Downtown Auto Center

SUBARU 510-547-4424 • **TOYOTA** 510-547-4635 • **SAAB** 510-547-4625
4145 Broadway, Oakland, CA 94611
TEL: 510-547-4436
FAXES: Business Office: 510-653-1025 • Finance Department: 510-653-3181

RECEIVED

8:49 am, Mar 12, 2010

Alameda County
Environmental Health

March 4, 2009

Ms. Barbara Jakub
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

SUBJECT: SUBSURFACE IVESTIGATION REPORT CERTIFICATION
ACEH Case # RO 0000509
Downtown Toyota
4145 Broadway
Oakland, CA

Dear Ms. Jakub:

You will find enclosed one copy of the following document prepared by RGA Environmental, Inc.

- Subsurface Investigation Report (Boreholes B5 through B7) dated February 23, 2010.

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

Should you have any questions, please do not hesitate to call me at (510) 547-4635.

Cordially,
Classic Investments, LLC

Ralph Fattore
Managing Member

Cc: Mr. LeRoy Griffin, Oakland Fire Department, Emergency Services, 250 Frank Ogawa Plaza, Suite 3341, Oakland, CA 94612 (with enclosure)

0271.L6

February 23, 2010
Report 0271.R1
Project # PZ19226

Mr. Ralph Fattore
Classic Investments, LLC
4145 Broadway
Oakland, CA

SUBJECT: SUBSURFACE INVESTIGATION REPORT
(BOREHOLES B5 THROUGH B7)
ACDEH File #RO-509
Downtown Toyota
4145 Broadway
Oakland, CA

Dear Mr. Fattore:

RGA Environmental, Inc. (RGA) is pleased to present this report documenting the drilling and sampling at three locations designated as B5 through B7 at the subject site. Drilling activities were performed on September 30, 2008 and October 1, 2008. The boreholes were drilled for the collection of soil conductivity data and groundwater samples to define the horizontal and vertical extent of petroleum hydrocarbons in groundwater at the site. This investigation was performed in accordance with RGA's Subsurface Investigation Work Plan (B5 Through B7) dated July 19, 2007 (document 0271.W1) and a letter commenting on the work plan from the Alameda County Department of Environmental Health (ACDEH) dated July 25, 2008. A Site Location Map is attached as Figure 1, a Site Vicinity Map is attached as Figure 2, and a Site Plan Detail showing the drilling locations is attached as Figure 3. All work was performed under the direct supervision of an appropriately registered professional.

BACKGROUND

One 500-gallon underground waste oil tank was removed from the site on February 7, 1992. Historic soil and groundwater sample results are summarized in Tables 1 and 2, respectively. A detailed discussion of historic investigations at the site is provided in RGA's Subsurface Investigation Work Plan dated July 19, 2007 (document 0271.W1).

FIELD ACTIVITIES

Prior to drilling, Alameda County Public Works Agency (ACPWA) permit W2008-0694 was obtained for the drilling of boreholes B5, B6 and B7, and permits were obtained from the City of Oakland (City) for drilling in the public right-of-way. In addition, the drilling locations were marked with white paint, Underground Service Alert was notified for underground utility location, a health and safety plan was prepared, and notification of the scheduled drilling date was provided to the City, the ACPWA and the ACDEH.

Soil Borings

Drilling activities were performed on September 30, 2008 and October 1, 2008. All subsurface exploration (continuous coring, soil conductivity logging and Hydropunch sample collection) for boreholes B5 through B7 was performed by Vironex, Inc. of Pacheco, California using GeoProbe direct push technology.

On September 30, 2008 RGA personnel oversaw the drilling of a total of two borings, designated as B5 and B6, at locations shown on Figure 3. The boreholes were continuously cored to depths of 15.0 and 20.0 feet below the ground surface (bgs), respectively, using Geoprobe Macrocore barrel samplers lined with transparent PVC sleeves. Groundwater was encountered in B5 during drilling at a depth of 10.5 feet bgs, and was subsequently measured in the borehole at a depth of 9.6 feet bgs. Groundwater was not encountered during drilling in borehole B6, and was subsequently measured in the borehole at a depth of 8.7 feet bgs. The soil from the boreholes was logged in the field in accordance with standard geologic field techniques and the Unified Soil Classification System. The soil from the boreholes was evaluated with a Photoionization Detector (PID) equipped with a 10.6 eV bulb and calibrated with a 100 ppm isobutylene standard. The soil was also evaluated for other evidence of petroleum hydrocarbon contamination such as odors, staining, and discoloration. No elevated PID values, odors, staining, or discoloration was detected in borehole B6. However, in borehole B5 between the depths of 10.5 and 11.5 feet bgs a slight petroleum hydrocarbon odor, a PID value of 2 ppm, and bluish-green discoloration were encountered. Copies of the boring logs are attached with this report as Appendix A.

One groundwater grab sample was collected from each of the boreholes using a temporary slotted PVC pipe and a polyethylene tube with a stainless steel check valve. The samples were transferred from the tubing into 40-milliliter VOAs and 1-liter amber glass bottles preserved with hydrochloric acid and capped with Teflon-lined screw caps. All sample containers were clean and provided by the laboratory. The VOAs were overturned and tapped to ensure that no air bubbles were present. The samples were then stored in a cooler with ice, pending delivery to the laboratory. Chain of custody procedures were observed for all sample handling.

On October 1, 2008, RGA personnel returned to the site and observed Vironex, Inc. pushing a soil conductivity probe at location B7 to a total depth of 56.0 feet bgs, at which depth probe refusal was encountered. A copy of the soil conductivity log is attached with this report as Appendix B. The soil conductivity probe was then removed and the borehole filled with neat cement using a tremie pipe. At a location approximately 2.0 feet away from the soil conductivity probe hole, a borehole was continuously cored using a Geoprobe dual tube Macrocore barrel

samplers lined with transparent PVC sleeves to a refusal depth of 20.0 feet bgs, and then continuously cored from 20.0 to 30.0 feet bgs using Geoprobe Macrocore barrel samplers lined with transparent PVC sleeves. Groundwater was encountered in the borehole during drilling at a depth of 25.0 feet bgs.

The continuously cored borehole was logged using procedures described above. Between the depths of 9.5 and 10.0 feet bgs elevated PID values of 228 ppm, strong petroleum hydrocarbon odors, staining, and discoloration were encountered. One soil sample was retained from the continuous core from between the depths of 9.5 and 10.0 feet bgs by cutting the transparent PVC sleeve for portion of the core corresponding to the specified depth interval, and sequentially covering the ends of the selected interval with aluminum foil and plastic end caps. The sample was then labeled and stored in a cooler with ice, pending delivery to the laboratory. Chain of custody procedures were observed for all sample handling.

At a location approximately 2.0 feet from the continuously cored B7 borehole a Hydropunch was pushed to a depth of 29.0 feet. Prior to retracting the Hydropunch exterior rod to expose the Hydropunch screen, the interior of the drilling rods were evaluated for the presence of water using an electric water level indicator. No water was detected in the drilling rods. The exterior Hydropunch rod was then retracted 4.0 feet to expose the Hydropunch screen for the interval from 29.0 to 25.0 feet bgs. The water level was subsequently measured in the Hydropunch rods at a depth of 12.0 feet bgs prior to collection of groundwater sample B7-25W using procedures described above for the polyethylene tube with a stainless steel check valve.

At a different location also approximately 2.0 feet from the continuously cored B7 borehole a different Hydropunch was driven to a depth of 44.0 feet bgs. No water was detected in the drilling rods prior to retracting the drilling rods to expose the Hydropunch screen. The exterior Hydropunch rod was then retracted 4.0 feet to expose the Hydropunch screen for the interval from 44.0 to 40.0 feet bgs. The water level was subsequently measured in the Hydropunch rods at a depth of 19.0 feet bgs after collection of groundwater sample B7-40W using procedures described above for the polyethylene tube with a stainless steel check valve.

Following completion of Hydropunch sample collection, the boreholes were filled with neat cement grout using the Hydropunch as a tremie pipe. All drilling and sampling equipment was cleaned with an Alconox solution followed by a clean water rinse prior to use in each borehole. Mr. Ron Smalley of the ACWD was not on site to observe grouting procedures on September 30, 2008, due to a schedule conflict. Soil generated during drilling was stored in a drum at the site pending characterization and disposal.

Investigation Waste Disposal

On October 30, 2008 one drum of soil cuttings was removed from the site as non-hazardous waste by Clearwater Environmental, Inc. of Union City California to the Alviso Independent Oil facility in Alviso, California using non-hazardous waste manifest 6201. A copy of the non-hazardous waste manifest is attached with this report as Appendix C.

GEOLOGY AND HYDROGEOLOGY

Based on review of regional geologic maps from U. S. Geological Survey Professional Paper 943, "Flatland Deposits - Their Geology and Engineering Properties and Their Importance to Comprehensive Planning," by E. J. Helley and K. R. Lajoie, 1979, the subject site is underlain by late Pleistocene Alluvium (Qpa), which is described as weakly consolidated slightly weathered poorly sorted irregularly interbedded clay, silt, sand, and gravel.

The subsurface materials encountered in boreholes B5, B6 and B7 consisted of clay, silty clay, silty sand, clayey sand, and some gravel. In boreholes B5 and B6, beneath a 1.5-foot thick surface layer of concrete and gravel baserock, sandy clay was encountered to a depth of 7.0 feet bgs. This was underlain in B5 and B6 by silty sand to depths of 9.0 and 12.0 feet bgs, respectively. In B5, sandy clay was then present from 9.0 to 10.5 feet, followed by clayey sand to 11.5 feet, and sandy clay to its total depth of 15.0 feet. In B6, silty clay was encountered between 12.0 and 20.0 feet (total depth), interrupted by an interval of clayey gravel between 15.5 and 16.0 feet bgs.

In borehole B7, the surface layer of concrete and gravel was underlain by silty sand with gravel from 1.0 to 2.0 feet bgs, followed by sandy, silty clay to 9.0 feet bgs. Silty sand with gravel was encountered from 9.0 to 11.0 feet, followed by hard silt to 25.0 feet depth. Blue-green staining and petroleum hydrocarbon odor were noted in B7 in the silty sand between 9.5 and 10.0 feet bgs, as they were in the clayey sand interval between 10.5 to 11.5 feet depth in borehole B5. Below 25 feet depth in borehole B7, fine sand was encountered from 25.0 to 27.0 feet, underlain by clayey silt to 28.0 feet, silty sand to 29.5 feet, and silty clay to 30.0 feet (total depth).

Groundwater was encountered during drilling of boreholes B5 and B7 at depths of 10.5 and 25.0 feet bgs, respectively, while groundwater was not encountered during drilling of borehole B6. Water levels were subsequently measured in B5 and B6 between 15 and 30 minutes after completion of drilling at depths of 9.6 and 8.7 feet bgs, respectively. No subsequent water level measurement was made in the continuously cored portion of borehole B7. Groundwater was measured in the rods for the two Hydropunches at location B7 at a depth of 19.0 feet bgs before sampling in one Hydropunch and at a depth of 12.0 feet bgs after sampling in the other Hydropunch.

There are no groundwater monitoring wells at the site to provide historical groundwater level measurements. Groundwater was encountered in the UST pit in 1992 at a depth of 10 feet bgs. Groundwater was reported by others to have been encountered at a depth of 11 feet bgs in 9 of the 14 boreholes associated with the February 1994 subsurface investigation at the site. Groundwater was reported to not have been encountered in the remaining 5 boreholes. No subsequent water levels were reported in the boreholes for the investigation, and no boring logs were available for review with the report. In borings drilled at the site in October 1999 by others, water was reported to have been encountered during drilling in 3 of the 4 borings at depths ranging from 9.5 to 13.8 feet bgs, and was subsequently reported on the boring logs at depths ranging from 8.7 to 12.8 feet bgs.

At the nearby site at 3943 Broadway, approximately 850 feet south of the subject site, water level measurements reported between November 2001 and June 2008 in 12 groundwater monitoring wells typically ranged between approximately 8 and 11 feet bgs, with most measurements between

either 8 and 10 feet bgs or 9 and 11 feet bgs. Based on water level measurements in the groundwater monitoring wells at 3943 Broadway, the groundwater flow direction calculated by others in the vicinity of the subject site has ranged from the west-southwest to the southwest. Nearby water surfaces that are located downgradient from the subject property include Glen Echo Creek, located approximately 2,200 feet to the southeast of the site and Lake Merritt, located approximately 8,200 feet to the south.

For the soil conductivity logging, GeoProbe has suggested the following correlation between soil type and soil conductivity.

Coarse Sand = 75 ms/m (Milli-Siemens per meter)

Silty Sand = 76-150 ms/m (Milli-Siemens per meter)

Silty Clay = 151-200 ms/m (Milli-Siemens per meter)

Clay = 200 and greater ms/m (Milli-Siemens per meter)

Comparison of the soil conductivity log with the drilled soil cores of borehole B7 shows reasonable correlation of the decreased conductivity log values with the observed depths at which coarse-grained materials were encountered at depths ranging between 9.0 to 11.0 feet bgs and between 25.0 to 29.0 feet bgs. Soil boring B7 was continuously cored to a depth of 30.0 feet bgs.

Review of the soil conductivity log for borehole B7 shows that silty sand and coarse sand are the main constituents at depths between approximately 4 and 14 feet. Below this depth, silty sand and silty clay predominate to the 56-foot total depth of the log. Comparison with the lithology recorded in the boring log of B7 to 30.0 feet bgs shows that silty clay observed between 4.0 and 9.0 feet bgs was shown as coarser-grained material (silty sand) in the soil conductivity log; also, a spike in soil conductivity at 9.0 feet bgs does not correspond to any observed clay interval there, but is at a depth where there is a change in soil type, as well as soil staining and odor. Between 10.0 and 14.0 feet bgs, the soil conductivity log shows an interval of coarse sand, which is not confirmed by observations recorded in the boring log. Between 25.0 and 30.0 feet bgs, the soil conductivity and boring logs both show a coarsening of materials relative to the immediately overlying material, although in the boring log clay and silt are interlayered with sand and silty sand there. Beneath 30.0 feet bgs, the soil conductivity log shows silty clay and clay predominating from approximately 31.0 to 39.0 feet and 46.0 to 49.0 feet bgs, with coarser-grained materials (silty sand) present from 39.0 to 44.0 feet and 50.0 to 56.0 feet bgs.

LABORATORY ANALYSIS

The one soil sample and the four groundwater samples were analyzed at McCampbell Analytical, Inc. in Pittsburg, California. McCampbell Analytical, Inc. is a state-accredited hazardous waste testing laboratory. The samples were analyzed for Total Petroleum Hydrocarbons as Gasoline (TPH-G) using EPA Method 5030B in conjunction with modified EPA Method 8015C, for Total Petroleum Hydrocarbons as Diesel (TPH-D) and Total Petroleum Hydrocarbons as Bunker Oil (TPH-BO) using EPA Methods 3510C and 3550C in conjunction with EPA Method 8015B, and for

benzene, toluene, ethylbenzene, xylenes (BTEX), fuel oxygenates (including methyl tert-butyl ether (MTBE) and lead scavengers) using EPA Method 5030B in conjunction with EPA Method 8260B. The soil sample results are summarized in Table 3, and the groundwater sample results are summarized in Table 4. Copies of the laboratory analytical reports and chain of custody documentation are attached with this report as Appendix D.

DISCUSSION AND RECOMMENDATIONS

Review of Tables 1 and 3 shows that no contaminants have been detected in any soil samples at concentrations exceeding their respective RWQCB Table A May 2008 commercial/industrial land use Environmental Screening Level (ESL) concentrations. Review of Table 2 shows that MBTEX compounds are almost entirely absent in the historical groundwater samples, and exceed RWQCB Table A May 2008 ESL concentrations only in the following instances:

- 7.8 ug/L MTBE in B1 (where ESL = 5.0 ug/L)
- 1.6 ug/L benzene in PS07 (where ESL = 1.0 ug/L)
- 45 ug/l toluene in PS08 (where ESL = 40 ug/L)
- 130 ug/l xylenes in PS08 (where ESL = 20 ug/L)

Similarly, review of Table 4 shows that MBTEX compounds were not detected in any of the groundwater samples associated with the current investigation with the exception of 0.67 and 0.80 ug/L toluene at locations B5 and B7 at a depth of 25 feet bgs, respectively. Neither of these concentrations exceed their respective ESL value.

Review of TPH groundwater concentrations in both Tables 3 and 4 shows that TPH concentrations have been detected historically and during the current investigation at concentrations exceeding their respective RWQCB Table A May 2008 ESL values. TPH-G, TPH-D, and TPH-MO/BO groundwater concentrations are shown in Figures 4, 5, and 6, respectively. Review of Figures 4 and 5 shows that concentrations exceeding the TPH-G and TPH-D ESL values of 100 ug/L are limited to the immediate vicinity of the area immediately to the south-southwest of the former waste oil UST pit and appear to be defined by sample results that are below the respective ESL value or that show lateral attenuation rates indicating that the horizontal extent has been defined in groundwater.

In Figure 6, both TPH-MO and TPH-BO values are shown because the historical water quality results did not include TPH-BO, and the current investigation water quality results did not include TPH-MO. The isoconcentration contours in Figure 6 show that the TPH-MO and TPH-BO concentrations exceeding 1,000 ug/L are defined and limited to the area coincident with TPH-G and TPH-D concentrations that exceed their respective RWQCB Table A May 2008 ESL values. Although the Figure 6 100 ug/L isoconcentration contour is not defined to the south and southeast of the site, the concentrations in boreholes B1, B5 and B6 suggest that TPH-MO and TPH-BO concentrations attenuate to below the ESL of 100 ug/L beneath Broadway.

The absence of detectable analytes in the groundwater sample collected at a depth of 40 feet bgs at location B7 (located in the general area where first-encountered groundwater TPH concentrations

typically exceed 1,000 ug/L) indicates that the vertical extent of TPH and MBTEX in groundwater has been defined at the site.
Based on the complete absence of TPH and MBTEX compounds in all of the soil samples collected at the site, the general absence of MBTEX in all of the groundwater samples collected at the site, the limited number of MBTEX compounds exceeding their respective ESL values, the limited degree to which MBTEX compound ESL values are exceeded, and the defined and limited horizontal and vertical extent of TPH in groundwater, RGA recommends that no further action be performed and that the case be closed.

DISTRIBUTION

A copy of this report will be uploaded to the ACDEH website, in accordance with ACDEH requirements. In addition, a copy of this report will be uploaded to the GeoTracker database.

LIMITATIONS

This report was prepared solely for the use of Classic Investments, LLC. The content and conclusions provided by RGA in this assessment are based on information collected during our investigation, which may include, but not be limited to, visual site inspections; interviews with site owner, regulatory agencies and other pertinent individuals; review of available public documents; subsurface exploration and our professional judgment based on said information at the time of preparation of this document. Any subsurface sample results and observations presented herein are considered to be representative of the area of investigation; however, geological conditions may vary between boreholes and may not necessarily apply to the general site as a whole. If future subsurface or other conditions are revealed which vary from these findings, the newly revealed conditions must be evaluated and may invalidate the findings of this report.

This report is issued with the understanding that it is the responsibility of the owner, or his representative, to ensure that the information contained herein is brought to the attention of the appropriate regulatory agencies, where required by law. Additionally, it is the sole responsibility of the owner to properly dispose of any hazardous materials or hazardous wastes left onsite, in accordance with existing laws and regulations.

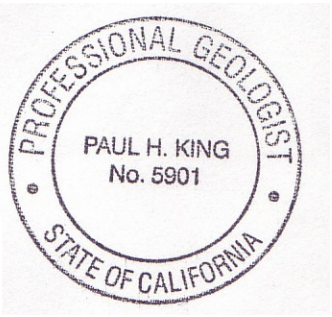
This report has been prepared in accordance with generally accepted practices using standards of care and diligence normally practiced by recognized consulting firms performing services of a similar nature. RGA is not responsible for the accuracy or completeness of information provided by other individuals or entities which is used in this report. This report presents our professional judgment based upon data and findings identified in this report and interpretation of such data based upon our experience and background, and no warranty, either express or implied, is made. The conclusions presented are based upon the current regulatory climate and may require revision if future regulatory changes occur.

February 23, 2010
Report 0271.R1
Project # PZ19226

Should you have any questions, please do not hesitate to contact us at (510) 547-7771.

Sincerely,
RGA Environmental, Inc.

Paul H. King
Professional Geologist # 5901
Expires: 12/31/11



Karin Schroeter
Project Manager

Attachments:

Table 1: Summary of Historical Soil Sample Results
Table 2: Summary of Historical Groundwater Sample Results
Table 3: Summary of Current Investigation Soil Sample Results
Table 4: Summary of Current Investigation Groundwater Sample Results

Figure 1: Site Location Map
Figure 2: Site Vicinity Map
Figure 3: Site Plan Detail Showing Borehole Locations
Figure 4: Site Plan Detail Showing TPH-G Concentrations in Shallow Groundwater
Figure 5: Site Plan Detail Showing TPH-D Concentrations in Shallow Groundwater
Figure 6: Site Plan Detail Showing TPH-BO/MO Concentrations in Shallow Groundwater

Appendix A: Soil Boring Logs
Appendix B: Soil Electric Conductivity Log
Appendix C: Drum Disposal Manifest
Appendix D: Laboratory Analytical Reports and Chain of Custody Documentation

PHK/
0271.R1

TABLES

Table 1
Summary of Historical Soil Sample Results

Soil Boring	Sample Depth (ft)	Date Sampled	Sample ID	TPH-G	TEH-D	TEH-MO	TRPH	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes
PS01	4 - 5	2/2/1994	PS01-04	ND<0.50	ND<10	ND<10	ND<30	NA	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
PS02	4 - 5	2/2/1994	PS02-04	ND<0.50	ND<10	ND<10	ND<30	NA	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
PS03	4 - 5	2/2/1994	PS03-04	ND<0.50	ND<10	ND<10	ND<30	NA	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
PS04	4 - 5	2/2/1994	PS04-04	32, *	ND<10	ND<10	ND<30	NA	ND<0.0050	0.0065	0.015	0.14
PS04	9 - 10	2/2/1994	PS04-09	11, *	NA	NA	NA	NA	ND<0.0050	0.0074	ND<0.0050	0.0096
B-1	7	10/25/1999	B-1	ND<1.0	ND<1.0	ND<5.0	NA	ND<0.05	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
B-2	9	10/25/1999	B-2	58	33	48	NA	ND<0.05	ND<0.0050	0.081	0.012	ND<0.0050
B-3	8.5	10/25/1999	B-3	ND<1.0	ND<1.0	ND<5.0	NA	ND<0.05	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
B-4	12.5	10/25/1999	B-4	ND<1.0	ND<1.0	ND<5.0	NA	ND<0.05	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
ESL [1]				*83*	*83*	*250*	*2,500*	*0.023*	*0.044*	*2.9*	*3.3*	*2.3*
ESL [2]				*83*	*83*	*5,000*	*5,000*	*0.023*	*0.044*	*2.9*	*3.3*	*2.3*

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TEH-D = Total Extractable Hydrocarbons as Diesel.
TEH-MO = Total Extractable Hydrocarbons as Motor Oil
TRPH = Total Recoverable Petroleum Hydrocarbons.
MTBE = tert-Butyl Methyl Ether
ND = Not Detected.
NA = Not Analyzed.
NR = Not Reported.
* = Laboratory Analytical Reporting Note: not typical gasoline.
ESL [1] = Environmental Screening Level, developed by San Francisco Bay – Regional Water Quality Control Board (SF-RWQCB)
updated May 2008, from Table A– Shallow Soil Screening Levels, Groundwater is a current or potential source of drinking water. Commercial/ Industrial Land Use.
ESL [2] = Environmental Screening Level, developed by San Francisco Bay – Regional Water Quality Control Board (SF-RWQCB)
updated May 2008, from Table C– Deep Soil Screening Levels, Groundwater is a current or potential source of drinking water. Commercial/ Industrial Land Use.
BOLD = Concentration in excess of applicable ESL.
Results are in mg/Kg (milligrams per kilogram), unless otherwise indicated.

Table 2
Summary of Historical Groundwater Sample Results

Soil Boring	Sample Depth	Sampling Date	Sample ID	TPH-G	TEH-D	TEH-MO	TRPH	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes
PS01	NR	2/2/1994	PW01-020294	65	**500**	**180 *****	ND<**1,000**	NA	ND<0.30	ND<0.30	ND<0.30	1.0
PS02	NR	2/2/1994	PW02-020294	ND<50	ND<50	ND<**100**	ND<**1,000**	NA	ND<0.30	0.37	0.30	1.2
PS03	NR	2/2/1994	PW03-020294	**2,400***	**250****	**110*****	ND<**1,000**	NA	0.57	0.89	1.4	3.0
PS04	NR	2/2/1994	Not Sampled-Dry Borehole	NA	NA	NA	NA	NA	NA	NA	NA	NA
PS05	NR	2/2/1994	PW05-020294	NA	NA	NA	NA	NA	NA	NA	NA	NA
PS06	NR	2/2/1994	PW06-020294	ND<50	**160**	ND<**100**	ND<**1,000**	NA	0.49	0.57	ND<0.30	1.5
PS07	NR	2/2/1994	PW07-020294	**4,200***	**1,000****	**1,700**	**2,900**	NA	**1.6**	5.6	ND<1.5	18
PS08	NR	2/2/1994	PW08-020294	**16,000***	**50,000****	**36,000**	**520,000**	NA	ND<**15**	**45**	ND<1.5	**130**
PS09	NR	2/2/1994	PW09-020294	**350***	91**	**100**	ND<**1,000**	NA	ND<0.30	ND<0.30	0.66	3.2
PS10	NR	2/2/1994	Not Sampled-Dry Borehole	NA	NA	NA	NA	NA	NA	NA	NA	NA
PS11	NR	2/2/1994	Not Drilled	NA	NA	NA	NA	NA	NA	NA	NA	NA
PS12	NR	2/2/1994	PW12-020294	66*	ND<50	ND<**100**	ND<**1,000**	NA	0.62	ND<0.30	ND<0.30	2.2
B-1	8.7	10/25/1999	B-1	ND<50	**130**	**400**	NA	**7.8**	ND<0.5	ND<0.5	ND<0.5	ND<0.5
B-2	9.5	10/25/1999	B-2	**5,200**	**8,600**	**11,000**	NA	ND<**5.0**	ND<0.5	ND<0.5	ND<0.5	9.6
B-3	8.9	10/25/1999	B-3	**110**	**1,600**	**2,200**	NA	ND<**5.0**	ND<0.5	0.76	ND<0.5	ND<0.5
B-4	12.8	10/25/1999	B-4	ND<50	**140**	**340**	NA	ND<**5.0**	ND<0.5	0.6	ND<0.5	ND<0.5
ESL				*100*	*100*	*100*	*100*	*5.0*	*1.0*	*40*	*30*	*20*

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TEH-D = Total Extractable Hydrocarbons as Diesel.
TEH-MO = Total Extractable Hydrocarbons as Motor Oil
TRPH = Total Recoverable Petroleum Hydrocarbons.
MTBE = tert-Butyl Methyl Ether
ND = Not Detected.
NA = Not Analyzed.
NR = Not Reported.
* = Laboratory Analytical Reporting Note: not typical gasoline.
** = Laboratory Analytical Reporting Note: not typical diesel.
*** = Laboratory Analytical Reporting Note: oil-range product similar to synthetic motor oil.
ESL [1] = Environmental Screening Level, developed by San Francisco Bay – Regional Water Quality Control Board (SF-RWQCB) updated May 2008, from Table A– Groundwater Screening Levels, Groundwater is a current or potential source of drinking water.
BOLD = Concentration in excess of applicable ESL.
Results are in µg/L (micrograms per Liter), unless otherwise indicated.

Table 3
Summary of Current Investigation Soil Sample Results

Soil Boring	Sample Depth (ft)	Date Sampled	Sample ID	TPH-G	TPH-D	TPH-BO	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes
B7	10	10/1/2008	B7-10	11, a	1.2, b, c	4.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
ESL				*83*	*83*	*5,000*	*0.023*	*0.044*	*2.9*	*3.3*	*2.3*

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Extractable Hydrocarbons as Diesel.
TPH-BO = Total Extractable Hydrocarbons as Bunker Oil
MTBE = tert-Butyl methyl ether.
ND = Not Detected.
NA = Not Analyzed.
NR = Not Reported.
a = Laboratory Analytical Reporting Note: strongly aged gasoline or diesel-range compounds are significant in the TPH-G chromatogram.
b = Laboratory Analytical Reporting Note: diesel-range compounds are significant; no recognizable pattern.
c = Laboratory Analytical Reporting Note: Sttodard solvent/ mineral spirits
ESL = Environmental Screening Level, developed by San Francisco Bay – Regional Water Quality Control Board (SF-RWQCB)
updated May 2008, from Table C– Deep Soil Screening Levels, Groundwater is a current or potential source of drinking water. Commercial/ Industrial Land Use.
BOLD = Concentration in excess of applicable ESL.
Results are in mg/Kg (milligrams per kilogram), unless otherwise indicated.

Table 4
Summary of Current Investigation Groundwater Sample Results

Soil Boring	Sample Depth	Sampling Date	Sample ID	TPH-G	TPH-D	TPH-BO	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes
B5	10	9/30/2008	B5W	ND<50	77, b, d	**500**	ND<0.5	ND<0.5	0.67	ND<0.5	ND<0.5
B6	13	9/30/2008	B6W	ND<50	59, b	**230**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
B7	25	10/1/2008	B7-25W	ND<50	**170, b**	**280**	ND<0.5	ND<0.5	0.80	ND<0.5	ND<0.5
B7	40	10/1/2008	B7-40W	ND<50	ND<50	ND<**100**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
ESL				*100*	*100*	*100*	*5.0*	*1.0*	*40*	*30*	*20*

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Extractable Hydrocarbons as Diesel.
TPH-BO = Total Extractable Hydrocarbons as Bunker Oil
MTBE = tert-Butyl methyl ether.
ND = Not Detected.
NA = Not Analyzed.
NR = Not Reported.
a = Laboratory Analytical Reporting Note: diesel-range compounds are significant; no recognizable pattern.
d = Laboratory Analytical Reporting Note: oil-range compounds are significant.
ESL = Environmental Screening Level, developed by San Francisco Bay – Regional Water Quality Control Board (SF-RWQCB) updated May 2008, from Table A– Groundwater Screening Levels, Groundwater is a current or potential source of drinking water.
BOLD = Concentration in excess of applicable ESL.
Results are in µg/L (micrograms per Liter), unless otherwise indicated.

FIGURES

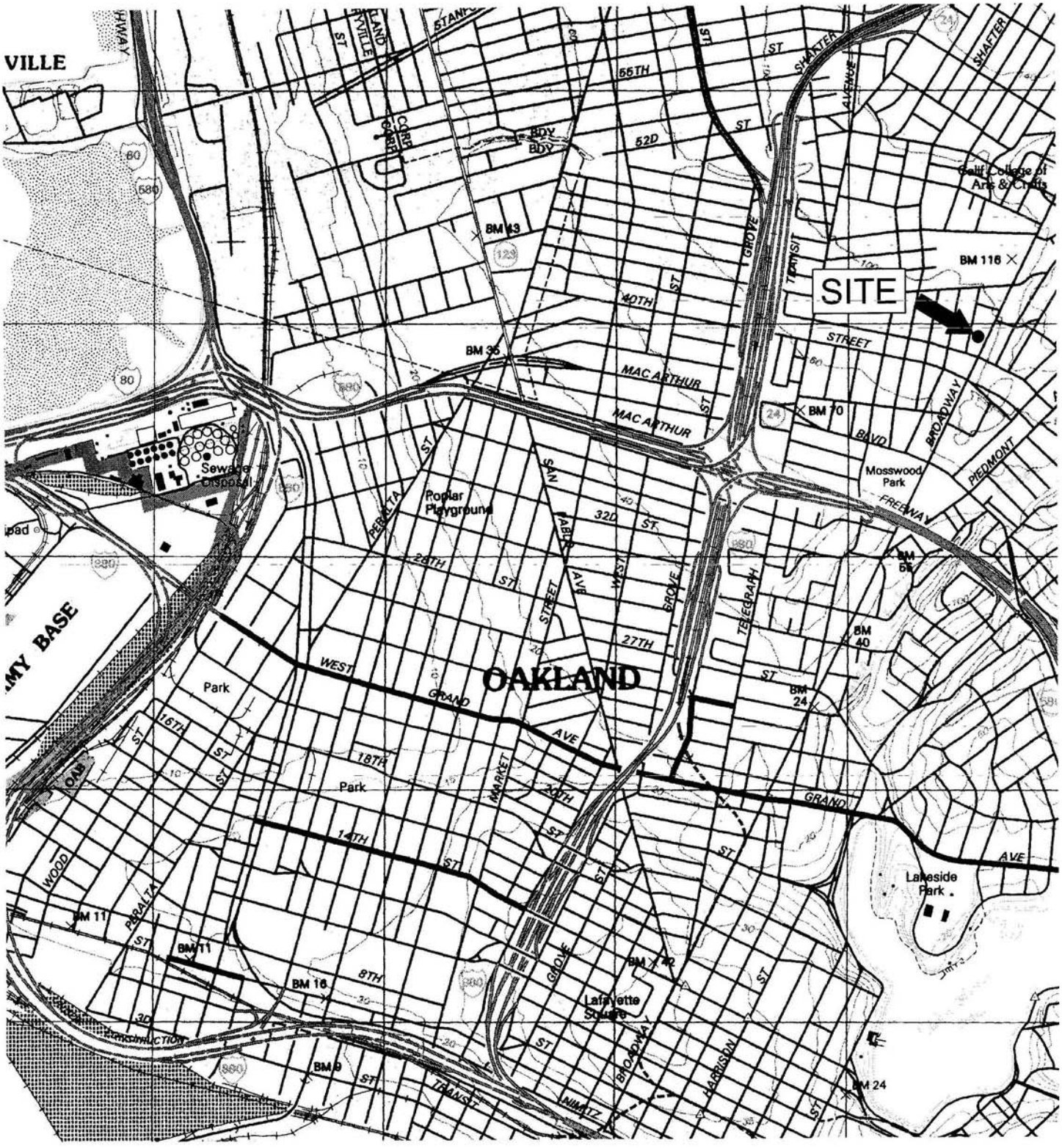


Figure 1
Site Location Map
Downtown Toyota
4145 Broadway
Oakland, California

N

Base Map from:
U.S. Geological Survey
Oakland West, California
7.5-Minute Quadrangle
Photorevised 1993

RGA Environmental, Inc.
1466 66th Street
Emeryville, CA 94608

0 1,000 2,000
Scale in Feet

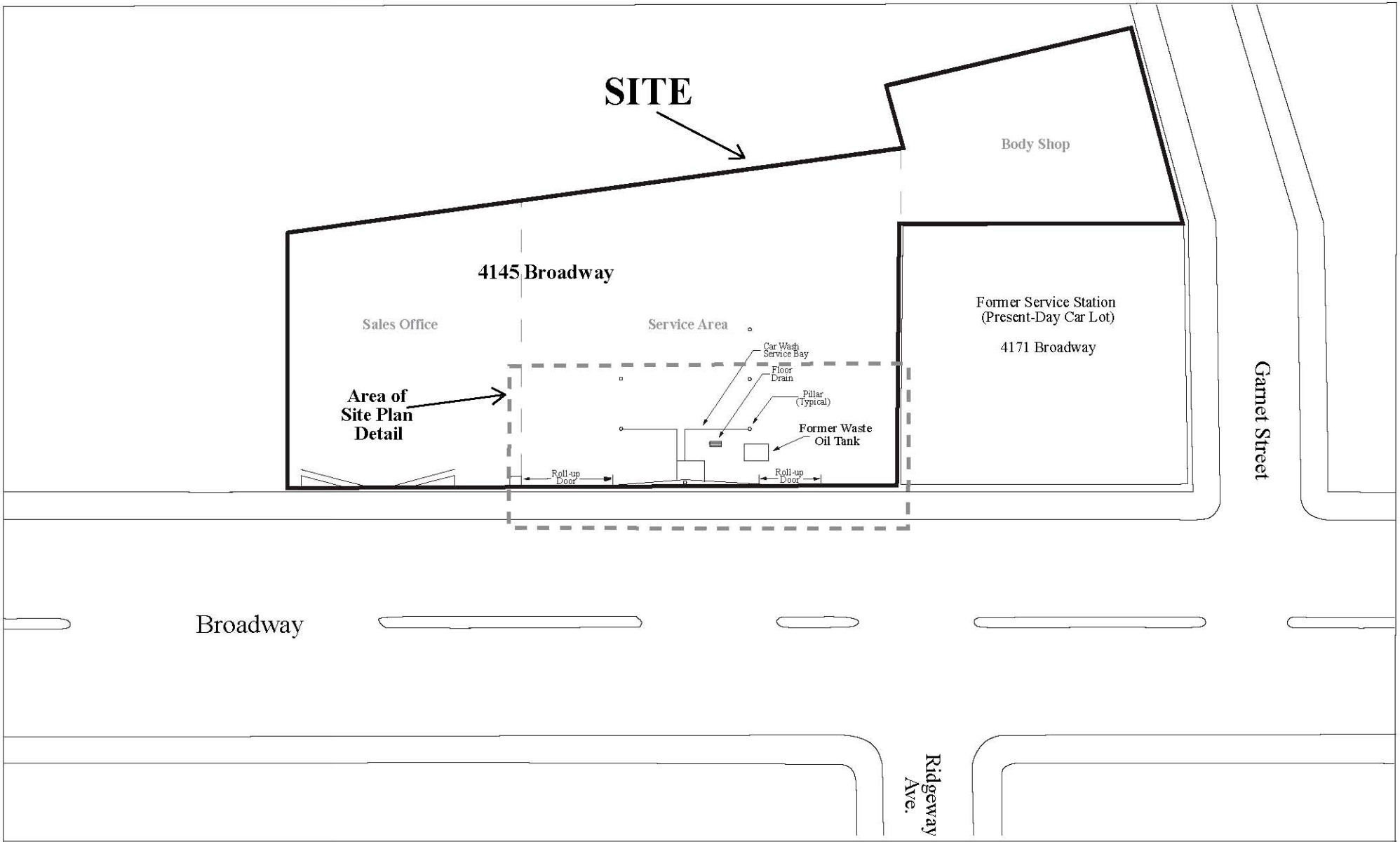
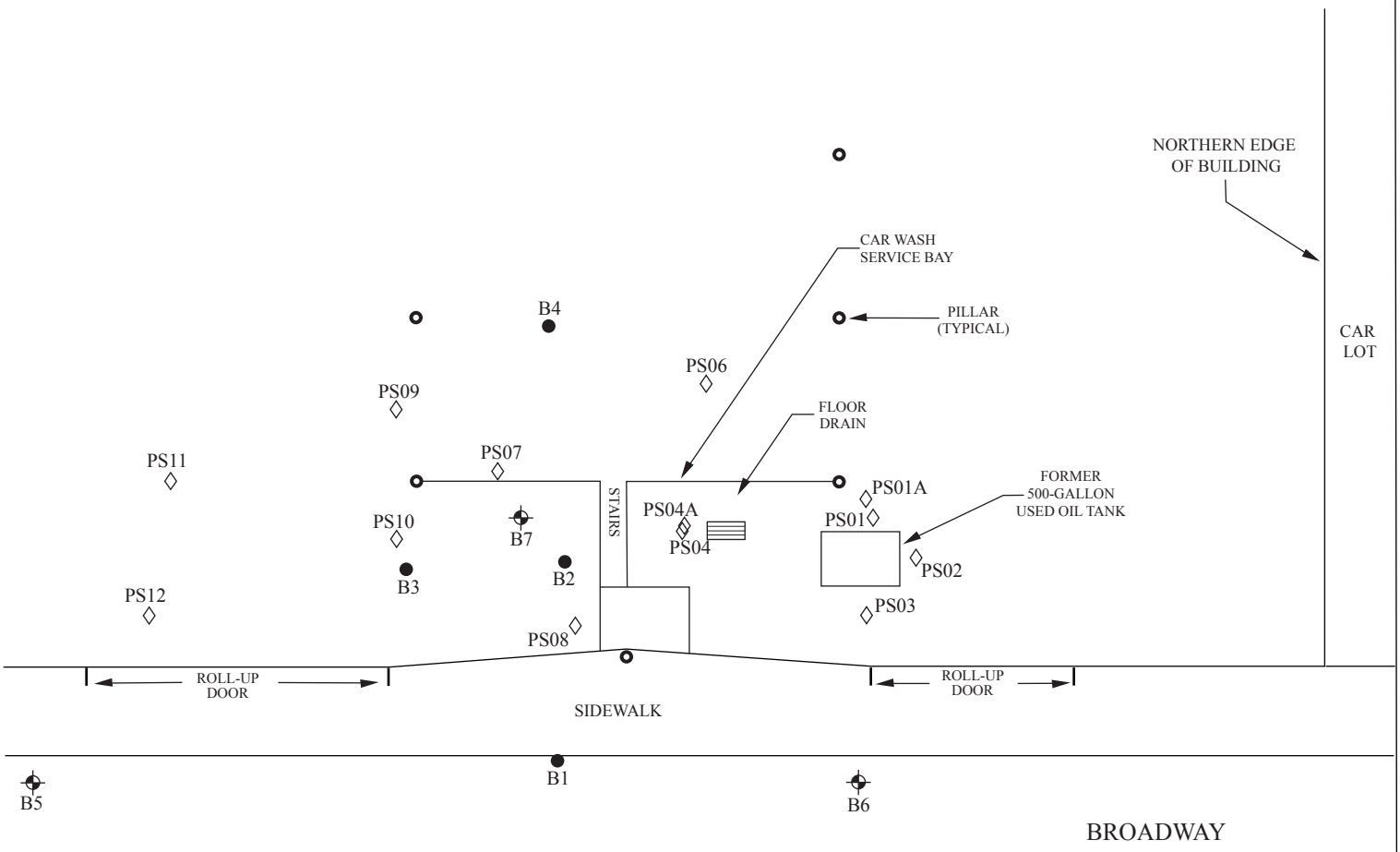


Figure 2
Site Vicinity Map
Downtown Toyota
4145 Broadway
Oakland, California

N

RGA Environmental, Inc.
1466 66th Street
Emeryville, CA 94608

0 25 50
Scale in Feet



LEGEND

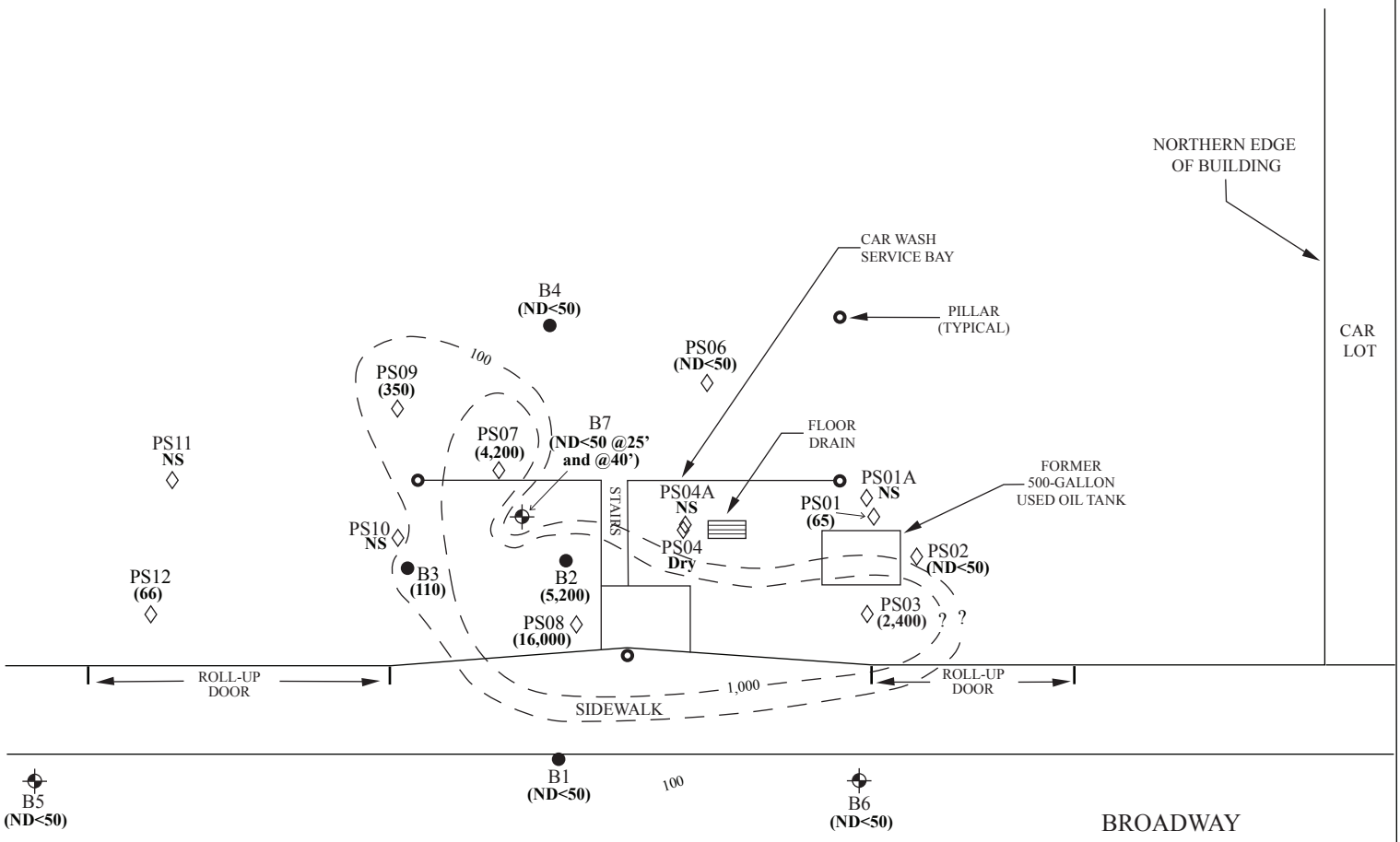
- PS12 — Borehole, Previous Investigation (Burlington, 1994)
- B4 — Borehole, Previous Investigation (Geo-Logic, 1999)
- B7 — Borehole, Current Investigation

Figure 3
Site Plan Detail Showing Borehole Locations
Downtown Toyota
4145 Broadway
Oakland, California

N

RGA Environmental, Inc.
1466 66th Street
Emeryville, CA 94608

0 10 20
Scale in Feet



LEGEND

(16,000)	TPH-G in Groundwater (ug/L)
— — –	TPH-G Isoconcentration Contour (ug/L)
(ND<50)	Not Detected, Showing Detection Limit
NS	Not Sampled
◊ PS12	Borehole, Previous Investigation (Burlington, 1994)
● B4	Borehole, Previous Investigation (Geo-Logic, 1999)
⌖ B7	Borehole, Current Investigation

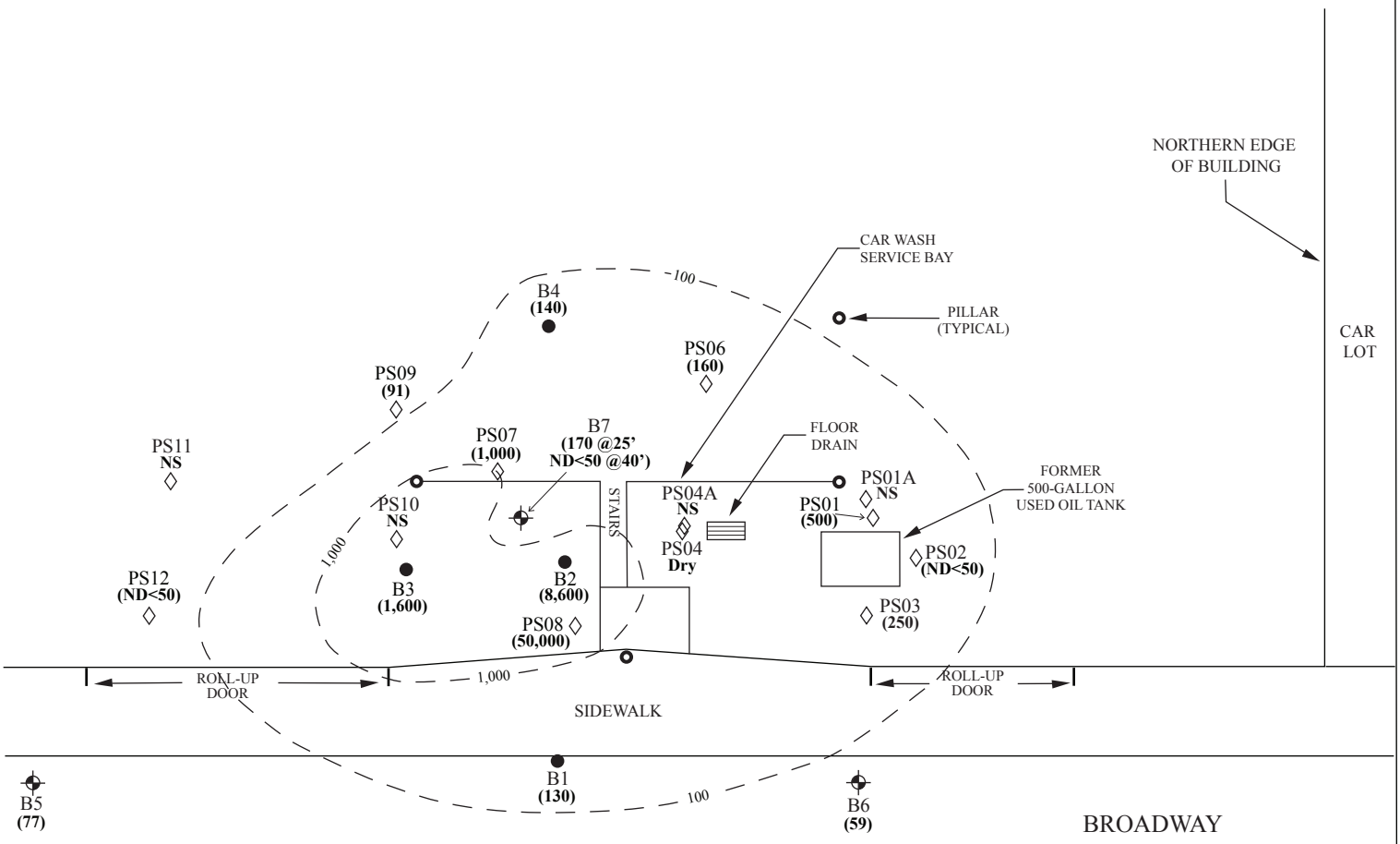
APPROXIMATE
GROUNDWATER
FLOW DIRECTION

Figure 4
Site Plan Detail Showing TPH-G Concentrations in Groundwater
Downtown Toyota
4145 Broadway
Oakland, California

N

RGA Environmental, Inc.
1466 66th Street
Emeryville, CA 94608

0 10 20
Scale in Feet



LEGEND

(50,000)	TPH-D in Groundwater (ug/L)
— —	TPH-D Isoconcentration Contour (ug/L)
(ND<50)	Not Detected, Showing Detection Limit
NS	Not Sampled
◇PS12	Borehole, Previous Investigation (Burlington, 1994)
●B4	Borehole, Previous Investigation (Geo-Logic, 1999)
⌖B7	Borehole, Current Investigation

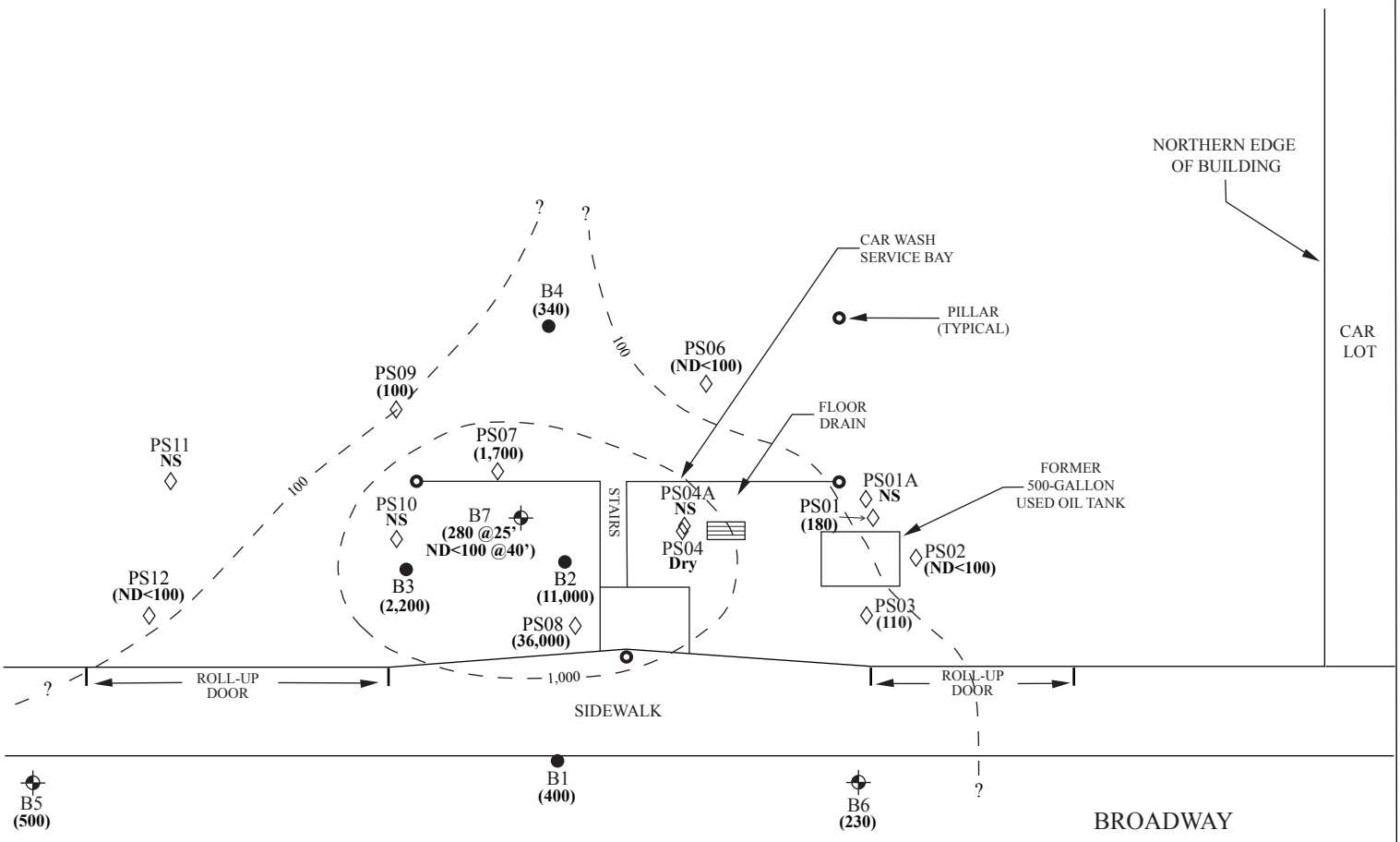
APPROXIMATE
GROUNDWATER
FLOW DIRECTION

Figure 5
Site Plan Detail Showing TPH-D Concentrations in Groundwater
DowntownToyota
4145 Broadway
Oakland, California

N

RGA Environmental, Inc.
1466 66th Street
Emeryville, CA 94608

0 10 20
Scale in Feet



LEGEND

(36,000)	TPH-MO in Groundwater (ug/L)
— —	TPH-MO Isoconcentration Contour (ug/L)
(ND<100)	Not Detected, Showing Detection Limit
NS	Not Sampled
◊ PS12	Borehole, Previous Investigation (Burlington, 1994)
● B4	Borehole, Previous Investigation (Geo-Logic, 1999)
⊕ B7	Borehole, Current Investigation

APPROXIMATE
GROUNDWATER
FLOW DIRECTION

Note: TPH-BO results are for B5, B6, and B7.
All other results are TPH-MO.

Figure 6
Site Plan Detail Showing TPH-MO/BO Concentrations in Groundwater
Downtown Toyota
4145 Broadway
Oakland, California

N

RGA Environmental, Inc.
1466 66th Street
Emeryville, CA 94608

0 10 20
Scale in Feet

APPENDIX A

Soil Boring Logs

RGA ENVIRONMENTAL, INC.

BORING NO.: B5	PROJECT NO.: 0271	PROJECT NAME: Downtown Toyota, 4145 Broadway, Oakland	
BORING LOCATION: 9 feet west of service bay entrance in parking lane		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Tim/Ed	DATE & TIME STARTED: 9/30/08 0900	DATE & TIME FINISHED: 9/30/08 0915
DRILLING EQUIPMENT: Geoprobe 6610DT			
COMPLETION DEPTH: 15.0 Feet	BEDROCK DEPTH: Not Encountered	LOGGED BY: MLD	CHECKED BY:
FIRST WATER DEPTH: 10.5 Feet	NO. OF SAMPLES: 1 Water		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 1.5 ft. Concrete and gravel baserock.	FILL	No Well Constructed		0	Borehole continuously cored using a 5-foot long 2-inch O.D. Geoprobe Macrocore barrel sampler lined with 5-foot long 1.5-inch O.D. transparent PVC sleeves.
	1.5 to 7.0 ft. Dark brown sandy clay (CL); stiff, dry, with minor gravel to 0.5-in. diameter. No Petroleum Hydrocarbon (PHC) odor.	CL			0	
5						0 to 5 ft. 90% recovery
	7.0 to 9.0 ft. Brown silty sand (SM); loose, moist, with gravel to 0.5-in. diameter. No PHC odor.	SM			0	5 to 10 ft. 100% recovery
	9.0 to 10.5 ft. Dark brown sandy clay (CL); stiff, moist, with minor gravel to 0.25-in. diameter. No PHC odor.	▼ CL				
10		▽				
	10.5 to 11.5 ft. Grayish brown clayey sand (SC); very loose, saturated, with bluish green discoloration, and minor gravel to 0.5-in. diameter. Slight PHC odor.	SC			2	10 to 15 ft. 100% recovery
	11.5 to 15.0 ft. Brown sandy clay (CL); stiff, moist, with carbonate concretions. No PHC odor.	CL			0	Water first encountered during drilling at 10.5 feet.
15						Borehole terminated at 15.0 ft. at 0915 on 9/30/08. Water level measured in borehole at 9.6 ft. depth at 0930.
						Temporary 1-in. diameter slotted PVC casing placed in borehole, and sample B5-W collected at 0930, no odor or sheen on sample.
20						Borehole grouted on 9/30/08 using neat cement grout.
25						
30						

RGA ENVIRONMENTAL, INC.

BORING NO.: B6	PROJECT NO.: 0271	PROJECT NAME: Downtown Toyota, 4145 Broadway, Oakland	
BORING LOCATION: 3 feet east of service bay entrance in parking lane		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Tim/Ed	DATE & TIME STARTED: 9/30/08 1000	DATE & TIME FINISHED: 9/30/08 1100
DRILLING EQUIPMENT: Geoprobe 6610DT			
COMPLETION DEPTH: 20.0 Feet	BEDROCK DEPTH: Not Encountered	LOGGED BY: MLD	CHECKED BY:
FIRST WATER DEPTH: Not Encountered	NO. OF SAMPLES: 1 Water		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 1.5 ft. Concrete and gravel baserock.	FILL	No Well Constructed		0	Borehole continuously cored using a 5-foot long 2-inch O.D. Geoprobe Macrocore barrel sampler lined with 5-foot long 1.5-inch O.D. transparent PVC sleeves.
	1.5 to 7.0 ft. Dark brown sandy clay (CL); stiff, dry, with minor gravel to 0.25-in. diameter. No Petroleum Hydrocarbon (PHC) odor.	CL				
5					0	0 to 5 ft. 90% recovery
	7.0 to 12.0 ft. Brown silty sand (SM); loose, moist, with gravel to 0.25-in. diameter. No PHC odor.	▽				5 to 10 ft. 100% recovery
10		SM			0	
						10 to 15 ft. 100% recovery
	12.0 to 15.5 ft. Grayish brown silty clay (CL); stiff, moist, with calcium carbonate fragments. No PHC odor.	CL			0	
15						15 to 20 ft. 100% recovery
	15.5 to 16.0 ft. Clayey sandy gravel (GC); loose, dry, with angular to rounded gravel to 0.5-in. diameter. No PHC odor.	GC				
	16.0 to 20.0 ft. Brown silty clay (CL); stiff, moist, with black mottling. No PHC odor.	CL			0	
20						Water not encountered during drilling.
						Borehole terminated at 20.0 ft. at 1100 on 9/30/08. Water level measured in borehole at 8.7 ft. depth at 1120.
25						Temporary 1-in. diameter slotted PVC casing placed in borehole, and sample B6-W collected at 1125, no odor or sheen on sample.
						Borehole grouted on 9/30/08 using neat cement grout.
30						

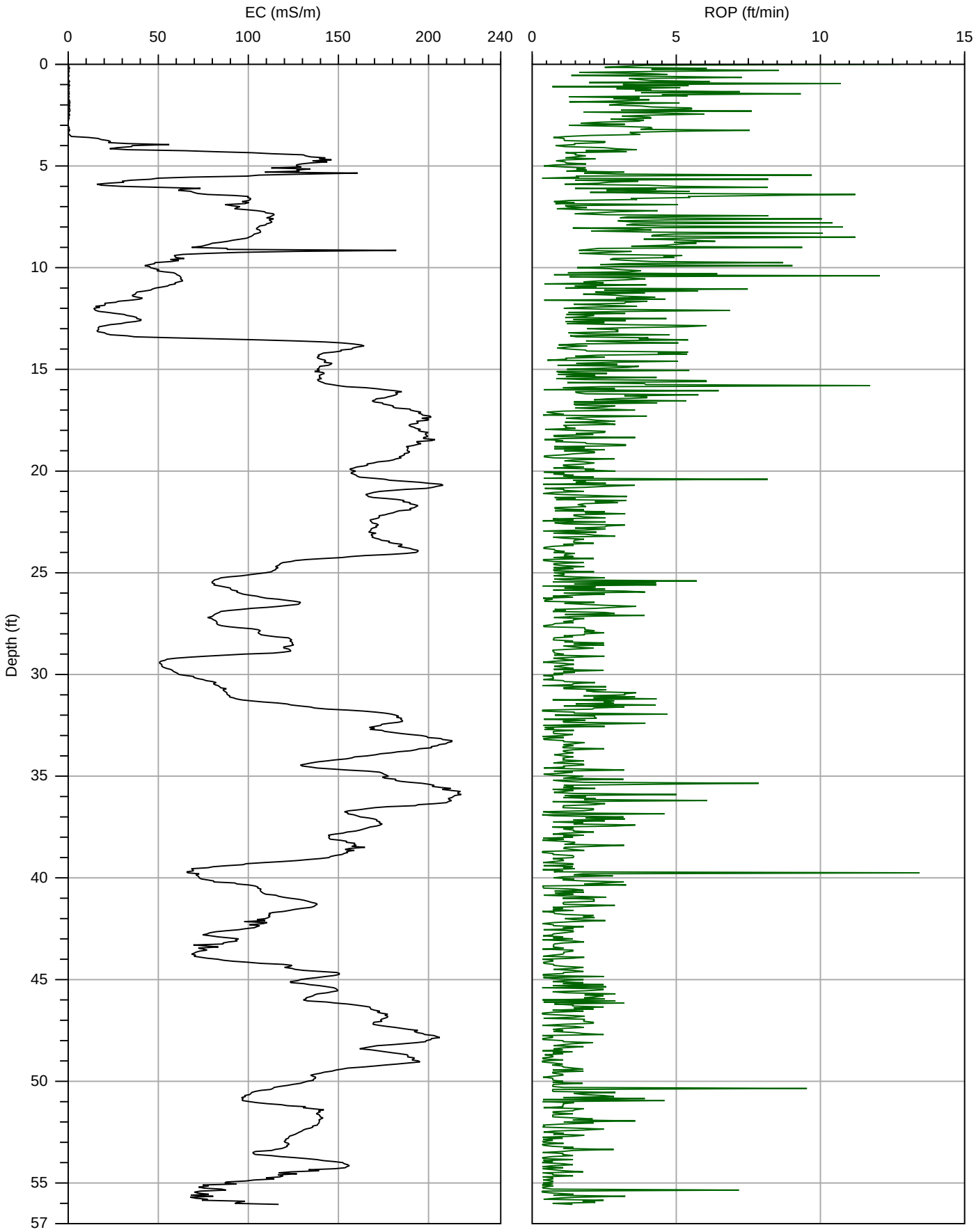
RGA ENVIRONMENTAL, INC.

BORING NO.: B7	**PROJECT NO.:** 0271	**PROJECT NAME:** Downtown Toyota, 4145 Broadway, Oakland	
BORING LOCATION: 18 feet east and 17 feet north of B6		**ELEVATION AND DATUM:** None	
DRILLING AGENCY: Vironex, Inc.	**DRILLER:** Tim/Ed	**DATE & TIME STARTED:** 10/1/08 1200	**DATE & TIME FINISHED:** 10/1/08 1335
DRILLING EQUIPMENT: Geoprobe 6610DT			
COMPLETION DEPTH: 30.0 Feet	**BEDROCK DEPTH:** Not Encountered	**LOGGED BY:** MLD	**CHECKED BY:**
FIRST WATER DEPTH: 25.0 Feet	**NO. OF SAMPLES:** 1 Soil, 2 Water		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 1.0 ft. Concrete and gravel baserock.	FILL	No Well Constructed		0	Soil conductivity probe pushed to 56.0 ft. (refusal depth) for electrical conductivity logging. Boring grouted on 10/1/08 using a tremie pipe and neat cement grout.
	1.0 to 2.0 ft. Dark brown silty sand (SM); loose, dry, with angular gravel to 0.25-in. diameter. No Petroleum Hydrocarbon (PHC) odor.	SM				
	2.0 to 4.0 ft. Black sandy clay (CL/OH); stiff, moist, with coarse sand, and minor gravel to 0.25-in. diameter. No PHC odor.	CL/ OH				At a location approximately 2 feet from the soil conductivity probe hole, a borehole was continuously cored from 0.0 to 20.0 ft. using a Geoprobe dual tube sampler with a 5-foot long 3.5-inch O.D. outer casing, and a 2.5-inch O.D. barrel sampler lined with 5-foot long 2.0-inch O.D. transparent PVC sleeves.
5	4.0 to 9.0 ft. Dark brown silty clay (CL); stiff, moist, with trace angular gravel to 0.25-in. diameter. No PHC odor.	CL			0	0 to 5 ft. 90% recovery 5 to 10 ft. 100% recovery 10 to 15 ft. 100% recovery 15 to 20 ft. 100% recovery
						Drilling refusal at 20.0 feet.
10	9.0 to 11.0 ft. Brown silty sand (SM); loose, moist, with coarse gravel to 1.25-in. diameter. No PHC odor.	SM	B7-10.0		228	Borehole continuously cored from 20.0 to 30.0 ft. using a 5-foot long 2-inch O.D. Geoprobe Macrocore barrel sampler lined with 5-foot 1.5-inch O.D. transparent PVC sleeves.
	9.5 to 10.0 ft. Soil stained bluish green; strong PHC odor.	x				
	11.0 to 25.0 ft. Grayish brown silt (ML); hard, dry, with carbonate concretions and black mottling. No PHC odor.					20 to 25 ft. 100% recovery 25 to 30 ft. 80% recovery
					0	First water encountered during drilling at 25.0 ft.
15						Borehole terminated at 30.0 ft. on 10/1/08. Borehole grouted on 10/1/08 using a tremie pipe and neat cement grout.
		ML			0	
20						At a location approximately 2 feet from continuously cored borehole B7 a Hydropunch was pushed to 29.0 ft. and rods were retracted to 25.0 ft. Water level measured at 19.0 ft. at 1415 in Hydropunch rods after outer rod retracted. Water sample B7-25W collected from Hydropunch rods at 1420. No odor or sheen on sample. Subsequent water level measured at 19.3 ft. at 1433 after sampling.
					0	
						A different Hydropunch was then pushed to 44.0 ft. at a different location 2 ft. from continuously cored borehole B7. The Hydropunch rods were then retracted to 40.0 ft. to collect water sample B7-40W at 1615; no odor or sheen on sample. Water level measured at 12.0 ft. at 1630 in Hydropunch rods after outer rod retracted.
25	25.0 to 27.0 ft. Brown fine sand (SP); very loose, saturated. No PHC odor.	▽ SP			0	
	27.0 to 28.0 ft. Grayish brown clayey silt (ML); soft, wet, with black mottling. No PHC odor.	ML				
	28.0 to 29.5 ft. Brown silty sand (SM); loose, wet, with gravel to 0.25-in. diameter. No PHC odor.	SM				
	29.5 to 30.0 ft. Grayish brown silty clay (CL); stiff, moist, with orange mottling. No PHC odor.	CL			0	Borehole grouted on 10/1/08 using the Hydropunch as a tremie pipe with neat cement grout.
30						

APPENDIX B

Soil Electric Conductivity Log



			File: EC0185.DAT
Company: Vironex		Operator: Tim McGinty	Date: 10/1/2008
Project ID: RGA 0217 #B7		Client: RGA	Location:

TESTS BYPASSED

C:\COND\LOGFILES\EC0185.INF

SITE INFORMATION -- DIRECT IMAGE CONDUCTIVITY PROBE

LOG UNITS: ENGLISH
PROBE AND ARRAY: SC-500 WITH WENNER
80 INCH STRING POT USED
LOG START TIME: Wed Oct 01 2008 11:19

LOG END DEPTH: 56.050 FEET

LOG END TIME: Wed Oct 01 2008 12:11

APPENDIX C

Drum Disposal Manifest

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Page 1 of 1

3. Document Number: 6201

GENERATOR

4. Generator's Name and Mailing Address
DownTown Toyota
4145 Broadway Oakland CA 94611
Generator's Phone

Proj # 0271

5. Transporter Company Name | 6. US EPA ID Number | 7. Transporter Phone
CLEARWATER ENVIRONMENTAL | CAR000007013 | (510) 476-1740

8. Designated Facility Name and Site Address | 9. US EPA ID Number | 10. Facility's Phone
ALVISO INDEPENDENT OIL
5002 ARCHER STREET
ALVISO, CA 95002 | CAL000161743 | (510) 476-1740

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous waste - Solid	001	dm	800	P
b.				

15. Special Handling Instructions and Additional Information
Wear PPE
Emergency Contact
(510) 476-1740
Attn: Kirk Hayward

Handling Codes for Wastes Listed Above	
11a.	11b.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Signed on Behalf of Generator	Will Clark	10	30	08

TRANSPORTER

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
William Clark	Will Clark	10	30	08

FACILITY

18. Discrepancy Indication Space

19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 18.

Printed/Typed Name	Signature	Month	Day	Year
Charles Seaton		10	31	08

APPENDIX D

Laboratory Reports and Chain of Custody Documentation

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #PZ19226M_1/0271; Downtown Toyota, 4145 Broadway	Date Sampled: 09/30/08
		Date Received: 10/01/08
	Client Contact: Paul King	Date Reported: 10/08/08
	Client P.O.:	Date Completed: 10/08/08

WorkOrder: 0810035

October 08, 2008

Dear Paul:

Enclosed within are:

1) The results of the **2** analyzed samples from your project: **#PZ19226M_1/0271; Downtown Toy**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

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.

RGA Environmental, Inc.
1466 - 66th St
Emeryville, CA 94608
510-658-4363
510-834-0152 fax
paul.king@rgaenv.com

0810035

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NUMBER: PZ1922GM_1/0271

PROJECT NAME: DOWNTOWN TOYOTA 4145 BROADWAY, OAKLAND

SAMPLED BY: (PRINTED AND SIGNATURE) MICHAEL DESCHENES

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH MULTI RANGE (G,D, B.O.)	BTEX AND MTBE USING MODIFIED EPA 8015C / EPA 8020B	PRESERVATIVE	REMARKS
x5 B5-10W	9/30/08	9:30	WATER		7	✓	✓	ICE	NORMAL TURNAROUND TIME
x5 B6-10W	9/30/08	11:25	WATER		7	✓	✓	ICE	" " "

ICE/T 0.6
GOOD CONDITION ___ APPROPRIATE CONTAINERS ___
HEAD SPACE ABSENT ___ PRESERVED IN LAB ___
DECHLORINATED IN LAB ___
PRESERVATION ___ VOAS | O&G | METALS | OTHER

RELINQUISHED BY: (SIGNATURE) Michael Deschenes	DATE 10/1/08	TIME 3:14	RECEIVED BY: (SIGNATURE)	TOTAL NO. OF SAMPLES (THIS SHIPMENT) 2	LABORATORY: McCAMPBELL ANALYTICAL
RELINQUISHED BY: (SIGNATURE)	DATE 10/1/08	TIME 7:00	RECEIVED BY: (SIGNATURE)	TOTAL NO. OF CONTAINERS (THIS SHIPMENT) 14	LABORATORY CONTACT: ANGELA RYDELINS / LABORATORY PHONE NUMBER: (877) 252-9262
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( )YES (X)NO	

Results and billing to:
RGA Environmental, Inc.
paul.king@rgaenv.com

REMARKS: ALL BOTTLES PRESERVED WITH HCL

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0810035 **ClientCode: RGAE**

☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Paul King
RGA Environmental
1466 66th Street
Emeryville, CA 94608
(510) 658-6916 FAX (510) 834-0152

Email: paul.king@rgaenv.com; pdking0000@a
cc:
PO:
ProjectNo: #PZ19226M_1/0271; Downtown Toyota, 4145 Broadway

Bill to:
Lisa Devito
RGA Environmental
1466 66th Street
Emeryville, CA 94608
lisa.devito@rgaenv.com

Requested TAT: 5 days

Date Received: **10/01/2008**
Date Printed: **10/03/2008**

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
0810035-001	B5-W	Water	9/30/2008 9:30	☐	A	B	A									
0810035-002	B6-W	Water	9/30/2008 11:25	☐	A	B	A									

Test Legend:

1	G-MBTEX_W	2	MBTEXOXY-8260B_W	3	TPH(D)_W	4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A contain testgroup.

Prepared by: Ana Venegas

Comments: mbtex oxy +pbscavs added on 10/03/08 on a std tat per M/D/Fax

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.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **RGA Environmental** Date and Time Received: **10/01/08 8:01:46 PM**

Project Name: **#PZ19226M_1/0271; Downtown Toyota, 4145 Broa** Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0810035** Matrix Water Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 0.6°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

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

Client contacted: Date contacted: Contacted by:

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental	Client Project ID: #PZ19226M_1/0271; Downtown Toyota, 4145 Broadway	Date Sampled: 09/30/08
		Date Received: 10/01/08
1466 66th Street	Client Contact: Paul King	Date Extracted: 10/03/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed 10/03/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method SW5030B Analytical methods SW8015Cm Work Order: 0810035

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	B5-W	W	ND,b1	1	103
002A	B6-W	W	ND,b1	1	93

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	NA	NA

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental	Client Project ID: #PZ19226M_1/0271; Downtown Toyota, 4145 Broadway	Date Sampled: 09/30/08
		Date Received: 10/01/08
1466 66th Street	Client Contact: Paul King	Date Extracted: 10/04/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 10/04/08

Oxygenates and BTEX by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0810035

Lab ID	0810035-001B	0810035-002B			Reporting Limit for DF =1	
Client ID	B5-W	B6-W				
Matrix	W	W				
DF	1	1			S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND	ND			NA	0.5
Benzene	ND	ND			NA	0.5
t-Butyl alcohol (TBA)	ND	ND			NA	2.0
1,2-Dibromoethane (EDB)	ND	ND			NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND			NA	0.5
Diisopropyl ether (DIPE)	ND	ND			NA	0.5
Ethylbenzene	ND	ND			NA	0.5
Ethyl tert-butyl ether (ETBE)	ND	ND			NA	0.5
Methyl-t-butyl ether (MTBE)	ND	ND			NA	0.5
Toluene	0.67	ND			NA	0.5
Xylenes	ND	ND			NA	0.5
Surrogate Recoveries (%)						
%SS1:	79	80				
%SS2:	74	74				
%SS3:	75	75				
Comments	b1	b1				

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

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

b1) aqueous sample that contains greater than ~1 vol. % sediment

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental	Client Project ID: #PZ19226M_1/0271; Downtown Toyota, 4145 Broadway	Date Sampled: 09/30/08
		Date Received: 10/01/08
1466 66th Street	Client Contact: Paul King	Date Extracted: 10/03/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 10/07/08

Total Extractable Petroleum Hydrocarbons*

Extraction method: SW3510C Analytical methods: SW8015B Work Order: 0810035

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Bunker Oil (C10-C36)	DF	% SS
0810035-001A	B5-W	W	77,e7,e2,b1	500	1	98
0810035-002A	B6-W	W	59,e2,b1	230	1	98

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	100	µg/L
	S	NA	NA	mg/Kg

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

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment
e2) diesel range compounds are significant; no recognizable pattern
e7) oil range compounds are significant

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38639 WorkOrder 0810035

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0810032-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	105	106	1.15	95.8	103	6.97	70 - 130	20	70 - 130	20
MTBE	ND	10	83.7	93.5	11.1	86.9	95.2	9.03	70 - 130	20	70 - 130	20
Benzene	ND	10	84.9	89.3	5.02	85.9	96.3	11.4	70 - 130	20	70 - 130	20
Toluene	ND	10	85.4	88.9	4.02	85.6	93.9	9.27	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	86.7	90.6	4.42	88.7	97.8	9.75	70 - 130	20	70 - 130	20
Xylenes	ND	30	84.7	88	3.73	83.6	95.5	13.4	70 - 130	20	70 - 130	20
%SS:	97	10	100	101	1.29	109	111	2.34	70 - 130	20	70 - 130	20

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

BATCH 38639 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810035-001A	09/30/08 9:30 AM	10/03/08	10/03/08 6:35 AM	0810035-002A	09/30/08 11:25 AM	10/03/08	10/03/08 5:44 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.

£ 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.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38677 WorkOrder 0810035

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0810074-007A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	**RR**	**RR**	0.713	117	114	2.75	70 - 130	30	70 - 130	30
Benzene	ND	10	**RR**	**RR**	1.72	112	110	1.58	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	**RR**	**RR**	7.08	121	111	8.06	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	**RR**	**RR**	3.23	118	118	0	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	**RR**	**RR**	0.0499	109	107	2.25	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	**RR**	**RR**	0.629	102	100	1.85	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	**RR**	**RR**	0.00577	119	116	2.62	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	**RR**	**RR**	0.474	108	106	2.07	70 - 130	30	70 - 130	30
Toluene	ND	10	**RR**	**RR**	1.80	115	117	0.974	70 - 130	30	70 - 130	30
%SS1:	0	25	85	85	0	81	81	0	70 - 130	30	70 - 130	30
%SS2:	0	25	87	88	0.196	79	82	3.05	70 - 130	30	70 - 130	30
%SS3:	0	2.5	86	86	0	74	74	0	70 - 130	30	70 - 130	30

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

BATCH 38677 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810035-001B	09/30/08 9:30 AM	10/04/08	10/04/08 10:15 PM	0810035-002B	09/30/08 11:25 AM	10/04/08	10/04/08 10:58 PM

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.

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

NR = 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.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38609 WorkOrder 0810035

EPA Method SW8015B **Extraction SW3510C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	105	105	0	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	107	107	0	N/A	N/A	70 - 130	30

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

BATCH 38609 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810035-001A	09/30/08 9:30 AM	10/03/08	10/07/08 2:46 PM	0810035-002A	09/30/08 11:25 AM	10/03/08	10/07/08 3:57 PM

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.

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

NR = 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.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #PZ19226M_1/0271; Downtown Toyota	Date Sampled: 10/01/08
		Date Received: 10/02/08
	Client Contact: Paul King	Date Reported: 10/09/08
	Client P.O.:	Date Completed: 10/09/08

WorkOrder: 0810053

October 09, 2008

Dear Paul:

Enclosed within are:

1) The results of the **3** analyzed samples from your project: **#PZ19226M_1/0271; Downtown Toy**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

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.

RGA Environmental, Inc.
1466 - 66th St
Emeryville, CA 94608
510-658-4363
510-834-0152 fax
paul.king@rgaenv.com

0810053

CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

PROJECT NUMBER:	PROJECT NAME:
PZ1922GM_1/0271	DOWNTOWN TOYOTA 4145 BROADWAY, OAKLAND

SAMPLED BY: (PRINTED AND SIGNATURE)
MICHAEL DESCHENES Michael Deschenes

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH/MULTI RANGE (GC/FID) MODIFIED EPA 8015C		BTEX AND MTBE USING EPA 8020B				PRESERVATIVE	REMARKS
B7-10	10/1/08	12:20	SOIL		1	✓		✓				ICE	NORMAL TURN AROUND TIME

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	TOTAL NO. OF SAMPLES (THIS SHIPMENT)	1	LABORATORY:
Michael Deschenes	10/2/08	120		TOTAL NO. OF CONTAINERS (THIS SHIPMENT)	1	MC CAMPBELL ANALYTICAL
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	LABORATORY CONTACT:		LABORATORY PHONE NUMBER:
	10/2/08	280		ANGELA RYDELINS		(877) 252-9262
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( )YES (X)NO		

Results and billing to:
RGA Environmental, Inc.
paul.king@rgaenv.com

REMARKS:
ICE / t° 5.2
GOOD CONDITION ✓ APPROPRIATE ✓
HEAD SPACE ABSENT ____ CONTAINERS ____
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____

PRESERVATION	VOAS	O & G	METALS	OTHER

RGA

RGA Environmental, Inc.
1466 - 66th St
Emeryville, CA 94608
510-658-4363
510-834-0152 fax
paul.king@rgaenv.com

CHAIN OF CUSTODY RECORD

PROJECT NUMBER: PZ19226M_1/0271

PROJECT NAME: DOWNTOWN TOYOTA 4145 BROADWAY, OAKLAND

SAMPLED BY: (PRINTED AND SIGNATURE) MICHAEL DESCHENES Michael Deschenes

	SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH MULTI-RANGE (GRO/DRO) MODIFIED EPA 8015C	BTEX AND MTBE USING EPA 8020B	PRESERVATIVE	REMARKS
x2	BT-25W	10/1/08	14:20	WATER		7	✓	✓	ICE	NORMAL TURN AROUND TIME
x2	BT-40W	10/1/08	16:15	"		7	✓	✓	ICE	" " " "

ICE / t° 4.0 °C
GOOD CONDITION ✓ APPROPRIATE
HEAD SPACE ABSENT ✓ CONTAINERS ✓
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___
PRESERVATION VOAS ✓ O & G | METALS | OTHER

RELINQUISHED BY: (SIGNATURE) Michael Deschenes	DATE 10/2/08	TIME 1220	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE 10/2/08	TIME 1250	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)

TOTAL NO. OF SAMPLES (THIS SHIPMENT): 2
TOTAL NO. OF CONTAINERS (THIS SHIPMENT): 14
LABORATORY: Mc CAMPBELL ANALYTICAL
LABORATORY CONTACT: ANGELA RYDELINS
LABORATORY PHONE NUMBER: (877) 252-9262
SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( )YES (X)NO

Results and billing to:
RGA Environmental, Inc.
paul.king@rgaenv.com

REMARKS: ALL BOTTLES PRESERVED WITH HCL

RGA Environmental, Inc.
1466 - 66th St
Emeryville, CA 94608
510-658-4363
510-834-0152 fax
paul.king@rgaenv.com

0810053

CHAIN OF CUSTODY RECORD

PROJECT NUMBER: PZ19226M_1 / 0271

PROJECT NAME: DOWNTOWN TOYOTA 4145 BROADWAY, OAKLAND

SAMPLED BY: (PRINTED AND SIGNATURE) MICHAEL DESCHENES [signature]

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH MULTI RANGE (G,D,BO) MODIFIED EPA 8015C	~~BTEX AND MTBE USING EPA 8020B~~ CANCELED PER TMD 10/13/08	MBTEX OXY + PB SCAVENGERS 8260 ADDED CJ 10/13/08 PER M.D. STD TAT	PRESERVATIVE	REMARKS
B7-10	10/1/08	12:20	SOIL		1	✓	✓	X	ICE	NORMAL TURN AROUND TIME

TOTAL NO. OF SAMPLES (THIS SHIPMENT): 1
TOTAL NO. OF CONTAINERS (THIS SHIPMENT): 1

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
[signature]	10/2/08	1:20	[signature]
[signature]	10/2/08	2:50	[signature]
			RECEIVED FOR LABORATORY BY: (SIGNATURE)

LABORATORY: MC CAMPBELL ANALYTICAL

LABORATORY CONTACT: ANGELA RYDELINS

LABORATORY PHONE NUMBER: (877) 252-9262

SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( ) YES (X) NO

Results and billing to:
RGA Environmental, Inc.
paul.king@rgaenv.com

REMARKS:

ICE / t° 5.2
GOOD CONDITION ✓
HEAD SPACE ABSENT ____
DECHLORINATED IN LAB ____
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB ____
VOAS | O&G | METALS | OTHER |

RGA Environmental, Inc.
1466 - 66th St
Emeryville, CA 94608
510-658-4363
510-834-0152 fax
paul.king@rgaenv.com

CHAIN OF CUSTODY RECORD

PROJECT NUMBER:	PROJECT NAME:
PZ1922GM-1/0271	DOWNTOWN TOYOTA 4145 BROADWAY, OAKLAND

SAMPLED BY: (PRINTED AND SIGNATURE)
MICHAEL DESCHENES

	SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH/MULTI-RANGE (GD&O)	MODIFIED EPA 8015C	CORRECTED PER M.D. 10/03/08 BTEX AND MTBE USING EPA 8260B	METHYL OXYGENATES BY 8260 ON 10/13/08 PER M.D. (STOLAT)	PRESERVATIVE	REMARKS
x2	BT-25W	10/1/08	14:20	WATER		7	✓	✓	X		ICE	NORMAL TURN AROUND TIME
x2	BT-40W	10/1/08	16:15	"		7	✓	✓	X		ICE	" " " "

ICE/t° 2.0
GOOD CONDITION ✓ APPROPRIATE
HEAD SPACE ABSENT ✓ CONTAINERS ✓
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___
PRESERVATION VOAS ✓ O&G ___ METALS ___ OTHER ___

RELINQUISHED BY: (SIGNATURE) MICHAEL DESCHENES	DATE 10/2/08	TIME 1220	RECEIVED BY: (SIGNATURE)	TOTAL NO. OF SAMPLES (THIS SHIPMENT) 2	LABORATORY: MC CAMPBELL ANALYTICAL
RELINQUISHED BY: (SIGNATURE)	DATE 10/3/08	TIME 1250	RECEIVED BY: (SIGNATURE)	TOTAL NO. OF CONTAINERS (THIS SHIPMENT) 14	LABORATORY CONTACT: ANGELA RYDELINS
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( )YES (X)NO	LABORATORY PHONE NUMBER: (877) 252-9262

Results and billing to:
RGA Environmental, Inc.
paul.king@rgaenv.com

REMARKS: ALL BOTTLES PRESERVED WITH HCL

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 081005 A **ClientCode: RGAE**

☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Paul King
RGA Environmental
1466 66th Street
Emeryville, CA 94608
(510) 658-6916 FAX (510) 834-0152

Email: paul.king@rgaenv.com; pdking0000@a
cc:
PO:
ProjectNo: #PZ19226M_1/0271; Downtown Toyota

Bill to:
Lisa Devito
RGA Environmental
1466 66th Street
Emeryville, CA 94608
lisa.devito@rgaenv.com

Requested TAT: 5 days
Date Received: **10/02/2008**
Date Add-On: **10/03/2008**
Date Printed: **10/03/2008**

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
0810053-001	B7-10	Soil	10/1/2008 12:20	☐	A											
0810053-002	B7-25W	Water	10/1/2008 14:20	☐		B										
0810053-003	B7-40W	Water	10/1/2008 16:15	☐		B										

Test Legend:

1	MBTEXOXY-8260B_S	2	MBTEXOXY-8260B_W	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments: mbtexoxy pb scavs added on 10/03/08 on a std tat per M.D/ Fax

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.

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0810053 **ClientCode: RGAE**

☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Paul King
RGA Environmental
1466 66th Street
Emeryville, CA 94608
(510) 658-6916 FAX (510) 834-0152

Email: paul.king@rgaenv.com; pdking0000@a
cc:
PO:
ProjectNo: #PZ19226M_1/0271; Downtown Toyota

Bill to:
Lisa Devito
RGA Environmental
1466 66th Street
Emeryville, CA 94608
lisa.devito@rgaenv.com

Requested TAT: 5 days

Date Received: **10/02/2008**
Date Printed: **10/02/2008**

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
0810053-001	B7-10	Soil	10/1/2008 12:20	☐	A		A									
0810053-002	B7-25W	Water	10/1/2008 14:20	☐		A		B								
0810053-003	B7-40W	Water	10/1/2008 16:15	☐		A		B								

Test Legend:

1	G-MBTEX_S	2	G-MBTEX_W	3	TPH(D)_S	4	TPH(DMO)_W	5	
6		7		8		9		10	
11		12							

Prepared by: Ana 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.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **RGA Environmental** Date and Time Received: **10/2/08 3:52:13 PM**

Project Name: **#PZ19226M_1/0271; Downtown Toyota** Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0810053** Matrix Soil/Water Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 5.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

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

Client contacted: Date contacted: Contacted by:

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental	Client Project ID: #PZ19226M_1/0271; Downtown Toyota	Date Sampled: 10/01/08
		Date Received: 10/02/08
1466 66th Street	Client Contact: Paul King	Date Extracted: 10/03/08-10/06/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed 10/03/08-10/06/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method SW5030B Analytical methods SW8015Cm Work Order: 0810053

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	B7-10	S	11,d7	1	84
002A	B7-25W	W	ND,b1	1	93
003A	B7-40W	W	ND,b1	1	104

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

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

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment
d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental	Client Project ID: #PZ19226M_1/0271; Downtown Toyota	Date Sampled: 10/01/08
		Date Received: 10/02/08
1466 66th Street	Client Contact: Paul King	Date Extracted: 10/03/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 10/08/08

Oxygenates and BTEX by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0810053

					Reporting Limit for DF =1	
Lab ID	0810053-001A					
Client ID	B7-10					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
tert-Amyl methyl ether (TAME)	ND				0.005	NA
Benzene	ND				0.005	NA
t-Butyl alcohol (TBA)	ND				0.05	NA
1,2-Dibromoethane (EDB)	ND				0.004	NA
1,2-Dichloroethane (1,2-DCA)	ND				0.004	NA
Diisopropyl ether (DIPE)	ND				0.005	NA
Ethylbenzene	ND				0.005	NA
Ethyl tert-butyl ether (ETBE)	ND				0.005	NA
Methyl-t-butyl ether (MTBE)	ND				0.005	NA
Toluene	ND				0.005	NA
Xylenes	ND				0.005	NA
Surrogate Recoveries (%)						
%SS1:	79					
%SS2:	93					
%SS3:	104					
Comments						

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

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental	Client Project ID: #PZ19226M_1/0271; Downtown Toyota	Date Sampled: 10/01/08
		Date Received: 10/02/08
1466 66th Street	Client Contact: Paul King	Date Extracted: 10/06/08-10/07/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 10/06/08-10/07/08

Oxygenates and BTEX by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0810053

Lab ID	0810053-002B	0810053-003B			Reporting Limit for DF =1	
Client ID	B7-25W	B7-40W				
Matrix	W	W				
DF	1	1			S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND	ND			NA	0.5
Benzene	ND	ND			NA	0.5
t-Butyl alcohol (TBA)	ND	ND			NA	2.0
1,2-Dibromoethane (EDB)	ND	ND			NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND			NA	0.5
Diisopropyl ether (DIPE)	ND	ND			NA	0.5
Ethylbenzene	ND	ND			NA	0.5
Ethyl tert-butyl ether (ETBE)	ND	ND			NA	0.5
Methyl-t-butyl ether (MTBE)	ND	ND			NA	0.5
Toluene	0.80	ND			NA	0.5
Xylenes	ND	ND			NA	0.5
Surrogate Recoveries (%)						
%SS1:	78	79				
%SS2:	72	75				
%SS3:	78	76				
Comments	b1	b1				

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

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

b1) aqueous sample that contains greater than ~1 vol. % sediment

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental	Client Project ID: #PZ19226M_1/0271; Downtown Toyota	Date Sampled: 10/01/08
		Date Received: 10/02/08
1466 66th Street	Client Contact: Paul King	Date Extracted: 10/03/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 10/09/08

Total Extractable Petroleum Hydrocarbons*

Extraction method: SW3510C/SW3550C Analytical methods: SW8015B Work Order: 0810053

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Bunker Oil (C10-C36)	DF	% SS
0810053-001A	B7-10	S	1.2,e2,e11	4.0	1	102
0810053-002A	B7-25W	W	170,e2,b1	280	1	98
0810053-003A	B7-40W	W	ND,b1	ND	1	102

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	100	µg/L
	S	1.0	2.0	mg/Kg

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

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment
e2) diesel range compounds are significant; no recognizable pattern
e11) stoddard solvent/mineral spirit

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 38635 WorkOrder: 0810053

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0809932-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	91.7	90.4	1.47	93.5	102	8.50	60 - 130	30	60 - 130	30
Benzene	ND	0.050	109	109	0	96.7	111	14.0	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	89.9	91.7	1.94	85.8	92.8	7.87	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	109	105	3.81	95.8	105	9.21	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	98.8	98.5	0.282	120	106	12.0	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	89.6	88.9	0.784	97.8	109	11.2	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	99.9	98.8	1.15	116	129	10.6	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	88.4	87.3	1.22	107	116	8.34	60 - 130	30	60 - 130	30
Toluene	ND	0.050	129	127	1.50	104	119	13.0	60 - 130	30	60 - 130	30
%SS1:	91	0.12	82	83	1.18	87	86	1.34	70 - 130	30	70 - 130	30
%SS2:	94	0.12	96	95	1.28	101	100	0.801	70 - 130	30	70 - 130	30
%SS3:	104	0.012	98	97	1.47	102	101	0.591	70 - 130	30	70 - 130	30

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

BATCH 38635 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810053-001A	10/01/08 12:20 PM	10/03/08	10/08/08 12:02 PM				

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.

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

NR = 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.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 38659 WorkOrder: 0810053

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0810065-006A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	92.2	90.9	1.49	103	104	0.769	70 - 130	20	70 - 130	20
MTBE	ND	0.10	86.8	90.8	4.54	89.3	98.1	9.35	70 - 130	20	70 - 130	20
Benzene	ND	0.10	88.5	91.6	3.40	81.3	93.1	13.6	70 - 130	20	70 - 130	20
Toluene	ND	0.10	100	104	3.31	82.3	84.2	2.36	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	99.2	102	3.30	95.4	94.5	0.924	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	109	112	2.18	92.4	92.7	0.358	70 - 130	20	70 - 130	20
%SS:	74	0.10	97	101	3.72	88	88	0	70 - 130	20	70 - 130	20

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

BATCH 38659 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810053-001A	10/01/08 12:20 PM	10/03/08	10/03/08 10:11 PM				

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.

£ 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.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38677 WorkOrder: 0810053

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0810074-007A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	110	111	0.713	117	114	2.75	70 - 130	30	70 - 130	30
Benzene	ND	10	109	111	1.72	112	110	1.58	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	106	114	7.08	121	111	8.06	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	114	118	3.23	118	118	0	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	114	113	0.0499	109	107	2.25	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	101	102	0.629	102	100	1.85	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	118	118	0	119	116	2.62	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	102	102	0	108	106	2.07	70 - 130	30	70 - 130	30
Toluene	ND	10	116	119	1.80	115	117	0.974	70 - 130	30	70 - 130	30
%SS1:	86	25	85	85	0	81	81	0	70 - 130	30	70 - 130	30
%SS2:	88	25	87	88	0.196	79	82	3.05	70 - 130	30	70 - 130	30
%SS3:	88	2.5	86	86	0	74	74	0	70 - 130	30	70 - 130	30

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

BATCH 38677 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810053-002B	10/01/08 2:20 PM	10/07/08	10/07/08 2:16 AM	0810053-003B	10/01/08 4:15 PM	10/06/08	10/06/08 9:19 PM

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.

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

NR = 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.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38651 WorkOrder: 0810053

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0810043-014A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	97.2	98.6	1.41	98.6	96.3	2.38	70 - 130	20	70 - 130	20
MTBE	ND	10	80	82.7	3.33	83	81.1	2.39	70 - 130	20	70 - 130	20
Benzene	ND	10	90.9	92.4	1.60	89.6	88.9	0.778	70 - 130	20	70 - 130	20
Toluene	ND	10	92.6	93.8	1.27	91.1	89.9	1.38	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	98.2	99.3	1.10	96.5	95.2	1.34	70 - 130	20	70 - 130	20
Xylenes	ND	30	110	111	0.872	108	106	1.79	70 - 130	20	70 - 130	20
%SS:	98	10	96	95	1.45	95	95	0	70 - 130	20	70 - 130	20

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

BATCH 38651 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810053-002A	10/01/08 2:20 PM	10/06/08	10/06/08 11:42 PM	0810053-003A	10/01/08 4:15 PM	10/04/08	10/04/08 6:29 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.

£ 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.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 38632 WorkOrder 0810053

EPA Method SW8015B **Extraction SW3550C** **Spiked Sample ID: 0810017-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	7.6	20	96.8	99.9	2.23	100	108	7.11	70 - 130	30	70 - 130	30
%SS:	81	50	81	83	2.70	82	110	29.0	70 - 130	30	70 - 130	30

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

BATCH 38632 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810053-001A	10/01/08 12:20 PM	10/03/08	10/09/08 10:28 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.

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

NR = 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.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38649 WorkOrder 0810053

EPA Method SW8015B **Extraction SW3510C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	122	117	3.59	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	103	101	1.88	N/A	N/A	70 - 130	30

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

BATCH 38649 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810053-002A	10/01/08 2:20 PM	10/03/08	10/09/08 3:39 AM	0810053-003A	10/01/08 4:15 PM	10/03/08	10/09/08 4:47 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.

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

NR = 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.

DHS ELAP Certification 1644

QA/QC Officer