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Alameda County
Environmental Health

**SOURCE AREA SOIL BORING
INVESTIGATION REPORT
Dublin Toyota UST Site
6450 Dublin Court
Dublin, California**

ACEH RO# 0000333

Prepared for:

Dublin Toyota
4321 Toyota Drive
Dublin, CA 94568

October 6, 2009



GEOLOGIC & ENVIRONMENTAL CONSULTING SERVICES

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October 6, 2009

Alameda County Department of
Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Attention: Paresh Khatri

Subject: Source Area Soil Boring Investigation Report
Dublin Toyota UST Site, 6450 Dublin Court, Dublin, California
Fuel Leak Case RO# 0000333

Ladies and Gentlemen:

Attached please find a copy of the *Source Area Soil Boring Investigation Report*, prepared by Gribi Associates. I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Scott F. Anderson".

Scott F. Anderson
Chief Financial Officer
Dublin Toyota



October 6, 2009

Alameda County Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Attention: Mr. Paresh Khatri

Subject: Source Area Soil boring Investigation Report
Dublin Toyota UST Site
6450 Dublin Court, Dublin, California
Fuel Leak Case RO# 0000333

Ladies and Gentlemen:

Gribi Associates is pleased to submit this *Source Area Soil Boring Investigation Report* on behalf of Dublin Toyota for the underground storage tank (UST) site located at 6450 Dublin Court in Dublin, California. This letter report describes and documents the drilling and sampling of six soil borings, GB-1 through GB-6, in the former UST source area. This investigation was conducted to satisfy directives contained in an October 4, 2008 letter from Alameda County Environmental Health (ACEH) to further define and characterize the vertical and lateral groundwater MTBE impacts at the subject site and downgradient from the subject site.

We appreciate the opportunity to present this report for your review. Please call if you have any questions or require additional information.

Very truly yours,

A handwritten signature in blue ink, appearing to read 'MAR', is placed over a light blue rectangular background.

Matthew A. Rosman
Project Engineer

A handwritten signature in black ink, appearing to read 'James E. Gribi', is written in a cursive style.

James E. Gribi
Professional Geologist
California No. 5843



MAR/ct

cc: Mr. Scott Anderson, Dublin Toyota

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EXECUTIVE SUMMARY

Gribi Associates is pleased to submit this *Source Area Soil Boring Investigation Report* on behalf of Dublin Toyota for the underground storage tank (UST) site located at 6450 Dublin Court in Dublin, California. This letter report describes and documents the drilling and sampling of six soil borings (GB-1 through GB-6) in the area of the former site underground storage tanks. This investigation was conducted to satisfy directives contained in an October 4, 2008 letter from Alameda County Environmental Health (ACEH) to further define and characterize the vertical and lateral groundwater MTBE impacts at the subject site and downgradient from the subject site.

In order to further define and characterize residual source area impacts to soil and groundwater, six soil borings, GB-1 through GB-6, were drilled and sampled on July 13, 2009 and July 31, 2009. All activities will be conducted in accordance with applicable local, State, and Federal guidelines and statutes.

Soils in the six investigative borings were generally similar, consisting primarily of dark grey silts and clays down to approximately nine feet in depth, followed by a thin silty sand to about 11 feet in depth, and then by brown silts and clays to 20 feet in depth, the maximum depth cored.

Shallow groundwater was generally encountered at depths ranging from 12 to 16 feet below surface grade. During hydropunch sampling, groundwater was encountered at a depth of approximately 37 feet below surface grade.

During drilling, no evidence of unusual odors or staining were noted in soils and groundwater samples from any of the six soil borings.

Soil analytical results showed no TPH-G or BTEX concentration in any of the soil samples, except very minor ethylbenzene concentrations (0.0078 mg/kg and 0.0097 mg/kg) in soil samples collected at depths of 4.5 feet and 7.5 feet in boring GB-1. Low concentrations of TBA and MTBE, ranging from nondetect to 3.5 mg/kg for TBA and nondetect to 0.30 mg/kg for MTBE, were reported in soil samples at varying depths in all six borings.

Groundwater analytical results showed very low to nondetectable concentrations of TPH-G and BTEX constituents in both shallow and deep groundwater samples from the six borings. Oxygenate concentrations in groundwater were more persistent in shallow samples, with TBA concentrations ranging from nondetect in GB-4 to 6,000 ug/l in GB-6, and MTBE concentrations ranging from 17 ug/l in GB-6 to 240 ug/l in GB-2. Deeper groundwater samples showed TBA concentrations ranging from nondetect in GB-2, GB-3, GB-4, and GB-6 to 11 ug/l in GB-5, and MTBE concentrations ranging from nondetect in GB-3 to 3.9 ug/l in GB-6.

The goal of this investigation was to further define vertical and lateral hydrocarbon impacts in soil and groundwater in the former UST source area. Results of this investigation indicate that residual hydrocarbon impacts in soil and groundwater immediately surrounding the former UST excavation cavity are limited primarily to oxygenate impacts (primarily TBA and MTBE).

Further, given the apparent reduction in hydrocarbon mass over time and the disproportionately high ratio of TBA to MTBE, it appears that hydrocarbons in the former UST source area have attenuated over time via natural processes. We would expect these processes to continue in the future and for source area hydrocarbon concentrations to decrease over time.

1.0 INTRODUCTION

Gribi Associates is pleased to submit this *Source Area Soil Boring Investigation Report* on behalf of Dublin Toyota for the underground storage tank (UST) site located at 6450 Dublin Court in Dublin, California. This letter report describes and documents the drilling and sampling of six soil borings (GB-1 through GB-6) in the area of the former site underground storage tanks (USTs). This investigation was conducted to satisfy directives contained in an October 4, 2008 letter from Alameda County Environmental Health (ACEH) to further define and characterize the vertical and lateral groundwater hydrocarbon impacts in the former UST source area.

1.1 Scope of Work

Gribi Associates was contracted by Dublin Toyota to conduct the following scope of work.

- **Task 1 Conduct prefield activities.**
- **Task 2 Conduct drilling and sampling activities.**
- **Task 3 Conduct laboratory analyses.**
- **Task 4 Prepare report of findings.**

These tasks were conducted in accordance with the approved workplan and with generally accepted sampling guidelines and protocols.

1.2 Limitations

The services provided under this contract as described in this report include professional opinions and judgments based on data collected. These services have been provided according to generally accepted environmental protocol. The opinions and conclusions contained in this report are typically based on information obtained from:

1. Observations and measurements made by our field staff.
2. Contacts and discussions with regulatory agencies and others.
3. Review of available hydrogeologic data.

2.0 SITE BACKGROUND

2.1 General Site Description

The Site is located in a primarily commercial area of Dublin, California and is formerly the location of a Toyota/Scion automobile dealership (see Figure 1 and Figure 2). The site comprises an irregularly shaped land parcel of nearly 3.5 acres. An irregularly shaped building is located in the center of the site parcel that formerly housed the business activities of the car dealership. The west portion of the site building was primarily a show room and sales area, and the east portion of the site building was primarily used as an automotive service area. The site exterior is almost entirely paved with asphalt.

The Site is bounded to the south by U.S. Interstate 580 freeway, to the west by Dublin Sports Grounds Park, to the north by Dublin Court followed by a retail plaza, and to the east by an office-supply warehouse store.

2.2 Site Environmental Conditions

The Dublin Toyota UST site consisted of three USTs located in a common tank farm located adjacent to the northeast corner of the maintenance garage (see Figure 2 and Figure 3). The tank farm was composed of two 2,000-gallon steel gasoline tanks and one 1,000-gallon steel waste oil tank. The three USTs were removed from a common excavation by Scott Company on June 10, 1998. Based on soil and grab groundwater sampling results, which showed elevated levels of gasoline- and diesel-range hydrocarbons, the UST excavation cavity was over-excavated, and approximately 500 gallons of groundwater was pumped from the excavation cavity. Approximately 92 tons of hydrocarbon-impacted soil were disposed of offsite.

In December 1998, Gribi Associates drilled and sampled four investigative soil borings (IB-1 through IB-4), and drilled, installed, and sampled two groundwater monitoring wells (MW-1 and MW-2) at the site. Soil and groundwater samples collected from the borings and wells contained no significant levels of hydrocarbons, except for the groundwater sample from well MW-1, located about 15 feet southwest from the former UST cavity. Groundwater samples from this well contained elevated levels of methyl tert-butyl ether (MTBE).

In August 2000, Gribi Associates drilled and sampled one soil boring (IB-5) sited inside the Dublin Toyota service building west from the former USTs, and drilled, installed, and sampled one groundwater monitoring well (MW-3) sited south-southwest from the former USTs. Soil analytical results from these borings showed no detectable concentrations of gasoline-range hydrocarbons. Groundwater samples from these borings showed concentrations of MTBE that were significantly lower than MTBE concentrations in MW-1, indicating lateral attenuation of MTBE impacts in groundwater southwest from the former USTs. Subsequent groundwater monitoring of the three site groundwater monitoring wells in May 2002, November 2002, and April 2003 showed decreasing concentrations of MTBE in MW-1.

In May 2005, a soil and water investigation (SWI) was conducted that consisted of drilling and sampling twelve soil boring (B-1 through B-12) at the site (*SWI Summary of Findings*, Gribi Associates, June 2005). Results of the investigation indicated groundwater MTBE impacts in a shallow "A" zone immediately downgradient from the source (former location of site USTs) and in a deeper "B" zone further downgradient from the source. The SWI summary report included a brief workplan proposing the installation of ten groundwater monitoring wells, to include four shallow "A" zone wells and six deeper "B" zone wells.

In July 2005, two 2-inch diameter extraction wells (EW-1 and EW-2) were installed in a car wash bay of the Dublin Toyota facility to a depth of approximately 15 feet below surface grade. The extraction wells were constructed within the gravel backfill of the former UST excavation.

Between February and April 2006, Gribi Associates conducted seven aggressive fluid vapor recovery (AFVR) events (*Report or Interim Remedial Measures*, Gribi Associates, April 2006). Each event consisted of approximately four hours of extraction of soil vapor and groundwater at wells EW-1 and EW-2 using a vacuum truck. During the AFVR events, groundwater and vapor

samples were collected to monitor remedial progress. The combined total estimated volume of removed groundwater (approximately 3,200 gallons) and the combined total estimated mass of removed gasoline-range hydrocarbons (four pounds) during the seven AFVR events were relatively small. These results indicated that AFVR had only limited applicability as a source area remedial option for the project site. Given the results and conclusions, implementation of additional AFVR activities at the site was not recommended.

In April 2006, Gribi Associates drilled and installed ten 3/4-inch diameter groundwater monitoring wells (MW-4S, MW-4D, MW-5S, MW-5D, MW-6S, MW-6D, MW-7, MW-8, MW-9, and MW-10) at the site. The locations of the monitoring wells closely mirrored the locations of the soil borings conducted during the 2005 investigation. Results of groundwater monitoring and sampling were very similar to results from the soil and water investigation conducted in May 2005. Groundwater results show elevated MTBE concentrations in Zone A (shallow aquifer, above 20 feet in depth) immediately downgradient from the former UST excavation and elevated MTBE levels in Zone B (deeper aquifer, between 30 and 40 feet bgs) further downgradient from the former UST excavation.

Gribi Associates prepared and submitted *Soil and Groundwater Investigation Workplan* and *Soil and Groundwater Investigation Workplan Addendum* on January 8, 2009 and March 4, 2009, respectively. These workplans proposed: (1) The drilling and sampling of seven Cone Penetrometer Test (CPT) borings; and (2) The drilling and sampling of six source area borings at the site. The workplan and workplan addendum were approved by ACEH in a letter dated March 20, 2009.

In April 2009, Gribi Associates drilled and sampled seven investigative Cone Penetrometer Test (CPT) borings. One upgradient CPT boring was located north of the former UST locations, three downgradient CPT borings were located along the southern perimeter of the property, and three offsite borings were located along Johnson Drive, approximately 350 feet south in a downgradient groundwater flow direction from the site. Approximately three depth-discrete groundwater samples were collected from each of the CPT boring locations. Results of this investigation showed a fairly pervasive permeable thin sand zone, previously identified as the "B" Zone, between approximately 30 and 35 feet bgs. This zone was present in all borings except downgradient borings CPT-6 and CPT-7, the respective middle and westerly CPT borings on Johnson Drive. Groundwater analytical results from this investigation and from onsite "B" Zone wells MW-4D, MW-5D, MW-6D, MW-8, MW-9, and MW-10 define a groundwater MTBE plume in the "B" Zone that appears to extend southwest from the UST source area and then, apparently due to lithologic variability, turns to the south beneath US Interstate 580. This "B" Zone MTBE plume appears to extend at least as far south as CPT-5, in Johnson Drive approximately 500 feet south from the Dublin Toyota UST source area. Two deeper unnamed sand zones, one between 50 and 60 feet bgs and the other between 70 and 80 feet bgs, showed no detectable groundwater MTBE impacts. Thus, it appears that MTBE from the project site has migrated laterally in the "B" Zone, but has not migrated vertically deeper than the "B" Zone in significant quantities.

3.0 DESCRIPTION OF FIELD ACTIVITIES

In order to further define and characterize residual source area hydrocarbon impacts, six soil borings (GB-1 through GB-6), were drilled and sampled on July 13, 2009 and July 31, 2009. All activities will be conducted in accordance with applicable local, State, and Federal guidelines and statutes.

3.1 Prefield Activities

Prior to beginning field activities, written approval was obtained from ACEH. A drilling permit was obtained from Alameda County Zone 7 Water Agency and 72-hour notification was given prior to implementing field activities. A copy of the permit is provided as Appendix A.

Prior to implementing field activities, proposed drilling locations were be marked with white paint, and Underground Services Alert (USA) was notified at least 48 hours prior to drilling. A private underground utility locator was retained to conducted an independent clearance of the proposed well locations.

Prior to initiating drilling activities, a Site Safety Plan was prepared, and a tailgate safety meeting will be conducted with all site workers.

3.2 Location of Borings

Soil boring locations are shown on Figure 3 and Figure 4. Borings were located around the perimeter of the former UST excavation. Two borings were located along each of the eastern and western boundaries of the rectangular excavation, and one borings was located along the northern and southern boundaries of the former UST excavation cavity.

3.3 Drilling and Sampling of Soil Borings

The six soil borings, GB-1 through GB-6, were drilled to approximately 40 feet in depth using direct-push coring equipment. For each boring, continuous soil cores were collected to a depth of approximately 16 feet below surface grade. The continuous soil cores were collected in a clear plastic acetate tube, nested inside a stainless steel core barrel. After each four-foot core barrel was brought, a portion of the soil core contained in the acetate liner was removed for preservation and laboratory analysis. Teflon tape was placed over both ends of the sample core and sealed with plastic end-caps. The samples were then labeled and placed in cold storage pending transport to a laboratory. Following sample collection, the core was sliced lengthwise to expose the soil core, examined, logged, and field screened for hydrocarbons by a qualified geologist using sight and smell. Soil boring logs for the six soil borings are included in Appendix B.

Two grab groundwater samples, a shallow and a deeper sample, were collected from five of the borings GB-2 through GB-6. For boring GB-1, a shallow grab groundwater sample was collected; however, attempts to collect a deeper grab groundwater sample were not successful. The shallow grab groundwater samples were collected from first encountered groundwater after coring to approximately 16 feet below ground surface (bgs). The deeper grab groundwater

samples were collected from approximately 35 feet to 40 feet in depth using a depth-discrete “hydropunch” type groundwater sampling device. Each of the shallow open hole grab groundwater samples was collected using a clean stainless steel bailer after placing 3/4-inch diameter well casing in the boring. The hydropunch-type groundwater sampling method involved pushing hollow drilling rod equipped with a disposable tip to the desired depth. Small diameter well screen was then placed inside the rod, and the rod was retracted, exposing the screen to the desired subsurface interval. With both sampling methods, groundwater was then brought to the surface using a clean, small diameter bailer and poured directly into laboratory-supplied containers. Each sample container was then tightly sealed, labeled, and placed in cold storage for transport to the laboratory under formal chain-of-custody.

All coring and sampling equipment was thoroughly cleaned and decontaminated between each sample collection by triple rinsing first with water, then with dilute liquinox solution, and finally with distilled water. Soil cuttings were contained onsite in sealed drums pending laboratory results. After completion, the three soil borings were grouted to match existing surface grade using a cement/sand slurry.

3.4 Laboratory Analysis of Soil and Water Samples

Twenty-three soil samples and eleven groundwater samples were analyzed for the following parameters:

- USEPA 8260B Total Petroleum Hydrocarbons as Gasoline (TPH-G)
- USEPA 8260B Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX)
- USEPA 8260B Oxygenates (TAME, TBA, DIPE, ETBE, and MTBE)

All analyses were conducted by Sunstar, a California-certified laboratory, with standard turnaround time on results.

4.0 RESULTS OF INVESTIGATION

4.1 General Subsurface Conditions

Soils in the six investigative borings were generally similar, consisting primarily of dark grey silts and clays down to approximately nine feet in depth, followed by a thin silty sand to about 11 feet in depth, and then by brown silts and clays to 20 feet in depth, the maximum depth cored.

Shallow groundwater was generally encountered at depths ranging from 12 to 16 feet below surface grade. During hydropunch sampling, groundwater was encountered at a depth of approximately 37 feet below surface grade.

During drilling, no evidence of unusual odors or staining were noted in soils and groundwater samples from any of the six soil borings.

4.2 Results of Laboratory Analyses

Groundwater analytical results are summarized in Table 1 and on Figure 4. The laboratory data reports and chain of custody records are contained in Appendix C.

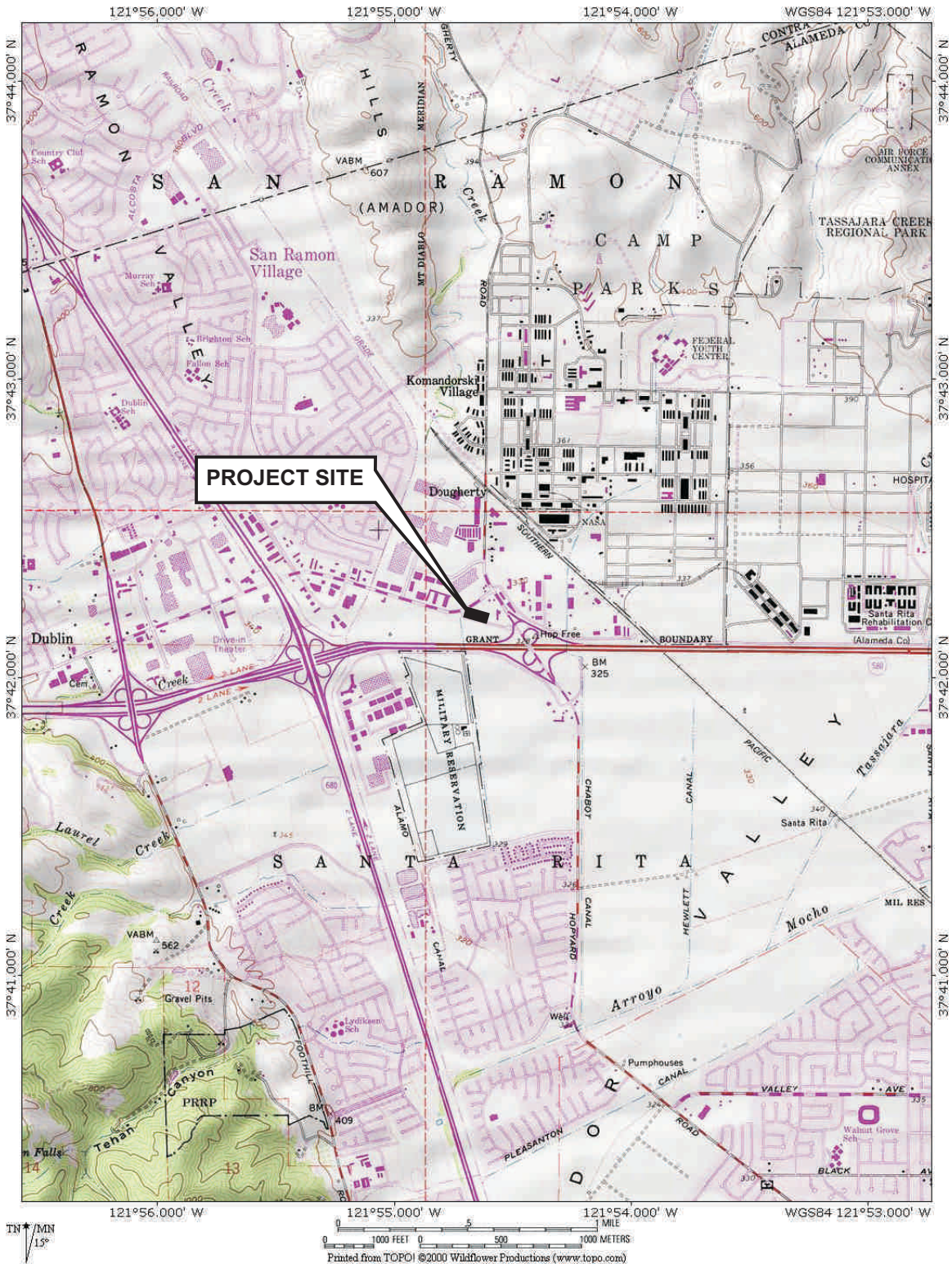
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Groundwater analytical results showed very low to nondetectable concentrations of TPH-G and BTEX constituents in both shallow and deep groundwater samples from the six borings. Oxygenate concentrations in groundwater were more persistent in shallow samples, with TBA concentrations ranging from nondetect in GB-4 to 6,000 ug/l in GB-6, and MTBE concentrations ranging from 17 ug/l in GB-6 to 240 ug/l in GB-2. Deeper groundwater samples showed TBA concentrations ranging from nondetect in GB-2, GB-3, GB-4, and GB-6 to 11 ug/l in GB-5, and MTBE concentrations ranging from nondetect in GB-3 to 3.9 ug/l in GB-6.

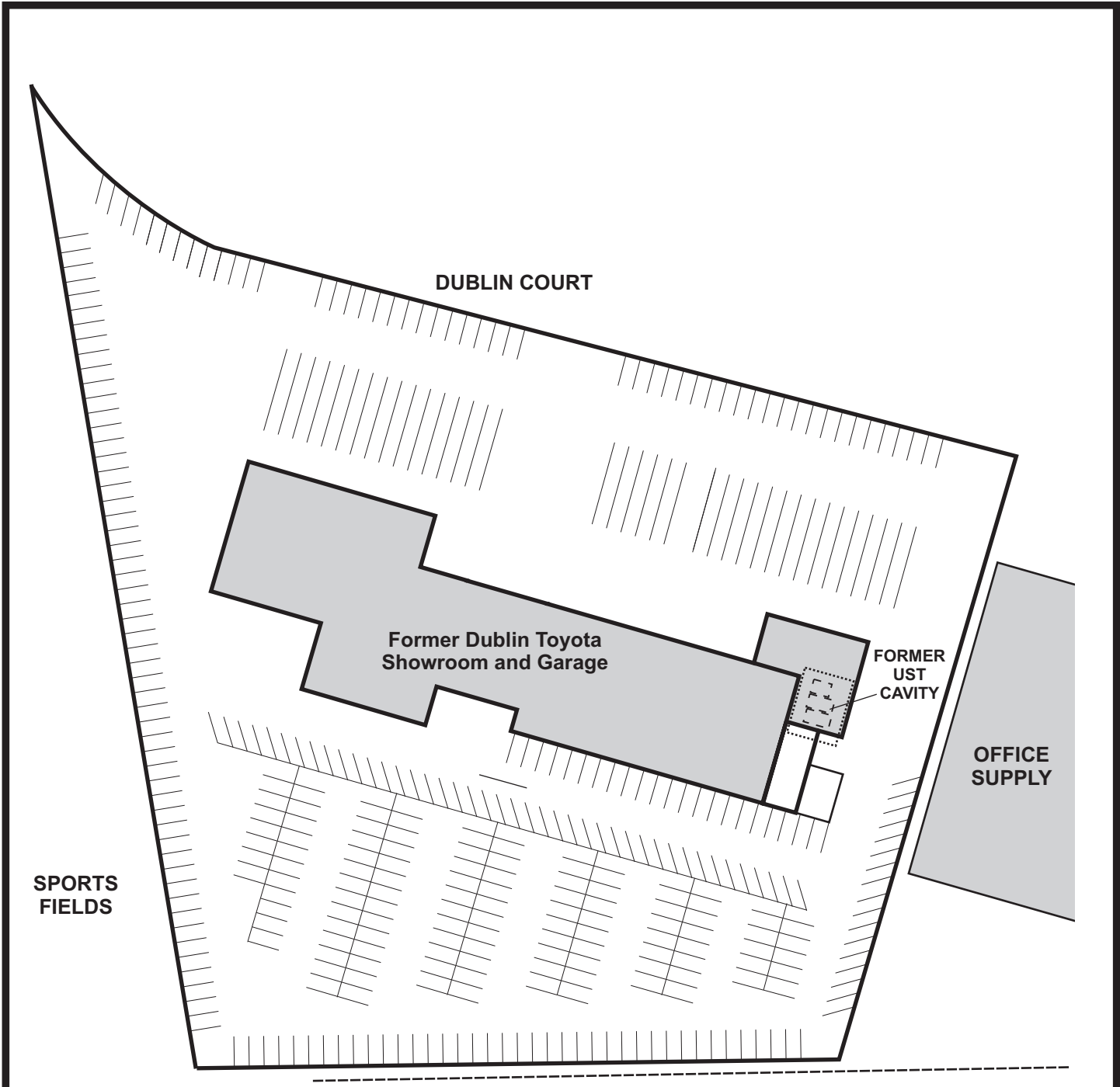
5.0 CONCLUSIONS

The goal of this investigation was to further define vertical and lateral hydrocarbon impacts in soil and groundwater in the former UST source area. Results of this investigation indicate that residual hydrocarbon impacts in soil and groundwater immediately surrounding the former UST excavation cavity are limited primarily to oxygenate impacts (primarily TBA and MTBE). Further, given the apparent reduction in hydrocarbon mass over time and the disproportionately high ratio of TBA to MTBE, it appears that hydrocarbons in the former UST source area have attenuated over time via natural processes. We would expect these processes to continue in the future and for source area hydrocarbon concentrations to decrease over time.

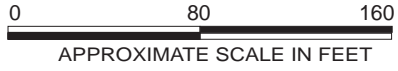
FIGURES



DESIGNED BY:	CHECKED BY:	SITE VICINITY MAP DUBLIN TOYOTA UST SITE 6450 DUBLIN COURT DUBLIN, CALIFORNIA	DATE: 10/06/2009	FIGURE: 1
DRAWN BY: MAR	SCALE:			
PROJECT NO:				



US INTERSTATE 580



DESIGNED BY:	CHECKED BY:	SITE PLAN DUBLIN TOYOTA UST SITE 6450 DUBLIN COURT DUBLIN, CALIFORNIA	DATE: 10/06/2009	FIGURE: 2
DRAWN BY: MAR	SCALE:			
PROJECT NO:				

○ - Soil Boring Locations

all concentrations are in milligrams per kilogram (mg/kg)

Depth	3.5'	7.5'	11.5'
TPH-MO	<10.0	12	<10.0
TPH-D	<2.0	2.1	5.5
TPH-G	<1.0	<1.0	<1.0
B:	<0.0050	<0.0050	<0.0050
T:	<0.0050	<0.0050	<0.0050
E:	<0.0050	<0.0050	<0.0050
X:	<0.0050	<0.0050	<0.0050
MTBE:	<0.050	<0.050	<0.050

Depth	12.0'
TPH-G:	<0.50
B:	<0.0020
T:	<0.0020
E:	<0.0040
X:	<0.0040
MTBE:	0.41

Depth	8.0'	35.0'
TPH-G:	<0.50	<0.50
B:	<0.0020	<0.0020
T:	<0.0020	<0.0020
E:	<0.0020	<0.0020
X:	<0.0020	<0.0020
MTBE:	<0.0050	<0.0050

TPH-G:	2,000
B:	5.5
T:	69
E:	28
X:	180
MTBE:	30

Depth	7.0'	11.0'
TPH-D:	<1.0	<1.0
TPH-G:	<1.0	<1.0
B:	<0.0050	<0.0050
T:	<0.0050	<0.0050
E:	<0.0050	<0.0050
X:	<0.0050	<0.0050
MTBE:	<0.050	<0.050

TPH-G:	83
B:	<0.02
T:	0.58
E:	1.4
X:	9.4
MTBE:	1.0

Depth	12.0'
TPH-G:	0.79
B:	<0.0020
T:	<0.0020
E:	0.011
X:	0.017
MTBE:	0.54

Depth	7.5'
TPH-MO	13
TPH-D	3.1
TPH-G:	<1.0
B:	<0.005
T:	<0.005
E:	<0.005
X:	<0.005
MTBE:	<0.050

Depth	7.0'	11.0'
TPH-D:	<1.0	<1.0
TPH-G:	<1.0	<1.0
B:	<0.0050	<0.0050
T:	<0.0050	<0.0050
E:	<0.0050	<0.0050
X:	<0.0050	<0.0050
MTBE:	<0.050	<0.050

TPH-G:	1,500
B:	1.7
T:	58
E:	25
X:	140
MTBE:	6.8

Depth	5.0'	38.0'
TPH-G:	<0.5	<0.5
B:	<0.002	<0.0050
T:	<0.002	<0.0050
E:	<0.002	<0.0050
X:	<0.002	<0.0050
MTBE:	0.70	0.79

Depth	7.5'	8.0'	13.0'	35.5'
TPH-G:	<0.5	<0.5	<0.5	<0.5
B:	<0.0020	<0.0020	<0.0020	<0.0020
T:	<0.0020	<0.0020	<0.0020	<0.0020
E:	<0.0020	<0.0020	<0.0020	<0.0020
X:	<0.0020	<0.0020	<0.0020	<0.0020
MTBE:	<0.0050	<0.0050	<0.0050	<0.0050

Depth	1.75'	5.25'	8.75'	12.0'	13.75'
TPH-G:	<0.5	<0.5	<0.5	<0.5	<0.5
B:	0.018	0.0078	0.0055	<0.0020	<0.0020
T:	0.017	<0.0020	<0.0020	0.0051	0.0047
E:	0.0070	<0.0020	0.0026	<0.0020	<0.0020
X:	0.014	<0.0020	<0.0020	<0.0020	<0.0020
MTBE:	0.43	1.1	1.3	<0.0050	1.4

Depth	7.5'
TPH-MO	4.6
TPH-D	<10.0
TPH-G:	<1.0
B:	<0.005
T:	<0.005
E:	<0.005
X:	<0.005
MTBE:	<0.050

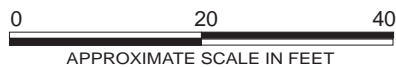
Depth	7.0'	10.5'	35.0'
TPH-G:	<1.0	<1.0	<1.0
B:	<0.005	<0.0050	<0.0050
T:	<0.005	<0.0050	<0.0050
E:	<0.005	<0.0050	<0.0050
X:	<0.005	<0.0050	<0.0050
MTBE:	0.026	0.47	0.0094

Depth	5.0'	38.0'
TPH-G:	<0.5	<0.5
B:	<0.002	<0.0050
T:	<0.002	<0.0050
E:	<0.002	<0.0050
X:	<0.002	<0.0050
MTBE:	0.70	0.79

Depth	5.5'	10.5'
TPH-MO	<10.0	<10
TPH-D	<1.0	<1.0
TPH-G:	<1.0	<1.0
B:	<0.005	<0.0050
T:	0.020	0.017
E:	<0.005	<0.0050
X:	<0.005	<0.0050
MTBE:	2.1	0.35

Depth	10.5'	16.5'
TPH-D:	<1.0	<1.0
TPH-G:	<1.0	<1.0
B:	<0.005	<0.0050
T:	<0.005	<0.0050
E:	<0.005	<0.0050
X:	<0.005	<0.0050
MTBE:	<0.050	<0.050

Depth	7.5'	11.5'
TPH-MO	<10.0	<10
TPH-D	1.2	<1.0
TPH-G:	<1.0	<1.0
B:	<0.005	<0.0050
T:	<0.005	<0.0050
E:	<0.005	<0.0050
X:	<0.005	<0.0050
MTBE:	<0.050	<0.050



DESIGNED BY:

CHECKED BY:

DRAWN BY: MAR

SCALE:

PROJECT NO:

HISTORICAL SOIL HYDROCARBON RESULTS

DUBLIN TOYOTA UST SITE
6450 DUBLIN COURT
DUBLIN, CALIFORNIA

DATE: 10/06/2009

FIGURE: 3



Depth	SOIL				WATER
	4.5'	7.5'	9.5'	11.5'	0-16'
TPH-G:	<0.5	<0.5	<0.5	<0.5	110
B:	<0.005	<0.005	<0.005	<0.005	1.4
T:	<0.005	<0.005	<0.005	<0.005	<0.5
E:	0.0078	0.0097	<0.005	<0.005	1.4
X:	<0.005	<0.005	<0.005	<0.005	<1.0
TBA:	<0.05	<0.05	0.41	0.33	2,000
MTBE:	0.035	0.17	<0.02	<0.02	100

Depth	SOIL				WATER	
	4.5'	7.5'	9.5'	11.5'	0-12'	35-40'
TPH-G:	<0.5	<0.5	<0.5	<0.5	240	<50
B:	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5
T:	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5
E:	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5
X:	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0
TBA:	<0.05	<0.05	0.34	<0.05	250	<10
MTBE:	0.039	<0.02	<0.02	<0.02	<1.0	3.4

Depth	SOIL			WATER	
	4.5'	7.5'	11.5'	0-16'	35-40'
TPH-G:	<0.5	<0.5	<0.5	<50	<50
B:	<0.005	<0.005	<0.005	2.8	<0.5
T:	<0.005	<0.005	<0.005	<2.5	<0.5
E:	<0.005	<0.005	<0.005	<2.5	<0.5
X:	<0.005	<0.005	<0.005	<5.0	<1.0
TBA:	<0.05	1.2	0.41	6,000	<10
MTBE:	0.100	<0.02	<0.02	17	3.9

Depth	SOIL				WATER	
	4.5'	7.5'	9.5'	11.5'	0-16'	35-40'
TPH-G:	<0.5	<0.5	<0.5	<0.5	68	<50
B:	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5
T:	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5
E:	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5
X:	<0.005	<0.005	<0.005	<0.005	<1.0	<0.5
TBA:	<0.05	0.32	1.4	<0.050	4,200	11
MTBE:	<0.02	<0.02	0.056	0.13	86	2.8

Depth	SOIL				WATER	
	4.5'	7.5'	9.5'	11.5'	0-20'	32-40'
TPH-G:	<0.5	<0.5	<0.5	<0.5	<50	<50
B:	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5
T:	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5
E:	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5
X:	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0
TBA:	0.32	3.5	0.29	1.7	<10	<10
MTBE:	0.27	<0.020	0.14	0.3	42	2.5

Depth	SOIL				WATER	
	4.5'	7.5'	9.5'	11.5'	0-16'	34-40'
TPH-G:	<0.5	<0.5	<0.5	<0.5	<50	<50
B:	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5
T:	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5
E:	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5
X:	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0
TBA:	<0.050	0.21	0.076	<0.050	620	<10
MTBE:	0.062	<0.02	0.040	<0.02	33	<1.0

UST EXCAVATION
CAVITY (BACKFILLED)

FORMER 1,000-GAL
WASTE OIL UST

FORMER 2,000-GAL
GASOLINE UST'S

STORAGE
AREA

GB-6

GB-5

GB-1

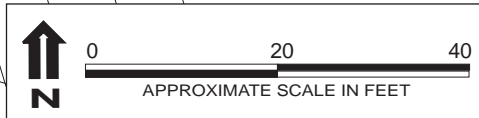
GB-2

GB-3

GB-4

MW-1

MW-2



○ - soil boring locations
all soil concentrations are in milligrams per kilogram (mg/kg)
all groundwater concentrations are in micrograms per liter (ug/L)

DESIGNED BY:	CHECKED BY:	SOIL BORING INVESTIGATION RESULTS DUBLIN TOYOTA UST SITE 6450 DUBLIN COURT DUBLIN, CALIFORNIA	DATE: 10/06/2009	FIGURE: 4
DRAWN BY: MAR	SCALE:			
PROJECT NO:				

TABLE

Table 1
SUMMARY OF SOIL AND GROUNDWATER ANALYTICAL RESULTS
Dublin Toyota UST Site

Sample ID	Sample Matrix	Sample Depth	Soil Concentration: milligrams per kilogram (mg/kg), Groundwater Concentration: micrograms per kilogram (ug/L)						
			TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes	TBA	MTBE
GB-1-4.5	Soil	4.5 feet	<0.5	<0.005	<0.005	0.0078	<0.01	<0.050	0.035
GB-1-7.5	Soil	7.5 feet	<0.5	<0.005	<0.005	0.0097	<0.01	<0.050	0.17
GB-1-9.5	Soil	9.5 feet	<0.5	<0.005	<0.005	<0.005	<0.01	0.41	<0.02
GB-1-11.5	Soil	11.5 feet	<0.5	<0.005	<0.005	<0.005	<0.01	0.33	<0.02
<i>GB-1-GWS</i>	<i>Water</i>	<i>(0-16 feet)</i>	110	1.4	<0.5	1.4	<1.0	2,000	100
GB-2-4.5	Soil	4.5 feet	<0.5	<0.005	<0.005	<0.005	<0.01	<0.050	0.039
GB-2-7.5	Soil	7.5 feet	<0.5	<0.005	<0.005	<0.005	<0.01	<0.050	<0.02
GB-2-9.5	Soil	9.5 feet	<0.5	<0.005	<0.005	<0.005	<0.01	0.34	<0.02
GB-2-11.5	Soil	11.5 feet	<0.5	<0.005	<0.005	<0.005	<0.01	<0.050	<0.02
<i>GB-2-GWS</i>	<i>Water</i>	<i>(0-12 feet)</i>	240	<0.5	<0.5	<0.5	<1.0	250	240
<i>GB-2-GWD</i>	<i>Water</i>	<i>(35-40 feet)</i>	<50	<0.5	<0.5	<0.5	<1.0	<10	3.4
GB-3-4.5	Soil	4.5 feet	<0.5	<0.005	<0.005	<0.005	<0.01	<0.050	0.062
GB-3-7.5	Soil	7.5 feet	<0.5	<0.005	<0.005	<0.005	<0.01	0.21	<0.02
GB-3-9.5	Soil	9.5 feet	<0.5	<0.005	<0.005	<0.005	<0.01	0.076	0.040
GB-3-11.5	Soil	11.5 feet	<0.5	<0.005	<0.005	<0.005	<0.01	<0.050	<0.02
<i>GB-3-GWS</i>	<i>Water</i>	<i>(0-16 feet)</i>	<50	<0.5	<0.5	<0.5	<1.0	620	33
<i>GB-3-GWD</i>	<i>Water</i>	<i>(34-40 feet)</i>	<50	<0.5	<0.5	<0.5	<1.0	<10	<1.0
GB-4-4.5	Soil	4.5 feet	<0.5	<0.005	<0.005	<0.005	<0.01	0.32	0.27
GB-4-7.5	Soil	7.5 feet	<0.5	<0.005	<0.005	<0.005	<0.01	3.5	<0.02
GB-4-9.5	Soil	9.5 feet	<0.5	<0.005	<0.005	<0.005	<0.01	0.29	0.14
GB-4-11.5	Soil	11.5 feet	<0.5	<0.005	<0.005	<0.005	<0.01	1.7	0.30
<i>GB-4-GWS</i>	<i>Water</i>	<i>(0-20 feet)</i>	<50	<0.5	<0.5	<0.5	<1.0	<10	42
<i>GB-4-GWD</i>	<i>Water</i>	<i>(32-40 feet)</i>	<50	<0.5	<0.5	<0.5	<1.0	<10	2.5
GB-5-4.5	Soil	4.5 feet	<0.5	<0.005	<0.005	<0.005	<0.01	<0.050	<0.02
GB-5-7.5	Soil	7.5 feet	<0.5	<0.005	<0.005	<0.005	<0.01	0.32	<0.02
GB-5-9.5	Soil	9.5 feet	<0.5	<0.005	<0.005	<0.005	<0.01	1.4	0.056
GB-5-11.5	Soil	11.5 feet	<0.5	<0.005	<0.005	<0.005	<0.01	<0.050	0.130
<i>GB-5-GWS</i>	<i>Water</i>	<i>(0-16 feet)</i>	68	<0.5	<0.5	<0.5	<1.0	4,200	86
<i>GB-5-GWD</i>	<i>Water</i>	<i>(35-40 feet)</i>	<50	<0.5	<0.5	<0.5	<1.0	11	2.8

Table 1
SUMMARY OF SOIL AND GROUNDWATER ANALYTICAL RESULTS
Dublin Toyota UST Site

Sample ID	Sample Matrix	Sample Depth	Soil Concentration: milligrams per kilogram (mg/kg), Groundwater Concentration: micrograms per kilogram (ug/L)						
			TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes	TBA	MTBE
GB-6-4.5	Soil	4.0 feet	<0.5	<0.005	<0.005	<0.005	<0.01	<0.050	0.100
GB-6-7.5	Soil	7.5 feet	<0.5	<0.005	<0.005	<0.005	<0.01	1.2	<0.02
GB-6-11.5	Soil	11.5 feet	<0.5	<0.005	<0.005	<0.005	<0.01	0.41	<0.02
<i>GB-6-GWS</i>	<i>Water</i>	<i>(0-16 feet)</i>	<i><50</i>	<i>2.8</i>	<i><2.5</i>	<i><2.5</i>	<i><5.0</i>	<i>6,000</i>	<i>17</i>
<i>GB-6-GWD</i>	<i>Water</i>	<i>(35-40 feet)</i>	<i><50</i>	<i><0.5</i>	<i><0.5</i>	<i><0.5</i>	<i><1.0</i>	<i><10</i>	<i>3.9</i>
Shallow Soil ESL, groundwater IS a drinking water source, commercial land use			83	0.044	2.9	3.3	2.3	0.075	0.023
<i>Groundwater ESL, groundwater IS a drinking water source, commercial land use.</i>			<i>100</i>	<i>1.0</i>	<i>40</i>	<i>30</i>	<i>20</i>	<i>12</i>	<i>5.0</i>

Table Notes:

TPH-D = total petroleum hydrocarbons as diesel
TPH-G = total petroleum hydrocarbons as gasoline
MTBE = Methyl tert-butyl ether
<1.0 = Not detected above the expressed detection level.
All ND = No detectable concentrations of full list of constituents

ESL = Environmental Screening Levels, as contained in *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, San Francisco Bay Regional Water Quality Control Board, Interim Final, May 2008.

APPENDIX A
DRILLING PERMIT



ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 454-5728

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 6450 DUBLIN COURT, DUBLIN, CALIFORNIA,

PERMIT NUMBER 29054

WELL NUMBER _____

APN 941-1400-007-00

California Coordinates Source _____ ft. Accuracy: _____ ft.
CCN _____ ft CCE _____ ft
APN _____

PERMIT CONDITIONS

(Circled Permit Requirements Apply)

CLIENT
Name DUBLIN TOYOTA
Address 6450 DUBLIN COURT Phone 925-551-0527
City DUBLIN, CALIFORNIA Zip 94568

A. GENERAL

1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects or drilling logs and location sketch for geotechnical projects
3. Permit is void if project not begun within 90 days of approval date

APPLICANT
Name GRIHI ASSOCIATES
Address 1090 ADAMS STREET, #K Phone 707-748-7743
City BENICIA, CALIFORNIA Zip 94510

B. WATER SUPPLY WELLS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved
3. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements
4. A sample port is required on the discharge pipe near the wellhead.

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	<input type="checkbox"/>	General	<input type="checkbox"/>
Water Supply	<input type="checkbox"/>	Contamination	<input checked="" type="checkbox"/>
Monitoring	<input type="checkbox"/>	Well Destruction	<input type="checkbox"/>

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet

PROPOSED WELL USE

New Domestic	<input type="checkbox"/>	Irrigation	<input type="checkbox"/>
Municipal	<input type="checkbox"/>	Remediation	<input type="checkbox"/>
Industrial	<input type="checkbox"/>	Groundwater Monitoring	<input type="checkbox"/>
Dewatering	<input type="checkbox"/>	Other _____	<input type="checkbox"/>

D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

DRILLING METHOD:
Mud Rotary Air Rotary Hollow Stem Auger
Cable Tool Direct Push Other _____

E. CATHODIC. Fill hole above anode zone with concrete placed by tremie

DRILLING COMPANY GREGG DRILLING AND TESTING
DRILLER'S LICENSE NO. 485165

F. WELL DESTRUCTION. See attached.

WELL PROJECTS

Drill Hole Diameter _____ in	Maximum
Casing Diameter _____ in	Depth _____ ft
Surface Seal Depth _____ ft	Number _____

G. SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after the completion of permitted work the well installation report including all soil and water laboratory analysis results

SOIL BORINGS

Number of Borings <u>6</u>	Maximum
Hole Diameter <u>3.0</u> in	Depth <u>40</u> ft

ESTIMATED STARTING DATE JULY 27, 2009
ESTIMATED COMPLETION DATE JULY 29, 2009

Approved Wyman Hong Date 8/10/09

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68

APPLICANT'S SIGNATURE [Signature] Date 7/06/2009

ATTACH SITE PLAN OR SKETCH

Revised April 27, 2005

APPENDIX B
SOIL BORING LOGS

BORING NUMBER : **GB-1**

BORING LOCATION:

BORING TYPE: SOIL BORING

PROJECT NAME: DUBLIN TOYOTA
DUBLIN, CALIFORNIA

PROJECT NUMBER:

LOG OF SOIL BORING

GRIBI Associates

SHEET 1 OF 1

DRILLING CONTRACTOR: GREGG DRILLING

DRILLING METHOD: DIRECT-PUSH

BOREHOLE DIAMETER: 2.5 INCHES

COMPLETION METHOD: GROUT

BORING TOTAL DEPTH: 16.0 FEET

GROUNDWATER DEPTH:

START DATE: 07/13/2009

COMPLETION DATE: 07/13/2009

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & BLOW COUNTS ▽ - INITIAL ▲ - FINAL	USCS	LOG OF MATERIAL		PIEZOMETRY WELL INSTALLATION
						0.0 - 1.0 ft.	Concrete and base.	
5	GB-1-4.5	4.5 FT.			ML	1.0 - 9.0 ft.	Clayey Silt (ML) Dark grey, moist, soft to medium stiff, no odor or staining.	
	GB-1-7.5	7.5 FT.						
10	GB-1-9.5	9.5 FT.			CL	9.0 - 12.0 ft.	Silty Clay (CL) Dark grey, moist, moist, stiff, no odor or staining.	
	GB-1-11.5	11.5 FT.			SM	12.0 - 14.0 ft.	Silty Sand (SM) Dark grey, wet, very fine to fine grain, no odor or staining.	
15					CL	14.0 - 16.0 ft.	Silty Clay (CL) Dark grey becoming brown, moist, very stiff, no odor or staining.	
						TOTAL DEPTH: 16.0 FEET (below ground surface)		
20						<p align="center">Groundwater Sampling</p> <p>Grab groundwater sample collected from 0 - 16 fbg.</p> <p>Attempt to collect discrete groundwater sample by hydro-punching to 40 fbg. Pull up to 25 fbg in 5-foot increments but water does not come in.</p>		

LOG OF SOIL BORING

SHEET 1 OF 1

BORING NUMBER : **GB-2**

BORING LOCATION:

GRIBI Associates

DRILLING CONTRACTOR: GREGG DRILLING

DRILLING METHOD: DIRECT-PUSH

BORING TYPE: SOIL BORING

BOREHOLE DIAMETER: 2.5 INCHES

PROJECT NAME: DUBLIN TOYOTA
DUBLIN, CALIFORNIA

START DATE: 07/13/2009

COMPLETION METHOD: GROUT

BORING TOTAL DEPTH: 12.0 FEET

PROJECT NUMBER:

COMPLETION DATE: 07/13/2009

GROUNDWATER DEPTH:

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & BLOW COUNTS ▽ - INITIAL ▲ - FINAL	USCS	LOG OF MATERIAL		PIEZOMETRY WELL INSTALLATION
						0.0 - 1.0 ft.	Asphalt and base.	
5	GB-2-4.5	4.5 FT.			ML	1.0 - 7.0 ft.	Clayey Silt (ML) Dark grey, moist, soft to medium stiff, no odor or staining.	
	GB-2-7.5	7.5 FT.			SM	7.0 - 10.0 ft.	Silty Sand (SM) Dark grey, moist to wet, fine to medium grain, no odor or staining.	
10	GB-2-9.5	9.5 FT.			CL	10.0 - 12.0 ft.	Silty Clay (CL) Dark grey, moist, stiff, no odor or staining.	
	GB-2-11.5	11.5 FT.				TOTAL DEPTH: 12.0 FEET (below ground surface)		
15	Groundwater Sampling Grab groundwater sample collected from 0 - 12 fbg. Discrete groundwater sample collected from 35 to 40 fbg.							
20								

BORING NUMBER : **GB-3**

BORING LOCATION:

BORING TYPE: SOIL BORING

PROJECT NAME: DUBLIN TOYOTA
DUBLIN, CALIFORNIA

PROJECT NUMBER:

LOG OF SOIL BORING

GRIBI Associates

SHEET 1 OF 1

DRILLING CONTRACTOR: GREGG DRILLING

DRILLING METHOD: DIRECT-PUSH

BOREHOLE DIAMETER: 2.5 INCHES

COMPLETION METHOD: GROUT

BORING TOTAL DEPTH: 40.0 FEET

GROUNDWATER DEPTH:

START DATE: 07/13/2009

COMPLETION DATE: 07/13/2009

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & BLOW COUNTS ▽ - INITIAL ▲ - FINAL	USCS	LOG OF MATERIAL		PIEZOMETRY WELL INSTALLATION
						DESCRIPTION	USCS	
						0.0 - 1.0 ft.	Asphalt and base.	
5	GB-3-4.5	4.5 FT.			ML	1.0 - 9.0 ft.	Clayey Silt (ML) Dark grey, moist, soft to medium stiff, no odor or staining.	
	GB-3-7.5	7.5 FT.						
10	GB-3-9.5	9.5 FT.			CL	9.0 - 12.5 ft.	Silty Clay (CL) Dark grey, moist, stiff, no odor or staining.	
	GB-3-11.5	11.5 FT.						
15					SM	12.5 - 14.0 ft.	Silty Sand (SM) Dark grey, wet, very fine to fine grain, no odor or staining.	
					CL	14.0 - 16.0 ft.	Silty Clay (CL) Brown, moist, stiff to very stiff, no odor or staining.	
						TOTAL DEPTH: 16.0 FEET (below ground surface)		
20						<p align="center">Groundwater Sampling</p> <p>Grab groundwater sample collected from 0 - 16 fbg. Discrete groundwater sample collected from 34 to 40 fbg.</p>		

BORING NUMBER : **GB-4**

BORING LOCATION:

BORING TYPE: SOIL BORING

PROJECT NAME: DUBLIN TOYOTA
DUBLIN, CALIFORNIA

PROJECT NUMBER:

LOG OF SOIL BORING

GRIBI Associates

SHEET 1 OF 1

DRILLING CONTRACTOR: GREGG DRILLING

DRILLING METHOD: DIRECT-PUSH

BOREHOLE DIAMETER: 2.5 INCHES

COMPLETION METHOD: WELL BOX

BORING TOTAL DEPTH: 20.0 FEET

GROUNDWATER DEPTH:

START DATE: 07/13/2009

COMPLETION DATE: 07/13/2009

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & BLOW COUNTS ▽ - INITIAL ▲ - FINAL	USCS	LOG OF MATERIAL		PIEZOMETRY WELL INSTALLATION
						0.0 - 1.0 ft.	Asphalt and base.	
5	GB-4-4.5	4.5 FT.			ML	1.0 - 8.0 ft.	Clayey Silt (ML) Dark grey, moist, soft to medium stiff, moderately sandy at 8 to 10 feet, no odor or staining.	
	GB-4-7.5	7.5 FT.						
10	GB-4-9.5	9.5 FT.			SM	8.0 - 10.0 ft.	Silty Sand (SM) Dark grey, moist, very fine to fine grain, no odor or staining.	
	GB-4-11.5	11.5 FT.						
15					CL	10.0 - 20.0 ft.	Silty Clay (CL) Dark grey, moist, stiff, no hydrocarbon odors or staining.	
20								
						TOTAL DEPTH: 16.0 FEET (below ground surface)		
						<p align="center">Groundwater Sampling</p> <p>Grab groundwater sample collected from 0 - 20 fbg. Discrete groundwater sample collected from 32 to 40 fbg.</p>		

BORING NUMBER : **GB-5**

BORING LOCATION:

BORING TYPE: SOIL BORING

PROJECT NAME: DUBLIN TOYOTA
DUBLIN, CALIFORNIA

PROJECT NUMBER:

LOG OF SOIL BORING

GRIBI Associates

SHEET 1 OF 1

DRILLING CONTRACTOR: GREGG DRILLING

DRILLING METHOD: DIRECT-PUSH

BOREHOLE DIAMETER: 2.5 INCHES

COMPLETION METHOD: WELL BOX

BORING TOTAL DEPTH: 40.0 FEET

GROUNDWATER DEPTH:

START DATE: 07/13/2009

COMPLETION DATE: 07/13/2009

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & BLOW COUNTS ▽ - INITIAL ▲ - FINAL	USCS	LOG OF MATERIAL		PIEZOMETRY WELL INSTALLATION
						DEPTH	DESCRIPTION	
						0.0 - 1.0 ft.	Asphalt and base.	
5	GB-5-4.5	4.5 FT.			ML	1.0 - 9.0 ft.	Clayey Silt (ML) Dark grey, moist, soft to medium stiff, no odor or staining.	
	GB-5-7.5	7.5 FT.						
10	GB-5-9.5	9.5 FT.			CL	9.0 - 12.0 ft.	Silty Clay (CL) Dark grey, moist, stiff, no odor or staining.	
	GB-5-11.5	11.5 FT.			SM	12.0 - 13.5 ft.	Silty Sand (SM) Dark grey, wet, very fine to fine grain, no odor or staining.	
15					CL	13.5 - 16.0 ft.	Silty Clay (CL) Brown, moist, stiff to very stiff, no odor or staining.	
						TOTAL DEPTH: 16.0 FEET (below ground surface)		
20						<div style="border: 1px solid black; padding: 5px; text-align: center;"> Groundwater Sampling Grab groundwater sample collected from 0 - 16 fbg. Discrete groundwater sample collected from 35 to 40 fbg. </div>		

APPENDIX C

**LABORATORY DATA REPORTS AND
CHAIN OF CUSTODY RECORDS**



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

22 July 2009

Matt Rosman
Gribi Associates
1090 Adam Street, Suite K
Benicia, CA 94510
RE: Dublin Toyota

Enclosed are the results of analyses for samples received by the laboratory on 07/17/09 09:46. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John Shepler
Laboratory Director

SunStar Laboratories, Inc.
 3002 Dow Ave, Suite 212
 Tustin, CA 92780
 714-505-4010

Chain of Custody Record

Client: Gribi Associates
 Address: 1090 Adams Street, #K Banica CA 94570
 Phone: 707-748-7743 Fax: 707-748-7763
 Project Manager: M. Rosman

Date: 7/16/2009 Page: 1 of 4
 Project Name: Dublin Toyota
 Collector: M. Rosman Client Project #: _____
 Batch #: T900657

COC 83673

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY, only TPH-G	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Laboratory ID #	Comments/Preservative	Total # of containers	
GB-1-4.5	7/13	1235	Soil	jar			X							01			
GB-1-7.5	↓	1240	↓	jar			X							02			
GB-1-9.5	↓	1245	↓	↓			X							03			
GB-1-11.5	↓	1250	↓	↓			X							04			
GB-1-14.0	↓	1252	↓	↓			X							05	HOLD		
GB-2-4.5	7/13	1030	Soil	jar			X							06			
GB-2-7.5	↓	1035	↓	jar			X							07			
GB-2-9.5	↓	1040	↓	↓			X							08			
GB-2-11.5	↓	1045	↓	↓			X							09			
Relinquished by: (signature) <u>M. Rosman</u> Date / Time <u>7/16/09 1230</u>					Received by: (signature) <u>[Signature]</u> Date / Time <u>7/16 100</u>					Total # of containers		57	Notes				
Relinquished by: (signature) _____ Date / Time _____					Received by: (signature) _____ Date / Time _____					Chain of Custody seals Y/N/NA		Y	STD. TAT <u>7-17-09</u> BC				
Relinquished by: (signature) <u>GSO</u> Date / Time <u>7/17/09 946</u>					Received by: (signature) <u>B. Chan</u> Date / Time <u>7/17/09 946</u>					Seals intact? Y/N/NA		Y					
										Received good condition/cold		4.7	Turn around time: _____				

Sample disposal Instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____

SunStar Laboratories, Inc.
 3002 Dow Ave, Suite 212
 Tustin, CA 92780
 714-505-4010

Chain of Custody Record

Client: Gribi Associates
 Address: 1090 Adams St, #K, Buick, CA
 Phone: 707-748-7743 Fax: 707-748-7763
 Project Manager: M. Rasman

Date: 7/16/2009 Page: 2 Of 4
 Project Name: Dublin Toyota
 Collector: M. Rasman Client Project #: _____
 Batch #: T900657

COC 83675

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only TPA-G	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Laboratory ID #	Comments/Preservative	Total # of containers	
GB-3-4.5	7/13	0820	Soil	jar			X							10			
GB-3-7.5	↓	0830	↓	jar			X							11			
GB-3-9.5	↓	0835	↓	↓			X							12			
GB-3-11.5	↓	0840	↓	↓			X							13			
GB-3-14.0	↓	0845	↓	↓			X							14	HOLD		
GB-4-4.5	7/13	0925	Soil	jar			X							15			
GB-4-7.5	↓	0930	↓	jar			X							16			
GB-4-9.5	↓	0935	↓	↓			X							17			
GB-4-11.5	↓	0945	↓	↓			X							18			
GB-4-13.5	↓	0950	↓	↓			X							19	HOLD		
GB-4-15.5	↓	0955	↓	↓			X							20	HOLD		
Relinquished by: (signature) <u>M. Rasman</u> Date / Time <u>7/16/09 1230</u>					Received by: (signature) <u>[Signature]</u> Date / Time <u>7/16 100</u>					Total # of containers		57	Notes				
Relinquished by: (signature) _____ Date / Time _____					Received by: (signature) _____ Date / Time _____					Chain of Custody seals Y/N/NA		Y	STD. TAT <u>7-17-09</u>				
Relinquished by: (signature) _____ Date / Time _____					Received by: (signature) _____ Date / Time _____					Seals intact? Y/N/NA		Y					
Relinquished by: (signature) <u>GSO</u> Date / Time <u>7/17/09 946</u>					Received by: (signature) <u>[Signature]</u> Date / Time <u>7/17/09 946</u>					Received good condition/cold		4.7					

Sample disposal Instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____

BC

SunStar Laboratories, Inc.
 3002 Dow Ave, Suite 212
 Tustin, CA 92780
 714-505-4010

Chain of Custody Record

Client: Gribi Associates
 Address: 1090 Adams St, #K, Benicik, CA 94510
 Phone: 707-748-7743 Fax: 707-748-7763
 Project Manager: M. Resman

Date: 7/16/2009 Page: 3 of 4
 Project Name: Dublin Toyota
 Collector: M. Resman Client Project #: _____
 Batch #: T900657

COC 83674

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY and TPH-G	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Laboratory ID #	Comments/Preservative	Total # of containers		
GB-5-4.5	7/13	1425	soil	jar			X							21				
GB-5-7.5	↓	1435	↓	jar			X							22				
GB-5-9.5	↓	1440	↓	↓			X							23				
GB-5-11.5	↓	1445	↓	↓			X							24				
Relinquished by: (signature) <u>M. Resman</u> Date / Time <u>7/16/09 1200</u>														Total # of containers		57	Notes	
Relinquished by: (signature) _____ Date / Time _____														Chain of Custody seals Y/N/NA		Y	STD. TAT <u>7/17/09</u> BC	
Relinquished by: (signature) _____ Date / Time _____														Seals intact? Y/N/NA		Y		
Relinquished by: (signature) <u>GSO</u> Date / Time <u>7/17/09 946</u>														Received good condition/cold		4.7		
Received by: (signature) <u>[Signature]</u> Date / Time <u>7/16 100</u>														Turn around time: _____				
Received by: (signature) <u>[Signature]</u> Date / Time <u>7/17/09 946</u>																		

Sample disposal Instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____

SunStar Laboratories, Inc.
 3002 Dow Ave, Suite 212
 Tustin, CA 92780
 714-505-4010

Chain of Custody Record

Client: Gribi Associates
 Address: 1090 Adams Street, #K, Benicia, CA 94510
 Phone: 707-748-7743 Fax: 707-748-7763
 Project Manager: M. Rosman

Date: 7/16/2009 Page: 4 of 4
 Project Name: Dublin Toyota
 Collector: M. Rosman Client Project #: _____
 Batch #: _____

COC 83676

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY, TOX, TPA, G	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Laboratory ID #	Comments/Preservative	Total # of containers	
GB-3-GWS	7/13	0850	water	10A			X							25			
GB-3-GWD		0900					X							26			
GB-2-GWS		1100					X							27			
GB-2-GWD		1140					X							28			
GB-1-GWS		1255					X							29			
GB-4-GWS		1320					X							30			
GB-4-GWD		1400					X							31			
GB-5-GWS		1515					X							32			
GB-5-GWD		1530					X							33			
														-			
Relinquished by: (signature) <u>M. Rosman</u> Date / Time <u>7/16/09 1230</u>					Received by: (signature) <u>John Gribi</u> Date / Time <u>7/16 100</u>					Total # of containers		57	Notes				
Relinquished by: (signature) _____ Date / Time _____					Received by: (signature) _____ Date / Time _____					Chain of Custody seals Y/N/NA		Y	STD. TAT <u>7/17/09</u> BC				
Relinquished by: (signature) _____ Date / Time _____					Received by: (signature) _____ Date / Time _____					Seals intact? Y/N/NA		Y					
Relinquished by: (signature) <u>GSO</u> Date / Time <u>7/17/09 946</u>					Received by: (signature) <u>B. Charan</u> Date / Time <u>7/17/09 946</u>					Received good condition/cold		4.7					

Sample disposal Instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____

Turn around time: _____

Gribi Associates
1090 Adam Street, Suite K
Benicia CA, 94510

Project: Dublin Toyota
Project Number: [none]
Project Manager: Matt Rosman

Reported:
07/22/09 10:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GB-1-4.5	T900657-01	Soil	07/13/09 12:35	07/17/09 09:46
GB-1-7.5	T900657-02	Soil	07/13/09 12:40	07/17/09 09:46
GB-1-9.5	T900657-03	Soil	07/13/09 12:45	07/17/09 09:46
GB-1-11.5	T900657-04	Soil	07/13/09 12:50	07/17/09 09:46
GB-2-4.5	T900657-06	Soil	07/13/09 10:30	07/17/09 09:46
GB-2-7.5	T900657-07	Soil	07/13/09 10:35	07/17/09 09:46
GB-2-9.5	T900657-08	Soil	07/13/09 10:40	07/17/09 09:46
GB-2-11.5	T900657-09	Soil	07/13/09 10:45	07/17/09 09:46
GB-3-4.5	T900657-10	Soil	07/13/09 08:20	07/17/09 09:46
GB-3-7.5	T900657-11	Soil	07/13/09 08:30	07/17/09 09:46
GB-3-9.5	T900657-12	Soil	07/13/09 08:35	07/17/09 09:46
GB-3-11.5	T900657-13	Soil	07/13/09 08:40	07/17/09 09:46
GB-4-4.5	T900657-15	Soil	07/13/09 09:25	07/17/09 09:46
GB-4-7.5	T900657-16	Soil	07/13/09 09:30	07/17/09 09:46
GB-4-9.5	T900657-17	Soil	07/13/09 09:35	07/17/09 09:46
GB-4-11.5	T900657-18	Soil	07/13/09 09:45	07/17/09 09:46
GB-5-4.5	T900657-21	Soil	07/13/09 14:25	07/17/09 09:46
GB-5-7.5	T900657-22	Soil	07/13/09 14:35	07/17/09 09:46
GB-5-9.5	T900657-23	Soil	07/13/09 14:40	07/17/09 09:46
GB-5-11.5	T900657-24	Soil	07/13/09 14:45	07/17/09 09:46
GB-3-GWS	T900657-25	Water	07/13/09 08:50	07/17/09 09:46
GB-3-GWD	T900657-26	Water	07/13/09 09:00	07/17/09 09:46
GB-2-GWS	T900657-27	Water	07/13/09 11:00	07/17/09 09:46
GB-2-GWD	T900657-28	Water	07/13/09 11:40	07/17/09 09:46
GB-1-GWS	T900657-29	Water	07/13/09 12:55	07/17/09 09:46
GB-4-GWS	T900657-30	Water	07/13/09 13:20	07/17/09 09:46

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



John Shepler, Laboratory Director

Gribi Associates
1090 Adam Street, Suite K
Benicia CA, 94510

Project: Dublin Toyota
Project Number: [none]
Project Manager: Matt Rosman

Reported:
07/22/09 10:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GB-4-GWD	T900657-31	Water	07/13/09 14:00	07/17/09 09:46
GB-5-GWS	T900657-32	Water	07/13/09 15:15	07/17/09 09:46
GB-5-GWD	T900657-33	Water	07/13/09 15:15	07/17/09 09:46

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director

Gribi Associates
1090 Adam Street, Suite K
Benicia CA, 94510

Project: Dublin Toyota
Project Number: [none]
Project Manager: Matt Rosman

Reported:
07/22/09 10:00

GB-1-4.5
T900657-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	5.0	ug/kg	1	9071701	07/17/09	07/21/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	7.8	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	35	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %		85.5-116	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.5 %		75.1-121	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		135 %		90-135	"	"	"	"	

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director

Gribi Associates
1090 Adam Street, Suite K
Benicia CA, 94510

Project: Dublin Toyota
Project Number: [none]
Project Manager: Matt Rosman

Reported:
07/22/09 10:00

GB-1-7.5
T900657-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	5.0	ug/kg	1	9071701	07/17/09	07/21/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	9.7	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	170	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		103 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.8 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		152 %	90-135		"	"	"	"	S-GC

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Dublin Toyota Project Number: [none] Project Manager: Matt Rosman	Reported: 07/22/09 10:00
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GB-1-9.5
T900657-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	5.0	ug/kg	1	9071701	07/17/09	07/21/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	410	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91.8 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		156 %	90-135		"	"	"	"	S-GC

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Dublin Toyota Project Number: [none] Project Manager: Matt Rosman	Reported: 07/22/09 10:00
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GB-1-11.5
T900657-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	5.0	ug/kg	1	9071701	07/17/09	07/21/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	330	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		105 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.2 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		118 %	90-135		"	"	"	"	

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Dublin Toyota Project Number: [none] Project Manager: Matt Rosman	Reported: 07/22/09 10:00
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GB-2-4.5
T900657-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	5.0	ug/kg	1	9071701	07/17/09	07/21/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	39	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		88.4 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		123 %	90-135		"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

John Shepler, Laboratory Director

Gribi Associates
1090 Adam Street, Suite K
Benicia CA, 94510

Project: Dublin Toyota
Project Number: [none]
Project Manager: Matt Rosman

Reported:
07/22/09 10:00

GB-2-7.5
T900657-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	5.0	ug/kg	1	9071701	07/17/09	07/21/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.8 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		89.4 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		104 %	90-135		"	"	"	"	

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Dublin Toyota Project Number: [none] Project Manager: Matt Rosman	Reported: 07/22/09 10:00
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GB-2-9.5
T900657-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	5.0	ug/kg	1	9071701	07/17/09	07/21/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	340	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		109 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		87.1 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		100 %	90-135		"	"	"	"	

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John Shepler, Laboratory Director



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Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Dublin Toyota Project Number: [none] Project Manager: Matt Rosman	Reported: 07/22/09 10:00
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GB-2-11.5
T900657-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	5.0	ug/kg	1	9071701	07/17/09	07/21/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		104 %	85.5-116		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.2 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		72.0 %	90-135		"	"	"	"	S-GC

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Project: Dublin Toyota
Project Number: [none]
Project Manager: Matt Rosman

Reported:
07/22/09 10:00

GB-3-4.5
T900657-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	5.0	ug/kg	1	9071701	07/17/09	07/21/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	62	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		105 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.2 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		164 %	90-135		"	"	"	"	S-GC

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Project: Dublin Toyota
Project Number: [none]
Project Manager: Matt Rosman

Reported:
07/22/09 10:00

GB-3-7.5
T900657-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	5.0	ug/kg	1	9071701	07/17/09	07/21/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	210	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90.9 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		103 %	90-135		"	"	"	"	

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GB-3-9.5
T900657-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	5.0	ug/kg	1	9071701	07/17/09	07/21/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	76	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	40	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		103 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		87.5 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		116 %	90-135		"	"	"	"	

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Gribi Associates
1090 Adam Street, Suite K
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Project: Dublin Toyota
Project Number: [none]
Project Manager: Matt Rosman

Reported:
07/22/09 10:00

GB-3-11.5
T900657-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	5.0	ug/kg	1	9071701	07/17/09	07/21/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		106 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.2 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		118 %	90-135		"	"	"	"	

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GB-4-4.5
T900657-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	5.0	ug/kg	1	9071701	07/17/09	07/21/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	320	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	270	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		103 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		88.4 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		118 %	90-135		"	"	"	"	

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GB-4-7.5
T900657-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	5.0	ug/kg	1	9071701	07/17/09	07/21/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	3500	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		104 %		85.5-116	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		89.8 %		75.1-121	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		105 %		90-135	"	"	"	"	

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Gribi Associates
1090 Adam Street, Suite K
Benicia CA, 94510

Project: Dublin Toyota
Project Number: [none]
Project Manager: Matt Rosman

Reported:
07/22/09 10:00

GB-4-9.5
T900657-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	5.0	ug/kg	1	9071701	07/17/09	07/21/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	290	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	140	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		106 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.2 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		110 %	90-135		"	"	"	"	

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Gribi Associates
1090 Adam Street, Suite K
Benicia CA, 94510

Project: Dublin Toyota
Project Number: [none]
Project Manager: Matt Rosman

Reported:
07/22/09 10:00

GB-4-11.5
T900657-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	5.0	ug/kg	1	9071701	07/17/09	07/21/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	1700	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	300	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		107 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.2 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		83.9 %	90-135		"	"	"	"	S-GC

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Gribi Associates
1090 Adam Street, Suite K
Benicia CA, 94510

Project: Dublin Toyota
Project Number: [none]
Project Manager: Matt Rosman

Reported:
07/22/09 10:00

GB-5-4.5
T900657-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	5.0	ug/kg	1	9071701	07/17/09	07/21/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		89.1 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		132 %	90-135		"	"	"	"	

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GB-5-7.5
T900657-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	5.0	ug/kg	1	9071701	07/17/09	07/21/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	320	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		108 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.5 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		110 %	90-135		"	"	"	"	

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Gribi Associates
1090 Adam Street, Suite K
Benicia CA, 94510

Project: Dublin Toyota
Project Number: [none]
Project Manager: Matt Rosman

Reported:
07/22/09 10:00

GB-5-9.5
T900657-23 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	5.0	ug/kg	1	9071701	07/17/09	07/21/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	1400	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	56	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		72.9 %	75.1-121		"	"	"	"	S-GC
<i>Surrogate: Dibromofluoromethane</i>		106 %	90-135		"	"	"	"	

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Gribi Associates
1090 Adam Street, Suite K
Benicia CA, 94510

Project: Dublin Toyota
Project Number: [none]
Project Manager: Matt Rosman

Reported:
07/22/09 10:00

GB-5-11.5
T900657-24 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	5.0	ug/kg	1	9071608	07/16/09	07/17/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	130	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.6 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.1 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		112 %	90-135		"	"	"	"	

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John Shepler, Laboratory Director



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Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Dublin Toyota Project Number: [none] Project Manager: Matt Rosman	Reported: 07/22/09 10:00
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GB-3-GWS
T900657-25 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	0.50	ug/l	1	9071702	07/17/09	07/20/09	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	620	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	33	1.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	50	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.1 %	84.7-109		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		89.4 %	83.5-119		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		103 %	81.1-136		"	"	"	"	

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John Shepler, Laboratory Director

Gribi Associates
1090 Adam Street, Suite K
Benicia CA, 94510

Project: Dublin Toyota
Project Number: [none]
Project Manager: Matt Rosman

Reported:
07/22/09 10:00

**GB-3-GWD
T900657-26 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	0.50	ug/l	1	9071702	07/17/09	07/20/09	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	50	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.1 %	84.7-109		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91.9 %	83.5-119		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		109 %	81.1-136		"	"	"	"	

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GB-2-GWS
T900657-27 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	0.50	ug/l	1	9071702	07/17/09	07/20/09	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	250	5.0	"	5	"	"	07/21/09	"	
C6-C12 (GRO)	240	50	"	1	"	"	07/20/09	"	
<i>Surrogate: Toluene-d8</i>		98.6 %		84.7-109	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		88.9 %		83.5-119	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		109 %		81.1-136	"	"	"	"	

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Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Dublin Toyota Project Number: [none] Project Manager: Matt Rosman	Reported: 07/22/09 10:00
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GB-2-GWD
T900657-28 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	0.50	ug/l	1	9071702	07/17/09	07/20/09	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	3.4	1.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	50	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.9 %	84.7-109		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91.8 %	83.5-119		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		108 %	81.1-136		"	"	"	"	

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GB-1-GWS
T900657-29 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	1.4	0.50	ug/l	1	9071702	07/17/09	07/20/09	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	1.4	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	2000	250	"	25	"	"	07/21/09	"	
Di-isopropyl ether	ND	2.0	"	1	"	"	07/20/09	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	100	25	"	25	"	"	07/21/09	"	
C6-C12 (GRO)	110	50	"	1	"	"	07/20/09	"	
<i>Surrogate: Toluene-d8</i>		95.2 %		84.7-109	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.2 %		83.5-119	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		107 %		81.1-136	"	"	"	"	

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GB-4-GWS
T900657-30 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	0.50	ug/l	1	9071702	07/17/09	07/20/09	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	42	1.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	50	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		93.6 %	84.7-109		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		89.0 %	83.5-119		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		97.9 %	81.1-136		"	"	"	"	

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Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Dublin Toyota Project Number: [none] Project Manager: Matt Rosman	Reported: 07/22/09 10:00
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GB-4-GWD
T900657-31 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	0.50	ug/l	1	9071702	07/17/09	07/20/09	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	2.5	1.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	50	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		103 %	84.7-109		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90.1 %	83.5-119		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		106 %	81.1-136		"	"	"	"	

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Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Dublin Toyota Project Number: [none] Project Manager: Matt Rosman	Reported: 07/22/09 10:00
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GB-5-GWS
T900657-32 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	0.50	ug/l	1	9071702	07/17/09	07/20/09	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	4200	250	"	25	"	"	07/21/09	"	
Di-isopropyl ether	ND	2.0	"	1	"	"	07/20/09	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	86	1.0	"	"	"	"	"	"	
C6-C12 (GRO)	68	50	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		64.0 %		84.7-109	"	"	"	"	S-GC
<i>Surrogate: 4-Bromofluorobenzene</i>		108 %		83.5-119	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		104 %		81.1-136	"	"	"	"	

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Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Dublin Toyota Project Number: [none] Project Manager: Matt Rosman	Reported: 07/22/09 10:00
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GB-5-GWD
T900657-33 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	0.50	ug/l	1	9071702	07/17/09	07/21/09	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	11	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	2.8	1.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	50	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.2 %	84.7-109		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		87.9 %	83.5-119		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		113 %	81.1-136		"	"	"	"	

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Gribi Associates
 1090 Adam Street, Suite K
 Benicia CA, 94510

Project: Dublin Toyota
 Project Number: [none]
 Project Manager: Matt Rosman

Reported:
 07/22/09 10:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 9071608 - EPA 5035 GCMS

Blank (9071608-BLK1)

Prepared: 07/16/09 Analyzed: 07/17/09

Benzene	ND	5.0	ug/kg							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Tert-amyl methyl ether	ND	20	"							
Tert-butyl alcohol	ND	50	"							
Di-isopropyl ether	ND	20	"							
Ethyl tert-butyl ether	ND	20	"							
Methyl tert-butyl ether	ND	20	"							
C6-C12 (GRO)	ND	500	"							
<i>Surrogate: Toluene-d8</i>	40.8		"	40.0		102	85.5-116			
<i>Surrogate: 4-Bromofluorobenzene</i>	37.6		"	40.0		94.0	75.1-121			
<i>Surrogate: Dibromofluoromethane</i>	41.4		"	40.0		104	90-135			

LCS (9071608-BS1)

Prepared: 07/16/09 Analyzed: 07/17/09

Chlorobenzene	111	5.0	ug/kg	100		111	75-125			
1,1-Dichloroethene	117	5.0	"	100		117	75-125			
Trichloroethene	88.2	5.0	"	100		88.2	75-125			
Benzene	109	5.0	"	100		109	75-125			
Toluene	106	5.0	"	100		106	75-125			
<i>Surrogate: Toluene-d8</i>	41.2		"	40.0		103	85.5-116			
<i>Surrogate: 4-Bromofluorobenzene</i>	39.6		"	40.0		99.1	75.1-121			
<i>Surrogate: Dibromofluoromethane</i>	41.6		"	40.0		104	90-135			

Matrix Spike (9071608-MS1)

Source: T900655-04

Prepared: 07/16/09 Analyzed: 07/17/09

Chlorobenzene	106	5.0	ug/kg	100	ND	106	75-125			
1,1-Dichloroethene	114	5.0	"	100	ND	114	75-125			
Trichloroethene	85.8	5.0	"	100	ND	85.8	75-125			
Benzene	105	5.0	"	100	ND	105	75-125			
Toluene	95.8	5.0	"	100	ND	95.8	75-125			
<i>Surrogate: Toluene-d8</i>	40.0		"	40.0		100	85.5-116			
<i>Surrogate: 4-Bromofluorobenzene</i>	39.6		"	40.0		99.0	75.1-121			
<i>Surrogate: Dibromofluoromethane</i>	43.2		"	40.0		108	90-135			

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 1090 Adam Street, Suite K
 Benicia CA, 94510

Project: Dublin Toyota
 Project Number: [none]
 Project Manager: Matt Rosman

Reported:
 07/22/09 10:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 9071608 - EPA 5035 GCMS

Matrix Spike Dup (9071608-MSD1)

Source: T900655-04

Prepared: 07/16/09

Analyzed: 07/17/09

Chlorobenzene	105	5.0	ug/kg	100	ND	105	75-125	1.56	20	
1,1-Dichloroethene	105	5.0	"	100	ND	105	75-125	9.04	20	
Trichloroethene	85.8	5.0	"	100	ND	85.8	75-125	0.00	20	
Benzene	104	5.0	"	100	ND	104	75-125	0.716	20	
Toluene	100	5.0	"	100	ND	100	75-125	4.24	20	
Surrogate: Toluene-d8	40.0		"	40.0		100	85.5-116			
Surrogate: 4-Bromofluorobenzene	39.6		"	40.0		99.1	75.1-121			
Surrogate: Dibromofluoromethane	40.1		"	40.0		100	90-135			

Batch 9071701 - EPA 5035 GCMS

Blank (9071701-BLK1)

Prepared: 07/17/09

Analyzed: 07/21/09

Benzene	ND	5.0	ug/kg							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Tert-amyl methyl ether	ND	20	"							
Tert-butyl alcohol	ND	50	"							
Di-isopropyl ether	ND	20	"							
Ethyl tert-butyl ether	ND	20	"							
Methyl tert-butyl ether	ND	20	"							
C6-C12 (GRO)	ND	500	"							
Surrogate: Toluene-d8	41.8		"	40.0		105	85.5-116			
Surrogate: 4-Bromofluorobenzene	35.9		"	40.0		89.8	75.1-121			
Surrogate: Dibromofluoromethane	44.5		"	40.0		111	90-135			

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John Shepler, Laboratory Director

Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Dublin Toyota Project Number: [none] Project Manager: Matt Rosman	Reported: 07/22/09 10:00
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Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 9071701 - EPA 5035 GCMS

LCS (9071701-BS1)

Prepared: 07/17/09 Analyzed: 07/21/09

Chlorobenzene	107	5.0	ug/kg	100		107	75-125			
1,1-Dichloroethene	110	5.0	"	100		110	75-125			
Trichloroethene	93.1	5.0	"	100		93.1	75-125			
Benzene	110	5.0	"	100		110	75-125			
Toluene	98.4	5.0	"	100		98.4	75-125			
Surrogate: Toluene-d8	39.4		"	40.0		98.5	85.5-116			
Surrogate: 4-Bromofluorobenzene	38.8		"	40.0		96.9	75.1-121			
Surrogate: Dibromofluoromethane	43.1		"	40.0		108	90-135			

Matrix Spike (9071701-MS1)

Source: T900657-01

Prepared: 07/17/09 Analyzed: 07/21/09

Chlorobenzene	99.4	5.0	ug/kg	100	ND	99.4	75-125			
1,1-Dichloroethene	82.4	5.0	"	100	ND	82.4	75-125			
Trichloroethene	81.6	5.0	"	100	ND	81.6	75-125			
Benzene	105	5.0	"	100	ND	105	75-125			
Toluene	97.8	5.0	"	100	ND	97.8	75-125			
Surrogate: Toluene-d8	41.8		"	40.0		104	85.5-116			
Surrogate: 4-Bromofluorobenzene	40.0		"	40.0		100	75.1-121			
Surrogate: Dibromofluoromethane	55.8		"	40.0		139	90-135			S-GC

Matrix Spike Dup (9071701-MSD1)

Source: T900657-01

Prepared: 07/17/09 Analyzed: 07/21/09

Chlorobenzene	104	5.0	ug/kg	100	ND	104	75-125	4.09	20	
1,1-Dichloroethene	96.0	5.0	"	100	ND	96.0	75-125	15.3	20	
Trichloroethene	87.3	5.0	"	100	ND	87.3	75-125	6.75	20	
Benzene	107	5.0	"	100	ND	107	75-125	2.36	20	
Toluene	95.7	5.0	"	100	ND	95.7	75-125	2.12	20	
Surrogate: Toluene-d8	40.3		"	40.0		101	85.5-116			
Surrogate: 4-Bromofluorobenzene	41.2		"	40.0		103	75.1-121			
Surrogate: Dibromofluoromethane	52.8		"	40.0		132	90-135			

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John Shepler, Laboratory Director

Gribi Associates
1090 Adam Street, Suite K
Benicia CA, 94510

Project: Dublin Toyota
Project Number: [none]
Project Manager: Matt Rosman

Reported:
07/22/09 10:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 9071702 - EPA 5030 GCMS

Blank (9071702-BLK1)

Prepared: 07/17/09 Analyzed: 07/20/09

Benzene	ND	0.50	ug/l							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	1.0	"							
C6-C12 (GRO)	ND	50	"							
<i>Surrogate: Toluene-d8</i>	7.88		"	8.00		98.5	84.7-109			
<i>Surrogate: 4-Bromofluorobenzene</i>	7.20		"	8.00		90.0	83.5-119			
<i>Surrogate: Dibromofluoromethane</i>	8.17		"	8.00		102	81.1-136			

LCS (9071702-BS1)

Prepared: 07/17/09 Analyzed: 07/20/09

Chlorobenzene	21.8	1.0	ug/l	20.0		109	75-125			
1,1-Dichloroethene	21.5	1.0	"	20.0		107	75-125			
Trichloroethene	17.4	1.0	"	20.0		86.8	75-125			
Benzene	21.8	0.50	"	20.0		109	75-125			
Toluene	19.8	0.50	"	20.0		99.2	75-125			
<i>Surrogate: Toluene-d8</i>	7.87		"	8.00		98.4	84.7-109			
<i>Surrogate: 4-Bromofluorobenzene</i>	7.49		"	8.00		93.6	83.5-119			
<i>Surrogate: Dibromofluoromethane</i>	7.92		"	8.00		99.0	81.1-136			

LCS Dup (9071702-BSD1)

Prepared: 07/17/09 Analyzed: 07/20/09

Chlorobenzene	21.8	1.0	ug/l	20.0		109	75-125	0.138	20	
1,1-Dichloroethene	21.7	1.0	"	20.0		108	75-125	1.02	20	
Trichloroethene	17.6	1.0	"	20.0		87.8	75-125	1.15	20	
Benzene	21.8	0.50	"	20.0		109	75-125	0.275	20	
Toluene	20.3	0.50	"	20.0		101	75-125	2.19	20	
<i>Surrogate: Toluene-d8</i>	8.19		"	8.00		102	84.7-109			
<i>Surrogate: 4-Bromofluorobenzene</i>	7.95		"	8.00		99.4	83.5-119			
<i>Surrogate: Dibromofluoromethane</i>	7.93		"	8.00		99.1	81.1-136			

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John Shepler, Laboratory Director

Gribi Associates
1090 Adam Street, Suite K
Benicia CA, 94510

Project: Dublin Toyota
Project Number: [none]
Project Manager: Matt Rosman

Reported:
07/22/09 10:00

Notes and Definitions

S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

SunStar Laboratories, Inc.



John Shepler, Laboratory Director

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25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

07 August 2009

Jim Gribi
Gribi Associates
1090 Adam Street, Suite K
Benicia, CA 94510
RE: Dublin Toyota

Enclosed are the results of analyses for samples received by the laboratory on 08/04/09 09:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John Shepler
Laboratory Director

SunStar Laboratories, Inc.
 3002 Dow Ave, Suite 212
 Tustin, CA 92780
 714-505-4010

Chain of Custody Record

Client: Gnibi Associates
 Address: 1090 Adams St, #K, Berkeley, CA
 Phone: 707-748-7743 Fax: 707-748-7763
 Project Manager: J. Gnibi

Date: 8/03/2009 Page: 1 Of 1
 Project Name: Dublin Toyota
 Collector: M. Rasmussen Client Project #: _____
 Batch #: T900708

COC 83677

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only TPA-C	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Laboratory ID #	Comments/Preservative	Total # of containers
GB-6-4.5	7/31	0840	Soil	tube			X							01		
GB-6-7.5	↓	0845	↓	↓			X							02		
GB-6-11.5	↓	0850	↓	↓			X							03		
GB-6-15.5	↓	0855	↓	↓			X							04	HOLD	
GB-6-GWS	7/31	0930	wafer	vial			X							05		3
GB-6-GWD	↓	1030	↓	↓			X							06		4

Relinquished by: (signature) M. Rasmussen Date / Time 8/03/09 1200
 Relinquished by: (signature) _____ Date / Time _____
 Relinquished by: (signature) G-30 Date / Time 8-4-09 920

Received by: (signature) [Signature] Date / Time 8/3/09 205
 Received by: (signature) _____ Date / Time _____
 Received by: (signature) [Signature] Date / Time 8-4-09 920

Total # of containers 11
 Chain of Custody seals Y/N/NA Y
 Seals intact? Y/N/NA Y
 Received good condition/cold 7.4
 Turn around time: _____

Notes
STD. TAT
8-4-09 BC

Sample disposal Instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____



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 949.297.5027 Fax

Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Dublin Toyota Project Number: 147-01-03 Project Manager: Jim Gribi	Reported: 08/07/09 16:26
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GB-6-4.5	T900708-01	Soil	07/31/09 08:40	08/04/09 09:20
GB-6-7.5	T900708-02	Soil	07/31/09 08:45	08/04/09 09:20
GB-6-11.5	T900708-03	Soil	07/31/09 08:50	08/04/09 09:20
GB-6-GWS	T900708-05	Water	07/31/09 09:30	08/04/09 09:20
GB-6-GWD	T900708-06	Water	07/31/09 10:30	08/04/09 09:20

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John Shepler, Laboratory Director



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GB-6-4.5
T900708-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	5.0	ug/kg	1	9080415	08/04/09	08/04/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	100	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		101 %		75.1-121	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		127 %		90-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		109 %		85-115	"	"	"	"	

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John Shepler, Laboratory Director



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Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Dublin Toyota Project Number: 147-01-03 Project Manager: Jim Gribi	Reported: 08/07/09 16:26
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GB-6-7.5
T900708-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	5.0	ug/kg	1	9080415	08/04/09	08/04/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	1200	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		106 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		150 %	90-135		"	"	"	"	S-GC
<i>Surrogate: Toluene-d8</i>		107 %	85-115		"	"	"	"	

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John Shepler, Laboratory Director

Gribi Associates
1090 Adam Street, Suite K
Benicia CA, 94510

Project: Dublin Toyota
Project Number: 147-01-03
Project Manager: Jim Gribi

Reported:
08/07/09 16:26

GB-6-11.5
T900708-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	5.0	ug/kg	1	9080415	08/04/09	08/04/09	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	410	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		105 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		128 %	90-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		104 %	85-115		"	"	"	"	

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John Shepler, Laboratory Director



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Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Dublin Toyota Project Number: 147-01-03 Project Manager: Jim Gribi	Reported: 08/07/09 16:26
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GB-6-GWS
T900708-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

R-04

Benzene	2.8	2.5	ug/l	5	9080414	08/04/09	08/06/09	EPA 8260B	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	10	"	"	"	"	"	"	
Tert-butyl alcohol	6000	50	"	"	"	"	"	"	E-1
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	17	5.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	250	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %	77.1-110		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		114 %	66.3-111		"	"	"	"	S-GC
<i>Surrogate: Toluene-d8</i>		98.1 %	84.7-109		"	"	"	"	

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John Shepler, Laboratory Director



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Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Dublin Toyota Project Number: 147-01-03 Project Manager: Jim Gribi	Reported: 08/07/09 16:26
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GB-6-GWD
T900708-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	0.50	ug/l	1	9080414	08/04/09	08/04/09	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	3.9	1.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	50	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		107 %	77.1-110		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		121 %	66.3-111		"	"	"	"	S-GC
<i>Surrogate: Toluene-d8</i>		116 %	84.7-109		"	"	"	"	S-GC

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



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Gribi Associates
 1090 Adam Street, Suite K
 Benicia CA, 94510

Project: Dublin Toyota
 Project Number: 147-01-03
 Project Manager: Jim Gribi

Reported:
 08/07/09 16:26

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 9080414 - EPA 5030 GCMS

Blank (9080414-BLK1)

Prepared & Analyzed: 08/04/09

Benzene	ND	0.50	ug/l							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	1.0	"							
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"							
Surrogate: 4-Bromofluorobenzene	8.10		"	8.00		101	77.1-110			
Surrogate: Dibromofluoromethane	8.46		"	8.00		106	66.3-111			
Surrogate: Toluene-d8	8.80		"	8.00		110	84.7-109			S-GC

LCS (9080414-BS1)

Prepared & Analyzed: 08/04/09

Chlorobenzene	20.3	1.0	ug/l	20.0		101	75-125			
1,1-Dichloroethene	20.0	1.0	"	20.0		99.8	75-125			
Trichloroethene	20.4	1.0	"	20.0		102	75-125			
Benzene	21.6	0.50	"	20.0		108	75-125			
Toluene	19.8	0.50	"	20.0		98.8	75-125			
Surrogate: 4-Bromofluorobenzene	8.42		"	8.00		105	77.1-110			
Surrogate: Dibromofluoromethane	8.44		"	8.00		106	66.3-111			
Surrogate: Toluene-d8	7.83		"	8.00		97.9	84.7-109			

LCS Dup (9080414-BSD1)

Prepared & Analyzed: 08/04/09

Chlorobenzene	18.2	1.0	ug/l	20.0		91.2	75-125	10.5	20	
1,1-Dichloroethene	20.6	1.0	"	20.0		103	75-125	3.06	20	
Trichloroethene	20.9	1.0	"	20.0		104	75-125	2.03	20	
Benzene	20.3	0.50	"	20.0		102	75-125	6.06	20	
Toluene	20.2	0.50	"	20.0		101	75-125	2.01	20	
Surrogate: 4-Bromofluorobenzene	8.18		"	8.00		102	77.1-110			
Surrogate: Dibromofluoromethane	8.35		"	8.00		104	66.3-111			
Surrogate: Toluene-d8	8.12		"	8.00		102	84.7-109			

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director



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Gribi Associates
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 Benicia CA, 94510

Project: Dublin Toyota
 Project Number: 147-01-03
 Project Manager: Jim Gribi

Reported:
 08/07/09 16:26

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 9080415 - EPA 5035 GCMS

Blank (9080415-BLK1)

Prepared & Analyzed: 08/04/09

Benzene	ND	5.0	ug/kg							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Tert-amyl methyl ether	ND	20	"							
Tert-butyl alcohol	ND	50	"							
Di-isopropyl ether	ND	20	"							
Ethyl tert-butyl ether	ND	20	"							
Methyl tert-butyl ether	ND	20	"							
C6-C12 (GRO)	ND	500	"							
Surrogate: 4-Bromofluorobenzene	41.6		"	40.0		104	75.1-121			
Surrogate: Dibromofluoromethane	46.0		"	40.0		115	90-135			
Surrogate: Toluene-d8	44.6		"	40.0		112	85-115			

LCS (9080415-BS1)

Prepared & Analyzed: 08/04/09

Benzene	99.0	5.0	ug/kg	100		99.0	75-125			
Toluene	98.9	5.0	"	100		98.9	75-125			
Surrogate: 4-Bromofluorobenzene	39.4		"	40.0		98.6	75.1-121			
Surrogate: Dibromofluoromethane	43.0		"	40.0		108	90-135			
Surrogate: Toluene-d8	40.4		"	40.0		101	85-115			

LCS Dup (9080415-BSD1)

Prepared & Analyzed: 08/04/09

Benzene	109	5.0	ug/kg	100		109	75-125	9.43	20	
Toluene	106	5.0	"	100		106	75-125	7.26	20	
Surrogate: 4-Bromofluorobenzene	43.4		"	40.0		108	75.1-121			
Surrogate: Dibromofluoromethane	47.8		"	40.0		120	90-135			
Surrogate: Toluene-d8	40.7		"	40.0		102	85-115			

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

John Shepler, Laboratory Director

Gribi Associates
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Benicia CA, 94510

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Notes and Definitions

S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).

R-04 The Reporting Limits for this analysis are elevated due to sample foaming.

E-1 The final dilution was lower than the original data or previous dilutions. The highest recovered concentration was reported even though it was above calibration range.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

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John Shepler, Laboratory Director