	0.00	60,000	960	14,000	410	1,500	3,500	-
	08/05/08	0.00	42,000	<1,200	13,000	400	1,800	4,800	-
	11/07/08 ²	0.00	53,000	400	13,000	350	1,800	3,100	-
	02/05/09	0.00	32,000	360*	11,000	310	1,600	2,700	-
	05/05/09	0.00	44,000	730*	14,000	520	1,900	3,400	-
	08/21/09	0.00	48,000	900*	15,000	550	2,000	3,300	-
	11/23/09	0.00	39,000	750	11,000	390	1,800	2,400	-
	02/26/10	0.00	44,000	760*	12,000	360	1,900	3,800	-
	05/12/10	0.00	34,000	390*	6,800	320	1,700	3,600	-
	Traditional	08/19/10	0.00	35,000	<1,200	9,600	220	2,300	3,600
	Low-Flow	08/19/10	0.00	30,000	<1,200	8,400	140	1,800	2,800
	Low-Flow	12/22/10	0.00	15,000	<300	3,600	47	870	730
Low-Flow	03/24/11	0.00	2,100	<90	850	5.0	100	7.3	-
	05/26/11	0.00	4,100	<250	1,700	11	120	9.9	-
	08/22/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	11/08/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	Low-Flow	02/03/12	0.00	<50	<5.0	<0.5	<0.5	<0.5	-

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOCl (µg/L)
MW-10 (12-22)	02/03/05	0.00	36,000	<500	4,700	7,200	660	3,400	-
	05/09/05	0.00	88,000	<1,500	6,900	20,000	2,300	9,900	-
	08/05/05	0.00	88,000	<1,100	10,000	21,000	1,900	9,800	-
	11/09/05	0.00	63,000	<1,100	5,400	13,000	1,900	7,900	-
	02/09/06	0.00	100,000	<500	6,600	19,000	2,900	13,000	-
	05/04/06	0.00	100,000	<500	8,500	25,000	3,000	13,000	-
	08/04/06	0.00	190,000	<2,200	17,000	35,000	2,800	13,000	-
	11/08/06	0.00	57,000	<500	2,500	7,600	1,600	5,700	<DL
	02/08/07	0.00	69,000	<1,000	4,400	14,000	2,200	8,800	-
	05/29/07	0.00	100,000	<1,000	5,300	19,000	2,600	12,000	-
	09/05/07	0.00	87,000	<1,000	6,100	20,000	2,400	12,000	-
	12/12/07	Sheen	4,700	<50	95	280	110	730	-
	02/13/08	0.00	4,500	<250	190	370	65	880	-
	05/15/08	0.00	4,800	<50	130	320	110	710	-
	08/05/08	0.00	3,500	<120	230	180	74	190	-
11/07/08 ³ Well now located beneath a new residential building. Impossible to sample.									

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOCl (µg/L)
MW-11 (12-22)	02/03/05	Sheen	170,000	<3,000	23,000	35,000	3,100	16,000	-
	05/09/05	Sheen	210,000	3,500	29,000	40,000	3,400	16,000	-
	07/27/05	Sheen	220,000	2,500	26,000	37,000	3,200	18,000	-
	08/05/05	Sheen	210,000	<2,500	35,000	42,000	3,300	16,000	-
	11/09/05	Sheen	180,000	9,100	32,000	47,000	3,600	18,000	-
	02/09/06	Sheen	210,000	10,000	33,000	39,000	3,800	20,000	-
	05/04/06	Sheen	190,000	12,000	34,000	41,000	3,500	17,000	-
	08/04/06	Sheen	290,000	11,000	33,000	43,000	3,300	15,000	-
	11/08/06	0.00	240,000	14,000	34,000	44,000	3,300	16,000	<DL
	02/08/07	0.00	230,000	19,000	43,000	44,000	3,900	20,000	-
	05/29/07	0.00	230,000	19,000	35,000	39,000	3,600	20,000	-
	09/05/07	0.00	200,000	19,000	34,000	36,000	3,700	23,000	-
	12/12/07	0.00	81,000	4,000	9,400	9,500	1,700	9,700	-
	02/13/08	0.00	36,000	4,200	5,700	4,000	560	5,300	-
	05/15/08	0.00	15,000	2,300	2,800	1,400	120	1,900	-
	08/05/08	0.00	12,000	1,100	1,800	760	98	630	-
	11/07/08 ³	Well now located beneath a new residential building. Impossible to sample.							

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOC (µg/L)
MW-12 (12-22)	02/03/05	Sheen	250,000	100,000	52,000	41,000	3,400	15,000	-
	05/09/05	Sheen	210,000	91,000	44,000	28,000	3,300	13,000	-
	08/05/05	Sheen	170,000	52,000	38,000	28,000	3,000	12,000	-
	11/09/05	Sheen	180,000	52,000	39,000	25,000	2,900	12,000	-
	02/09/06	Sheen	170,000	34,000	40,000	23,000	3,500	15,000	-
	05/04/06	Sheen	160,000	47,000	33,000	28,000	2,800	10,000	-
	08/04/06	Sheen	240,000	55,000	40,000	24,000	3,200	12,000	-
	11/08/06	0.00	190,000	33,000	40,000	23,000	2,700	13,000	<DL
	02/08/07	0.00	150,000	34,000	38,000	19,000	3,300	12,000	-
	05/29/07	0.00	150,000	30,000	30,000	15,000	3,100	13,000	-
	09/05/07	0.00	160,000	38,000	33,000	21,000	3,200	14,000	-
	12/12/07	0.00	58,000	6,700	10,000	7,100	1,200	4,900	-
	02/13/08	0.00	17,000	3,000	3,600	2,300	440	1,800	-
	05/15/08	0.00	7,800	1,900	2,000	500	130	640	-
	08/05/08	0.00	3,900	800	730	130	61	200	-
	11/07/08 ³	Well now located beneath a new residential building. Impossible to sample.							

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	HVOCS (µg/L)
MW-13 (12-22)	05/15/08	0.00	<250	6,700	18	<2.5	<2.5	<2.5	-
	08/05/08	0.00	<250	3,400	<2.5	5.7	<2.5	4.3	-
	11/07/08	0.00	61	380	2.8	1.4	0.55	0.87	-
	02/05/09	0.00	<50	14	<0.5	<0.5	<0.5	<0.5	-
	05/05/09	0.00	<50	<5.0	0.53	3.2	1.1	7.5	-
	08/21/09	0.00	85	<5.0	2.0	10	2.2	13	-
	11/23/09	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	02/26/10	0.00	500	<5.0	9.8	58	20	110	-
	05/12/10	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	08/19/10	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-
	Low-Flow	12/22/10	0.00	<50	<5.0	1.1	<0.5	<0.5	0.63
	Low-Flow	03/24/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	-
	Low-Flow	05/26/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	-
	Low-Flow	08/22/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	-
	Low-Flow	11/08/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	-
	Low-Flow	02/03/12	0.00	<50	<5.0	<0.5	<0.5	<0.5	-
MW-14 (12 - 22)	08/21/09	0.00	3,000	<1.0*	11	41	92	40	-
	11/23/09	0.00	1,600	<5.0	6.1	16	33	4.9	-
	02/26/10	0.00	1,800	<5.0	4.7	24	18	11	-
	05/12/10	0.00	970	16	0.63	14	5.3	0.57	-
	08/19/10	0.00	890	<30	1.3	16	2.6	1.3	-
	Low-Flow	12/22/10	0.00	290	<5.0	<0.5	7.6	<0.5	0.52
	Low-Flow	03/24/11	0.00	93	<5.0	<0.5	1.8	<0.5	<0.5
	Low-Flow	05/26/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	-
	Low-Flow	08/22/11	0.00	140	<5.0	<0.5	5.7	<0.5	<0.5
	Low-Flow	11/08/11	0.00	350	<5.0	<0.5	13	<0.5	<0.5
	Low-Flow	02/03/12	0.00	200	<5.0	<0.5	7.0	<0.5	<0.5
MW-15 (12 - 22)	08/21/09	0.00	190	23	23	15	6.6	25	-
	11/23/09	0.00	280	19	65	4.6	20	28	-
	02/26/10	0.00	96	27	9.9	3.7	3.1	9.2	-
	05/12/10	0.00	<50	20	<0.5	<0.5	<0.5	<0.5	-
	08/19/10	0.00	<50	33	<0.5	<0.5	<0.5	<0.5	-
	Low-Flow	12/22/10	0.00	<50	12	<0.5	<0.5	<0.5	<0.5
	Low-Flow	03/24/11	0.00	<50	6.2	<0.5	<0.5	<0.5	-
	Low-Flow	05/26/11	0.00	<50	7.3	<0.5	<0.5	<0.5	-
	Low-Flow	08/22/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	-
	Low-Flow	11/08/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	-
	Low-Flow	02/03/12	0.00	<50	<5.0	<0.5	<0.5	<0.5	-

TABLE 3: GROUNDWATER ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID (screen interval)	Date Collected	Apparent LNAPL Thickness (ft)	TPH-g ($\mu\text{g}/\text{L}$)	MTBE ($\mu\text{g}/\text{L}$)	Benzene ($\mu\text{g}/\text{L}$)	Toluene ($\mu\text{g}/\text{L}$)	Ethyl- benzene ($\mu\text{g}/\text{L}$)	Xylenes ($\mu\text{g}/\text{L}$)	HVOC ($\mu\text{g}/\text{L}$)
MW-16 (12 - 22)	08/21/09	0.00	860	20	80	110	26	130	-
	11/23/09	0.00	870	31	280	13	46	63	-
	02/26/10	0.00	240	21	46	28	16	59	-
	05/12/10	0.00	<50	15	2.3	0.62	<0.5	0.79	-
	08/19/10	0.00	<50	15	<0.5	<0.5	<0.5	<0.5	-
	Low-Flow	12/22/10	0.00	<50	10	<0.5	<0.5	<0.5	-
	Low-Flow	03/24/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	-
	Low-Flow	05/26/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	-
	Low-Flow	08/22/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	-
	Low-Flow	11/08/11	0.00	<50	<5.0	<0.5	<0.5	<0.5	-
Low-Flow	02/03/12	0.00	<50	<5.0	<0.5	<0.5	<0.5	<0.5	-

NOTES:

- not sampled/analyzed

ft = feet

ns/fp = not sampled / free product present

 $\mu\text{g}/\text{L}$ = micrograms per liter or parts per billion (ppb)

TPH-g by EPA Method SW8015Cm

BTEX & MTBE by EPA Method SW8021B

TPH-g = total petroleum hydrocarbons as gasoline

MTBE = methyl tertiary-butyl ether

HVOC= halogenated volatile organic compounds (e.g., PCE, TCE, DCE, VC)

DL = detection limit

* = MTBE by EPA Method 8260

^ = Duplicate sample analyzed from different VOA

1) Analytical results for MW-2 and MW-3 reversed from lab data based on historical concentration trends observed

2) Groundwater sample re-analyzed for MTBE-only by EPA Method SW8260B

3) Wellheads removed and wells now located ~4' below grade beneath new residential construction; routine sampling is no longer possible

TABLE 4: SOIL GAS ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID	Date Collected	Sample Depth (ft bgs)	TPH-g ($\mu\text{g}/\text{m}^3$)	MTBE ($\mu\text{g}/\text{m}^3$)	Benzene ($\mu\text{g}/\text{m}^3$)	Toluene ($\mu\text{g}/\text{m}^3$)	Ethyl-benzene ($\mu\text{g}/\text{m}^3$)	Xylenes ($\mu\text{g}/\text{m}^3$)	Ethanol ($\mu\text{g}/\text{m}^3$)	PCE ($\mu\text{g}/\text{m}^3$)	2-propanol ($\mu\text{g}/\text{m}^3$)
GP-1-5	08/04/06	5	331	<8.0	<7.1	<8.4	<9.7	<9.7	<17	17	23
GP-1-5D ₁	08/04/06	5	-	<8.0	<7.1	<8.4	<9.7	<9.7	<17	18	23
GP-1-5	11/08/06	5	1,100	<4.6	<4.0	<4.8	<5.5	<5.5	<9.5	12	<12
GP-1-5	03/06/07*	5	-	-	-	-	-	-	-	-	-
GP-1-5	05/17/07	5	457	<3.6	<3.2	<3.8	<4.4	<4.4	<7.6	14	<9.9
GP-1-5D ₁	05/17/07	5	-	<3.6	<3.2	<3.8	<4.4	<4.4	<7.6	14	<9.9
GP-1-5	12/12/07	5	<1,500	<48	<6.5	<7.7	<8.8	<27	<96	<14	<25
GP-1-5	02/14/08	5	<1,800	<48	<6.5	<7.7	<8.8	<27	<96	<14	<10,000
GP-1-5	05/08/08	5	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<25
GP-1-5	08/15/08	5	<1800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<10,000
GP-1-5 ²	11/07/08	5	-	-	-	-	-	-	-	-	-
GP-1-10	08/04/06	10	493	<4.1	<3.6	<4.3	<5.0	<5.0	<8.6	20	<11
GP-1-10	11/08/06	10	950	<4.2	<3.7	<4.4	<5.0	<5.0	<8.8	<7.9	<11
GP-1-10	03/06/07*	10	-	-	-	-	-	-	-	-	-
GP-1-10	05/17/07 [^]	10	-	-	-	-	-	-	-	-	-
GP-1-10	12/12/07	10	<1,500	<48	<6.5	<7.7	<8.8	<27	<96	<14	<25
GP-1-10	02/14/08	10	<1,800	<48	<6.5	<7.7	<8.8	<27	-	<14	<10,000
GP-1-10	05/08/08	10	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<25
GP-1-10	08/15/08	10	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<10,000
GP-1-10 ²	11/07/08	10	-	-	-	-	-	-	-	-	-
GP-2-5	08/04/06	5	493	<4.4	<3.9	6.9	<5.4	10	<9.3	600	<12
GP-2-5	11/08/06	5	1,100	<4.0	<3.6	<4.2	<4.9	<4.9	<8.4	240	<11
GP-2-5	03/06/07*	5	-	-	-	-	-	-	-	-	-
GP-2-5	05/17/07	5	582	<4.0	<3.5	<4.1	<4.8	<4.8	<8.3	420	<11
GP-2-5	12/12/07	5	<1,500	<48	<6.5	<7.7	<8.8	<27	<96	<14	<25
GP-2-5	02/14/08	5	<1,800	<48	<6.5	<7.7	<8.8	<27	<14	<14	<10,000
GP-2-5	05/08/08	5	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<25
GP-2-5	08/15/08	5	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	39	<10,000
GP-2-5 ²	11/07/08	5	-	-	-	-	-	-	-	-	-
GP-2-10	08/04/06	10	352	<10	<9.0	18	<12	<12	<21	270	<28
GP-2-10	11/08/06	10	910	<3.9	<3.4	<4.1	<4.7	<4.7	<8.1	450	<11
GP-2-10	03/06/07*	10	-	-	-	-	-	-	-	-	-
GP-2-10	05/17/07	10	748	<3.8	<3.3	<3.9	<4.5	<4.5	<7.9	440	<10
GP-2-10	12/12/07	10	<1,500	<48	<6.5	<7.7	<8.8	<27	<96	<14	<25
GP-2-10	02/14/08	10	<1,800	<48	<6.5	<7.7	<8.8	<27	-	<14	<10,000
GP-2-10	05/08/08	10	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<25
GP-2-10	08/15/08	10	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	48	<10,000
GP-2-10 ²	11/07/08	10	-	-	-	-	-	-	-	-	-

TABLE 4: SOIL GAS ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID	Date Collected	Sample Depth (ft bgs)	TPH-g ($\mu\text{g}/\text{m}^3$)	MTBE ($\mu\text{g}/\text{m}^3$)	Benzene ($\mu\text{g}/\text{m}^3$)	Toluene ($\mu\text{g}/\text{m}^3$)	Ethyl-benzene ($\mu\text{g}/\text{m}^3$)	Xylenes ($\mu\text{g}/\text{m}^3$)	Ethanol ($\mu\text{g}/\text{m}^3$)	PCE ($\mu\text{g}/\text{m}^3$)	2-propanol ($\mu\text{g}/\text{m}^3$)
GP-3-5	08/04/06	5	<240	<4.2	<3.7	<4.4	<5.0	<5.0	<8.8	<7.9	<11
GP-3-5	11/08/06	5	930	<4.4	<3.9	<4.6	<5.2	<5.2	<9.1	<8.2	<12
GP-3-5	03/06/07*	5	-	-	-	-	-	-	-	-	-
GP-3-5	05/17/07	5	582	<4.0	<3.5	<4.1	<4.8	<4.8	17	<7.5	<11
GP-3-5D _f	05/17/07	5	582	<4.0	<3.5	<4.1	<4.8	<4.8	<8.3	16	<11
GP-3-5	12/12/07	5	<1,500	<48	<6.5	<7.7	<8.8	<27	<96	<14	<25
GP-3-5	02/14/08	5	<1,800	<48	<6.5	<7.7	<8.8	<27	-	<14	<10,000
GP-3-5	05/08/08	5	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<25
GP-3-5	08/15/08	5	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<10,000
GP-3-5 ^{1,2}	11/07/08	5	-	-	-	-	-	-	-	-	-
GP-3-10	08/04/06	10	564	<4.2	<3.7	<4.4	<5.0	<5.0	<8.8	<7.9	<11
GP-3-10	11/08/06	10	1,800	<4.0	<3.6	<4.2	<4.9	<4.9	<8.4	<7.6	<11
GP-3-10	03/06/07*	10	-	-	-	-	-	-	-	-	-
GP-3-10	05/17/07	10	1,538	<4.1	<3.6	<4.3	<5.0	<5.0	18	<7.8	12
GP-3-10	12/12/07	10	<1,500	<48	<6.5	<7.7	<8.8	<27	<96	<14	-
GP-3-10	02/14/08	10	<1,800	<48	<6.5	<7.7	<8.8	<27	-	<14	<10,000
GP-3-10	05/08/08	10	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<25
GP-3-10	08/15/08	10	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<10,000
GP-3-10 ^{1,2}	11/07/08	10	-	-	-	-	-	-	-	-	-
GP-4-5	08/04/06	5	705	<4.4	5.4	<4.6	<5.4	<5.4	<9.3	<8.4	<12
GP-4-5D _f	08/04/06	5	599	-	-	-	-	-	-	-	-
GP-4-5	11/08/06	5	540	<4	<3.5	<4.1	<4.8	<4.8	<8.3	<7.5	<11
GP-4-5D _f	11/08/06	5	610	<7.7	<6.8	<8.0	<9.2	<9.2	<16	<14	<21
GP-4-5	03/06/07*	5	-	-	-	-	-	-	-	-	-
GP-4-5	05/17/07	5	873	<4	<3.6	<4.2	<4.9	<4.9	15	<7.6	<11
GP-4-5	12/12/07	5	<1,500	<48	<6.5	<7.7	<8.8	<27	<96	<14	<25
GP-4-5D _f	12/12/07	5	<1,500	<48	<6.5	<7.7	<8.8	<27	<96	<14	<25
GP-4-5	02/14/08	5	<1,800	<48	<6.5	<7.7	<8.8	<27	<96	<14	<10,000
GP-4-5	05/08/08	5	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<25
GP-4-5	08/15/08	5	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<10,000
GP-4-5 ^{1,2}	11/07/08	5	-	-	-	-	-	-	-	-	-
GP-4-10	08/04/06	10	564	<4.1	6.1	17	5.7	16	12	<7.8	<11
GP-4-10D _f	08/05/06	10	529	<3.8	4.2	18	<4.6	17	18	<7.2	<10
GP-4-10	11/08/06	10	900	<4.0	<3.5	4.1	<4.8	5.2	<8.3	<7.5	<11
GP-4-10D _f	11/08/06	10	880	<1.8	<1.6	<1.9	<2.2	<2.2	<3.8	<3.4	<4.9
GP-4-10	03/06/07*	10	-	-	-	-	-	-	-	-	-
GP-4-10	05/17/07 [^]	10	-	-	-	-	-	-	-	-	-
GP-4-10	12/12/07	10	1,600	<48	<6.5	<7.7	<8.8	<27	<96	<14	<25
GP-4-10	02/14/08	10	-	-	-	-	-	-	-	-	-
GP-4-10	05/08/08	10	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<25
GP-4-10	08/15/08	10	<1,800	<7.3	<6.5	<7.7	<8.8	<27	-	<14	<10,000
GP-4-10 ^{1,2}	11/07/08	10	-	-	-	-	-	-	-	-	-

TABLE 4: SOIL GAS ANALYTICAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Well ID	Date Collected	Sample Depth (ft bgs)	TPH-g ($\mu\text{g}/\text{m}^3$)	MTBE ($\mu\text{g}/\text{m}^3$)	Benzene ($\mu\text{g}/\text{m}^3$)	Toluene ($\mu\text{g}/\text{m}^3$)	Ethyl-benzene ($\mu\text{g}/\text{m}^3$)	Xylenes ($\mu\text{g}/\text{m}^3$)	Ethanol ($\mu\text{g}/\text{m}^3$)	PCE ($\mu\text{g}/\text{m}^3$)	2-propanol ($\mu\text{g}/\text{m}^3$)
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NOTES:

- not sampled/analyzed

2-propanol (i.e., isopropyl alcohol) tracer/leak check compound

ft bgs = feet below ground surface

 $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

TPH-g = total petroleum hydrocarbons as gasoline

MTBE = methyl tertiary-butyl ether

PCE = tetrachloroethene

ESLs = Environmental Screening Levels - for residential land use

CHHSLs = California Human Health Screening Levels

pp = CHHSL postponed

* = Sampling not possible due to seasonal wet soil conditions

^ = No sample analysis due to presence of free moisture in sample tubing

D_f = after the probe/sample ID indicates a duplicate sample collected in the fieldD_l = after the probe/sample ID indicates a duplicate sample prepared and analyzed by the lab

1) On August 21, 2008, GP-3 and GP-4 were decommissioned during the installation of the HVDPE conveyance piping laterals

2) Per concurrence from ACHCSA in a letter dated October 3, 2008, quarterly soil gas sampling has been temporarily suspended during operation of the HVDPE system

TABLE 5: HVDPE VAPOR ANALYTICAL & FIELD SCREENING DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Sample Port ID	Sample Date	Notes	Initial Valve Position	Final Valve Position	Manifold Vacuum (in-Hg)	Field Screening Data				Vapor Analytical Data					
						TVH (ppmv)	CH ₄ (%)	O ₂ (%)	CO ₂ (%)	TPH-g (ppmv)	MTBE (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylenes (ppmv)
MW-1S	08/10/07	1,2	100%	OFF	21	-	-	-	-	3,400	ND<14	68	210	30	160
	09/28/07		OFF	OFF	20	-	-	-	-	-	-	-	-	-	-
	10/17/07		OFF	50%	21	0	0.0	20.9	0.0	380	ND<14	26	58	5.7	46
	11/16/07		50%	50%	21	2,800	0.5	20.7	0.5	3,200	ND<14	69	220	20	110
	12/26/07		50%	50%	18	3,000	1.5	20.7	0.4	3,900	ND<27	79	210	41	210
	01/22/08		50%	OFF	18	160	0.0	19.7	0.3	660	ND<14	5.8	23	2.7	28
	02/07/08		OFF	OFF	21.5	0	0.0	20.9	0.0	-	-	-	-	-	-
	03/18/08		OFF	OFF	14.5	0	xx	20.9	0.0	140	ND<0.68	1.3	6.9	0.78	6.9
	04/30/08		OFF	OFF	18	50	0.0	20.9	0.1	520	3.3	13	38	6.7	53
	05/29/08		OFF	OFF	19.5	-	-	-	-	-	-	-	-	-	-
	06/26/08		OFF	OFF	23	-	-	-	-	-	-	-	-	-	-
	07/30/08	7	OFF	OFF	17	310	0.0	18.3	1.1	-	-	-	-	-	-
	09/30/08		OFF	100%	16.5	5	0.0	20.9	0.4	65	0.71	0.44	2.2	0.65	12
	11/04/08	1,2	100%	100%	13	4,250	1.5	12.6	2.9	3,100	ND<180	63	140	14	120
	12/02/08		100%	100%	10	2,710	0.5	20.3	0.9	3,300	ND<14	57	150	12	110
	01/06/09		100%	100%	12	55	0.0	20.9	0.0	35	ND<0.68	3.6	5.6	0.22	1.8
	02/09/09		100%	100%	12	15	0.0	20.9	0.0	36	ND<0.68	4.7	6.7	0.35	3.1
	03/18/09		100%	100%	10	10	0.0	20.9	0.3	120	ND<1.0	1.8	9.6	0.69	4.2
	04/21/09		100%	100%	11	10	0.0	20.4	0.2	42	ND<0.68	0.56	2.3	0.29	1.9
	05/19/09		100%	100%	11.5	35	0.0	19.8	0.7	54	ND<0.68	1.1	6.2	0.79	4.0
	08/31/09		100%	OFF	12	540	0.0	13.7	3.2	39	ND<0.68	0.54	2.0	0.27	2.8
	09/10/09		OFF	OFF	15	-	-	-	-	-	-	-	-	-	-
	09/17/09		OFF	OFF	14	30	-	20.9	0.2	51	ND<2.7	1.3	8.8	0.59	4.2
	09/25/09		OFF	OFF	13	-	-	-	-	-	-	-	-	-	-
	10/02/09		OFF	OFF	14	-	-	-	-	-	-	-	-	-	-
	10/20/09		OFF	OFF	12	340	0.0	20.9	0.1	130	ND<2.7	5.2	15	1.8	13
	11/03/09		OFF	OFF	-	-	-	-	-	-	-	-	-	-	-
	12/11/09		OFF	OFF	13	250	0.0	20.9	0.0	160	ND<1.4	5.1	12	1.5	14
	04/20/10	1,2	OFF	100%	13	0	0.0	16.1	0.8	42	3.6	11	1.3	0.53	1.3
	04/28/10		100%	OFF	15	25	0.0	20.4	0.7	13	5.6	1.5	0.48	0.11	0.75
	05/05/10		OFF	100%	14	35	0.0	20.9	0.1	44	ND<2.0	2.4	21	1.7	9.0
	05/11/10		100%	100%	12	25	0.0	20.9	0.2	34	ND<0.68	0.55	3.0	0.37	1.9
	08/23/10		100%	100%	17	150	0.0	18.2	1.4	85	ND<3.0	2.6	18	1.2	6.6
	09/01/10		100%	100%	14	15	0.5	20.9	0.2	23	ND<0.68	0.41	2.3	0.22	1.1
	09/07/10		100%	100%	11.5	20	0.0	20.9	0.2	-	-	-	-	-	-
	09/07/10		100%	100%	11.5	1,200	0.5	20.4	0.3	-	-	-	-	-	-
	09/07/10		100%	100%	11.5	4,500	1.5	19.8	0.4	1,900	ND<25	11	12	0.67	3.8
	11/03/10		100%	100%	15.0	15	0.0	20.9	0.2	43	ND<0.68	0.33	2.1	0.23	1.4
	11/08/10		100%	100%	14.0	50	0.0	20.9	0.3	65	ND<0.68	0.42	2.6	0.24	1.6
	11/08/10		100%	100%	14.0	1,200	0.0	20.9	0.3	730	ND<10	6.6	8.1	0.45	3.0
	11/09/10		100%	100%	14.0	30	0.0	20.9	0.2	91	ND<5.0	0.95	2.6	0.22	1.9
	11/09/10		100%	100%	14.0	1,650	0.5	20.4	0.1	360	ND<10	2.3	3.4	0.21	2.0
	11/16/10		100%	100%	14.0	45	0.0	20.9	0.1	120	ND<0.68	0.71	3.5	0.39	4.8
	11/23/10		100%	100%	15.0	220	0.0	20.5	0.2	200	ND<1.4	1.0	4.2	0.24	3.5
	12/10/10		100%	100%	16.0	80	0.0	19.7	0.7	110	ND<0.68	0.92	3.9	0.37	3.0
	01/21/11		100%	100%	17.0	1,850	0.0	18.7	0.3	880	ND<15	5.5	11	1.1	5.5
	02/04/11	16	100%	100%	15.5	60	0.0	20.9	0.1	120	ND<0.68	0.19	1.2	0.15	5.7
	02/04/11		100%	100%	15.5	60	0.0	20.9	0.1	120	ND<0.68	0.19	1.2	0.15	5.7

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Vic's Auto, 245 8th Street, Oakland, California

Sample Port ID	Sample Date	Notes	Initial Valve Position	Final Valve Position	Manifold Vacuum (in-Hg)	Field Screening Data				Vapor Analytical Data					
						TVH (ppmv)	CH ₄ (%)	O ₂ (%)	CO ₂ (%)	TPH-g (ppmv)	MTBE (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylenes (ppmv)
MW-2S	08/10/07		100%	100%	21	-	-	-	-	11,000	ND<110	280	770	81	360
	09/28/07	1	100%	100%	20	5,900	2.5	20.6	0.4	5,100	ND<35	110	310	46	260
	10/17/07		100%	100%	21	1,450	1.0	20.9	0.1	1,900	ND<20	59	120	12	73
	11/16/07		100%	100%	21	4,600	2.5	20.7	0.5	5,800	ND<27	120	340	40	200
	12/26/07		100%	100%	18	2,600	1.5	20.9	0.4	3,100	ND<27	84	230	37	190
	01/22/08		100%	100%	18	1,000	0.5	17.7	0.6	3,000	ND<14	61	190	24	180
	02/07/08	5	100%	100%	21.5	1,000	0.5	20.9	0.2	-	-	-	-	-	-
	03/18/08		100%	100%	14.5	100	xx	20.9	0.6	1,400	2.3	17	51	13	81
	04/30/08		100%	OFF	18	190	0.0	20.7	0.5	1,900	ND<6.8	22	75	16	110
	05/29/08		OFF	OFF	19.5	-	-	-	-	-	-	-	-	-	-
	06/26/08		OFF	OFF	23	-	-	-	-	-	-	-	-	-	-
	07/30/08	7	OFF	OFF	17	100	0.0	20.3	0.6	-	-	-	-	-	-
	09/30/08		OFF	100%	16.5	160	0.0	16.7	1.8	220	ND<0.68	0.44	3.1	1.0	17
	11/04/08		100%	100%	13	6,800	1.5	11.8	3.1	3,800	ND<14	78	170	18	150
	12/02/08		100%	100%	10	3,200	0.5	18.3	0.9	3,200	ND<14	66	170	14	130
	01/06/09		100%	100%	11	1,950	0.5	17.7	1.6	3,400	ND<30	69	150	13	95
	02/09/09		100%	100%	12	900	0.0	16.4	1.4	1,100	ND<10	25	53	4.9	49
	03/18/09		100%	100%	10	30	0.0	20.9	0.0	130	ND<0.68	1.1	5.6	0.43	2.6
	04/21/09		100%	100%	11	15	0.0	17.1	1.4	130	ND<0.68	1.3	3.9	0.36	4.9
	05/19/09		100%	100%	11.5	190	0.0	12.6	3.5	460	ND<2.0	4.3	13	2.0	19
	08/31/09		100%	100%	12	980	0.0	8.5	5.1	1,800	ND<20	29	57	8.6	79
	09/10/09		100%	100%	15	1,700	0.5	15.3	3.2	2,000	ND<15	52	100	6.4	74
	09/17/09		100%	100%	14	2,400	0.5	19.8	1.6	2,700	ND<25	80	140	11	100
	09/25/09		100%	100%	13	2,500	0.5	20.0	1.2	2,900	ND<10	67	130	10	77
	10/02/09		100%	100%	14	2,800	0.5	20.2	1.1	2,800	ND<10	63	130	8.5	72
	10/20/09		100%	100%	13	2,900	1.0	19.8	1.3	3,000	ND<35	85	170	9.7	82
	11/03/09		100%	100%	14	2,450	0.5	20.2	1.0	2,500	ND<14	68	130	8.6	69
	12/11/09		100%	100%	13	1,400	0.0	9.2	4.4	1,600	ND<10	39	81	6.6	52
	04/20/10		100%	100%	13	20	0.0	15.1	1.0	91	ND<5.0	18	2.6	1.2	5.4
	04/28/10		100%	100%	15	0	0.0	18.8	1.3	18	6.4	1.3	0.62	0.25	1.1
	05/05/10		100%	100%	18	-	-	-	-	-	-	-	-	-	-
	05/11/10		100%	100%	12	230	0.0	20	1.4	350	ND<1.5	5.4	16	1.5	13
	08/23/10		100%	100%	17	220	0.0	11.4	2.9	640	ND<6.8	7.2	21	2.9	25
	09/01/10		100%	100%	14	50	0.0	20.5	0.3	180	ND<1.0	3.7	9.4	0.74	7.2
	09/07/10		100%	100%	11.5	150	0.0	20.2	1.1	-	-	-	-	-	-
	09/07/10		100%	100%	11.5	65	0.0	20	1.2	-	-	-	-	-	-
	11/03/10		100%	100%	15	20	0.0	20.3	1.2	650	ND<2.7	16	43	3.9	34
	11/08/10		100%	100%	14	420	0.0	20.1	1.5	970	ND<5.0	22	51	4.5	39
	11/08/10		100%	100%	14	450	0.0	20.2	1.3	1,000	ND<10	24	54	5.0	42
	11/09/10		100%	100%	14	500	0.0	20.0	1.2	990	ND<5.0	22	51	5.0	40
	11/09/10		100%	100%	14	600	0.0	19.7	1.1	1,000	ND<10	24	57	5.5	45
	11/16/10		100%	100%	14	650	0.0	20.2	1.0	1,400	ND<5.0	33	73	7.0	56
	11/23/10		100%	100%	15	620	0.0	19.9	1.0	1,300	ND<14	35	69	4.7	42
	12/10/10		100%	100%	16	950	0.0	10.8	3.4	1,500	ND<10	31	66	5.6	57
	01/21/11		100%	100%	17	100	0.0	15.8	1.8	460	ND<5.0	23	26	2.1	16
	03/02/11		100%	100%	18	180	0.0	20.9	0.3	980	ND<35	22	39	1.2	12
	04/07/11		100%	100%	17	220	0.0	16.6	1.7	790	ND<5.0	17	30	2.3	17
	05/04/11		100%	100%	10	80	0.0	20.6	0.6	160	ND<1.4	1.6	3.0	0.30	5.5
06/20/11	100%	100%	10	20	0.0	12.5	3.8	ND<7.0	ND<0.68	ND<0.077	0.10	ND<0.057	ND<0.057		

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Sample Port ID	Sample Date	Notes	Initial Valve Position	Final Valve Position	Manifold Vacuum (in-Hg)	Field Screening Data				Vapor Analytical Data					
						TVH (ppmv)	CH ₄ (%)	O ₂ (%)	CO ₂ (%)	TPH-g (ppmv)	MTBE (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylenes (ppmv)
MW-5S	08/10/07		100%	100%	21	-	-	-	-	54	ND<0.68	0.60	2.7	0.60	3.7
	09/28/07	1	100%	100%	20	8,000	5.5	20.2	0.3	3,800	ND<60	70	150	19	120
	10/17/07		100%	100%	21	880	0.5	20.9	0.1	1,100	ND<14	27	56	5.3	36
	11/16/07		100%	100%	21	4,600	3.0	20.0	0.7	3,800	ND<110	64	170	21	170
	12/26/07		100%	OFF	18	200	0.0	20.9	0.0	140	ND<0.68	0.45	3.7	1.5	14
	01/22/08		OFF	OFF	18	300	0.0	18.0	0.4	760	ND<4.5	3.3	16	2.4	28
	02/07/08	4	OFF	OFF	21.5	-	-	-	-	-	-	-	-	-	-
	03/18/08		OFF	OFF	14.5	0	xx	19.9	0.3	580	ND<2.7	3.0	24	4.2	39
	04/30/08		OFF	OFF	18	0	0.0	19.4	1.0	2,000	ND<10	18	56	5.7	63
	05/29/08		OFF	OFF	19.5	-	-	-	-	-	-	-	-	-	-
	06/26/08		OFF	OFF	23	-	-	-	-	-	-	-	-	-	-
	07/30/08	7	OFF	50%	17	1,000	0.0	14.0	2.8	-	-	-	-	-	-
	09/30/08		50%	100%	16.5	1,850	0.0	16.0	2.8	2,000	ND<14	27	61	6.2	87
	11/04/08		100%	100%	13	2,450	0.5	14.6	2.3	3,900	ND<27	30	100	6.1	150
	12/02/08		100%	100%	10	1,810	0.0	19.7	0.1	1,900	ND<27	ND<3.1	29	2.9	81
	01/06/09	8	100%	100%	11	1,350	0.0	17.3	0.3	-	-	-	-	-	-
	02/09/09		100%	100%	12	260	0.0	19.7	0.3	270	ND<4.5	2.4	7.5	0.90	23
	03/18/09		100%	100%	10	50	0.0	20.8	0.3	99	ND<2.0	2.1	6.0	0.76	6.2
	04/21/09		100%	100%	11	20	0.0	20.3	0.3	40	ND<1.0	1.1	4.0	0.51	4.4
	05/19/09		100%	100%	11.5	400	0.0	19.4	0.5	450	ND<3.0	1.7	6.8	0.71	5.6
	08/31/09		100%	100%	-	660	-	13.5	3.3	1,300	ND<10	9.6	21	3.0	54
	09/10/09		100%	100%	15	1,100	0.0	16.8	1.9	1,800	ND<6.8	18	49	4.0	110
	09/17/09		100%	100%	14	1,050	0.0	19.2	1.2	2,200	ND<6.8	19	66	6.6	160
	09/25/09		100%	100%	13	1,100	0.0	19.1	1.3	2,100	ND<2.7	11	44	5.9	110
	10/02/09		100%	100%	14	1,300	0.0	19.2	1.3	2,100	ND<2.7	9.4	35	4.9	100
	10/20/09		100%	100%	13	1,150	0.0	19.4	1.1	1,700	ND<5.0	6.3	28	2.9	88
	11/03/09		100%	100%	14	550	0.0	19.5	1.0	1,300	ND<2.7	4.7	24	2.0	82
	12/11/09		100%	100%	13	350	0.0	18.2	1.0	440	ND<2.7	2.6	9.8	1.8	26
	04/20/10		100%	100%	13	0	0.0	19.3	0.2	29	ND<0.68	1.3	2.9	0.55	3.2
	04/28/10		100%	100%	15	0	0.0	20.8	0.1	14	ND<0.68	0.60	1.3	0.15	0.98
	05/05/10		100%	100%	18	-	-	-	-	-	-	-	-	-	-
	05/11/10		100%	100%	12	30	0.0	20.4	0.5	110	ND<1.4	1.2	5.4	0.67	7.4
	08/23/10		100%	100%	17	160	0.0	14.5	1.1	100	ND<1.9	2.0	8.2	1.5	9.3
	09/01/10		100%	100%	14	20	0.0	20.3	0.4	59	ND<0.68	0.67	2.8	0.30	2.6
	09/07/10		100%	100%	11.5	50	0.0	20	0.7	-	-	-	-	-	-
	09/07/10		100%	100%	11.5	40	0.0	20	0.8	-	-	-	-	-	-
	11/03/10		100%	100%	15	70	0.0	20.4	0.6	230	ND<4.5	1.2	7.9	0.73	15
	11/08/10		100%	100%	14	120	0.0	20.7	0.7	300	ND<2.7	1.5	8.2	0.65	20
	11/08/10		100%	100%	14	100	0.0	20.6	0.5	310	ND<2.7	1.7	9.1	0.74	21
	11/09/10		100%	100%	14	110	0.0	20.4	0.5	300	ND<1.4	1.4	7.8	0.84	19
	11/09/10		100%	100%	14	110	0.0	20.0	0.5	340	ND<1.4	1.9	9.2	1.0	24
	11/16/10		100%	0%	14	190	0.0	20.4	0.6	400	ND<1.4	1.5	8.6	0.99	28
	12/10/10		0%	100%	16	150	0.0	17.8	1.6	310	ND<2.7	2.3	9.2	0.81	23
	01/21/11		100%	100%	17	250	0.0	18.8	0.2	140	ND<2.7	3.5	12	1.4	9.3
	03/02/11		100%	100%	18	75	0.0	20.9	0.3	380	ND<6.8	3.0	12	0.75	11
	04/07/11		100%	100%	17	55	0.0	20.9	0.2	43	ND<0.68	0.98	3.9	0.59	4.4
	05/04/11		100%	100%	10	0	0.0	20.9	0.0	18	ND<0.68	ND<0.077	0.22	ND<0.057	0.58
	06/20/11		100%	100%	10	10	0.0	15.4	2.3	ND<7.0	ND<0.68	ND<0.077	0.14	ND<0.057	ND<0.057

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Sample Port ID	Sample Date	Notes	Initial Valve Position	Final Valve Position	Manifold Vacuum (in-Hg)	Field Screening Data				Vapor Analytical Data					
						TVH (ppmv)	CH ₄ (%)	O ₂ (%)	CO ₂ (%)	TPH-g (ppmv)	MTBE (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylenes (ppmv)
MW-6S	08/10/07	1	100%	100%	21	-	-	-	-	5,800	ND<30	69	280	24	140
	09/28/07		100%	100%	20	>11,000	8.0	19.7	0.5	6,800	ND<60	100	360	34	190
	10/17/07		100%	100%	21	1,350	0.5	20.9	0.1	1,700	ND<10	24	90	9.7	79
	11/16/07		100%	100%	21	6,300	4.5	19.2	1.0	6,400	ND<27	56	270	40	310
	12/26/07		100%	100%	18	4,600	2.5	18.5	1.3	4,200	ND<27	21	96	14	180
	01/22/08		100%	100%	18	1,050	0.5	15.6	1.0	1,900	ND<14	11	74	13	100
	02/07/08		-	-	21.5	-	-	-	-	-	-	-	-	-	-
	03/18/08		100%	100%	14.5	15	xx	20.5	0.1	230	ND<1.4	1.2	9.2	2.4	16
	04/30/08		100%	OFF	18	140	0.0	20.7	0.7	760	ND<6.8	3.5	18	3.2	36
	05/29/08		OFF	OFF	19.5	-	-	-	-	-	-	-	-	-	-
	06/26/08		OFF	100%	23	210	0.0	19.8	0.4	400	ND<10	2.0	18	3.1	24
	07/30/08	7	100%	100%	17	270	0.0	20.2	0.7	460	ND<4.5	1.7	14	2.2	19
	09/30/08		100%	100%	16.5	570	0.0	17.4	2.0	640	ND<14	7.7	42	3.7	31
	11/04/08		100%	100%	13	580	0.0	17.4	1.2	900	ND<2.7	4.6	21	4.6	46
	12/02/08		100%	100%	10	460	0.0	20.6	0.3	710	ND<14	3.2	13	1.4	30
	01/06/09		100%	100%	11	280	0.0	19.9	0.4	520	ND<14	4.1	17	2.3	32
	02/09/09		100%	100%	12	80	0.0	20.9	0.1	60	ND<0.68	1.4	3.4	0.49	8.2
	03/18/09		100%	100%	10	70	0.0	20.9	0.0	61	ND<3.0	1.3	1.7	0.38	4.0
	04/21/09		100%	100%	11	10	0.0	20.9	0.0	18	0.98	0.41	0.47	0.13	1.4
	05/19/09		100%	100%	11	-	-	-	-	20	ND<0.68	0.59	0.98	0.17	2.1
	08/31/09		100%	OFF	12	170	0.0	18.9	0.9	330	ND<2.7	5.5	27	3.7	26
	09/10/09		OFF	OFF	15	-	-	-	-	-	-	-	-	-	-
	09/17/09		OFF	OFF	14	560	0.0	19.6	0.3	370	ND<3.0	1.9	6.9	1.4	9.2
	09/25/09		OFF	OFF	13	-	-	-	-	-	-	-	-	-	-
	10/02/09		OFF	OFF	14	-	-	-	-	-	-	-	-	-	-
	10/20/09		OFF	OFF	12	80	0.0	20.9	0.0	78	ND<0.68	0.69	2.7	1.7	9.5
	11/03/09		OFF	OFF	-	-	-	-	-	-	-	-	-	-	-
	12/11/09		OFF	OFF	13	50	0.0	20.9	0.0	29	ND<0.68	0.20	1.1	0.30	3.1
	04/20/10	16	OFF	100%	13	210	0.0	9.6	3.0	450	ND<25	46	29	6.7	37
	04/28/10		100%	100%	15	150	0.0	20.4	0.9	250	ND<15	7.4	31	6.8	39
	05/05/10		100%	100%	18	110	0.0	20.2	0.8	240	ND<6.8	3.9	11	1.1	7.4
	05/11/10		100%	100%	12	0	0.0	20.9	0.0	13	ND<0.68	0.13	0.56	0.089	0.97
	08/23/10		100%	100%	17	680	0.0	12.5	2.1	1,100	ND<14	34	170	22	100
	09/01/10		100%	100%	14	35	0.0	20.5	0.3	110	ND<1.4	1.8	6.2	1.8	9.8
	09/07/10		100%	100%	11.5	110	0.0	19.3	1.4	-	-	-	-	-	-
	09/07/10		100%	100%	11.5	200	0.0	19	1.6	-	-	-	-	-	-
	11/03/10		100%	100%	15	120	0.0	19	1.6	320	ND<6.8	1.9	9.9	3.3	18
	11/08/10		100%	100%	14	200	0.0	19.3	1.6	430	ND<4.5	2.1	10	2.5	14
	11/08/10		100%	100%	14	230	0.0	19.1	1.4	490	ND<2.7	2.3	11	2.6	16
	11/09/10		100%	100%	14	230	0.0	19.1	1.4	500	ND<2.7	2.4	12	2.8	17
	11/09/10		100%	100%	14	1,450	0.0	18.7	1.3	710	ND<10	2.7	12	2.4	15
	11/16/10		100%	100%	14	390	0.0	19.0	1.3	850	ND<2.7	3.4	16	2.6	22
	11/23/10		100%	100%	15	580	0.0	18.4	1.4	1,000	ND<2.7	3.5	19	2.4	21
	12/10/10		100%	100%	16	300	0.0	15.1	2.3	580	ND<4.5	4.5	18	5.3	29
	01/21/11		100%	100%	17	640	0.0	17.6	0.8	440	ND<4.5	4.7	10	3.6	20
	02/04/11		100%	100%	15.5	90	0.0	19.8	0.8	240	ND<1.4	2.2	8.3	2.0	18
	02/04/11		100%	100%	15.5	85	0.0	19.8	0.7	240	ND<10	2.1	7.4	2.0	17
	03/02/11		100%	100%	18.0	50	0.0	20.9	0.4	160	ND<4.5	2.1	7.9	0.68	8.6
	04/07/11		100%	100%	17.0	50	0.0	20.9	0.3	49	ND<1.0	0.96	3.3	1.0	6.5
	05/04/11		100%	100%	10.0	0	0.0	20.9	0.1	8.3	ND<0.68	0.081	0.36	0.16	0.80
	06/20/11		100%	100%	10.0	0	0.0	14.9	2.5	ND<7.0	ND<0.68	ND<0.077	0.12	ND<0.057	ND<0.057

TABLE 5: HVDPE VAPOR ANALYTICAL & FIELD SCREENING DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Sample Port ID	Sample Date	Notes	Initial Valve Position	Final Valve Position	Manifold Vacuum (in-Hg)	Field Screening Data				Vapor Analytical Data					
						TVH (ppmv)	CH ₄ (%)	O ₂ (%)	CO ₂ (%)	TPH-g (ppmv)	MTBE (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylenes (ppmv)
MW-7S	08/10/07	1	100%	100%	21	-	-	-	-	19,000	ND<450	620	590	27	100
	09/28/07		100%	100%	20	11,000	19	20.0	0.5	13,000	ND<150	350	630	69	370
	10/17/07		100%	100%	21	0	0.0	20.9	0.0	390	ND<14	27	60	6.0	51
	11/16/07		100%	50%	21	10,000	8.0	20.5	0.4	7,700	ND<45	170	390	47	280
	12/26/07		50%	100%	18	5,500	3.0	20.4	0.5	4,700	ND<45	100	220	27	190
	01/22/08		100%	100%	18	2,050	1.0	18.2	0.4	3,900	ND<14	69	200	20	210
	02/07/08		-	-	21.5	-	-	-	-	-	-	-	-	-	-
	03/18/08		100%	100%	14.5	390	xx	20.2	0.3	2,000	ND<5.0	25	81	11	78
	04/30/08		100%	OFF	18	600	1.0	19.0	1.2	4,100	ND<14	66	150	15	150
	05/29/08		OFF	OFF	19.5	-	-	-	-	-	-	-	-	-	-
	06/26/08		OFF	100%	23	5,200	1.5	15.8	2.7	4,800	ND<30	56	71	4.0	110
	07/30/08	7	100%	100%	17	2,750	0.5	18.3	1.7	-	-	-	-	-	-
	09/30/08		100%	100%	16.5	4,200	1.0	12.6	5.9	2,800	ND<30	57	72	4.2	110
	11/04/08		100%	100%	13	9,100	1.5	7.5	3.5	4,100	ND<14	53	87	4.3	130
	12/02/08		100%	100%	10	4,350	0.5	19.5	1.1	3,900	ND<27	44	89	4.1	110
	01/06/09		100%	100%	11	3,150	0.5	15.4	2.3	2,000	ND<4.5	19	43	3.0	77
	02/09/09		100%	100%	12	1,050	0.0	13.4	2.5	1,100	ND<10	19	21	1.8	34
	03/18/09		100%	100%	10	440	0.0	15.3	2.7	690	ND<14	28	22	1.9	17
	04/21/09		100%	100%	11	30	0.0	20.4	1.3	53	4.5	2.7	2.2	0.28	3.0
	05/19/09		100%	100%	11.5	490	0.0	9.2	5.2	890	ND<14	29	33	1.8	20
	08/31/09		100%	100%	12	1,450	0.0	9.3	8.2	1,900	ND<30	52	37	3.0	64
	09/10/09		100%	100%	15	3,800	0.0	10.6	4.2	3,100	ND<20	68	71	3.8	130
	09/17/09		100%	100%	14	7,000	2.0	18.8	1.8	5,200	ND<35	120	140	9.0	200
	09/25/09		100%	100%	13	7,600	2.0	18.8	1.6	5,500	ND<25	89	130	8.0	150
	10/02/09		100%	100%	14	8,050	2.0	18.8	1.6	5,300	ND<35	100	160	11	210
	10/20/09		100%	100%	13	5,450	1.5	18.8	1.7	3,800	ND<40	63	110	6.9	120
	11/03/09		100%	100%	14	3,900	1.0	19.0	1.5	3,800	ND<20	42	87	6.3	140
	12/11/09		100%	100%	13	1,250	0.0	9.5	7.0	1,300	ND<5.0	20	50	11	63
	04/20/10		100%	100%	13	220	0.0	8.2	6.3	540	ND<25	36	21	5.3	31
	04/28/10		100%	100%	15	220	0.0	19.0	1.7	720	ND<25	15	20	1.3	18
	05/05/10		100%	100%	18	440	0.0	19.3	1.5	1,000	ND<35	21	28	1.3	16
	05/11/10		100%	100%	12	740	0.0	18.2	2.2	1,800	ND<14	25	42	2.7	29
	08/23/10		100%	100%	17	300	0.0	12.6	3.5	820	ND<2.7	26	18	2.2	15
	09/01/10		100%	100%	14	85	0.0	20.5	0.4	450	ND<2.0	4.8	6.9	0.33	5.2
	09/07/10		100%	100%	11.5	880	0.0	18.2	2.3	-	-	-	-	-	-
	09/07/10		100%	100%	11	950	0.5	18	2.4	-	-	-	-	-	-
	11/03/10		100%	100%	15	790	0.5	18.1	2.3	1,400	ND<6.8	18	31	1.5	24
	11/08/10		100%	100%	14	1,150	0.0	18.7	1.9	2,100	ND<10	19	29	1.6	29
	11/08/10		100%	100%	14	1,150	0.0	18.7	1.8	2,000	ND<15	17	28	1.4	29
	11/09/10		100%	100%	14	1,500	0.0	18.5	1.8	2,100	ND<10	21	32	1.5	30
	11/09/10		100%	100%	14	>11,000	13.5	15.4	2.4	4,700	ND<120	46	44	2.0	34
	11/16/10		100%	100%	14	2,200	0.5	18.8	1.5	2,800	ND<10	28	48	5.5	96
	11/23/10		100%	100%	15	9,250	2.5	17.6	1.8	3,500	ND<30	38	48	2.4	47
	12/10/10		100%	100%	16	>11,000	7.5	9.4	5.1	2,700	ND<25	42	46	3.3	44
	01/21/11	16	100%	100%	17	>11,000	7.0	16.1	2.7	5,800	ND<75	92	120	9.7	56
	02/04/11		100%	100%	15.5	390	0.0	20.6	0.4	1,100	ND<30	13	29	3.9	75
	02/04/11		100%	100%	15.5	2,400	0.0	17.1	1.0	3,300	ND<15	25	46	3.1	77
	03/02/11		100%	100%	18	150	0.0	20.8	0.4	390	ND<10	5.2	10	0.64	8.6
	04/07/11		100%	100%	17	120	0.0	18.4	0.2	120	ND<2.0	4.2	3.9	0.74	5.3
	05/04/11		100%	100%	10	0	0.0	20.9	0.1	12	ND<0.68	0.29	0.26	0.061	0.53
	06/20/11		100%	100%	10	15	0.0	14.7	2.6	12	ND<0.68	0.23	ND<0.057	0.22	

TABLE 5: HVDPE VAPOR ANALYTICAL & FIELD SCREENING DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Sample Port ID	Sample Date	Notes	Initial Valve Position	Final Valve Position	Manifold Vacuum (in-Hg)	Field Screening Data				Vapor Analytical Data					
						TVH (ppmv)	CH ₄ (%)	O ₂ (%)	CO ₂ (%)	TPH-g (ppmv)	MTBE (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylenes (ppmv)
MW-10S	11/21/07	7	100%	100%	19	>44,000	43.0	17.0	2.2	28,000	ND<68	300	800	63	230
	12/26/07		100%	100%	18	3,900	2.5	19.4	0.5	6,300	ND<14	55	350	64	300
	01/22/08		100%	100%	16.5	1,850	0.5	16.1	0.5	4,700	ND<14	38	230	49	310
	02/07/08		-	-	-	-	-	-	-	-	-	-	-	-	-
	03/18/08		100%	100%	14.5	270	xx	19.0	0.9	2,100	ND<14	13	73	31	190
	04/30/08		100%	100%	18	310	0.5	19.6	0.9	2,500	ND<14	11	76	33	230
	05/29/08		100%	100%	18	1,750	0.0	19.6	0.8	1,800	ND<6.8	13	47	17	120
	06/26/08		100%	100%	23	370	0.0	20.7	0.1	780	ND<1.4	4.1	15	4.9	38
	07/30/08		100%	100%	17	1,050	0.0	20.3	0.8	1,600	ND<14	16	50	9.5	95
	09/30/08		100%	OFF	16.5	640	0.0	20.9	0.4	690	ND<4.0	10	29	5.1	53
	11/04/08		OFF	100%	13	1,900	0.5	13.0	2.5	2,300	ND<14	36	89	8.1	120
	12/02/08		100%	100%	10	1,550	0.0	20.3	0.6	1,500	ND<14	26	73	8.4	71
	01/06/09		100%	100%	11	1,150	0.0	18.2	1.2	2,200	ND<15	31	64	6.7	64
	02/09/09		100%	100%	12	310	0.0	17.8	0.7	400	ND<2.7	5.6	12	1.1	21
	03/18/09		100%	100%	10	130	0.0	18.7	0.7	220	ND<10	8.9	7.7	1.4	10
	04/21/09		100%	100%	11	110	0.0	16.9	1.0	240	ND<5.0	4.4	5.7	0.98	9.6
	05/19/09		100%	100%	11.5	75	0.0	12.2	2.3	370	ND<5.0	4.9	7.7	1.2	13
	08/31/09		100%	100%	12	650	-	8.3	0.0	1,700	ND<10	18	22	4.4	67
	09/10/09		100%	100%	15	730	0.0	15.9	2.6	1,600	ND<10	29	63	5.3	75
	09/17/09		100%	100%	14	1,300	0.0	19.4	1.5	1,900	ND<15	40	82	7.2	85
	09/25/09		100%	100%	13	450	0.0	19.7	1.2	2,400	ND<10	37	81	8.1	72
	10/02/09		100%	100%	14	2,150	0.0	19.6	1.1	1,700	ND<20	38	79	6.6	76
	10/20/09		100%	100%	13	2,000	0.5	19.4	1.3	2,200	ND<20	47	97	7.2	65
	11/03/09		100%	100%	14	1,400	0.0	19.3	1.3	2,300	ND<10	39	85	6.5	72
	12/11/09		100%	100%	13	1,250	0.0	7.1	4.2	1,500	ND<14	24	40	3.0	37
	04/20/10		100%	100%	13	50	0.0	15.4	0.9	140	ND<5.0	23	4.6	2.0	11
	04/28/10		100%	100%	15	110	0.0	18.6	1.5	310	ND<3.0	4.5	6.1	0.55	7.5
	05/05/10		100%	100%	18	120	0.0	19.6	0.9	-	-	-	-	-	-
	05/11/10		100%	100%	12	25	0.0	19.4	1.0	190	ND<0.68	3.0	5.6	0.66	7.3
	08/23/10		100%	100%	17	85	0.0	6.8	3.1	430	ND<6.8	3.6	8.4	1.1	8.0
	09/01/10		100%	100%	14	35	0.0	20.3	0.4	270	ND<0.68	2.5	5.6	0.34	5.2
	09/07/10		100%	100%	11.5	180	0.0	18	1.9	-	-	-	-	-	-
	09/07/10		100%	100%	11.5	510	0.0	18.4	1.6	-	-	-	-	-	-

TABLE 5: HVDPE VAPOR ANALYTICAL & FIELD SCREENING DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Sample Port ID	Sample Date	Notes	Initial Valve Position	Final Valve Position	Manifold Vacuum (in-Hg)	Field Screening Data				Vapor Analytical Data					
						TVH (ppmv)	CH ₄ (%)	O ₂ (%)	CO ₂ (%)	TPH-g (ppmv)	MTBE (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylenes (ppmv)
MW-11S	11/21/07	7	100%	50%	19	36,600	26.5	19.2	2.2	20,000	ND<68	240	640	63	240
	12/26/07		50%	100%	18	1,350	0.5	20.9	0.2	3,400	ND<75	50	220	50	230
	01/22/08		100%	100%	16.5	1,000	0.0	19.3	0.2	3,000	ND<30	81	190	39	230
	02/07/08		-	-	-	-	-	-	-	-	-	-	-	-	-
	03/18/08		100%	100%	14.5	130	xx	20.0	0.3	1,700	ND<14	26	66	26	150
	04/30/08		100%	100%	18	120	0.0	20.9	0.2	600	ND<5.0	6.7	23	5.9	49
	05/29/08		100%	100%	18	950	0.0	20.9	0.3	1,800	ND<30	24	47	18	120
	06/26/08		100%	100%	23	480	0.0	20.9	0.1	940	ND<15	12	28	8.4	57
	07/30/08		100%	100%	17	980	0.0	20.9	0.3	1,600	ND<30	22	50	13	100
	09/30/08		100%	OFF	16.5	510	0.0	20.9	0.2	490	ND<10	11	22	3.8	40
	11/04/08		OFF	100%	13	360	0.0	16.5	1.4	820	ND<20	22	21	5.2	57
	12/02/08		100%	100%	10	320	0.0	20.9	0.2	1,400	ND<35	23	57	6.3	73
	01/06/09		100%	100%	11	790	0.0	18.9	0.6	1,200	ND<20	29	53	5.7	56
	02/09/09		100%	100%	12	380	0.0	17.6	0.8	500	ND<6.0	14	18	2.3	28
	03/18/09		100%	100%	10	280	0.0	17.3	1.2	400	ND<3.0	48	18	3.4	20
	04/21/09		100%	100%	11	210	0.0	16.9	1.2	460	ND<20	32	20	3.3	31
	05/19/09		100%	100%	11.5	200	0.0	15.5	1.5	80	ND<3.0	5.1	3.2	0.58	6.7
	08/31/09		100%	100%	12	360	-	9.1	3.5	1,000	ND<20	36	17	3.7	63
	09/10/09		100%	100%	15	420	0.0	17.7	1.5	870	ND<30	38	32	5.7	68
	09/17/09		100%	100%	14	490	0.0	20.6	0.7	890	ND<25	27	39	4.1	63
	09/25/09		100%	100%	13	510	0.0	20.6	0.5	840	ND<30	19	31	2.6	33
	10/02/09		100%	100%	14	820	0.0	20.6	0.5	880	ND<15	22	40	3.9	55
	10/20/09		100%	100%	13	750	0.0	20.4	0.6	800	ND<15	20	32	3.4	39
	11/03/09		100%	100%	14	400	0.0	20.7	0.4	820	ND<10	16	30	2.6	42
	12/11/09		100%	100%	13	350	0.0	13.0	2.5	660	ND<6.8	19	19	2.2	28
	04/20/10		100%	100%	13	140	0.0	9.0	2.4	440	16	77	12	4.7	30
	04/28/10		100%	OFF	15	80	0.0	20.8	0.5	150	15	15	4.9	1.6	9.4
	05/05/10		OFF	OFF	18	-	-	-	-	-	-	-	-	-	-
	05/11/10		OFF	OFF	12	-	-	-	-	-	-	-	-	-	-
	08/23/10		OFF	OFF	17	-	-	-	-	-	-	-	-	-	-
	09/01/10		OFF	OFF	11.5	-	-	-	-	-	-	-	-	-	-

TABLE 5: HVDPE VAPOR ANALYTICAL & FIELD SCREENING DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Sample Port ID	Sample Date	Notes	Initial Valve Position	Final Valve Position	Manifold Vacuum (in-Hg)	Field Screening Data				Vapor Analytical Data					
						TVH (ppmv)	CH ₄ (%)	O ₂ (%)	CO ₂ (%)	TPH-g (ppmv)	MTBE (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylenes (ppmv)
MW-12S	11/21/07	7	50%	50%	19	110	0.0	20.9	0.7	1,400	ND<100	87	51	10	40
	12/26/07		50%	50%	18	720	0.0	20.9	0.1	1,200	ND<45	27	100	13	74
	01/22/08		100%	100%	16.5	630	0.0	19.3	0.2	1,100	ND<45	14	50	8.4	65
	02/07/08		-	-	-	-	-	-	-	-	-	-	-	-	-
	03/18/08		100%	100%	14.5	0	xx	20.9	0.0	460	ND<30	42	32	4.2	36
	04/30/08		100%	100%	18	65	0.0	20.9	0.2	390	5	8.8	17	3.9	30
	05/29/08		100%	100%	18	150	0.0	20.9	0.3	490	ND<10	14	23	4.4	30
	06/26/08		100%	100%	23	140	0.0	20.9	0.1	300	4.1	5.1	14	2.6	22
	07/30/08		100%	100%	17	240	0.0	20.9	0.3	450	ND<5.0	4.5	20	3.8	32
	09/30/08		100%	OFF	16.5	190	0.0	20.9	0.2	230	ND<5.0	3.9	12	2.2	28
	11/04/08		OFF	100%	13	140	0.0	18	0.8	260	ND<5.0	6.5	7.4	1.2	14
	12/02/08		100%	100%	10	150	0.0	20.5	0.6	660	ND<5.0	7.3	29	4.5	66
	01/06/09		100%	100%	11	380	0.0	20.3	0.4	490	ND<6.8	9.1	18	2.2	37
	02/09/09		100%	100%	12	70	0.0	20.1	0.3	110	ND<5.0	4.2	4.0	0.58	8.1
	03/18/09		100%	100%	10	25	0.0	20.9	0.2	98	ND<5.0	7.6	4.2	0.53	2.5
	04/21/09		100%	100%	11	30	0.0	20.6	0.5	40	3.4	6.5	2.1	0.41	2.0
	05/19/09		100%	100%	11.5	20	0.0	19.2	0.7	52	ND<3.0	4.7	1.8	0.47	3.5
	08/31/09		100%	OFF	12	20	-	16.0	1.4	130	ND<3.0	3.9	3.0	0.67	8.0
	09/10/09		OFF	OFF	15	-	-	-	-	-	-	-	-	-	-
	09/17/09		OFF	OFF	14	20	-	20.8	0.4	24	ND<2.0	1.7	1.8	0.18	1.9
	09/25/09		OFF	OFF	13	-	-	-	-	-	-	-	-	-	-
	10/02/09		OFF	OFF	14	-	-	-	-	-	-	-	-	-	-
	10/20/09		OFF	OFF	12	20	0.0	20.9	0.2	120	ND<1.4	4.2	7.9	0.70	8.6
	11/03/09		OFF	OFF	-	-	-	-	-	-	-	-	-	-	-
	12/11/09		OFF	OFF	13	35	0.0	17.8	0.6	60	ND<1.0	2.6	4.4	0.45	5.6
	04/20/10		OFF	100%	13	0	0.0	16.2	0.8	46	2.9	5.0	1.1	0.62	3.7
	04/28/10		100%	OFF	15	15	0.0	20.8	0.5	31	5.5	3.5	0.54	0.44	1.6
	05/05/10		OFF	OFF	18	-	-	-	-	-	-	-	-	-	-
	05/11/10		OFF	OFF	12	-	-	-	-	-	-	-	-	-	-
	08/23/10		OFF	OFF	17	-	-	-	-	-	-	-	-	-	-
	09/01/10		OFF	OFF	11.5	-	-	-	-	-	-	-	-	-	-

TABLE 5: HVDPE VAPOR ANALYTICAL & FIELD SCREENING DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Sample Port ID	Sample Date	Notes	Initial Valve Position	Final Valve Position	Manifold Vacuum (in-Hg)	Field Screening Data				Vapor Analytical Data					
						TVH (ppmv)	CH ₄ (%)	O ₂ (%)	CO ₂ (%)	TPH-g (ppmv)	MTBE (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylenes (ppmv)
AS	10/17/07	7	100%	100%	-	0	0.0	20.9	0.0	130	ND<1.4	4.3	11	1.4	12
	11/08/07		100%	100%	-	0	0.0	20.9	0.0	19	ND<0.68	0.60	1.8	0.18	3.2
	01/15/08		100%	100%	-	-	-	-	-	1,100	19	31	100	17	180
	01/31/08		100%	100%	-	-	-	-	-	69	ND<4.5	1.7	5.0	0.81	11
	02/07/08		100%	100%	-	0	0.0	20.9	0.0	31	1.4	0.47	1.5	0.21	4.1
	03/18/08		100%	100%	-	-	-	-	-	31	0.71	0.60	1.8	0.34	3.2
	04/30/08		100%	100%	-	10	0.0	20.9	0.0	37	ND<0.68	0.36	1.4	0.34	4.1
	05/29/08		100%	100%	-	60	0.0	20.9	0.0	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	0.16
	06/26/08		100%	100%	-	10	0.0	20.9	0.0	44	0.97	0.89	2.5	0.54	6.3
	07/30/08		100%	100%	-	0	0.0	20.9	0.0	41	ND<1.4	0.81	2.2	0.20	4.2
	09/30/08		100%	100%	-	0	0.0	20.9	0.0	-	-	-	-	-	-
	11/04/08		100%	100%	-	0	0.0	20.9	0.1	21	ND<0.68	0.38	0.91	0.13	2.6
	12/02/09		100%	100%	-	0	0.0	20.9	0.1	10	ND<0.68	ND<0.077	0.22	ND<0.057	0.79
	01/06/09		100%	100%	-	0	0.0	20.9	0.1	150	ND<1.5	1.9	6.9	1.1	22
	02/09/09		100%	100%	-	15	0.0	20.9	0.0	18	ND<0.68	0.28	0.57	0.078	1.5
	03/18/09		100%	100%	-	0	0.0	20.9	0.0	ND<7.0	ND<0.68	ND<0.077	0.085	ND<0.057	0.15
	04/21/09		100%	100%	-	0	0.0	20.9	0.0	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	05/19/09		100%	100%	-	0	0.0	20.9	0.0	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	08/31/09		100%	100%	-	0	0.0	20.9	0.0	ND<7.0	ND<0.68	ND<0.077	0.096	ND<0.057	0.24
	09/10/09		100%	100%	-	0	0.0	20.9	0.0	-	-	-	-	-	-
	09/17/09		100%	100%	-	0	0.0	20.9	0.0	-	-	-	-	-	-
	09/25/09		100%	100%	-	0	0.0	20.9	0.0	-	-	-	-	-	-
	10/02/09		100%	100%	-	0	0.0	20.9	0.0	7.3	ND<1.0	0.27	0.57	ND<0.057	0.93
	10/20/09		100%	100%	-	-	-	-	-	-	-	-	-	-	-
	11/03/09		100%	100%	-	0	0.0	20.9	0.0	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	12/11/09		100%	100%	-	-	-	-	-	-	-	-	-	-	-
	04/20/10		100%	100%	-	0	0.0	20.9	0.0	11	0.91	0.69	1.2	0.18	1.1
	08/23/10		100%	100%	-	-	-	-	-	-	-	-	-	-	-
	09/01/10		100%	100%	-	5	0.0	20.9	0.0	ND<7.0	ND<0.68	0.096	0.26	ND<0.057	0.51
	11/23/10		100%	100%	-	0	0.0	20.9	0.0	ND<7.0	ND<0.68	0.093	0.20	ND<0.057	0.37
	01/21/11		100%	100%	-	10	0.0	20.9	0.0	11	ND<0.68	0.41	0.69	0.12	0.90
	02/18/11		100%	100%	-	0	0.0	20.9	0.0	9.5	ND<0.68	0.11	0.66	0.083	1.6
	03/18/11		100%	100%	-	0	0.0	20.9	0.0	11	ND<0.68	0.13	0.51	0.092	2.1
	04/22/11		100%	100%	-	-	-	-	-	14	ND<0.68	0.092	0.43	0.13	1.7
	05/20/11		100%	100%	-	0	0.0	20.9	0.0	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	06/20/11		-	-	-	-	-	-	-	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057

TABLE 5: HVDPE VAPOR ANALYTICAL & FIELD SCREENING DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Sample Port ID	Sample Date	Notes	Initial Valve Position	Final Valve Position	Manifold Vacuum (in-Hg)	Field Screening Data				Vapor Analytical Data					
						TVH (ppmv)	CH ₄ (%)	O ₂ (%)	CO ₂ (%)	TPH-g (ppmv)	MTBE (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylenes (ppmv)
INF	06/28/07	1	-	-	18.5	-	-	-	-	-	-	-	-	-	
	07/11/07		-	-	21.5	10,750	-	-	-	6,600	ND<90	180	340	39	190
	07/27/07		-	-	20	>11,000	-	-	-	11,000	ND<75	170	330	38	160
	08/01/07		-	-	19	6,000	9.1	18.5	1.1	5,500	ND<70	140	250	16	71
	08/10/07		-	-	21	-	-	-	-	7,700	ND<90	210	410	41	190
	09/28/07		-	-	20	5,700	3.5	20.7	0.3	4,000	ND<50	90	170	9.3	42
	10/17/07		-	-	21	9,050	-	-	-	5,100	ND<60	130	210	8.6	51
	11/08/07		-	-	21	0	0.0	20.9	0.0	4,000	ND<0.68	0.35	2.2	0.68	6.6
	11/16/07		-	-	21	3,050	2.0	20.7	0.4	3,700	ND<120	63	170	20	120
	11/16/07		-	-	21	6,100	4.5	20.3	0.7	6,000	ND<27	100	250	27	170
	11/21/07		-	-	19	12,000	13.5	19.4	1.2	2,500	ND<14	39	120	16	79
	12/04/07		-	-	20	10,500	9.5	18.8	0.9	7,900	ND<32	120	340	48	280
	12/26/07		-	-	18	3,650	2.0	20.9	0.5	4,100	ND<27	72	250	42	270
	01/08/08	3	-	-	18	-	-	-	-	-	-	-	-	-	
	01/15/08		-	-	19	710	0.0	20.0	0.3	1,900	ND<14	29	89	16	100
	01/22/08		-	-	18	800	0.0	17.8	0.5	1,900	ND<14	34	100	13	100
	01/31/08		-	-	21	1,250	0.5	20.9	0.5	2,200	ND<14	36	120	19	160
	02/07/08		-	-	21.5	700	0.0	20.9	0.4	2,000	ND<35	34	110	10	130
	03/18/08		-	-	14.5	160	xx	15.3	0.9	630	ND<3.0	7.0	25	5.6	38
	04/30/08		-	-	18	280	0.5	20.2	0.0	2,100	ND<5.0	20	63	16	120
	05/29/08	7	-	-	19.5	1,500	0.0	19.6	0.8	2,100	ND<10	21	45	18	120
	06/26/08		-	-	23	280	0.5	20.2	0.0	860	ND<5.0	11	27	6.5	50
	07/30/08		-	-	17	1,350	0.0	19.3	1.1	2,200	ND<6.8	24	62	10	90
	09/30/08		-	-	16.5	1,650	0.5	16.1	1.8	1,100	ND<10	20	42	8.2	78
	11/04/08		-	-	13	2,500	0.5	16.1	1.8	2,700	ND<10	31	77	9.3	130
	12/02/08		-	-	10	1,100	0.0	20.5	0.6	2,200	ND<5.0	27	80	8.7	130

TABLE 5: HVDPE VAPOR ANALYTICAL & FIELD SCREENING DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Sample Port ID	Sample Date	Notes	Initial Valve Position	Final Valve Position	Manifold Vacuum (in-Hg)	Field Screening Data				Vapor Analytical Data					
						TVH (ppmv)	CH ₄ (%)	O ₂ (%)	CO ₂ (%)	TPH-g (ppmv)	MTBE (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylenes (ppmv)
INF Cont.	01/06/09		-	-	11	1,300	0.0	18.4	1.2	1,200	ND<80	21	58	5.7	78
	02/09/09		-	-	12	880	0.0	15.6	1.5	1,200	ND<10	17	31	3.1	46
	03/18/09		-	-	10	60	0.0	20.8	0.4	130	ND<0.68	5.2	11	1.2	7.1
	04/21/09		-	-	11	35	0.0	19.9	0.3	58	ND<1.4	1.9	3.5	0.44	3.7
	05/19/09		-	-	11.5	100	0.0	19.2	0.8	190	ND<2.7	3.4	7.3	0.95	8.0
	08/31/09		-	-	12	400	-	13.8	26	870	ND<4.5	11	21	3.0	29
	09/10/09		-	-	15	1,650	0.5	15.9	2.5	1,700	ND<20	34	62	5.8	110
	09/17/09	8	-	-	14	1,950	0.5	19.4	1.4	2,600	ND<20	52	100	7.5	140
	09/17/09	9	-	-	7	520	0.0	20.3	0.5	-	-	-	-	-	-
	09/25/09		-	-	13	2,450	0.5	19.6	1.2	2,700	ND<6.8	36	80	6.6	91
	10/02/09		-	-	14	2,200	0.0	19.6	1.1	2,400	ND<20	43	85	8.3	110
	10/20/09	10	-	-	13	2,200	0.5	19.6	1.2	2,500	ND<20	38	80	6.7	110
	10/20/09	11	-	-	12	930	0.0	20.9	0.3	590	ND<5.0	7.7	19	2.0	30
	11/03/09		-	-	14	1,450	0.5	20.9	1.0	2,000	ND<10	27	58	4.5	71
	12/11/09	12	-	-	13	380	0.0	14.7	2.2	690	ND<2.7	10	20	2.0	25
	12/11/09	13	-	-	13	1,050	0.0	18.9	1.5	-	-	-	-	-	-
	12/16/09	14	-	-	13	1,200	0.0	20.1	1.2	1,200	ND<14	35	72	5.1	52
	04/20/10		-	-	13	140	0.0	16.5	1.4	240	ND<5.0	17	21	3.3	17
	04/28/10		-	-	15	65	0.0	20.9	0.5	120	ND<5.0	5.1	7.0	0.90	5.9
	04/29/10		-	-	20	150	0.0	19.3	1.3	300	ND<14	9.1	20	3.0	18
	05/05/10		-	-	18	210	0.0	19.7	1.2	340	ND<10	6.5	15	1.3	12
	05/11/10		-	-	12	60	0.0	20.9	0.5	160	ND<1.4	2.1	6.2	0.64	5.0
	08/23/10		-	-	17	150	0.0	16.8	1.7	220	ND<2.7	4.8	19	2.1	12
	09/01/10		-	-	14	35	0.0	20.9	0.1	110	ND<0.68	1.2	3.4	0.59	4.4
	09/07/10		-	-	11.5	50	0.0	20.7	0.5	-	-	-	-	-	-
	09/07/10		-	-	11.5	2,850	1.0	19.4	0.7	-	-	-	-	-	-
	09/07/10	15	-	-	11.5	3,300	1.0	19.4	0.7	1,600	ND<15	11	14	1.0	8.4
	11/03/10		-	-	15.0	20	0.0	20.7	0.6	250	ND<2.7	3.0	9.1	0.92	9.0
	11/08/10		-	-	14.0	150	0.0	20.9	0.7	350	ND<2.7	4.1	11	1.0	11
	11/08/10		-	-	14.0	900	0.0	20.6	0.6	830	ND<10	7.7	14	1.1	12
	11/09/10		-	-	14.0	250	0.0	20.7	0.6	330	ND<2.0	4.0	9.8	0.82	10
	11/09/10		-	-	14.0	2,900	3.5	19.8	0.5	700	ND<15	6.2	11	0.94	11
	11/16/10		-	-	14.0	210	0.0	20.8	0.4	460	ND<1.4	5.4	13	1.5	19
	11/23/10		-	-	15.0	670	0.0	20.2	0.6	630	ND<5.0	7.3	15	1.2	16
	12/10/10		-	-	18.0	260	0.0	18.1	2.3	350	ND<2.7	4.7	10	1.1	12
	12/30/10		-	-	15.0	100	0.0	18.9	0.5	64	<0.68	2.1	2.6	0.34	2.0
	01/21/11		-	-	17.0	1,850	4.5	18.3	0.8	1,100	ND<15	13	20	2.3	13
	01/31/11		-	-	15.5	220	0.0	20.9	0.4	460	ND<2.7	4.5	12	1.5	30
	02/04/11		-	-	15.5	110	0.0	20.8	0.4	350	ND<2.0	3.9	10	0.89	19
	02/04/11	16	-	-	15.5	260	0.0	20.0	0.4	600	ND<30	5.3	12	0.94	18
	02/18/11	-	-	-	18.0	1,000	0.5	18.9	1.0	1,700	ND<4.5	21	97	9.6	100
	03/02/11		-	-	18.0	420	0.0	19.2	1.0	1,200	ND<25	12	34	2.5	30
	03/11/11		-	-	18.0	490	0.0	20.1	0.8	930	ND<6.8	12	43	4.4	49
	03/18/11		-	-	18.0	260	0.0	17.4	0.7	360	ND<5.0	3.4	15	3.1	29
	04/07/11		-	-	17.0	200	0.0	19.2	0.6	250	ND<2.8	8.3	11	1.1	7.0
	04/22/11		-	-	22.0	240	0.0	19.6	0.6	500	ND<5.0	5.0	18	2.3	23
	04/22/11		-	-	22.0	45	0.0	20.9	0.0	91	ND<5.0	0.80	3.1	0.48	5.7
	05/04/11		-	-	10.0	45	0.0	20.9	0.1	23	ND<0.68	0.20	0.53	0.080	0.97
	05/20/11		-	-	10.0	0	0.0	18.2	0.2	ND<7.0	ND<0.68	ND<0.077	0.16	ND<0.057	ND<0.057
	06/20/11		-	-	10.0	25	0.0	15.3	2.4	ND<7.0	ND<0.68	ND<0.077	0.097	ND<0.057	ND<0.057

TABLE 5: HVDPE VAPOR ANALYTICAL & FIELD SCREENING DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Sample Port ID	Sample Date	Notes	Initial Valve Position	Final Valve Position	Manifold Vacuum (in-Hg)	Field Screening Data				Vapor Analytical Data					
						TVH (ppmv)	CH ₄ (%)	O ₂ (%)	CO ₂ (%)	TPH-g (ppmv)	MTBE (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylenes (ppmv)
POSTD	06/28/07		-	-	-	10,000	6.5	18.2	1.4	3,800	ND<60	120	160	22	110
	07/11/07		-	-	-	3,550	-	-	-	1,400	ND<14	36	82	12	67
	07/27/07		-	-	-	4,550	-	-	-	3,400	ND<14	56	120	15	70
	08/01/07		-	-	-	5,200	-	-	-	2,500	ND<27	59	140	17	95
	08/10/07		-	-	-	4,800	2.0	19.9	0.5	5,300	ND<45	130	290	37	180
	09/28/07		-	-	-	6,750	4.0	20.7	0.3	4,800	ND<60	100	210	23	120
	10/17/07		-	-	-	4,500	2.5	20.9	0.0	1,800	ND<14	41	110	14	100
	11/08/07		-	-	-	1,300	1.0	20.9	0.4	2,000	ND<15	42	100	12	88
	11/16/07		-	-	-	4,150	2.0	20.5	0.4	3,600	ND<14	58	190	25	180
	11/21/07		-	-	-	8,600	7.5	20.5	0.8	5,500	ND<25	75	210	28	130
	12/04/07		-	-	-	6,500	5.0	19.8	0.6	3,400	ND<16	44	120	22	120
	12/26/07		-	-	-	2,000	1.0	20.9	0.3	1,300	ND<45	26	96	15	100
	01/08/08		-	-	-	1,200	0.5	20.9	0.3	1,700	ND<14	23	79	13	83
	01/15/08		-	-	-	45	0.0	20.7	0.0	620	ND<14	11	39	6.6	44
	01/22/08		-	-	-	280	0.0	20.2	0.0	1,100	ND<14	14	50	8.4	65
	01/31/08		-	-	-	470	0.0	20.9	0.1	770	ND<14	12	38	6.9	62
	02/07/08		-	-	-	120	0.0	20.9	0.0	690	ND<6.8	10	37	6.6	58
	03/18/08		-	-	-	75	xx	20.2	0.4	310	ND<3.5	3.9	12	3.0	20
	04/30/08		-	-	-	55	0.0	20.9	0.2	700	ND<2.0	7.6	23	5.0	42
	05/29/08		-	-	-	630	0.0	20.7	0.2	500	ND<3.5	5.4	12	4.1	29
	06/26/08		-	-	-	55	0.0	20.9	0.2	620	ND<10	7.8	25	5.4	45
	07/30/08	6.7	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/30/08		-	-	-	-	-	-	-	-	-	-	-	-	-
	11/04/08		-	-	-	-	-	-	-	-	-	-	-	-	-
	12/02/08		-	-	-	-	-	-	-	-	-	-	-	-	-
	01/06/09		-	-	-	-	-	-	-	-	-	-	-	-	-
	02/09/09		-	-	-	-	-	-	-	-	-	-	-	-	-
	03/18/09		-	-	-	-	-	-	-	-	-	-	-	-	-
	04/21/09		-	-	-	-	-	-	-	-	-	-	-	-	-
	05/19/09		-	-	-	-	-	-	-	-	-	-	-	-	-
	08/31/09		-	-	-	-	-	-	-	-	-	-	-	-	-
	09/10/09		-	-	-	-	-	-	-	-	-	-	-	-	-
	09/17/09		-	-	-	-	-	-	-	-	-	-	-	-	-
	09/25/09		-	-	-	-	-	-	-	-	-	-	-	-	-
	10/02/09		-	-	-	-	-	-	-	-	-	-	-	-	-
	10/20/09		-	-	-	-	-	-	-	-	-	-	-	-	-
	11/03/09		-	-	-	-	-	-	-	-	-	-	-	-	-
	12/11/09		-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 5: HVDPE VAPOR ANALYTICAL & FIELD SCREENING DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Sample Port ID	Sample Date	Notes	Initial Valve Position	Final Valve Position	Manifold Vacuum (in-Hg)	Field Screening Data				Vapor Analytical Data					
						TVH (ppmv)	CH ₄ (%)	O ₂ (%)	CO ₂ (%)	TPH-g (ppmv)	MTBE (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylenes (ppmv)
EFF	06/28/07		-	-	-	0	0.0	12.3	5.4	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	07/27/08		-	-	-	-	-	-	-	-	-	-	-	-	-
	08/10/07		-	-	-	-	-	-	-	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	09/28/07		-	-	-	0	0.0	14.0	4.5	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	10/17/07		-	-	-	-	-	-	-	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	11/08/07		-	-	-	-	-	-	-	21	ND<0.68	0.24	1.5	0.29	2.4
	11/16/07		-	-	-	0	0.0	14.8	4.8	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	12/26/07		-	-	-	-	-	-	-	-	-	-	-	-	-
	01/18/08		-	-	-	-	-	-	-	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	02/07/08		-	-	-	0	0.0	19.0	1.7	-	-	-	-	-	-
	03/18/08		-	-	-	0	xx	18.0	1.9	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	04/30/08		-	-	-	0	0.0	17.7	2.0	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	05/29/08		-	-	-	0	0.0	17.7	2.5	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	06/26/08		-	-	-	0	0.0	17.9	1.9	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	07/30/08	7	-	-	-	0	0.0	17.0	1.8	27	ND<0.68	0.09	0.64	0.16	2.1
	09/30/08		-	-	-	0	0.0	16.1	2.0	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	11/04/08		-	-	-	0	0.0	15.7	2.9	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	12/02/08		-	-	-	0	0.0	17.7	2.3	52	ND<0.68	0.19	1.5	0.34	4.4
	01/06/09		-	-	-	0	0.0	17.7	2.3	26	ND<0.68	ND<0.077	0.52	0.11	1.9
	02/09/09		-	-	-	0	0.0	16.1	2.6	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	03/18/09		-	-	-	0	0.0	18.3	2.0	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	04/21/09		-	-	-	0	0.0	18.3	2.2	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	05/19/09		-	-	-	0	0.0	17.9	2.2	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	08/31/09		-	-	-	0	0.0	16.0	3.0	ND<7.0	ND<0.68	ND<0.077	0.069	ND<0.057	0.35
	09/10/09		-	-	-	0	0.0	18.1	2.0	-	-	-	-	-	-
	10/02/09		-	-	-	0	0.0	17.6	2.5	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	10/20/09		-	-	-	-	-	-	-	-	-	-	-	-	-
	11/03/09		-	-	-	0	0.0	17.7	2.4	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	12/11/09		-	-	-	-	-	-	-	-	-	-	-	-	-
	04/20/10		-	-	-	20	0.0	17.3	3.1	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	08/23/10		-	-	-	0	0.0	18.2	2.1	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	11/23/10		-	-	-	0	0.0	19.2	1.0	ND<7.0	ND<0.68	ND<0.077	0.080	ND<0.057	ND<0.057
	12/30/10		-	-	-	0	0.0	20.0	0.6	ND<7.0	ND<0.68	0.22	ND<0.065	ND<0.057	ND<0.057
	01/31/11		-	-	-	35	0.0	18.8	1.7	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	02/18/11	17	-	-	-	150	0.0	18.3	1.7	94	ND<0.68	1.1	4.8	0.72	8.7
	03/11/11		-	-	-	-	-	-	-	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	0.22
	03/18/11		-	-	-	0	0.0	19.2	0.6	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	04/22/11		-	-	-	0	0.0	18.3	2.4	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	05/20/11		-	-	-	0	0.0	18.6	1.4	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
	06/20/11		-	-	-	0	0.0	nm	nm	ND<7.0	ND<0.68	ND<0.077	ND<0.065	ND<0.057	ND<0.057
HVDPE system was shutdown on 6/20/11.															

TABLE 5: HVDPE VAPOR ANALYTICAL & FIELD SCREENING DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Sample Port ID	Sample Date	Notes	Initial Valve Position	Final Valve Position	Manifold Vacuum (in-Hg)	Field Screening Data				Vapor Analytical Data				
						TVH (ppmv)	CH ₄ (%)	O ₂ (%)	CO ₂ (%)	TPH-g (ppmv)	MTBE (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)

NOTES:

TPH-g = total petroleum hydrocarbons as gasoline

MTBE = methyl tertiary-butyl ether

in-Hg = inches of mercury

ppmv = parts per million by volume

% = percent concentration by volume

PRED = pre-dilution sample port at combined inlet

POSTD = post-dilution sample port at thermal/catalytic oxidizer inlet

- not sampled/analyzed

TPH-g by EPA Method 8015C

BTEX & MTBE by EPA Method 8021B

xx = methane sensor damaged; pending replacement

TVH = total volatile hydrocarbons (calibrated w/ hexane)

CH₄ = methane by infrared detection (0 to 100% by volume)

O₂ = oxygen by electrochemical detection (0-40% by volume)

CO₂ = carbon dioxide by infrared detection (0 to 20% by volume)

TVH, CH₄, O₂, and CO₂ measured w/ RKI Eagle gas detector

- 1) Individual well water separator trap used for the 1st time.
- 2) Vacuum leak detected at wellhead due to broken wellhead seal; well turned off.
- 3) Pump failed, not strong enough to collect sample from PRED @ 18 in-Hg.
- 4) Opened 100% for field screening, turned OFF after screening, no lab sample collected.
- 5) Opened 100% for field screening, no lab sample collected.
- 6) Discontinued POSTD process sampling port starting in the 3rd Quarter, 2008 because it no longer provides any additional useful information.
- 7) HVDPE system shutdown most of the month of August for quarterly soil gas monitoring and pending repair of the rotary phase converter.
- 8) Field screened and sampled with MW-1S, MW-6S, and MW-12S OFF.
- 9) Field screened and sampled with MW-1S, MW-6S, and MW-12S ON; note the significant loss of applied vacuum and decrease in the concentration of hydrocarbons.
- 10) Field screened and sampled with MW-1S, MW-6S, and MW-12S OFF.
- 11) Field screened and sampled with MW-1S, MW-6S, and MW-12S ON; note the slight loss of applied vacuum (~1 in-Hg) and decrease in the concentration of hydrocarbons.
- 12) Field screened and sampled with MW-1S, MW-6S, and MW-12S ON.
- 13) Field screened and sampled with MW-1S, MW-6S, and MW-12S OFF; note the significant increase in the concentration of hydrocarbons.
- 14) The 1-Liter Tedlar® bag was damaged during transportation to the laboratory on 12/11/09; therefore, the samples were recollected on 12/16/09.
- 15) Influent vapor sample collected after sparging into AS-1 for 2 to 3-hours.
- 16) Sample collected approximately 1-hour after shutting down AS-1 and AS-3 and turning on AS-2 and AS-4.
- 17) Anomalous field reading and analytical data possibly due to cross contamination. All subsequent sampling events have been in compliance.

TABLE 6: HVDPE PERFORMANCE & MASS REMOVAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Sample Date	Notes	Possible Runtime (days)	Possible Runtime (hrs)	Hour Meter Reading	Actual Runtime (days)	Actual Runtime (hrs)	System Runtime (%)	Inlet Temp (°F)	Inlet Vac (in-Hg)	Well Velocity (fpm)	Well Flow (scfm)	Influent TPH-g (ppmv)	Mass Removal Rate (lbs/day)	Total Mass Removed (pounds)	Total Mass Removed (gallons)
06/28/07	1 Startup	-	-	10	-	-	-	60	18	850	42	-	0	0	0
07/11/07		13	312	53	2	43	14%	60	22	1,725	85	6,600	224	402	67
07/27/07		16	384	103	2	51	13%	60	20	1,700	83	11,000	368	1,180	197
08/01/07		5	120	160	2	57	47%	60	19	1,900	93	5,500	206	1,668	278
08/10/07	2,3	9	216	350	8	189	88%	60	22	1,800	88	7,700	273	3,820	637
09/28/07	4	49	1,176	896	23	546	46%	60	20	1,700	83	4,000	134	6,865	1,144
10/17/07		19	456	1,239	14	343	75%	60	21	1,100	54	5,100	110	8,446	1,408
11/08/07		22	528	1,709	20	470	89%	60	22	1,100	54	4,000	87	10,141	1,690
11/16/07		8	192	1,874	7	166	86%	60	21	1,100	54	6,000	130	11,038	1,840
11/21/07	5	5	120	1,994	5	120	100%	60	20.5	1,500	74	2,500	74	11,407	1,901
12/04/07		13	312	2,231	10	236	76%	60	20	1,150	56	7,900	179	13,168	2,195
12/26/07		22	528	2,566	14	335	63%	60	18	1,300	64	4,100	105	14,633	2,439
01/15/08		20	480	3,016	19	451	94%	60	19	1,200	59	1,900	45	15,476	2,579
01/22/08	6,7	7	168	3,064	2	48	29%	60	18	1,500	74	1,900	56	15,589	2,598
01/31/08		9	216	3,276	9	212	98%	60	20	1,250	61	2,200	54	16,067	2,678
02/07/08		7	168	3,443	7	167	99%	60	22	1,100	54	2,000	43	16,368	2,728
03/18/08	8,9	40	960	3,653	9	210	22%	60	15	1,400	69	630	17	16,520	2,753
04/01/08		14	336	3,952	12	299	89%	60	19	1,500	74	2,100	62	17,292	2,882
04/30/08		29	696	4,591	27	639	92%	60	19	1,900	93	2,100	79	19,383	3,231
05/29/08		29	696	4,978	16	387	56%	60	19.5	900	44	2,100	37	19,983	3,331
06/26/08		28	672	5,489	21	511	76%	60	23	1,200	59	860	20	20,416	3,403
07/30/08		34	816	6,184	29	694	85%	60	17	1,600	79	2,200	69	22,422	3,737
09/30/08		62	1,488	6,673	20	489	33%	60	9	2,000	98	1,100	43	23,304	3,884
11/04/08		35	840	7,062	16	389	46%	60	11	1,200	59	2,700	64	24,339	4,057
12/02/08		28	672	7,697	26	635	94%	60	10	1,200	59	2,200	52	25,715	4,286
01/06/09		35	840	8,298	25	601	72%	60	11	1,200	59	1,200	28	26,425	4,404
02/09/09		34	816	8,300	0	2	0%	60	12	1,200	59	1,200	28	26,427	4,405
03/18/09		37	888	8,320	1	20	2%	60	10	1,400	69	130	3.6	26,430	4,405
04/21/09		34	816	8,975	27	655	80%	60	11	1,400	69	58	1.6	26,474	4,412
05/19/09		28	672	9,001	1	26	4%	60	10	1,250	61	190	4.7	26,479	4,413
08/31/09		104	2,496	9,149	6	148	6%	60	12	1,400	69	870	24	26,626	4,438

TABLE 6: HVDPE PERFORMANCE & MASS REMOVAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Sample Date	Notes	Possible Runtime (days)	Possible Runtime (hrs)	Hour Meter Reading	Actual Runtime (days)	Actual Runtime (hrs)	System Runtime (%)	Inlet Temp (°F)	Inlet Vac (in-Hg)	Well Velocity (fpm)	Well Flow (scfm)	Influent TPH-g (ppmv)	Mass Removal Rate (lbs/day)	Total Mass Removed (pounds)	Total Mass Removed (gallons)
09/10/09	10	10	240	9,260	5	111	46%	60	15	1,500	74	1,700	50	26,859	4,476
09/17/09		7	168	9,411	6	151	90%	60	14	1,300	64	2,600	67	27,277	4,546
09/25/09		8	192	9,602	8	192	100%	60	13	2,000	98	2,700	106	28,126	4,688
10/02/09		7	168	9,771	7	169	100%	60	14	1,100	54	2,400	52	28,491	4,749
10/20/09		18	432	10,131	15	360	83%	60	13	3,000	147	2,500	148	30,706	5,118
11/03/09		14	336	10,468	14	337	100%	60	14	1,500	74	2,000	59	31,536	5,256
12/16/09		43	1,032	10,648	7	180	17%	60	14	2,000	98	1,200	47	31,890	5,315
04/20/10		125	3,000	10,820	7	172	6%	60	13	2,000	98	240	9.5	31,958	5,326
04/28/10		8	192	11,009	8	189	100%	60	15	1,100	54	120	2.6	31,979	5,330
04/29/10		1	24	11,033	1	24	100%	60	20	2,000	98	300	12	31,990	5,332
05/05/10		6	144	11,179	6	146	100%	60	18	2,000	98	340	13	32,072	5,345
05/11/10		6	144	11,321	6	142	100%	60	12	2,000	98	160	6.3	32,109	5,352
08/23/10		104	2,496	11,416	4	95	4%	60	16.5	2,500	123	220	11	32,152	5,359
09/01/10		9	216	11,635	9	218	100%	60	14	1,300	64	110	3	32,178	5,363
09/07/10		6	144	11,773	6	138	96%	60	11.5	900	44	1,600	28	32,341	5,390
11/03/10		57	1,368	12,010	10	237	17%	60	15	1,600	79	250	7.9	32,419	5,403
11/08/10		5	127	12,133	5	123	100%	60	14	1,000	49	350	6.9	32,454	5,409
11/08/10		0	4	12,137	0	4	100%	60	14	1,000	49	830	16	32,457	5,409
11/09/10		1	20	12,157	1	20	100%	60	14	1,000	49	330	6.5	32,462	5,410
11/09/10		0	4	12,161	0	4	100%	60	14	1,000	49	700	14	32,465	5,411
11/16/10		7	157	12,320	7	159	100%	60	14	1,000	49	460	9.1	32,525	5,421
11/23/10		7	168	12,483	7	163	100%	60	15	1,000	49	630	12	32,609	5,435
12/10/10		17	408	12,545	3	63	15%	60	16	1,000	49	350	6.9	32,627	5,438
12/30/10		20	480	12,810	11	265	55%	60	15	1,000	49	64	1.3	32,640	5,440
01/21/11		22	528	13,088	12	278	53%	60	16.5	900	44	1,100	19	32,866	5,478
01/31/11		10	240	13,329	10	241	100%	60	15.5	1,000	49	460	9.1	32,957	5,493
02/04/11		4	96	13,426	4	97	100%	60	15.5	1,000	49	600	12	33,005	5,501
02/18/11		14	336	13,667	10	242	72%	60	15.5	1,000	49	1,700	33	33,342	5,557
03/02/11		12	288	13,953	12	285	99%	60	18	1,000	49	1,200	24	33,623	5,604
03/11/11		9	216	14,073	5	120	56%	60	18	1,000	49	930	18	33,714	5,619
03/18/11		7	168	14,144	3	71	42%	60	18	1,000	49	360	7.1	33,735	5,623
04/07/11		20	480	14,599	19	456	95%	60	17	1,000	49	250	4.9	33,829	5,638
04/22/11		15	360	14,858	11	259	72%	60	22	1,300	64	500	12.8	33,966	5,661
05/04/11		12	288	15,143	12	286	99%	60	10	1,800	88	23	0.8	33,976	5,663
05/20/11		16	384	15,529	16	385	100%	60	10	1,300	64	3.5	0.09	33,978	5,663
06/20/11		31	744	15,672	6	144	19%	60	10	1,000	49	3.5	0.07	33,978	5,663

HVDPE system was shutdown on 6/20/11.

TABLE 6: HVDPE PERFORMANCE & MASS REMOVAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Sample Date	Notes	Possible Runtime (days)	Possible Runtime (hrs)	Hour Meter Reading	Actual Runtime (days)	Actual Runtime (hrs)	System Runtime (%)	Inlet Temp (°F)	Inlet Vac (in-Hg)	Well Velocity (fpm)	Well Flow (scfm)	Influent TPH-g (ppmv)	Mass Removal Rate (lbs/day)	Total Mass Removed (pounds)	Total Mass Removed (gallons)
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NOTES:

ppmv = parts per million by volume

hrs = hours

Flow = Velocity x Cross Sectional Area of the Pipe

TPH-g = total petroleum hydrocarbons as gasoline

- not analyzed/applicable

Cross Sectional Area of 3" Pipe = 0.0491 ft^2

TPH-g by EPA Method 8015C

fpm = feet per minute

Well Velocity = Well Velocity * 0.0491

in-Hg = inches of mercury (gauge pressure)

scfm = standard cubic feet per minute

PRED = TPH-g influent concentration

1) System installed and started up on June 26, 2007

6) Propane delivery missed; system shutdown on 01/02/08

2) Propane delivery missed; system shutdown on 08/06/07

7) Propane delivery missed; system shutdown on 01/22/08

3) Propane delivery missed; system shutdown on 08/21/07

8) System shutdown most of February to evaluate free product recovery

4) System down between 09/11 and 09/24/08 due to electrical problems

9) Catalyst module installed and started up in March of 2008

5) System expanded; MW-10, MW-11 and MW-12 extraction added online

10) Combined influent samples collected after sparging into AS-1 for 2 to 3-hours

MASS REMOVAL RATE (MRR) ESTIMATE ASSUMPTIONS:

$$\text{MRR Estimate} = (20,000 \times 10^{-6}) \times (50 \text{ scfm}) \times (1440 \text{ min/day}) \times (28.32 \text{ L/ft}^3) \times (1 \text{ mol}/22.4 \text{ L}) \times (100 \text{ g/mol}) \times (1 \text{ lb}/454 \text{ g})$$

MRR Estimate assumes negligible change in air density, constant concentration and average molecular weight

1 mole occupies 22.4 Liters at STP

MWgas = 100 grams/mole (weathered gasoline)

1 ft^3 = 28.38 liters

1 gallon gas ~ 6 pounds

STP is 21°C and 1 atm

1 day = 1440 minutes

1 lb = 454 grams

TABLE 7: QUARTERLY MASS REMOVAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

2007 Average Mass Removal Rates

Period	Mass Removal Rate (lbs/day)	Mass Removal Rate (gpd)	Cumulative Mass Removed (pounds)	Cumulative Mass Removed (gallons)
Q3, 2007	241	40	8,446	1,802
Q4, 2007	114	19	8,611	1,435

2008 Average Mass Removal Rates

Period	Mass Removal Rate (lbs/day)	Mass Removal Rate (gpd)	Cumulative Mass Removed (pounds)	Cumulative Mass Removed (gallons)
Q1, 2008	43	7.2	2,658	443
Q2, 2008	50	8.3	3,896	649
Q3, 2008	56	9.4	2,888	481
Q4, 2008	58	9.6	2,410	320

2009 Average Mass Removal Rates

Period	Mass Removal Rate (lbs/day)	Mass Removal Rate (gpd)	Cumulative Mass Removed (pounds)	Cumulative Mass Removed (gallons)
Q1, 2009	20	3.3	715	119
Q2, 2009	3	0.5	49	8
Q3, 2009	62	10.3	2,012	335
Q4, 2009	76	12.7	3,399	567

TABLE 7: QUARTERLY MASS REMOVAL DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

2010 Average Mass Removal Rates

Period	Mass Removal Rate (lbs/day)	Mass Removal Rate (gpd)	Cumulative Mass Removed (pounds)	Cumulative Mass Removed (gallons)
Q1, 2010	0	0.0	0	0
Q2, 2010	9	1.5	219	36
Q3, 2010	14	2.3	232	39
Q4, 2010	9	1.5	299	50

2011 Average Mass Removal Rates

Period	Mass Removal Rate (lbs/day)	Mass Removal Rate (gpd)	Cumulative Mass Removed (pounds)	Cumulative Mass Removed (gallons)
Q1, 2011	18	2.9	1,095	182
Q2, 2011	3.7	0.6	243	40
Q3, 2011	HVDPE system was shutdown on 6/20/11.			
Q4, 2011				

NOTES:

TABLE 8: AIR SPARGING SYSTEM DATA SUMMARY

Vic's Auto, 245 8th Oakland, California

Date	Time	Notes	Hour ¹ Meter	Actual Runtime (hrs)	Actual Runtime (days)	System Uptime (%)	System Status (ON/OFF)	Active Sparge Well	Manifold Temp (°F)	Manifold Pressure (psig)	Flow Rate (acfh)	Flow ² Rate (acf m)	Flow ³ Rate (scfm)	Wellhead Pressure (psig)
11/08/10	11:20		12,133.16	0			ON	AS-1	60	5.0	120	2.0	2.2	5.0
11/09/10	11:15	a	12,157.36	24	1	100%	ON	AS-3	60	6.5	120	2.0	2.3	6.5
11/10/10	7:30		12,174.90	18	1	100%	ON	AS-3	58	6.5	100	1.7	1.9	6.5
11/11/10	6:30		12,198.80	24	1	100%	ON	AS-3	52	6.5	120	2.0	2.3	6.5
11/12/10	6:30		12,221.60	23	1	95%	ON	AS-3	50	6.5	120	2.0	2.3	6.5
11/16/10	6:30		12,320.12	99	4	100%	ON	AS-3	60	6.5	120	2.0	2.3	6.5
11/23/10	8:15		12,482.71	163	7	100%	ON	AS-3	50	6.5	120	2.0	2.3	6.5
12/10/10	10:45	b	12,542.71	60	3	15%	ON	AS-3/4	58	7.0	120	2.0	2.3	7.0
12/10/10	13:45		12,545.49	3	0	100%	ON	AS-4	64	5.0	120	2.0	2.2	5.0
12/30/10	7:30		12,810.13	265	11	55%	ON	AS-4	42	7.0	120	2.0	2.3	7.0
01/21/11	10:35	c, d, e	5,813.40	0.0	0.0	---	ON	AS-1/3	78	10.0	300	5.0	6.1	10/10
01/31/11	11:15		6,056.40	243	10	100%	ON	AS-1/3	78	9.0	---	6.0	7.1	9/9
02/04/11	10:15		6,151.00	95	4	89%	ON	AS-1/3	78	8.5	---	6.0	7.0	8.5/8.5
02/04/11	11:45	f	6,152.50	1.5	0.06	100%	ON	AS-2/4	82	10.0	---	6.0	7.2	10/10
02/18/11	10:30		6,442.00	289.5	12.06	86%	ON	AS-2/4	72	10.0	---	6.0	7.3	10/10
02/18/11	11:30	g	6,443.00	1.0	0.04	100%	ON	AS-1/3	68	9.0	---	6.0	7.2	9/9
03/02/11	7:00		6,726.40	283.4	11.81	100%	ON	AS-1/3	70	9.0	---	6.0	7.2	9/9
03/02/11	9:30	h	6,727.90	1.5	0.06	100%	ON	AS-2/4	72	10.0	---	6.0	7.3	10/10
03/11/11	9:45		6,848.40	120.5	5.02	53%	ON	AS-2/4	80	10.0	---	6.0	7.2	10/10
03/18/11	6:15		6,917.50	69.1	2.88	42%	OFF	AS-2/4	-	-	---	-	-	-
03/18/11	8:15	i	6,919.40	1.9	0.08	95%	ON	AS-1/3	70	10.0	---	6.0	7.3	10/10
04/07/11	6:30		7,373.60	454.2	18.93	95%	ON	AS-1/3	72	8.0	---	6.0	7.0	6/6
04/07/11	8:15	j	7,374.90	1.3	0.05	74%	ON	AS-2/4	72	10.0	---	6.0	7.3	10/10
04/22/11	6:00		7,631.40	256.5	10.69	72%	ON	AS-2/4	72	10.0	---	6.0	7.3	-
04/22/11	7:52		7,633.20	1.8	0.08	96%	ON	AS-1/3	90	9.0	---	5.5	6.5	-

TABLE 8: AIR SPARGING SYSTEM DATA SUMMARY

Vic's Auto, 245 8th Oakland, California

Date	Time	Notes	Hour ¹ Meter	Actual Runtime (hrs)	Actual Runtime (days)	System Uptime (%)	System Status (ON/OFF)	Active Sparge Well	Manifold Temp (°F)	Manifold Pressure (psig)	Flow Rate (acfh)	Flow ² Rate (acf m)	Flow ³ Rate (scfm)	Wellhead Pressure (psig)
05/04/11	6:00		7,910.10	276.9	11.54	97%	ON	AS-1/3	92	8.0	---	5.0	5.7	8.0
05/04/11	8:00		7,912.20	2.1	0.09	100%	ON	AS-2/4	100	10.0	---	6.0	7.1	10.0
05/20/11	5:15		8,305.10	392.9	16.37	100%	ON	AS-2/4	92	8.0	---	6.0	6.9	8.0
05/20/11	8:00		8,307.70	2.6	0.11	100%	ON	AS-1/3	98	8.0	---	5.0	5.7	8.0
06/20/11	14:00		8,449.20	141.5	5.90	19%	ON	AS-2/3	98	10.0	---	5.0	6.0	-

HVDPE system was shutdown on 6/20/11.

NOTES:

psig = pounds per square inch

°F = degrees Fahrenheit

acf h = actual cubic feet per hour

acf m = actual cubic feet per minute

scfm = standard cubic feet per minute

1) Recording of HVDPE system and thermal oxidizer hour meter from 11/08/10 to 01/12/11

2) Flow Rate (acf m) = Flow Rate (acf h) / 60 (min/hour)

3) Flow Rate (scfm) = Flow Rate (acf m) * $\sqrt{((14.7 + \text{Manifold Pressure}) * 530) / (14.7 * (530 + \text{Manifold Temp}))}$

a) AS-3 left on after testing on 11/08/10; air sparging system interlocked w/ HVDPE system.

b) Turned off AS-3; turned on AS-4

c) Turned off AS-4; turned on AS-1 and AS-3

d) Repaired hour meter for refurbished AS system

e) Increased flow rate from 2 acfm per well to 5 - 6 acfm per well

f) Turned off AS-1 and AS-3; turned on AS-2 and AS-4.

g) Turned off AS-2 and AS-4; turned on AS-1 and AS-3.

h) Turned off AS-1 and AS-3; turned on AS-2 and AS-4.

i) Turned off AS-2 and AS-4; turned on AS-1 and AS-3.

j) Turned off AS-1 and AS-3; turned on AS-2 and AS-4.

TABLE 9: SOIL GAS FIELD SCREENING DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Soil Gas Probe ID	Date	Notes	Vacuum Influence (in-H2O)	Purge Vacuum (in-H2O)	RKI Eagle Multi-Gas Detector				ppbRAE 3000 PID		
					TVH (ppmv)	CH ₄ (%)	O ₂ (%)	CO ₂ (%)	Equipment Blank (ppmv)	Background PID (ppmv)	PID Reading (ppmv)
GP-1-5'	05/17/07	1	0.00	-	0.11	0.0	18.0	2.2	-	-	-
	06/12/07		0.00	-	0	0.0	18.6	2.4	-	-	-
	08/01/07		-0.40	-	0	0.0	20.9	0.0	-	-	-
	08/10/07		-0.35	-	0	0.0	20.9	0.0	-	-	-
	10/05/07		0.00	-	0	0.0	20.9	0.3	-	-	-
	11/07/07		-0.24	1.5	0	0.0	20.9	0.0	-	-	-
	11/21/07		-0.84	1.5	0	0.0	20.9	0.0	-	-	-
	03/28/08		0.00	>50	0	xx	20.9	0.0	-	-	-
	04/30/08	2	0.00	<1.0	0	0.0	20.9	0.1	-	-	-
	08/15/08		0.00	1.5	0	0.0	20.9	0.0	-	-	-
	11/11/08		-0.20	1.1	0	0.0	20.9	0.0	-	-	-
	02/09/09		0.00	1.0	0	0.0	19.7	0.8	-	-	-
	03/10/09		0.00	1.8	0	0.0	19.3	1.3	-	-	-
	04/21/09	3	0.00	1.5	0	0.0	19.5	0.7	-	-	-
	05/01/09		0.00	1.5	0	0.0	20.4	0.6	-	-	-
	10/02/09		-0.10	1.7	0	0.0	19.9	0.5	-	-	-
	11/03/09		0.00	1.5	0	0.0	19.7	0.7	-	-	-
	12/11/09		0.00	1.8	0	0.0	18.3	1.3	-	-	-
	04/20/10		0.00	65	0	0.0	20.8	0.0	-	-	-
	04/28/10		0.00	60	0	0.0	20.9	0.0	-	-	-
	05/05/10		-0.11	-	-	-	-	-	-	-	-
	09/07/10		-0.64	nm	0	0.0	20.9	0.0	nm	0.7	1.7
	09/07/10		-0.18	nm	0	0.0	20.9	0.0	nm	0.4	1.8
	11/08/10	5	-0.85	nm	-	-	-	-	0.5	0.3	0.4
	11/09/10		-0.80	nm	-	-	-	-	1.0	0.2	0.7
	11/10/10		-0.80	nm	0	0.0	20.9	0.0	2.2	0.9	1.3
	11/11/10		-0.82	nm	0	0.0	20.9	0.0	0.4	0.3	0.4
	11/12/10		-0.80	nm	0	0.0	20.9	0.0	0.4	0.3	0.3
	11/16/10		-0.83	nm	0	0.0	20.9	0.0	0.2	0.1	0.2
	11/23/10		-0.71	nm	0	0.0	20.9	0.0	0.3	0.2	0.3
	12/10/10		-1.00	nm	0	0.0	20.9	0.0	0.3	0.2	0.3
	01/21/11		-0.45	nm	0	0.0	20.9	0.4	2.4	1.0	2.2
	02/04/11		nm	nm	0	0.0	20.9	0.0	0.6	0.0	0.1
	02/18/11	^	nm	nm	0	0.0	20.9	0.0	1.3	1.2	1.2
	03/02/11		nm	nm	0	0.0	20.9	0.0	1.3	1.4	1.4
	03/18/11		nm	nm	0	0.0	20.9	0.0	1.7	1.6	1.7
	04/07/11		nm	nm	0	0.0	20.9	0.0	0.7	0.0	0.3
	04/22/11		0.05	nm	0	0.0	20.9	0.2	1.6	1.1	3.2
	05/04/11		0.04	nm	0	0.0	20.9	0.1	1.1	1.0	1.9
	05/20/11		0.02	nm	0	0.0	20.9	0.0	0.1	0.1	0.4
	06/20/11		0.03	nm	0	0.0	20.9	0.0	1.3	1.3	2.0

TABLE 9: SOIL GAS FIELD SCREENING DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Soil Gas Probe ID	Date	Notes	Vacuum Influence (in-H2O)	Purge Vacuum (in-H2O)	RKI Eagle Multi-Gas Detector				ppbRAE 3000 PID		
					TVH (ppmv)	CH ₄ (%)	O ₂ (%)	CO ₂ (%)	Equipment Blank (ppmv)	Background PID (ppmv)	PID Reading (ppmv)
GP-1-10'	05/17/07	1	0.00	-	-	-	-	-	-	-	-
	06/12/07		0.00	-	0	0.0	18.7	2.2	-	-	-
	08/01/07		-0.44	-	0	0.0	20.9	0.0	-	-	-
	08/10/07		-0.38	-	0	0.0	20.9	0.0	-	-	-
	10/05/07		0.00	-	0	0.0	20.9	0.3	-	-	-
	11/07/07		-0.27	2.0	0	0.0	20.9	0.0	-	-	-
	11/21/07		-0.60	1.5	0	0.0	20.9	0.0	-	-	-
	03/28/08	*	-	-	-	-	-	-	-	-	-
	04/30/08	2	-0.14	<1.0	0	0.0	20.9	0.1	-	-	-
	08/15/08		0.00	1.0	0	0.0	18.5	0.1	-	-	-
	11/11/08		-0.19	1.2	0	0.0	20.9	0.0	-	-	-
	02/09/09	3	0.00	1.2	10	0.0	19.8	0.7	-	-	-
	03/10/09		-0.39	9.0	0	0.0	19.5	1.0	-	-	-
	04/21/09		-0.10	6.0	0	0.0	19.8	0.5	-	-	-
	05/01/09	*	-	-	-	-	-	-	-	-	-
	10/02/09	*	-	-	-	-	-	-	-	-	-
	11/03/09	*	-	-	-	-	-	-	-	-	-
	12/11/09	*	-	-	-	-	-	-	-	-	-
	04/20/10	5	0.00	5.1	0	0.0	20.9	0.0	-	-	-
	04/28/10		-0.20	5.0	0	0.0	20.9	0.0	-	-	-
	05/05/10	^	0.00	-	-	-	-	-	-	-	-
	09/07/10		-0.60	nm	0	0.0	20.9	0.0	nm	0.5	1.6
	09/07/10		-0.53	nm	0	0.0	20.9	0.0	nm	0.5	2.2
	11/08/10		-0.90	nm	-	-	-	-	0.5	0.1	0.4
	11/09/10		-0.85	nm	-	-	-	-	1.3	0.2	0.9
	11/10/10		-0.78	nm	0	0.0	20.9	0.0	1.7	0.9	1.6
	11/11/10		-0.80	nm	0	0.0	20.9	0.0	0.3	0.4	0.6
	11/12/10		-0.79	nm	0	0.0	20.9	0.0	0.3	0.3	0.4
	11/16/10		-0.81	nm	0	0.0	20.9	0.0	0.2	0.1	0.3
	11/23/10		-0.75	nm	0	0.0	20.9	0.0	0.3	0.2	0.4
	12/10/10		-1.10	nm	0	0.0	20.9	0.0	0.4	0.3	0.4
	01/21/11		-0.40	nm	0	0.0	20.9	0.3	1.9	0.9	2.9
	02/04/11		nm	nm	0	0.0	20.9	0.0	0.6	0.0	0.2
	02/18/11		nm	nm	0	0.0	20.9	0.0	1.6	1.2	1.4
	03/02/11		nm	nm	0	0.0	20.9	0.0	1.6	1.3	1.5
	03/18/11		nm	nm	0	0.0	20.9	0.0	1.5	1.6	1.6
	04/07/11		nm	nm	0	0.0	20.9	0.0	0.7	0.0	0.3
	04/22/11		0.05	nm	0	0.0	20.9	0.1	1.7	1.2	3.5
	05/04/11		0.04	nm	0	0.0	20.9	0.0	1.0	1.1	2.4
	05/20/11		0.03	nm	0	0.0	20.9	0.0	0.1	0.1	0.3
	06/20/11		0.03	nm	0	0.0	20.9	0.0	1.3	1.3	2.0

TABLE 9: SOIL GAS FIELD SCREENING DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Soil Gas Probe ID	Date	Notes	Vacuum Influence (in-H ₂ O)	Purge Vacuum (in-H ₂ O)	RKI Eagle Multi-Gas Detector				ppbRAE 3000 PID		
					TVH (ppmv)	CH ₄ (%)	O ₂ (%)	CO ₂ (%)	Equipment Blank (ppmv)	Background PID (ppmv)	PID Reading (ppmv)
GP-2-5*	05/17/07	1	0.00	-	0.14	0.0	19.0	1.5	-	-	-
	06/12/07		0.00	-	0	0.0	19.0	1.7	-	-	-
	08/01/07		0.00	-	0	0.0	20.9	0.3	-	-	-
	08/10/07		-0.04	-	0	0.0	20.9	0.2	-	-	-
	10/05/07		0.00	-	0	0.0	20.9	0.1	-	-	-
	11/07/07		-0.08	4.0	0	0.0	20.9	0.0	-	-	-
	11/21/07		-0.04	1.5	0	0.0	20.9	0.0	-	-	-
	03/28/08	*	-	-	-	-	-	-	-	-	-
	04/30/08	2	-0.01	2.0	0	0.0	20.9	0.0	-	-	-
	08/15/08		0.00	3.0	0	0.0	20.9	0.0	-	-	-
	11/11/08		-0.07	1.8	0	0.0	20.9	0.0	-	-	-
	02/09/09	3	0.00	2.2	0	0.0	20.7	0.2	-	-	-
	03/10/09	*	-	-	-	-	-	-	-	-	-
	04/21/09		0.00	2.0	0	0.0	20.9	0.0	-	-	-
	05/01/09		0.00	2.0	0	0.0	20.9	0.2	-	-	-
	10/02/09		-0.05	2.2	0	0.0	20.7	0.1	-	-	-
	11/03/09		0.00	2.0	0	0.0	20.5	0.0	-	-	-
	12/11/09	*	0.00	-	-	-	-	-	-	-	-
	04/20/10	5	0.00	2.0	0	0.0	20.9	0.0	-	-	-
	04/28/10		-0.05	2.2	0	0.0	20.8	0.0	-	-	-
	05/05/10	^	0.00	-	-	-	-	-	-	-	-
	09/07/10		0.00	nm	0	0.0	20.9	0.2	nm	0.8	1.9
	09/07/11		0.00	nm	0	0.0	20.9	0.1	nm	0.2	3.4
	11/08/10		0.00	nm	-	-	-	-	0.5	0.1	0.6
	11/09/10		0.00	nm	-	-	-	-	1.2	0.2	2.4
	11/10/10		0.00	nm	35	0.0	20.9	0.0	1.4	1.0	1.8
	11/11/10		0.00	nm	0	0.0	20.9	0.0	0.5	0.4	0.6
	11/12/10		0.00	nm	0	0.0	20.9	0.0	0.4	0.3	0.4
	11/16/10		0.00	nm	0	0.0	20.9	0.0	0.3	0.1	0.3
	11/23/10		0.00	nm	0	0.0	20.9	0.0	0.4	0.3	0.4
	12/10/10		0.00	nm	0	0.0	20.9	0.0	0.4	0.3	0.5
	01/21/11		0.00	nm	0	0.0	20.9	0.2	1.3	0.9	5.8
	02/04/11		nm	nm	0	0.0	20.9	0.1	0.7	0.0	0.4
	02/18/11		nm	nm	0	0.0	20.9	0.0	1.7	1.8	2.0
	03/02/11		nm	nm	0	0.0	20.9	0.0	1.6	1.4	2.3
	03/18/11		nm	nm	0	0.0	20.9	0.0	1.9	1.7	2.0
	04/07/11		nm	nm	0	0.0	20.9	0.0	0.7	0.0	0.8
	04/22/11		0.00	nm	0	0.0	20.9	0.0	2.0	1.2	4.7
	05/04/11		0.00	nm	0	0.0	20.9	0.0	1.8	1.2	3.9
	05/20/11		0.00	nm	0	0.0	20.9	0.0	0.2	0.1	0.8
	06/20/11		0.00	nm	0	0.0	20.9	0.0	1.6	1.3	3.0

TABLE 9: SOIL GAS FIELD SCREENING DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Soil Gas Probe ID	Date	Notes	Vacuum Influence (in-H2O)	Purge Vacuum (in-H2O)	RKI Eagle Multi-Gas Detector				ppbRAE 3000 PID		
					TVH (ppmv)	CH ₄ (%)	O ₂ (%)	CO ₂ (%)	Equipment Blank (ppmv)	Background PID (ppmv)	PID Reading (ppmv)
GP-2-10'	05/17/07	1	0.00	-	0.18	0.0	18.0	1.5	-	-	-
	06/12/07	*	0.00	-	-	-	-	-	-	-	-
	08/01/07		0.08	-	0	0.0	20.8	0.5	-	-	-
	08/10/07		0.00	-	0	0.0	20.9	0.2	-	-	-
	10/05/07		0.00	-	0	0.0	20.9	0.1	-	-	-
	11/07/07		0.00	24	0	0.0	20.9	0.0	-	-	-
	11/21/07		-1.7	35	0		20.9	0.0	-	-	-
	03/28/08	*	-	-	-	-	-	-	-	-	-
	04/30/08	2	-3.5	2.0	0	0.0	20.9	0.0	-	-	-
	08/15/08		0.00	3.0	0	0.0	20.9	0.0	-	-	-
	11/11/08		-1.8	2.0	0	0.0	20.9	0.0	-	-	-
	02/09/09	3*	-	-	-	-	-	-	-	-	-
	03/10/09	*	-	-	-	-	-	-	-	-	-
	04/21/09		-0.50	3.0	0	0.0	20.9	0.0	-	-	-
	05/01/09	*	-	-	-	-	-	-	-	-	-
	10/02/09	*	-0.30	-	-	-	-	-	-	-	-
	11/03/09	*	0.00	-	-	-	-	-	-	-	-
	12/11/09	*	0.00	-	-	-	-	-	-	-	-
	04/20/10	5	0.00	50	0	0.0	20.9	0.0	-	-	-
	04/28/10		-0.12	48	0	0.0	20.9	0.0	-	-	-
	05/05/10	^	0.00	-	-	-	-	-	-	-	-
	09/07/10		0.00	nm	0	0.0	20.9	0.2	nm	0.6	2.2
	09/07/11		0.00	nm	0	0.0	20.9	0.2	nm	0.3	3.3
	11/08/10		0.00	nm	-	-	-	-	0.5	0.2	2.1
	11/09/10		0.00	nm	-	-	-	-	4.6	0.3	5.5
	11/10/10		0.00	nm	0	0.0	20.9	0.0	4.5	0.8	6.1
	11/11/10		0.00	nm	0	0.0	20.9	0.0	0.7	0.4	0.8
	11/12/10		0.00	nm	0	0.0	20.9	0.0	0.5	0.4	0.6
	11/16/10		0.00	nm	0	0.0	20.9	0.0	0.5	0.1	0.3
	11/23/10		0.00	nm	0	0.0	20.9	0.0	1.0	0.3	1.0
	12/10/10		0.00	nm	0	0.0	20.9	0.0	0.7	0.3	1.0
	01/21/11		0.00	nm	0	0.0	20.9	0.2	1.8	0.9	10.8
	02/04/11		nm	nm	0	0.0	20.9	0.2	0.7	0.0	0.1
	02/18/11		nm	nm	0	0.0	20.9	0.0	1.2	1.8	3.0
	03/02/11		nm	nm	0	0.0	20.9	0.0	1.8	1.4	2.9
	03/18/11		nm	nm	0	0.0	20.9	0.0	2.0	1.7	2.1
	04/07/11		nm	nm	0	0.0	20.9	0.0	0.7	0.0	0.7
	04/22/11		0.00	nm	0	0.0	20.9	0.0	2.2	1.3	7.7
	05/04/11		0.00	nm	0	0.0	20.9	0.0	2.0	1.2	6.8
	05/20/11		0.00	nm	0	0.0	20.9	0.0	0.2	0.1	0.8
	06/20/11		0.00	nm	0	0.0	20.9	0.0	1.8	1.8	5.9

TABLE 9: SOIL GAS FIELD SCREENING DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Soil Gas Probe ID	Date	Notes	Vacuum Influence (in-H2O)	Purge Vacuum (in-H2O)	RKI Eagle Multi-Gas Detector				ppbRAE 3000 PID		
					TVH (ppmv)	CH ₄ (%)	O ₂ (%)	CO ₂ (%)	Equipment Blank (ppmv)	Background PID (ppmv)	PID Reading (ppmv)
GP-3-5'	05/17/07	1	0.00	-	0.14	0.0	20.0	0.48	-	-	-
	06/12/07		0.00	-	0	0.0	20.9	0.4	-	-	-
	08/10/07		-0.01	-	0	0.0	20.9	0.3	-	-	-
	10/05/07		0.00	-	0	0.0	20.9	0.2	-	-	-
	11/07/07		0.00	1.0	0	0.0	20.9	0.2	-	-	-
	11/21/07		-0.05	1.0	0	0.0	20.9	0.0	-	-	-
	03/28/08		0.00	43	0	xx	20.5	0.1	-	-	-
	04/30/08		-0.02	<1.0	0	0.0	20.9	0.1	-	-	-
	08/15/08		0.00	1.0	0	0.0	20.9	0.0	-	-	-
	11/11/08		-	-	-	-	-	-	-	-	-
GP-3-10'	05/17/07	1	0.00	-	0.37	0.0	2.4	3.4	-	-	-
	06/12/07		0.00	-	0	0.0	10.5	1.8	-	-	-
	08/10/07		-0.16	-	0	0.0	16.8	2.2	-	-	-
	10/05/07		0.00	-	0	0.0	20.8	1.2	-	-	-
	11/07/07		-0.30	55	0	0.0	20.9	0.5	-	-	-
	11/21/07		-5.2	47	0	0.0	20.9	0.2	-	-	-
	03/28/08		+	-1.0	>150	0	xx	20.0	0.0	-	-
	04/30/08		2	-9.0	110	0	0.0	20.9	0.1	-	-
	08/15/08		0.00	50	-	-	20.9	0.0	-	-	-
	11/11/08		-	-	-	-	-	-	-	-	-

TABLE 9: SOIL GAS FIELD SCREENING DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Soil Gas Probe ID	Date	Notes	Vacuum Influence (in-H ₂ O)	Purge Vacuum (in-H ₂ O)	RKI Eagle Multi-Gas Detector				ppbRAE 3000 PID		
					TVH (ppmv)	CH ₄ (%)	O ₂ (%)	CO ₂ (%)	Equipment Blank (ppmv)	Background PID (ppmv)	PID Reading (ppmv)
GP-4-5'	05/17/07	1	0.00	-	0.21	0.0	20.0	0.7	-	-	-
	06/12/07		0.00	-	0	0.0	20.8	0.6	-	-	-
	08/10/07		-0.02	-	0	0.0	20.9	0.4	-	-	-
	10/05/07		0.00	-	0	0.0	20.9	0.5	-	-	-
	11/07/07		0.00	0.9	0	0.0	20.9	0.3	-	-	-
	11/21/07		0.00	0.5	0	0.0	20.9	0.0	-	-	-
	03/28/08		0.00	47	0	xx	20.0	0.0	-	-	-
	04/30/08	2	-0.02	<1.0	0	0.0	20.9	0.2	-	-	-
	08/15/08		0.00	1.0	-	-	20.9	0.0	-	-	-
	11/11/08	4	-	-	-	-	-	-	-	-	-
GP-4-10'	05/17/07	1	0.00	-	-	-	-	-	-	-	-
	06/12/07	*	0.00	-	-	-	-	-	-	-	-
	08/10/07		-0.08	-	0	0.0	20.4	0.2	-	-	-
	10/05/07		0.00	-	0	0.0	20.9	0.5	-	-	-
	11/07/07		0.00	80	0	0.0	20.9	0.3	-	-	-
	11/21/07		0.00	>50	0	0.0	20.9	0.0	-	-	-
	03/28/08	+	0.00	>150	0	xx	20.5	0.0	-	-	-
	04/30/08	*	-0.20	>150	-	-	-	-	-	-	-
	08/15/08		0.00	>50	-	-	19.0	0.1	-	-	-
	11/11/08	4	-	-	-	-	-	-	-	-	-

TABLE 9: SOIL GAS FIELD SCREENING DATA SUMMARY

Vic's Auto, 245 8th Street, Oakland, California

Soil Gas Probe ID	Date	Notes	Vacuum Influence (in-H ₂ O)	Purge Vacuum (in-H ₂ O)	RKI Eagle Multi-Gas Detector				ppbRAE 3000 PID		
					TVH (ppmv)	CH ₄ (%)	O ₂ (%)	CO ₂ (%)	Equipment Blank (ppmv)	Background PID (ppmv)	PID Reading (ppmv)

NOTES:

- not sampled / analyzed

in-H₂O = inches of water

ppmv = parts per million by volume

% = percent concentration by volume

xx = methane sensor damaged; pending replacement

nm = not measured

TVH = total volatile hydrocarbons (calibrated w/ hexane)

CH₄ = methaneO₂ = oxygenCO₂ = carbon dioxideTVH, CH₄, O₂, and CO₂ measured w/ RKI Eagle gas detector

* Soil gas sample collection not possible due to wet or saturated soil conditions

+ High purge vacuum suggests wet or saturated soil conditions

^ Vacuum influence only check, soil gas probes not screened

1) TPH-g by modified EPA Method TO-3 GC/FID and CH4, O₂, and CO₂ by modified method ASTM D-1946 GC/FID or GC/TCD2) Soil gas probe screened for TVH, CH4, O₂, and CO₂ approximately one week prior to sampling for vapor intrusion evaluation

3) HVDPE system was shutdown on January 6, 2009, approximately one (1) month before screening GP-1 & GP-2

4) Nested soil gas probes GP-3 and GP-4 were abandoned on August 21, 2008 during the HVDPE conveyance lateral installation

5) Soil gas probes screened before restarting the HVDPE system which had been shutdown for 118 days or approximately four (4) months

APPENDIX A

MONITORING WELL FIELD SAMPLING FORMS

AEI CONSULTANTS

GROUNDWATER MONITORING WORK ORDER (LOW-FLOW PURGING & SAMPLING)

Project Name: Vic's Auto
 Project Number: 116907

Activity	Hours	
	Budget	Actual

Client Contact: Vic Lum
 Project Manager: Stephen Lao

Gate / System Combo: No combo – use keys
 PO Number: WC083453

Scheduled Work Date: February 3, 2012
 Flexible: YES NO

Site Contact: Vic Lum
 Site Phone: (510) 832-9014
 Site Address: 245 8th Street
 Oakland, CA 94607

Summary of Work Requested

Groundwater Monitoring Event (Q1, 2012)

- 1) Sample MW-1, 2, 5, 6, 7, 9, and 13 to 16 using low-flow purging and sampling method.
- 2) Measure and record the depth to water before and after purging and sampling.
- 3) Run the peristaltic pump at 150 rpm x 1.67 ml/rev = 250 ml/min.
- 4) Stabilization criteria: pH ±0.1; conductivity ±3%; DO ±10%; ORP ±10 mV.
- 5) Collect at least three (3) 40-mL VOAs from each well.
- 6) Make sure VOAs from MW-1, 2, 5, 6, and 7 do not contain any suspended solids.**

Not Completed

- 1. Removed standing water from well boxes; removed well caps; allowed water levels to stabilize.
- 2. Checked the depth to water in each well sampled before and after purging and sampling.
- 3. Continuously purged up to 10 liters of groundwater using peristaltic pump and flow-thru cell.
- 4. Recorded temp, pH, sc, DO, and ORP readings until stabilization criteria was achieved (see above).
- 5. Noted appearance of purge water (clear, dark, milky, etc.) and if an immiscible sheen was present.
- 6. Collected three (3) 40-ml VOA vials per well, capped with zero head space (no bubbles in the VOAs).
- 7. Noted condition of well boxes, well casing, and well plug; recorded wellhead info on the field sheets.
- 8. Recorded the amount of consumables (bailers, drums, well plugs, tubing, etc.) used.
- 9. Labeled purge water drums; recorded the total number of drums used and left onsite below.
- 10. Transported samples on water ice to McCampbell Analytical, Inc. of Pittsburg, CA for analyses.

Lab Analyses: None TPH-g TPH-d MBTEX Fuel Oxygenates Other

Turnaround Time: Rush 24 hours 48 hours 72 hours Standard

Consumables: # of Bailers: _____ # of Drums: _____ # of Well Plugs: _____

Drums Onsite: # of Water: _____ # of Soil: _____ # of Other: _____

Requested by PM: *[Signature]* Completed by Tech: *[Signature]*

Project Name: Vic's Automotive (Q1, 2012)

Field Person: J. Sigg

Location: 245 8th Street, Oakland, California

Project Manager: S. Lao

Project No.: 116907

Date: 02/03/12

Weather: _____

Daily Summary: **Groundwater Monitoring Event (Q1, 2012)**

- 1) Sample MW-1, 2, 5, 6, 7, 9, and 13 to 16 using low-flow purging and sampling method.
- 2) Measure and record the depth to water before and after purging and sampling.
- 3) Run the peristaltic pump at 150 rpm x 1.67 ml/rev = 250 ml/min.
- 4) Stabilization criteria: pH ± 0.1 ; conductivity $\pm 3\%$; DO $\pm 10\%$; ORP ± 10 mV.
- 5) Collect at least three (3) 40-mL VOAs from each well.

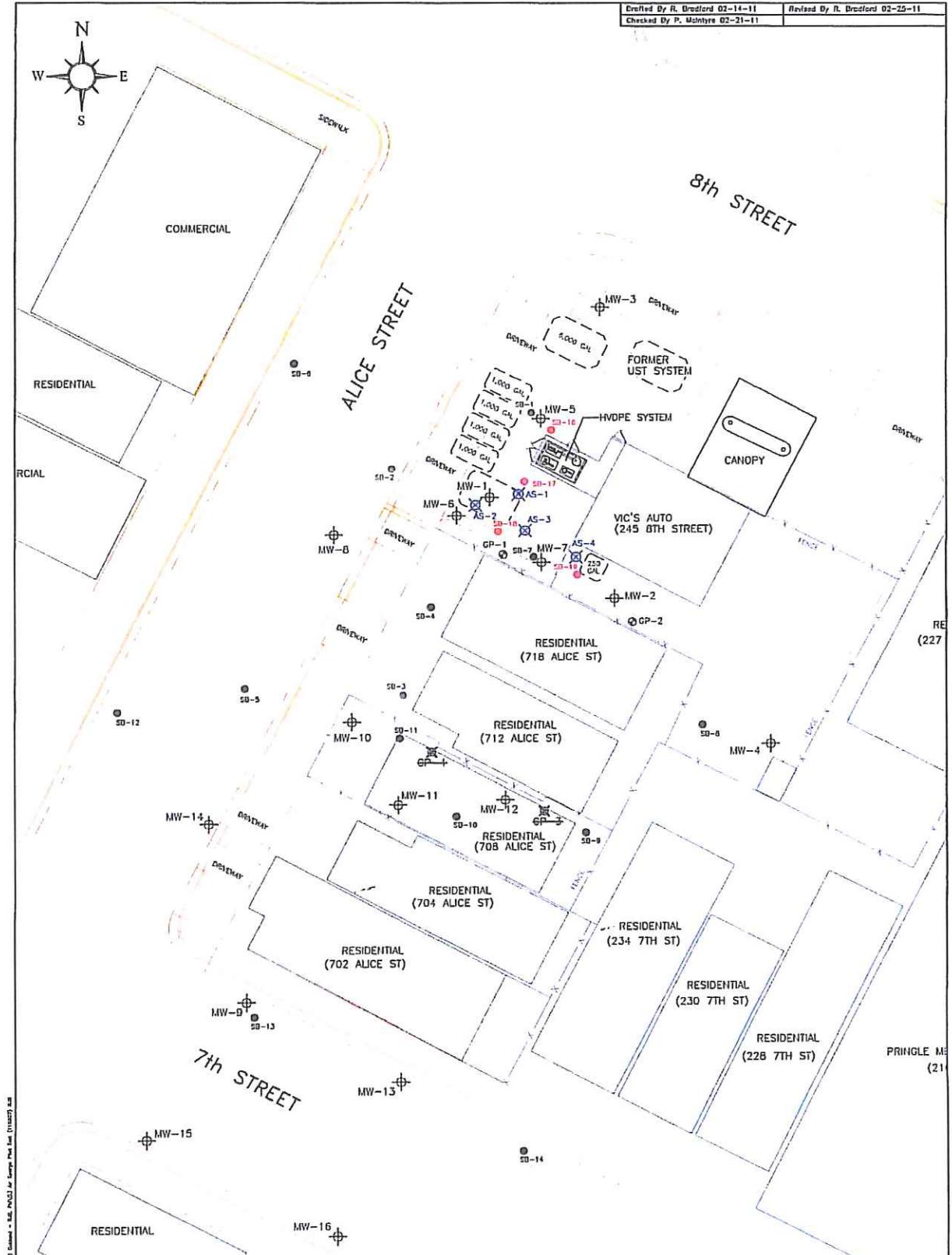
Materials: Silicon tubing (L/S 15), polyethylene tubing (1/4" OD), 55-gallon drum, 40-ml VOA vials, nitrile gloves.

Equipment: Peristaltic pump, water level meter, oil-water interface meter, orange traffic cones, hand tools.

TIME	SUMMARIZE FIELD ACTIVITIES
6:530	arrive @ site open all wells & measure DTW. Begin GWM event finish GWM event
13:30	Leave site Drop Samples

Field Person Signature: _____

Project Manager Signature: _____



LEGEND

- MONITORING WELL
- SOIL BORING (2010)
- SOIL BORING (1996)
- SOIL BORING (2002 / 2003)
- AIR SPARGE WELL (2010)
- SOIL GAS PROBE
- ABANDONED SOIL GAS PROBE



AEI CONSULTANTS
2500 CAMINO DIABLO, SUITE 200, WALNUT CREEK

SITE PLAN

245 8TH STREET
OAKLAND, CALIFORNIA

FIGURE 2
PROJECT NO. 116907

DATE: 2-3-12

AEI CONSULTANTS
MONITORING WELL WELLHEAD CONDITION FORM

PAGE: _____ OF: _____

Project Name: Vic's Automotive (Q1, 2012)

Field Technician: J. Sigg

Location: 245 8th Street, Oakland, California

Project Manager: S. Lao

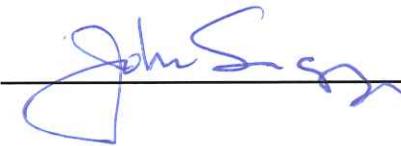
Project No.: 116907

Conditions: Clean / complete

Well ID	Well Size	Well Box Size	Casing In Good Condition	Well Box In Good Condition	Water In Box	Well Plug Missing	Lock Missing	Bolts Missing	Bolts Stripped	Lid Cracked/Broken	Additional Notes / Comments
MW-1	4	22	Y	Y	N	Y	Y	Y	Y	Y	
MW-2	2	22	Y	Y	Y	Y	Y	Y	Y	Y	
MW-3	2	12	Y	Y	Y	Y	Y	Y	Y	Y	
MW-4	2	12	Y	Y	Y	Y	Y	Y	Y	Y	
MW-5	4	22	Y	Y	Y	Y	Y	Y	Y	Y	
MW-6	4	22	Y	Y	Y	Y	Y	Y	Y	Y	
MW-7	4	22	Y	Y	Y	Y	Y	Y	Y	Y	
MW-8	4	8	Y	Y	Y	Y	Y	Y	Y	Y	
MW-9	2	8	Y	Y	Y	Y	Y	Y	Y	Y	
MW-10	4	n/a									Well plumbed to HVDPE system; not used for monitoring
MW-11	4	n/a									Well plumbed to HVDPE system; not used for monitoring
MW-12	4	n/a									Well plumbed to HVDPE system; not used for monitoring
MW-13	2	8	X	Y	Y	Y	Y	Y	Y	Y	
MW-14	2	8	X	Y	Y	Y	Y	Y	Y	Y	
MW-15	2	8	X	Y	Y	Y	Y	Y	Y	Y	
MW-16	2	8	X	Y	Y	Y	Y	Y	Y	Y	

Project Manager: _____

Field Technician: _____



AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-1

Project Name:	Vic's Automotive (Q1, 2012) Low-Flow	Date of Sampling:	2/3/2011
Job Number:	116907	Name of Sampler:	J. Sigg
Project Address:	245 8th Street, Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	4	
Wellhead Condition	▼	
Elevation of Top of Casing (feet above msl)	32.55	
Depth of Well	28.00	
Depth to Water (from top of casing)	Before: 17.08	After: 17.09
Depth to Free Product (from top of casing)	Before:	After:
Water Elevation (feet above msl)	Before: 32.55	After: 32.55
Purging and Sampling Method	Low-Flow (Minimal Drawdown) Purging / Sampling	
Drop Tube Depth (feet bgs)	21.0	
Pump Speed (Default = 300 rpms)	150	
Estimated Purge Rate (Pump Speed * 1.67 ml/rev)	250	
Actual Volume Purged (liters)	5	
Appearance of Purge Water	Clear	
Free Product Present?		Thickness (ft):

GROUNDWATER SAMPLES

Number of Samples/Container Size				Three (3) 40ml VOA vials			
Time	Volume Removed (liters)	Temperature (deg C)	Conductivity (uS/cm)	DO (mg/l)	pH	ORP (meV)	Comments
1005	1	19.74	614	1.21	7.44	-180.3	Clear
	2	19.70	610	.98	7.40	-181.7	"
	3	19.68	612	.90	7.40	-183.4	"
	4	19.67	610	.86	7.40	-184.9	"
1015	5	19.70	609	.80	7.41	-185.2	"

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Use low-flow (minimal drawdown) purging and sampling method
Position 1/4" polyethylene drop tube at 21-feet bgs
Stabilization criteria: pH +/- 0.1; conductivity +/- 3%; DO +/- 10%; ORP +/- 10 meV

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-2

Project Name:	Vic's Automotive (Q1, 2012) Low-Flow	Date of Sampling:	2/3/2011
Job Number:	116907	Name of Sampler:	J. Sigg
Project Address:	245 8th Street, Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition			
Elevation of Top of Casing (feet above msl)	33.24		
Depth of Well	28.00		
Depth to Water (from top of casing)	Before:	17.51	After: 17.53
Depth to Free Product (from top of casing)	Before:	After:	
Water Elevation (feet above msl)	Before:	33.24	After: 33.24
Purging and Sampling Method	Low-Flow (Minimal Drawdown) Purging / Sampling		
Drop Tube Depth (feet bgs)	21.0		
Pump Speed (Default = 300 rpms)	150		
Estimated Purge Rate (Pump Speed * 1.67 ml/rev)	250		
Actual Volume Purged (liters)	5		
Appearance of Purge Water	Clear		
Free Product Present?			Thickness (ft):

GROUNDWATER SAMPLES

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Use low-flow (minimal drawdown) purging and sampling method

Position 1/4" polyethylene drop tube at **21-feet bgs**

Stabilization criteria: pH +/- 0.1; conductivity +/- 3%; DO +/- 10%; ORP +/- 10 meV

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-3

Project Name:	Vic's Automotive (Q1, 2012) Low-Flow	Date of Sampling:	2/3/2011
Job Number:	116907	Name of Sampler:	J. Sigg
Project Address:	245 8th Street, Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")		2
Wellhead Condition		▼
Elevation of Top of Casing (feet above msl)		34.25
Depth of Well		25.00
Depth to Water (from top of casing)	Before:	18.41 After:
Depth to Free Product (from top of casing)	Before:	After:
Water Elevation (feet above msl)	Before:	34.25 After: 34.25
Purging and Sampling Method	Low-Flow (Minimal Drawdown) Purging / Sampling	
Drop Tube Depth (feet bgs)	21.0	
Pump Speed (Default = 300 rpms)	150	
Estimated Purge Rate (Pump Speed * 1.67 ml/rev)	250	
Actual Volume Purged (liters)		
Appearance of Purge Water		
Free Product Present?		Thickness (ft):

GROUNDWATER SAMPLES

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Use low-flow (minimal drawdown) purging and sampling method
Position 1/4" polyethylene drop tube at **21-feet bgs**
Stabilization criteria: pH +/- 0.1; conductivity +/- 3%; DO +/- 10%; ORP +/- 10 meV

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-4

Project Name:	Vic's Automotive (Q1, 2012) Low-Flow	Date of Sampling:	2/3/2011
Job Number:	116907	Name of Sampler:	J. Sigg
Project Address:	245 8th Street, Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2	
Wellhead Condition		▼
Elevation of Top of Casing (feet above msl)	34.42	
Depth of Well	25.00	
Depth to Water (from top of casing)	Before: 19.29	After:
Depth to Free Product (from top of casing)	Before:	After:
Water Elevation (feet above msl)	Before: 34.42	After: 34.42
Purging and Sampling Method	Low-Flow (Minimal Drawdown) Purging / Sampling	
Drop Tube Depth (feet bgs)	21.0	
Pump Speed (Default = 300 rpms)	150	
Estimated Purge Rate (Pump Speed * 1.67 ml/rev)	250	
Actual Volume Purged (liters)		
Appearance of Purge Water		
Free Product Present?		Thickness (ft):

GROUNDWATER SAMPLES

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Use low-flow (minimal drawdown) purging and sampling method
Position 1/4" polyethylene drop tube at **21-feet bgs**
Stabilization criteria: pH +/- 0.1; conductivity +/- 3%; DO +/- 10%; ORP +/- 10 meV

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-5

Project Name:	Vic's Automotive (Q1, 2012) Low-Flow	Date of Sampling:	2/3/2011
Job Number:	116907	Name of Sampler:	J. Sigg
Project Address:	245 8th Street, Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")		4
Wellhead Condition		▼
Elevation of Top of Casing (feet above msl)		33.33
Depth of Well		22.00
Depth to Water (from top of casing)	Before:	17.41 After: 17.43
Depth to Free Product (from top of casing)	Before:	After:
Water Elevation (feet above msl)	Before:	33.33 After: 33.33
Purging and Sampling Method	Low-Flow (Minimal Drawdown) Purging / Sampling	
Drop Tube Depth (feet bgs)	19.0	
Pump Speed (Default = 300 rpms)	150	
Estimated Purge Rate (Pump Speed * 1.67 ml/rev)	250	
Actual Volume Purged (liters)	5	
Appearance of Purge Water	Clear	
Free Product Present?		Thickness (ft):

GROUNDWATER SAMPLES

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Use low-flow (minimal drawdown) purging and sampling method
Position 1/4" polyethylene drop tube at **19-feet bgs**
Stabilization criteria: pH +/- 0.1; conductivity +/- 3%; DO +/- 10%; ORP +/- 10 meV

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-6

Project Name:	Vic's Automotive (Q1, 2012) Low-Flow	Date of Sampling:	2/3/2011
Job Number:	116907	Name of Sampler:	J. Sigg
Project Address:	245 8th Street, Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	4	
Wellhead Condition	<input type="button" value="▼"/>	
Elevation of Top of Casing (feet above msl)	32.82	
Depth of Well	22.00	
Depth to Water (from top of casing)	Before: 16.79	After: 16.80
Depth to Free Product (from top of casing)	Before:	After:
Water Elevation (feet above msl)	Before: 32.82	After: 32.82
Purging and Sampling Method	Low-Flow (Minimal Drawdown) Purging / Sampling	
Drop Tube Depth (feet bgs)	19.0	
Pump Speed (Default = 300 rpm)	150	
Estimated Purge Rate (Pump Speed * 1.67 ml/rev)	250	
Actual Volume Purged (liters)	5	
Appearance of Purge Water	Clear	
Free Product Present?		Thickness (ft):

GROUNDWATER SAMPLES

Number of Samples/Container Size				Three (3) 40ml VOA vials			
Time	Volume Removed (liters)	Temperature (deg C)	Conductivity (uS/cm)	DO (mg/l)	pH	ORP (meV)	Comments
1220	1	19.70	417	1.17	7.45	-138.5	Clear
	2	19.66	428	1.05	7.43	-132.7	"
	3	19.64	433	.97	7.43	-130.1	"
	4	19.64	438	.90	7.42	-128.4	"
1230	5	19.65	442	.82	7.44	-127.1	"

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Use low-flow (minimal drawdown) purging and sampling method
Position 1/4" polyethylene drop tube at 19-feet bgs
Stabilization criteria: pH +/- 0.1; conductivity +/- 3%; DO +/- 10%; ORP +/- 10 meV

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-7

Project Name:	Vic's Automotive (Q1, 2012) Low-Flow	Date of Sampling:	2/3/2011
Job Number:	116907	Name of Sampler:	J. Sigg
Project Address:	245 8th Street, Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")		4
Wellhead Condition		▼
Elevation of Top of Casing (feet above msl)		33.07
Depth of Well		22.00
Depth to Water (from top of casing)	Before:	16.82 After: 16.85
Depth to Free Product (from top of casing)	Before:	After:
Water Elevation (feet above msl)	Before:	33.07 After: 33.07
Purging and Sampling Method	Low-Flow (Minimal Drawdown) Purging / Sampling	
Drop Tube Depth (feet bgs)		19.0
Pump Speed (Default = 300 rpms)		150
Estimated Purge Rate (Pump Speed * 1.67 ml/rev)		250
Actual Volume Purged (liters)		5
Appearance of Purge Water		Clear
Free Product Present?		Thickness (ft):

GROUNDWATER SAMPLES

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Use low-flow (minimal drawdown) purging and sampling method
Position 1/4" polyethylene drop tube at **19-feet bgs**
Stabilization criteria: pH +/- 0.1; conductivity +/- 3%; DO +/- 10%; ORP +/- 10 meV

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-8

Project Name:	Vic's Automotive (Q1, 2012) Low-Flow	Date of Sampling:	2/3/2011
Job Number:	116907	Name of Sampler:	J. Sigg
Project Address:	245 8th Street, Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	4
Wellhead Condition	
Elevation of Top of Casing (feet above msl)	31.73
Depth of Well	22.00
Depth to Water (from top of casing)	Before: 16.68 After:
Depth to Free Product (from top of casing)	Before: After:
Water Elevation (feet above msl)	Before: 31.73 After: 31.73
Purging and Sampling Method	Low-Flow (Minimal Drawdown) Purging / Sampling
Drop Tube Depth (feet bgs)	19.0
Pump Speed (Default = 300 rpm)	150
Estimated Purge Rate (Pump Speed * 1.67 ml/rev)	250
Actual Volume Purged (liters)	
Appearance of Purge Water	
Free Product Present?	Thickness (ft):

GROUNDWATER SAMPLES

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Use low-flow (minimal drawdown) purging and sampling method
Position 1/4" polyethylene drop tube at **19-feet bgs**
Stabilization criteria: pH +/- 0.1; conductivity +/- 3%; DO +/- 10%; ORP +/- 10 meV

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-9

Project Name:	Vic's Automotive (Q1, 2012) Low-Flow	Date of Sampling:	2/3/2011
Job Number:	116907	Name of Sampler:	J. Sigg
Project Address:	245 8th Street, Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2	
Wellhead Condition		
Elevation of Top of Casing (feet above msl)	29.02	
Depth of Well	22.00	
Depth to Water (from top of casing)	Before:	After:
Depth to Free Product (from top of casing)	Before:	After:
Water Elevation (feet above msl)	Before:	After:
Purging and Sampling Method	Low-Flow (Minimal Drawdown) Purging / Sampling	
Drop Tube Depth (feet bgs)	19.0	
Pump Speed (Default = 300 rpms)	150	
Estimated Purge Rate (Pump Speed * 1.67 ml/rev)	250	
Actual Volume Purged (liters)	5	
Appearance of Purge Water	Clear	
Free Product Present?		Thickness (ft):

GROUNDWATER SAMPLES

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Use low-flow (minimal drawdown) purging and sampling method
Position 1/4" polyethylene drop tube at **19-feet bgs**
Stabilization criteria: pH +/- 0.1; conductivity +/- 3%; DO +/- 10%; ORP +/- 10 meV

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-10

Project Name:	Vic's Automotive (Q1, 2012) Low-Flow	Date of Sampling:	2/3/2011
Job Number:	116907	Name of Sampler:	J. Sigg
Project Address:	245 8th Street, Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	4
Wellhead Condition	▼
Elevation of Top of Casing (feet above msl)	31.17
Depth of Well	22.00
Depth to Water (from top of casing)	-
Water Elevation (feet above msl)	-
Well Volumes Purged (Default = 3)	Well Not Sampled
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	
Actual Volume Purged (gallons)	
Appearance of Purge Water	
Free Product Present?	

GROUNDWATER SAMPLES

Number of Samples/Container Size							
Time	Vol Removed (gal)	Temperature (deg C)	Conductivity	DO	PH	ORP (meV)	Comments

Well plumbed to HDPE system from beneath building slab as of August 2008.

Therefore, well not used for groundwater monitoring.

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-11

Project Name:	Vic's Automotive (Q1, 2012) Low-Flow	Date of Sampling:	2/3/2011
Job Number:	116907	Name of Sampler:	J. Sigg
Project Address:	245 8th Street, Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	4
Wellhead Condition	▼
Elevation of Top of Casing (feet above msl)	31.78
Depth of Well	22.00
Depth to Water (from top of casing)	-
Water Elevation (feet above msl)	-
Well Volumes Purged (Default = 3)	Well Not Sampled
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	
Actual Volume Purged (gallons)	
Appearance of Purge Water	
Free Product Present?	

GROUNDWATER SAMPLES

Number of Samples/Container Size				DO	pH	ORP (meV)	Comments
Time	Vol Removed (gal)	Temperature (deg C)	Conductivity				

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Well plumbed to HDPE system from beneath building slab as of August 2008.

Therefore, well not used for groundwater monitoring.

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-12

Project Name:	Vic's Automotive (Q1, 2012) Low-Flow	Date of Sampling:	2/3/2011
Job Number:	116907	Name of Sampler:	J. Sigg
Project Address:	245 8th Street, Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	4
Wellhead Condition	<input type="button" value="▼"/>
Elevation of Top of Casing (feet above msl)	32.05
Depth of Well	22.00
Depth to Water (from top of casing)	-
Water Elevation (feet above msl)	-
Well Volumes Purged (Default = 3)	Well Not Sampled
Gallons Purged: formula valid only for casing sizes of 2" (.16 gal/ft), 4" (.65 gal/ft), and 6" (1.44 gal/ft)	
Actual Volume Purged (gallons)	
Appearance of Purge Water	
Free Product Present?	

GROUNDWATER SAMPLES

Number of Samples/Container Size		Time	Vol Removed (gal)	Temperature (deg C)	Conductivity	DO	PH	ORP (meV)	Comments

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Well plumbed to HDPE system from beneath building slab as of August 2008.

Therefore, well not used for groundwater monitoring.

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-13

Project Name:	Vic's Automotive (Q1, 2012) Low-Flow	Date of Sampling:	2/3/2011
Job Number:	116907	Name of Sampler:	J. Sigg
Project Address:	245 8th Street, Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")		2
Wellhead Condition		▼
Elevation of Top of Casing (feet above msl)		28.84
Depth of Well		22.00
Depth to Water (from top of casing)	Before: 14.78	After: 14.80
Depth to Free Product (from top of casing)	Before:	After:
Water Elevation (feet above msl)	Before: 28.84	After: 28.84
Purging and Sampling Method	Low-Flow (Minimal Drawdown) Purging / Sampling	
Drop Tube Depth (feet bgs)		19.0
Pump Speed (Default = 300 rpms)		150
Estimated Purge Rate (Pump Speed * 1.67 ml/rev)		250
Actual Volume Purged (liters)		5
Appearance of Purge Water	<i>Clear</i>	
Free Product Present?		Thickness (ft):

GROUNDWATER SAMPLES

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Use low-flow (minimal drawdown) purging and sampling method
Position 1/4" polyethylene drop tube at **19-feet bgs**
Stabilization criteria: pH +/- 0.1; conductivity +/- 3%; DO +/- 10%; ORP +/- 10 meV

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-14

Project Name:	Vic's Automotive (Q1, 2012) Low-Flow	Date of Sampling:	2/3/2011
Job Number:	116907	Name of Sampler:	J. Sigg
Project Address:	245 8th Street, Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2	
Wellhead Condition		▼
Elevation of Top of Casing (feet above msl)	29.53	
Depth of Well	22.00	
Depth to Water (from top of casing)	Before: 15.23	After: 15.25
Depth to Free Product (from top of casing)	Before:	After:
Water Elevation (feet above msl)	Before: 29.53	After: 29.53
Purging and Sampling Method	Low-Flow (Minimal Drawdown) Purging / Sampling	
Drop Tube Depth (feet bgs)	19.0	
Pump Speed (Default = 300 rpms)	150	
Estimated Purge Rate (Pump Speed * 1.67 ml/rev)	250	
Actual Volume Purged (liters)	5	
Appearance of Purge Water	Clear	
Free Product Present?		Thickness (ft):

GROUNDWATER SAMPLES

Number of Samples/Container Size				Three (3) 40ml VOA vials			
Time	Volume Removed (liters)	Temperature (deg C)	Conductivity (uS/cm)	DO (mg/l)	pH	ORP (meV)	Comments
0750	1	19.66	383	3.17	7.11	-143.8	Clear
	2	19.65	380	2.98	7.07	-140.1	"
	3	19.63	372	2.99	7.05	-137.6	"
	4	19.63	370	2.80	7.05	-133.4	"
0800	5	19.62	368	2.73	7.05	-130.5	"

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Use low-flow (minimal drawdown) purging and sampling method
Position 1/4" polyethylene drop tube at 19-feet bgs
Stabilization criteria: pH +/- 0.1; conductivity +/- 3%; DO +/- 10%; ORP +/- 10 meV

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-15

Project Name:	Vic's Automotive (Q1, 2012) Low-Flow	Date of Sampling:	2/3/2011
Job Number:	116907	Name of Sampler:	J. Sigg
Project Address:	245 8th Street, Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2		
Wellhead Condition			
Elevation of Top of Casing (feet above msl)	29.22		
Depth of Well	22.00		
Depth to Water (from top of casing)	Before:	15.56	After: 15.56
Depth to Free Product (from top of casing)	Before:	After:	
Water Elevation (feet above msl)	Before:	29.22	After: 29.22
Purging and Sampling Method	Low-Flow (Minimal Drawdown) Purging / Sampling		
Drop Tube Depth (feet bgs)	19.0		
Pump Speed (Default = 300 rpms)	150		
Estimated Purge Rate (Pump Speed * 1.67 ml/rev)	250		
Actual Volume Purged (liters)	5		
Appearance of Purge Water	Clear		
Free Product Present?		Thickness (ft):	

GROUNDWATER SAMPLES

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Use low-flow (minimal drawdown) purging and sampling method
Position 1/4" polyethylene drop tube at **19-feet bgs**
Stabilization criteria: pH +/- 0.1; conductivity +/- 3%; DO +/- 10%; ORP +/- 10 meV

AEI CONSULTANTS
GROUNDWATER MONITORING WELL FIELD SAMPLING FORM

Monitoring Well Number: MW-16

Project Name:	Vic's Automotive (Q1, 2012) Low-Flow	Date of Sampling:	2/3/2011
Job Number:	116907	Name of Sampler:	J. Sigg
Project Address:	245 8th Street, Oakland		

MONITORING WELL DATA

Well Casing Diameter (2"/4"/6")	2	
Wellhead Condition		
Elevation of Top of Casing (feet above msl)	28.87	
Depth of Well	22.00	
Depth to Water (from top of casing)	Before:	14.93
Depth to Free Product (from top of casing)	After:	14.95
Water Elevation (feet above msl)	Before:	28.87
Purging and Sampling Method	Low-Flow (Minimal Drawdown) Purging / Sampling	
Drop Tube Depth (feet bgs)	19.0	
Pump Speed (Default = 300 rpms)	150	
Estimated Purge Rate (Pump Speed * 1.67 ml/rev)	250	
Actual Volume Purged (liters)	5	
Appearance of Purge Water	Clear	
Free Product Present?		Thickness (ft):

GROUNDWATER SAMPLES

COMMENTS (i.e., sample odor, well recharge time & percent, etc.)

Use low-flow (minimal drawdown) purging and sampling method
Position 1/4" polyethylene drop tube at **19-feet bgs**
Stabilization criteria: pH +/- 0.1; conductivity +/- 3%; DO +/- 10%; ORP +/- 10 meV

McCAMPBELL ANALYTICAL INC.

1538 Willow Pass Road, Pittsburg, CA 94565

Telephone: (925) 252-9262

Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME

EDF Required? Yes No RUSH 24 HR 48 HR 72 HR 5 DAY

PDF Required? Yes No

Report To: Stephen Lao Bill To: AEI Consultants
 Company: AEI Consultants, 2500 Camino Diablo, Walnut Creek, CA 94597
 PO# WC083453 Global ID: T0600101143
 E-Mail: siao@aeiconsultatns.com
 Telephone: (925) 746-6026 Fax: (925) 746-6099
 Project No: 116907 Project Name: Vic's Auto (Q1, 2012)
 Project Location: 245 8th Street, Oakland, CA 94607
 Sampler Signature: *John Siao*

SAMPLE ID	FIELD POINT NAME	SAMPLING		# of Containers	Type Containers	MATRIX			METHOD PRESERVED			TPH-g & MBTEX (SW8015C/8021B)	TPH-d (SW8015C)	MTBE Only (SW8260B)	Other	Comments	
		Date	Time			Water	Soil	Air	Sludge	Other	Ice	HCl	HNO ₃	Other			
MW-1	MW-1	2-3-12	1015	3	VOA	X					X X						HVDPE Well
MW-2	MW-2		1100	3	VOA	X					X X						HVDPE Well
MW-3	MW-3																DTW Only!!!
MW-4	MW-4																DTW Only!!!
MW-5	MW-5		1145	3	VOA	X					X X						HVDPE Well
MW-6	MW-6		1230	3	VOA	X					X X						HVDPE Well
MW-7	MW-7		1315	3	VOA	X					X X						HVDPE Well
MW-8	MW-8																DTW Only!!!
MW-9	MW-9		0630	3	VOA	X					X X						
MW-13	MW-13		0715	3	VOA	X					X X						
MW-14	MW-14		0800	3	VOA	X					X X						
MW-15	MW-15		0845	3	VOA	X					X X						
MW-16	MW-16		0930	3	VOA	X					X X						

Relinquished By: *John Siao* Date: 2-3-12 Time: 1350 Received By: *Marvin Po*

Relinquished By: *John Siao* Date: Time: Received By:

Relinquished By: Date: Time: Received By:

ICE/t° GOOD CONDITION HEAD SPACE ABSENT DECHLORINATED IN LAB PRESERVATION APPROPRIATE CONTAINERS METALS OTHER PERSERVED IN LAB

APPENDIX B

LABORATORY ANALYTICAL REPORTS W/ CHAIN OF CUSTODY DOCUMENTATION



Analytical Report

AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #116907; Vic's Auto (Q1, 2012) Client Contact: Stephen Lao Client P.O.: #WC083453	Date Sampled: 02/03/12 Date Received: 02/03/12 Date Reported: 02/09/12 Date Completed: 02/08/12
--	--	--

WorkOrder: 1202081

February 09, 2012

Dear Stephen:

Enclosed within are:

- 1) The results of the **10** analyzed samples from your project: **#116907; Vic's Auto (Q1, 2012)**,
- 2) QC data for the above samples, and
- 3) A copy of the chain of custody.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing
McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

The analytical results relate only to the items tested.

1202081

McCAMPBELL ANALYTICAL INC.

1538 Willow Pass Road, Pittsburg, CA 94565

Telephone: (925) 252-9262

Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME

 RUSH 24 HR 48 HR 72 HR 5 DAY EDF Required? Yes NoPDF Required? Yes No

Report To: Stephen Lao

Bill To: AEI Consultants

Company: AEI Consultants, 2500 Camino Diablo, Walnut Creek, CA 94597

PO# WC083453

Global ID: T0600101143

E-Mail: siao@aeiconsultatns.com

Telephone: (925) 746-6026

Fax: (925) 746-6099

Project No: 116907

Project Name: Vie's Auto (Q1, 2012)

Project Location: 245 8th Street, Oakland, CA 94607Sampler Signature: *John Siao*

Analysis Request

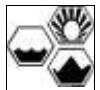
Other

Comments

SAMPLE ID	FIELD POINT NAME	SAMPLING		# of Containers	Type Containers	MATRIX		METHOD PRESERVED	TPH-g & MBTEX (SW8015C8021B)	TPH-d (SW8015C)	MTBE Only (SW8260B)		Page 1 of 1	
		Date	Time			Water	Soil	Air	Sludge	Other	Ice	HCl	HNO ₃	
MW-1	MW-1	2-3-12	1015	3	VOA	X					X X			HVDPE Well
MW-2	MW-2		1100	3	VOA	X					X X			HVDPE Well
MW-3	MW-3													DTW Only!!!
MW-4	MW-4													DTW Only!!!
MW-5	MW-5		1145	3	VOA	X					X X			HVDPE Well
MW-6	MW-6		1230	3	VOA	X					X X			HVDPE Well
MW-7	MW-7		1315	3	VOA	X					X X			HVDPE Well
MW-8	MW-8													DTW Only!!!
MW-9	MW-9		0630	3	VOA	X					X X			
MW-13	MW-13		0715	3	VOA	X					X X			
MW-14	MW-14		0800	3	VOA	X					X X			
MW-15	MW-15		0845	3	VOA	X					X X			
MW-16	MW-16		0930	3	VOA	X					X X			
Relinquished By:	<i>John Siao</i>	Date: 2-3-12	Time: 1350	Received By: <i>Melissa P.</i>										
Relinquished By:		Date:	Time:	Received By:										
Relinquished By:		Date:	Time:	Received By:										

ICE/t° 2-8 GOOD CONDITION ✓ HEAD SPACE ABSENT ✓ DECHLORINATED IN LAB ✓ VOAS ✓ O&G ✓ METALS ✓ OTHER ✓
 PRESERVATION APPROPRIATE CONTAINERS ✓ PERSISTED IN LAB ✓

McCampbell Analytical, Inc.

 1534 Willow Pass Rd
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CHAIN-OF-CUSTODY RECORD

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WaterTrax WriteOn EDF Excel Fax Email HardCopy ThirdParty J-flag

Report to:

Stephen Lao
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
(925) 283-6000 FAX: (925) 944-2895

Email: slao@aeiconsultants.com
cc:
PO: #WC083453
ProjectNo: #116907; Vic's Auto (Q1, 2012)

Bill to:

Sara Guerin
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
AccountsPayable@AEIConsultants.c

Requested TAT: **5 days**

Date Received: **02/03/2012**

Date Printed: **02/03/2012**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1202081-001	MW-1	Water	2/3/2012 10:15	<input type="checkbox"/>	A	A										
1202081-002	MW-2	Water	2/3/2012 11:00	<input type="checkbox"/>	A											
1202081-003	MW-5	Water	2/3/2012 11:45	<input type="checkbox"/>	A											
1202081-004	MW-6	Water	2/3/2012 12:30	<input type="checkbox"/>	A											
1202081-005	MW-7	Water	2/3/2012 13:15	<input type="checkbox"/>	A											
1202081-006	MW-9	Water	2/3/2012 6:30	<input type="checkbox"/>	A											
1202081-007	MW-13	Water	2/3/2012 7:15	<input type="checkbox"/>	A											
1202081-008	MW-14	Water	2/3/2012 8:00	<input type="checkbox"/>	A											
1202081-009	MW-15	Water	2/3/2012 8:45	<input type="checkbox"/>	A											
1202081-010	MW-16	Water	2/3/2012 9:30	<input type="checkbox"/>	A											

Test Legend:

1	G-MBTEX_W	2	PREDF REPORT	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Maria Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



Sample Receipt Checklist

Client Name: **AEI Consultants**

Date and Time Received: **2/3/2012 2:23:33 PM**

Project Name: **#116907; Vic's Auto (Q1, 2012)**

Checklist completed and reviewed by: **Maria Venegas**

WorkOrder N°: **1202081**

Matrix: Water

Carrier: Client Drop-In

Chain of Custody (COC) Information

- | | | |
|---|---|-----------------------------|
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Sample IDs noted by Client on COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Date and Time of collection noted by Client on COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Sampler's name noted on COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |

Sample Receipt Information

- | | | | |
|---|---|-----------------------------|--|
| Custody seals intact on shipping container/coolier? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Shipping container/coolier in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper containers/bottles? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |

Sample Preservation and Hold Time (HT) Information

- | | | | |
|---|--|-----------------------------|---|
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature | Cooler Temp: 2.8°C NA <input type="checkbox"/> | | |
| Water - VOA vials have zero headspace / no bubbles? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input type="checkbox"/> |
| Sample labels checked for correct preservation? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Metal - pH acceptable upon receipt (pH<2)? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Samples Received on Ice? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |

(Ice Type: WET ICE)

* NOTE: If the "No" box is checked, see comments below.

Comments:



AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #116907; Vic's Auto (Q1, 2012)	Date Sampled:	02/03/12
		Date Received:	02/03/12
	Client Contact: Stephen Lao	Date Extracted:	02/06/12-02/08/12
	Client P.O.: #WC083453	Date Analyzed:	02/06/12-02/08/12

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B

Analytical methods: SW8021B/8015Bm

Work Order: 1202081

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
001A	MW-1	W	220	ND	17	1.2	16	1.0	1	102	d1
002A	MW-2	W	170	ND	3.1	1.7	1.5	6.2	1	91	d1
003A	MW-5	W	1400	ND<25	100	6.7	91	35	5	114	d1
004A	MW-6	W	600	ND<15	2.5	3.1	2.7	21	1	--#	d1
005A	MW-7	W	710	ND	19	4.0	19	43	1	114	d1
006A	MW-9	W	ND	ND	ND	ND	ND	ND	1	107	
007A	MW-13	W	ND	ND	ND	ND	ND	ND	1	115	
008A	MW-14	W	200	ND	ND	7.0	ND	ND	1	--#	d9
009A	MW-15	W	ND	ND	ND	ND	ND	ND	1	115	
010A	MW-16	W	ND	ND	ND	ND	ND	ND	1	108	

Reporting Limit for DF =1: ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	μg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in μg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference. %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:
d1) weakly modified or unmodified gasoline is significant
d9) no recognizable pattern



QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 64602

WorkOrder: 1202081

EPA Method: SW8021B/8015Bm		Extraction: SW5030B		Spiked Sample ID: 1202065-023A						
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS	
TPH(btex) ^E	ND	60	121	115	5.46	119	70 - 130	20	70 - 130	
MTBE	ND	10	108	94.6	13.0	103	70 - 130	20	70 - 130	
Benzene	ND	10	112	115	2.10	108	70 - 130	20	70 - 130	
Toluene	ND	10	116	117	0.937	110	70 - 130	20	70 - 130	
Ethylbenzene	ND	10	112	116	3.57	109	70 - 130	20	70 - 130	
Xylenes	ND	30	114	116	1.63	109	70 - 130	20	70 - 130	
%SS:	107	10	108	106	1.95	105	70 - 130	20	70 - 130	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 64602 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1202081-001A	02/03/12 10:15 AM	02/07/12	02/07/12 11:28 PM	1202081-002A	02/03/12 11:00 AM	02/07/12	02/07/12 11:58 PM
1202081-003A	02/03/12 11:45 AM	02/07/12	02/07/12 7:26 PM	1202081-004A	02/03/12 12:30 PM	02/06/12	02/06/12 8:43 PM
1202081-005A	02/03/12 1:15 PM	02/06/12	02/06/12 9:41 PM	1202081-006A	02/03/12 6:30 AM	02/06/12	02/06/12 10:10 PM
1202081-007A	02/03/12 7:15 AM	02/06/12	02/06/12 10:39 PM	1202081-008A	02/03/12 8:00 AM	02/08/12	02/08/12 12:28 AM
1202081-009A	02/03/12 8:45 AM	02/06/12	02/06/12 11:37 PM	1202081-010A	02/03/12 9:30 AM	02/08/12	02/08/12 5:31 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

^E TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.