

October 18, 2004

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

Attention:

Robert Schultz

Subject:

Report of Groundwater Monitoring and SWI Workplan Addendum

Dublin Toyota UST Site, 6450 Dublin Court, Dublin, California

Alameda County LOP Site ID No. 699

Ladies and Gentlemen:

Attached please find a copy of the Report of Groundwater Monitoring and SWI Workplan Addendum, Dublin Toyota UST Site, 6450 Dublin Court, Dublin, California, prepared by Gribi Associates. I declare under penalty of perjury that to the best of my knowledge and belief that the statements and information provided in this report are correct and true.

Very truly yours,

Scott F. Anderson

Chief Financial Officer

Dublin Toyota

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Alameda County LOP Site ID No. 699

GA Project No. 147-01-03

Ladies and Gentlemen:

Gribi Associates is pleased to submit this report and workplan addendum on behalf of Dublin Toyota for the underground storage tank (UST) site located at 6450 Dublin Court in Dublin, California (see Figure 1 and Figure 2). This report summarizes groundwater monitoring activities conducted at the site on July 13, 2003, February 11, 2004, and June 16, 2004. Pursuant to the August 11, 2003 letter from your office, this report also amends the previously-submitted soil and water investigation (SWI) workplan to include a conduit/well survey and a site conceptual model (SCM).

SITE BACKGROUND

The Dublin Toyota UST site consisted of three USTs located in a common tank farm which was located outside near the northeast corner of the maintenance garage (see Figure 2). The USTs included 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 overexcavated, and approximately 500 gallons of groundwater was pumped from the excavation cavity. Approximately 93 tons of hydrocarbon-impacted soil was disposed of offsite, and the UST excavation cavity was backfilled with 162 tons of clean imported fill material.

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-t-butyl Ether (MTBE).

In August 2000, Gribi Associates drilled and sampled one soil boring, IB-5, inside the Dublin Toyota service building west from the former USTs, and drilled, installed, and sampled one groundwater monitoring well, MW-3, 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.

After discussing this site with Ms. Eva Chu of your office, Gribi Associates submitted a workplan to conduct Aggressive Fluid Vapor Recovery (AFVR) to attempt to decrease MTBE concentrations in groundwater adjacent to well MW-1. On January 21, 2003, the Alameda County Health Care Services Agency issued a letter that did not respond to the AFVR workplan, but rather, requested additional site characterization activities. On May 7, 2003, Gribi Associates submitted a workplan to: (1) Conduct a conduit/utility survey; and (2) Drill and sample four deep soil borings using cone penetrometer (CPT) tools. On August 11, 2003, Alameda County Health Care Services Agency issued a letter requesting a workplan addendum to include: (1) A completed conduit/well survey; (2) a site conceptual model (SCM).

DESCRIPTION OF SAMPLING ACTIVITIES

On July 13, 2003, February 11, 2004, and June 16, 2004, Gribi Associates personnel conducted groundwater monitoring activities for three site wells (MW-1, MW-2 and MW-3). Groundwater monitoring was conducted in accordance with California LUFT Field Manual guidelines as follows:

- All wells were opened, and water levels were measured to the nearest 0.01 foot using an electronic probe.
- For each well, a single bail of groundwater was taken using a clean PVC bailer to check for the presence or absence of floating free product.
- Prior to sampling, each well was purged of approximately three well volumes using either a 12-volt peristaltic pump (small diameter wells) or a 12-volt purge pump (two-inch and four-inch diameter wells). During purging, temperature, pH, conductivity, and visible clarity were monitored. Groundwater sampling data sheets for each well are contained in Appendix A.
- After purging parameters had stabilized, groundwater was poured directly into laboratorysupplied containers. Each container was then tightly sealed, making sure that no air bubbles were present. Each container was then labeled and placed in cold storage for transport to the

analytical laboratory under formal chain-of-custody.

RESULTS OF GROUNDWATER MONITORING

Hydrologic Conditions

Groundwater depths averaged about 5.0 feet below top of casing during the February 2004 monitoring and 5.5 feet below top of casing during the July 2003 and June 2004 monitoring events. Groundwater flow directions for the three events, which are shown on Figure 3, Figure 4, and Figure 5, trend in a southerly direction and appear to be generally related to surface topography. No significant hydrocarbon odors were noted in purged groundwater during the purging and sampling of the groundwater monitoring wells. Additionally, no sheen or free-phase product was noted in any of the groundwater monitoring wells sampled during the sampling events.

Laboratory Analytical Results

Groundwater samples from the three wells were analyzed for the following parameters with standard method turn around time on results.

USEPA 8015M Total Petroleum Hydrocarbons as Gasoline (TPH-G) USEPA 8021B Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) USEPA 8260B Methyl-t-butyl Ether (MTBE) USEPA 8260B Oxygenates (TBA, MTBE, DIPE, ETBE, and TAME)

Groundwater analytical results are summarized in Table 1. Groundwater MTBE results for the three sampling events are summarized on Figure 3, Figure 4, and Figure 5. The laboratory data reports are contained in Appendix B.

Table 1 SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Dublin Toyota UST Site

| | | ĞW | | | | | | Concent | ration (mg/l) | | | | | |
|--------------|----------------|-----------|---------|---------|---------|------------|-----------|----------|---------------|---------|------------|---------|---------|--------------------------|
| Sample ID | Sample Date | Elevation | TPH-D | TPH-MO | TPH-G | . <i>B</i> | Τ | E | X | TAME | ТВА | DIPE | ETBE | MTBE |
| MW-1 | 12/15/98 | 323.15 | < 0.050 | 0.110 | 46 | <0.10 | < 0.10 | <0.10 | <0.10 | _ | | - | | 62 |
| <328.89> | 04/06/99 | 323.80 | <0.050 | <0.100 | 45 | <0.050 | <0.050 | <0.050 | < 0.050 | _ | | _ | - | 86¹ |
| | 07/14/99 | 322.71 | <0.050 | <0.100 | 2.8 | <0.10 | < 0.10 | <0.10 | < 0.10 | _ | | _ | - | 65¹ |
| | 10/14/99 | 322.03 | <0.050 | <0.100 | 11 | <0.017 | < 0.017 | <0.017 | <0.017 | - | | _ | | 98¹ |
| | 08/18/00 | 321.91 | <0.050 | < 0.100 | 36 | < 0.050 | <0.050 | < 0.050 | <0.050 | | _ | | | 66¹ |
| | 05/29/02 | 322.47 | | | 29.1 | <0.015 | <0.015 | < 0.015 | <0.030 | 0.841 | <0.500 | <0.100 | N0.050 | 27.8 ¹ |
| | 11/20/02 | 322.24 | | - | 0.110 | <0.0005 | <0.0005 | < 0.0005 | <0.0010 | < 0.020 | <0.050 | <0.020 | <0.020 | 20.0 |
| | 04/06/03 | 322.94 | | | 1.3 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.010 | 0.360 | <0.0020 | 0.0022 | 15.0 |
| 1 | 07/13/03 | 322.34 | | | 0.074 | <0.0005 | <0.0005 | < 0.0005 | <0.0010 | 0.010 | 0.042 | <0.0050 | <0.0050 | 15.0 |
| | 02/11/04 | 323.15 | | - | <0.050 | <0.0005 | <0.0005 | < 0.0005 | <0.0010 | 0.010 | 0.420 | <0.0020 | 0.0025 | 34.0 |
| | 06/16/04 | 322.52 | | | 0.180 | <0.0005 | <0.0005 | <0.0005 | <0.0010 | 0.0068 | 0.290 | <0.0020 | <0.0020 | 7.6 |
| MW-2 | 12/15/98 | 323.34 | <0.050 | 0.570 | < 0.050 | <0.00050 | 0.00090 | <0.00050 | 0.00150 | - | - . | _ | | <0.0050 |
| <327.64> | 04/06/99 | 324.22 | < 0.050 | < 0.100 | < 0.050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | | - | - | <0.0050 |
| | 7/14/99 | 322.88 | < 0.050 | <0.100 | < 0.050 | <0.00050 | < 0.00050 | <0.00050 | <0.00050 | - | - | _ | | <0.0050 |
| | 10/14/99 | 322.16 | < 0.050 | < 0.100 | < 0.050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | | _ | | <0.0050 |
| | 08/18/00 | 321.92 | < 0.050 | <0.100 | <0.050 | <0.00050 | <0.00050 | <0.00050 | 0.0011 | - | _ | | - | 0.016 |

Table 1 SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Dublin Toyota UST Site

9800350-11-1493-11-11

| G. ive it. | Sample | GW | inde i Lijin Lijojevi i | | ogska Pales | | | Concer | tration (mg/l) | alikurur Beritalikan | | | | n (1415) <u>Maga Vilada</u> |
|--------------|----------|-----------|----------------------------|---------|-------------|----------|----------|----------|----------------|-------------------------|---------|----------|----------|--------------------------------|
| Sample ID | Date | Elevation | TPH-D | ТРИ-МО | TPH-G | В | T | E | X | TAME | TBA | DIPE | ETBE | MTBE |
| | 05/29/02 | 322.46 | | | <0.050 | <0.0003 | <0.0003 | < 0.0003 | 0.0039 | <0.0020 | <0.010 | <0.0020 | <0.0020 | 0.0026 |
| | 11/20/02 | 322.12 | | | 0.057 | <0.0005 | <0.0005 | <0.0005 | < 0.0010 | <0.020 | <0.050 | < 0.020 | < 0.020 | 0.0091 |
| | 04/06/03 | 323.05 | | | <0.050 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0020 | < 0.010 | <0.0020 | <0.0020 | 0.0057 |
| | 07/13/03 | 322.40 | | | <0.050 | < 0.0005 | <0.0005 | < 0.0005 | <0.0010 | <0.0050 | <0.010 | <0.0050 | < 0.0050 | 0.0065 |
| | 02/11/04 | 323.19 | | | <0.050 | < 0.0005 | <0.0005 | <0.0005 | < 0.0010 | < 0.0020 | <0.010 | < 0.0020 | < 0.0020 | 0.0085 |
| 1 | 06/16/04 | 322.71 | | | < 0.050 | <0.0005 | <0.0005 | <0.0005 | <0.0010 | <0.0020 | <0.010 | <0.0020 | <0.0020 | 0.120 |
| MW-3 | 08/18/00 | 321.77 | <0.050 | <0.100 | 0.210 | <0.00050 | 0.00058 | <0.00050 | 0.00059 | | - | - | | 0.5701 |
| <327.44> | 05/29/02 | 322.34 | | | <0.050 | < 0.0003 | <0.0003 | <0.0003 | 0.219 | <0.0020 | <0.010 | < 0.0020 | <0.0020 | 0.281 |
| l. | 11/20/02 | 321.88 | | | 0.200 | < 0.0005 | <0.0005 | < 0.0005 | < 0.0010 | <0.020 | < 0.050 | < 0.020 | <0.020 | 0.460 |
| | 04/06/03 | 322.80 | | | 0.270 | < 0.0010 | <0.0010 | <0.0010 | < 0.0010 | <0.0020 | <0.010 | <0.0020 | < 0.0020 | 0.340 |
| | 07/13/03 | 321.96 | | | < 0.050 | <0.0005 | < 0.0005 | <0.0005 | <0.0010 | < 0.0050 | < 0.010 | <0.0050 | <0.0050 | 0.460 |
| | 02/11/04 | 322.97 | | | <0.050 | < 0.0005 | <0.0005 | < 0.0005 | <0.0010 | 0.0022 | 1.0 | <0.0020 | <0.0020 | 4.0 |
| | 06/16/04 | 322.21 | | <u></u> | <0.050 | < 0.0005 | <0.0005 | <0.0005 | <0.0010 | <0.0020 | <0.010 | <0.0020 | < 0.0020 | 0.240 |

GW Elevation = Groundwater mean sea level elevation. TPH-D = Total Petroleum Hydrocarbons as Diesel TPH-MO = Total Petroleum Hydrocarbons as Motor Oil TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes
TAME = Tert-amyl Methyl Ether
TBA = tert-Butanol
DIPE = Diisopropyle ether
ETBE = Ethyl-tert-butyl ether
MTBE = Methyl-t-Butyl Ether
= Not analyzed for particular parameter

<0.050 = Not detected above the expressed value. <328.89> = Surveyed top of casing mean sea level elevation. 1 = MTBE result was confirmed using USEPA Method 8260B.

CONCLUSIONS

Laboratory analytical results from the three groundwater sampling events are similar to previous sampling events, continuing to show elevated, but decreasing, concentrations of MTBE in groundwater from monitoring well MW-1, and low concentrations of MTBE in groundwater samples from hydraulically downgradient groundwater monitoring well MW-3.

AMENDMENT TO SWI WORKPLAN

In response to the August 11, 2003 letter from your office, the following sections provide results of a conduit/well survey and summarize the SCM for the site.

Conduit Survey

In order to assess potential migratory conduits in the study area, Gribi Associates reviewed site drawings at City of Dublin offices, and conducted visual and electromagnetic surveys of the study area. Results of these activities, which are summarized on Figure 6, clearly show no significant utilities in the immediate study areas.

- Electrical Utilities: Electricity runs below-ground to the site from Dublin Court. The only underground utilities in the study area are electrical connections to light standards in the parking area on the south side of the study area. These are very local, and would be expected to be shallow.
- Water Utilities: Below-ground water pipe runs south to the site building from Dublin Court, and there are no indications of below-ground water utilities in the study area.
- Sewer Utilities: Below-ground sewer pipe runs south to the site building from Dublin Court, and there are no indications of below-ground sewer utilities in the study area.
- Stormwater utilities: There are no visible stormwater stormwater catch basins in the study area, and we identified no buried structures in the study area. Rather, it appears that stormwater from building rain gutters and from the paved yard areas are transmitted southward to Dublin Court via over-ground sheet flow. A drainage channel (perhaps a channelized creek) runs along the west property line, approximately 500 feet west from the former UST area. This channel is located in a crossgradient groundwater flow direction and is too distant to be expected to be affected by identified site MTBE impacts.
- Other utilities: Results of visual inspections, electromagnetic surveys, and records review revealed no evidence of significant buried utilities in the study area.

Based on these results, we would not expect there to be any utility impacts relative to MTBE migration in the study area.

Well Survey

In order to identify possible downgradient groundwater receptors and assess regional soil lithologies, Gribi Associates reviewed well and boring logs at Alameda County Zone 7 W ater Agency in Pleasanton. A copy of a well location map obtained from Zone 7 is included in Appendix C. Review of Zone 7 records indicates the following:

- There are no water supply wells within at least a 1,500 feet radius from the project site. In fact, the closest Zone 7 municipal water production well is located more than two miles southeast from the site near the intersection of Hopyard Road and Parkside Drive. This well is 600 to 900 feet deep (Wyman Hong, Zone 7, personal commun).
- Logs for deeper borings and wells in the immediate vicinity show no evidence of significant shallow aquifer materials. CPT borings by Fluor Daniels GTI at 2341 Scarlett Court showed silt and clay down to 35 feet in depth. In addition, a boring at Lew Doty Cadillac at 5981 Scarlett Court showed clay down to 64 feet in depth, followed by sand to 72 feet, and then clay to 103 feet in depth. Also, a boring at 6085 Scarlett Court showed clay down to 113 feet in depth, with two feet of sand from 62 to 64 feet, and four feet of sand from 70 to 74 feet in depth.

Site Conceptual Model

The following Site Conceptual Model (SCM) has been developed to assist in risk-based decision making. In developing the SCM, we have evaluated actual and potential contaminant sources, migratory pathways, and environmental receptors. To facilitate SCM development and review, we have included as Figure 7 a summary of subsurface soil hydrocarbons and stratigraphy. The SCM includes the following key elements:

- Source: The contaminant of concern for this site is MTBE. The primary source for this MTBE was the unauthorized release of gasoline from the two former gasoline USTs adjacent to the northeast corner of site maintenance building. Following UST removal, a significant volume of hydrocarbon-impacted soil and groundwater was removed from the UST cavity. Based on these and subsequent investigative results, it appears that the only significant secondary source remaining at the site is groundwater with elevated MTBE impacts immediately south from the former UST excavation cavity. Further, the steady decrease in MTBE concentrations in immediately downgradient well MW-1 may indicate that the effects from residual secondary sources are decreasing slowly over time.
- Migration: Shallow soils beneath the site are dominated by low permeability clays and silts, with minor very thin (one to two inches thick) discontinuous s and layers. T hese low

permeability soils appear to have resulted in a wide, concentrated MTBE groundwater plume, rather than a thin, gradational plume. There is a slight disparity between groundwater potentiometric gradient, which is generally to the south, and apparent MTBE groundwater migration, Which seems to be in a southwesterly direction. This apparent disparity may be due to lithologic differences (higher permeability silty soils trending southwest) or sparsity of data (more data points may disprove this disparity).

Possible vertical migration of MTBE has not been assessed. However, based on review of area well and boring logs (as summarized in the Well Survey), which indicated no significant aquifer materials to at least 60 feet in depth, we would not expect there to be significant vertical migration of MTBE.

■ Environmental Receptors: There are no human or environmental receptors in close proximity to the project site. Results of the well survey clearly show no water supply wells in close proximity to the project site. In fact, the nearest municipal water supply well is more than two miles southeast from the project site and is at least 600 feet deep. The closest surface water body is a south-flowing drainage channel along the west side of the site, approximately 500 feet west southwest from the UST area. Based on distance and direction, we would not expect MTBE impacts to ever affect this drainage channel.

Proposed Additional Investigative Scope and Schedule

In order to provide additional site data, we recommend the following general investigative strategy. Additional data generated during these investigations will be used to evaluate data gaps and to develop a site corrective action plan (CAP).

- Conduct CPT Investigation. The previously-proposed CPT investigation will provide additional vertical and lateral definition necessary in the placement of additional groundwater monitoring wells. The CPT investigation will include the advancement of four deeper borings (one in the source area and three southwest, south, and southeast from the UST area), and the collection of approximately two grab groundwater samples from each boring.
- Install Additional Monitoring Wells. Subject to of the CPT investigation results, we expect the installation of two to three additional groundwater monitoring wells. A workplan for the installation of additional wells will be included in the CPT investigation report.
- Prepare Corrective Action Plan. Subject to previous results and assuming that sufficient investigative data has been generated, a CAP will be prepared proposing mitigation measures (if warranted) for the site.

The CPT investigation can be completed in six to eight weeks, and the installation of additional groundwater monitoring wells can be completed within six to eight weeks following completion of

the CPT investigation. The schedule relative to CAP preparation will depend on the nature and complexity of proposed corrective actions (whether or not active remediation is warranted).

Gribi Associates conducted quarterly groundwater monitoring for the three site wells on Saturday, October 16, 2004, and will report these results within the next month or so.

We appreciate this opportunity to provide this report for your review. Please contact us if there are questions or if additional information is required.

Very truly yours,

James E. Gribi Registered Geologist

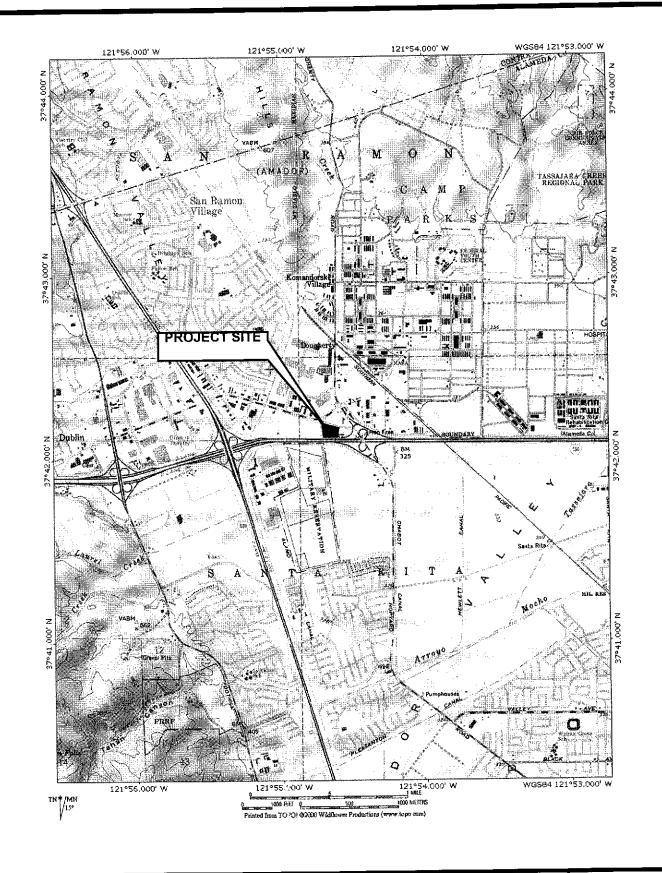
California No. 5843

No. 5843

Enclosure

cc: Mr. Scott Anderson, Dublin Toyota

FIGURES



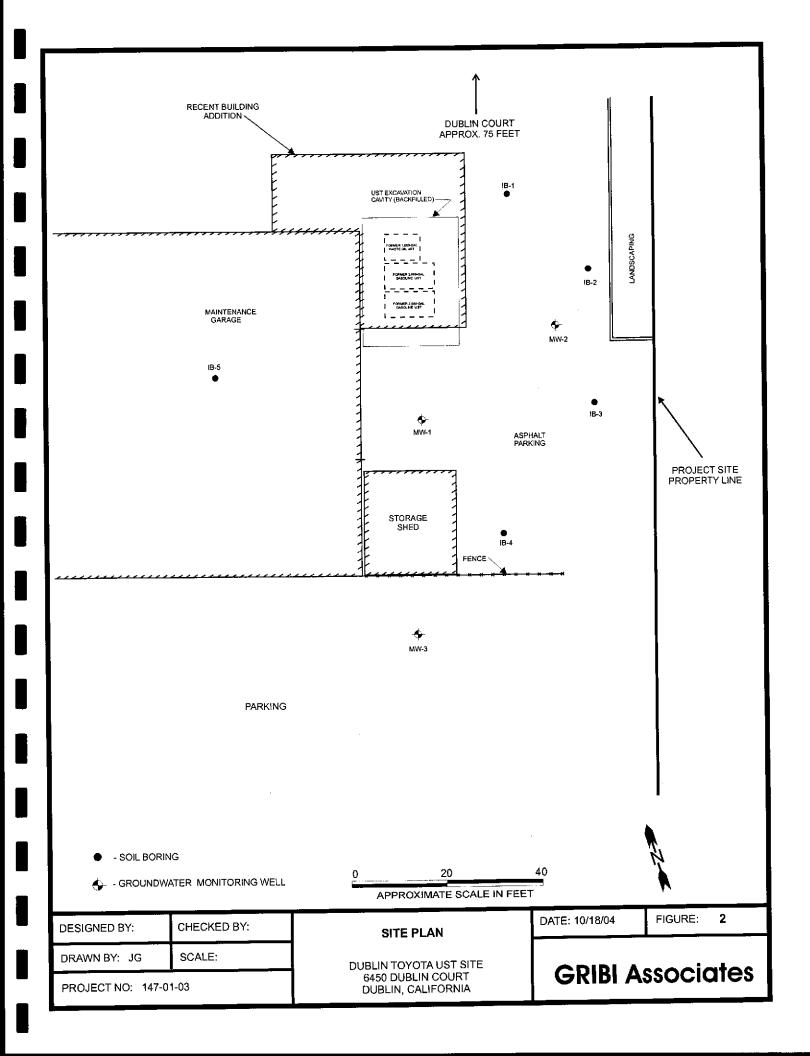
| DESIGNED BY: | CHECKED BY: |
|--------------------|-------------|
| DRAWN BY: EGH | SCALE: |
| PROJECT NO: 147-01 | -01 |

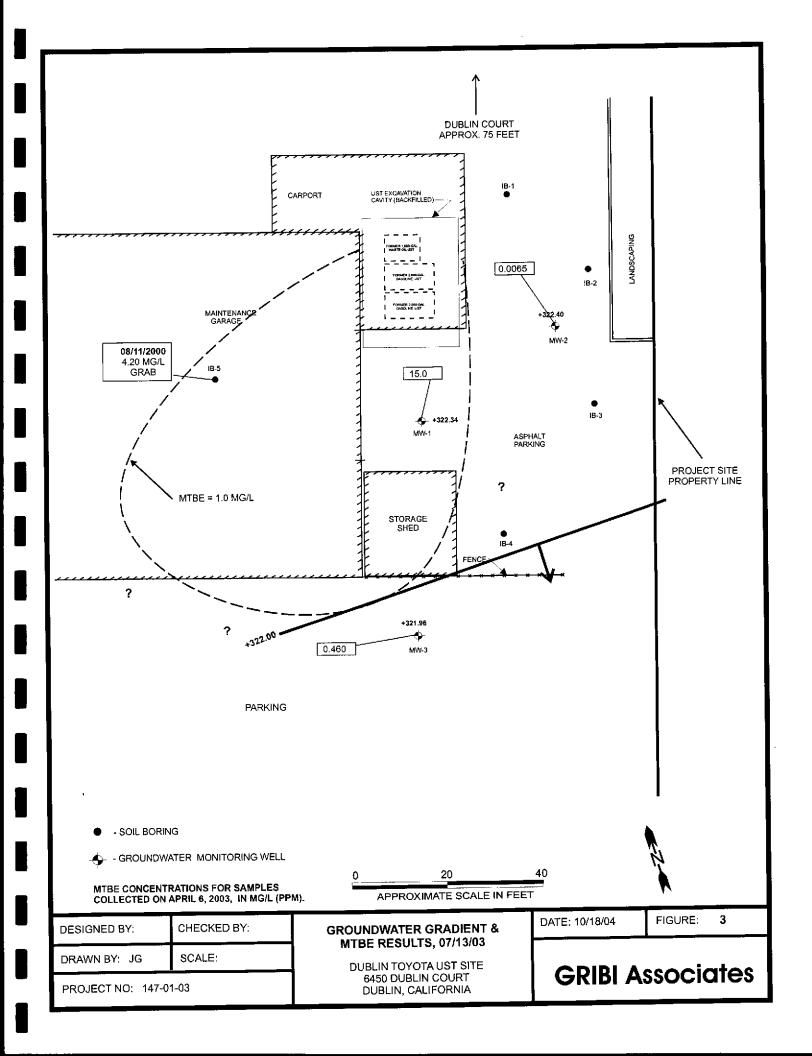
SITE VICINITY MAP

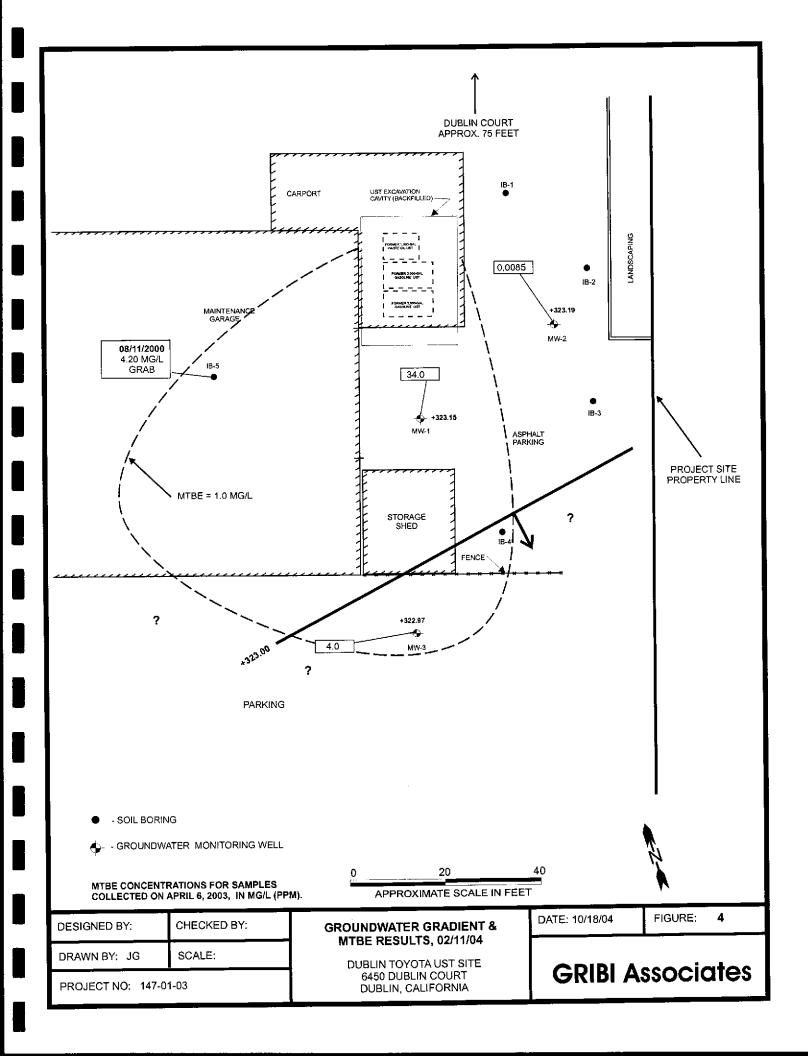
DUBLIN TOYOTA 6450 DUBLIN COURT DUBLIN, CALIFORNIA DATE: 10/18/04

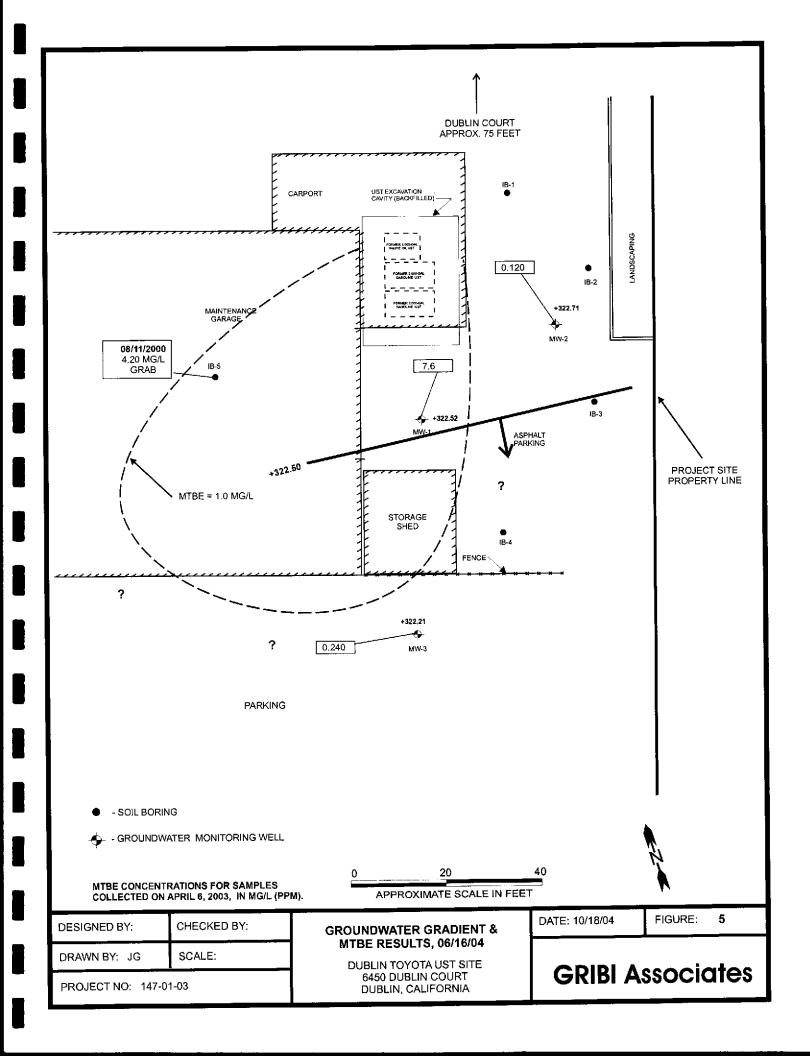
FIGURE: 1

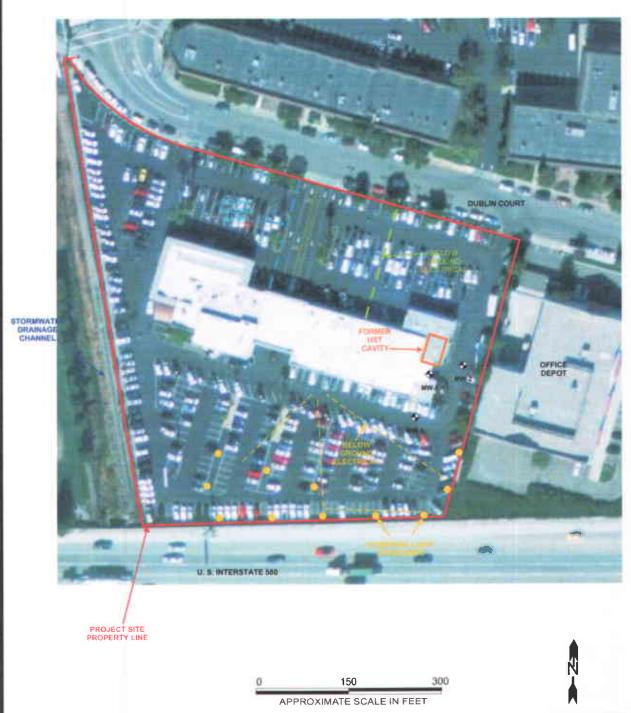
GRIBI Associates











DESIGNED BY: CHECKED BY:
DRAWN BY: JG SCALE:

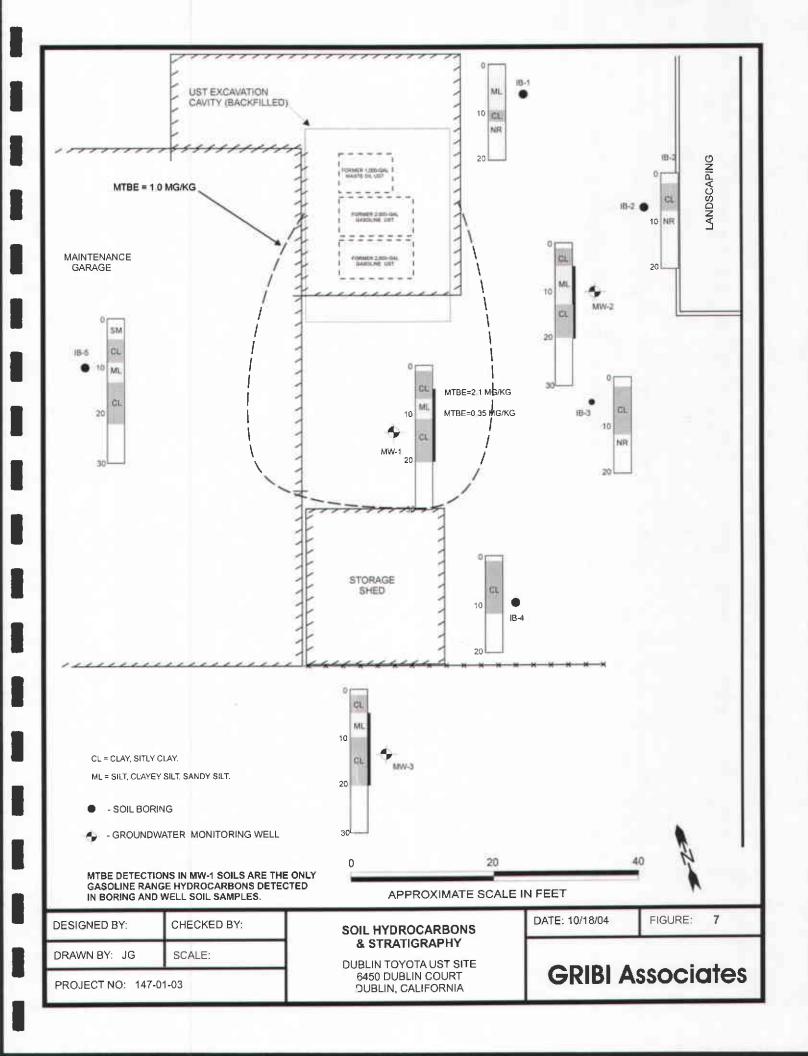
PROJECT NO: 147-01-03

CONDUIT SURVEY

DUBLIN TOYOTAUST SITE 6450 DUBLIN COURT DUBLIN, CALIFORNIA DATE: 10/18/04

FIGURE:

GRIBI Associates



APPENDIX A

GROUNDWATER MONITORING FIELD DATA RECORDS

| GROUNDWATER SAMPLING RECORD | GRIBI Associate | | | | | |
|--|---|--|--|--|--|--|
| Well No. MW-1 | Well Loc. | | | | | |
| Project Name Dublin Toyota | Project No. | | | | | |
| Date 7/13/03 Time | TOC Elevation 328.89 GW Elevation 327.34 | | | | | |
| Depth to Water 6.55 ff | Well Depth 20.04 A Well Diameter 2 | | | | | |
| Purge Water, 2": Wtr Column X 0.163 X 3 = 6.60 qcl | Purge Water, 4": Wtr Column X 0.653 X 3 = | | | | | |
| Purge/Sample Method Pump | Lab Analyses | | | | | |
| Weather Conditions Sunny | Laboratory | | | | | |

| Time | Volume Purged | Temp. | Cond. MS | рН | Visual |
|----------|------------------|-------|-------------|------|--------------------------------|
| 11:53 am | 1 gal | 22.5 | 386 | 6.43 | Turbid / Light grayish - brown |
| 11:56 | 3 | 23.0 | 382 | 6.42 | |
| 11:58 | 5 | 22.4 | 385 | 6.43 | |
| 12:00 pm | 7 | 22-1 | 395 | 6.47 | |
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| | | | | | |

Remarks

Sampled @ 12:02 p.m

| GROUNDWATER SAMPLING RECORD | GRIBI Associate | | | | |
|---|---|--|--|--|--|
| Well No. MW-2 | Well Loc. | | | | |
| Project Name Dublin Toyota | Project No. | | | | |
| Date 7/13/03 Time | TOC Elevation 327.64 GW Elevation 322.40 | | | | |
| Depth to Water 5-24 ft | Well Depth /9.88 H Well Diameter 2" | | | | |
| Purge Water, 2": Wtr Column \times 0.163 \times 3 = 7.16 gd | Purge Water, 4": Wtr Column X 0.653 X 3 = | | | | |
| Purge/Sample Method Pump | Lab Analyses | | | | |
| Weather Conditions Sunny | Laboratory | | | | |

| Time | Volume Purged | Temp. | Cond. | рH | Visual |
|----------|------------------|-------|-------|------|--------------------------|
| 11:25 am | 1 gal | 23.8 | 148 | 6.90 | Turbid / Grayish - brown |
| 11:28 | 3 | 22.1 | 161 | 6.83 | |
| 11:30 | 5 | 21.8 | 209 | 6.70 | |
| 11:33 | 7 | 21.4 | 241 | 6.68 | |
| 11:35 | 8 | 20.5 | 237 | 6.70 | |
| | | | | | |
| | | | | | |
| | | | | | - |
| | | | - | | |
| | | | | | |
| | | | | | |
| | | | | | |

Remarks

Sampled @ 11:43 a.m

| GROUNDWATER SAMPLING RECORD | GRIBI Associa | | | |
|--|---|--|--|--|
| Well No. MW-3 | Weil Loc. | | | |
| Project Name Dublin To Yota | Project No. | | | |
| Date 7/13/03 Time | TOC Elevation 327.14 GW Elevation 321.96 | | | |
| Depth to Water 5-18 F4 | Well Depth 19.88 ff Well Diameter Z" | | | |
| Purge Water, 2": Wtr Column X 0.163 X 3 = 7.19 gal | Purge Water, 4": Wtr Column X 0.653 X 3 = | | | |
| Purge/Sample Method Pump | Lab Analyses | | | |
| Weather Conditions Sunny | Laboratory | | | |

| Time | Volume Purged | Temp. | Cond. | pН | Visual |
|----------|------------------|-------|-------|------|--------------------------------|
| 12:19 pm | 1 gal | 25-2 | 485 | 6-32 | Turbid / Light grayish - brown |
| 12:22 | 3 | 25.1 | 520 | 6-36 | 7.57 |
| 12:24 | 5 | 24.8 | 559 | 6-37 | |
| 12:27 | 8 | 23-5 | 596 | 6.39 | |
| | | | | | |
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| | | | | | |
| Remarks | -4 | | | | |

Sampled @ 12:30 p.m

| GROUN | DWATER: | SAMPLIN | G RECOF | SD C | | | | GRI | BI Associates |] . | | |
|--|---------------------------|----------|-------------------|--------------|-------|---|-----------------------------------|--------------|---|-------|--|--|
| Well No. | Mu | ~ | | | Well | Loc. | | | | 1 | | |
| Project N | ame 🕦 | blin | Tovota | | Proje | Project No. | | | | | | |
| Date 2 | 11/05 | | 1 2 4 | | тос | Elevation | 32889 | GW Elevation | n 323,15 | : | | |
| | Depth to Water 5.74 | | | | | | Well Depth 20.05 Well Diameter 2" | | | | | |
| Purge Water, 2": Wtr Column X 0.163 X 3 = 6.99 cal | | | | | | Purge Water, 4": Wtr Column X 0.653 X 3 = | | | | | | |
| | Purge/Sample Method Cum C | | | | | \nalyses | T8H-G/ | BTEX / | Oxygenates | | | |
| Weather | Conditions | Clear | <u>, mol, s</u> i | unny | Labor | ratory S | Sunstar | Lahs ' | | | | |
| | | | | , | | · | | · | | - | | |
| Time | Volume Purged | Temp. | Cond. | pH | | | 4 | | Visual | | | |
| 10:30 | 0 | | | | | | | | -induly 1 | urhid | | |
| 1032 | 1203 | 18.7 | 0 | 7.19 | | | | | -clear - 51 |] | | |
| 1034 | 24.0 | 189 | 0 | 7.18 | | | | | -no hydroc | | | |
| 1036 | 3 | 19.0 | 6 | 7.15 | | | | | orsheen | | | |
| 1038 | 4 | 19.0 | 0 | 7.14 | | | | | | | | |
| 1040 | 5 | 19.1 | 84,5 | 7.17 | | | | | | | | |
| 1042 | 6 | 19.2 | 8045 | 7.15 | | | | | | , | | |
| 1044 | 7 | 19.1 | 8045 | 7.15 | | | | | * | | | |
| | | <u>.</u> | | | | | | | - *- · · · · · · · · · · · · · · · · · · · | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Remarks | | 1 | | | | | - | | | | | |
| Suv | ypled ' | o 10' | +4 | | i | | | | | | | |

| GROUNDWATER SAMPLING RECORD | GRIBI Associates |
|---|---|
| Well No. $MW-2$ | Well Loc. |
| Project Name Dublin Toyota | Project No. |
| Date 2/11/04 Time 1105 | TOC Elevation 327,64GW Elevation 323, 19 |
| Depth to Water '4.45' | Well Depth 19 97) Well Diameter 7 " |
| Purge Water, 2": Wtr Column X 0.163 X 3 = 7 555 | Purge Water, 4": Wtr Column X 0.653 X 3 = |
| Purge/Sample Method fum / | Lah Anahoras TPIL (/MTC V /) |
| Weather Conditions Clear, Sunny | Laboratory Sun Star Luhs |

| Time | Volume Purged | Тетр. | Cond. | рН | | | | Visual |] |
|---------|------------------|-----------------|-------|------|----------------|--|-------------|-------------|--------------------|
| 115 | O | | | | | | | clear | - |
| 1117 | | 120 | 56 | 7.50 | | | | Long All | |
| 1118 | 2 | 18.2 | 54 | 7.54 | | | | odor a | drocarbon Theen |
| 1170 | 1 | 18.5 | 52 | 7.53 | | | | 1 | to wen |
| 1121 | 4 | 18.5 | 50 | 7,50 | | | | | |
| 1122 | 5 | 12.6 | 52 | 7.52 | | | | | |
| | 46 | | | | | | | | |
| | a | | | | | | | | |
| | | | | | | | | | • |
| | | | | | - | | | | |
| | | | | | | | | | |
| | _ | | | | · - | | | | |
| Remarks | | | | | | | | | |
| Suv | upled. | 6 112 | 2 | | | | | | |
| đ | ry at | 6 1123 574/0 | ~ | | | | | <u>.</u> -` | |

pump is going out.
intermittent.

| GROUNI | | | GRECOR | <u></u> | GRIBI Associates | | | | | | | | | |
|---|------------------|------------|------------------|----------|------------------|---|--------|------|---------------|--------|--|--|--|--|
| Well No. | MU | V-3 | | , A. T. | , Well L | Well Loc. | | | | | | | | |
| Project Na | ame) | inblin | Toyota | | Projec | Project No. | | | | | | | | |
| Date Z | /11/04 | Time | 1150 | <u>-</u> | TOCE | TOC Elevation 32744 GW Elevation 322-97 | | | | | | | | |
| Depth to V | Water | 4.47 | | | Weli C | Well Depth [4.97 Well Diameter 2" | | | | | | | | |
| Purge Wa | iter, 2": Wtr | Column X (| 0.163 X 3 = | 7.55 | Purge | Purge Water, 4": Wtr Column X 0.653 X 3 = | | | | | | | | |
| Purge/Sar | nple Metho | d fum | 1 | | Lab Ar | nalyses | 7/H-G | BTE. | x /Oxygen | J-« | | | | |
| Weather (| Conditions | v I | , V juzav | (M | Labora | itory | Smusto | 1 1 | · / · / / / · | | | | | |
| | | | | - | | | | | | | | | | |
| Time | Volume Purged | Temp. | Cond. | рH | | ., | | | Visual | | | | | |
| 1155 | 0 | 19,8 | 35 _{us} | 7.08 | | | | | clear | | | | | |
| 4 | | 202 | b | 1 | | | | | | Jachun | | | | |
| 1157 | 2 | 20.2 | 33 | 7.07 | | | | | obor or | sheen | | | | |
| 1200 | 7 | 206 | 33 | 7.07 | | | | | | | | | | |
| 1202 | 4 | 205 | 35 | 7.07 | | - | | | | | | | | |
| 1204 | 5 | 20.5 | 74 | 7.07 | | | | | | | | | | |
| | E E | · | • | | | | | | 4 | | | | | |
| | Th | | | an i | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| <u>, </u> | | | | | | _ | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Remarks | | | | | | | | | | | | | | |
| 4 au | pled c | 2 120 |)4 | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | 1 | | | | | | | | | | |

| Sample Location (Well No.): | MW-1 | | Date: 6/16/2004 | | | | | | | |
|-----------------------------|-------|------|---|--|--|--|--|--|--|--|
| Sample No: | | | Project No.: | | | | | | | |
| Duplicate Sample No: | | | Address: 6450 Dublin Court, Dublin, CA. | | | | | | | |
| Casing Diameter: | 2.00 | in. | Purging Method: Bailer Pump | | | | | | | |
| Well Depth: | 20-00 | ft. | Sampling Method: | | | | | | | |
| Depth to Groundwater: | 6.37 | ft. | 328.87 | | | | | | | |
| Water Column Height: | 13-63 | ft. | Lab Analysis: (327.52) | | | | | | | |
| Purged Volume *: | 6.66 | gal. | Laboratory: Sunstar Labs | | | | | | | |

Field Measurements

| Time | Vol (L) | Temp | E.C. (mS/cm) | D.O. (%) | рН | ORP (mV) | Remarks |
|-------|------------|-------|-----------------|-------------|------|-------------|---------|
| i0:59 | 3 | 20-58 | 2.845 | 13-3 | 7-19 | 3c - i | |
| itett | 10 | 20-46 | 2.710 | ~9-1 | 7-12 | - 46.9 | |
| 11:28 | 20_ | 20-56 | 2.657 | -5·Ì | 7.11 | -58-5 | |
| 11:40 | 27 | 20-58 | 2.666 | 0-8 | 7.10 | -55-9 | |
| | | | | | | | |
| | | | | ! | | | |

Sample Observation

| Color: | Yes □ | No ₱ | Remarks: Pump si | peed @ 100 | <u>-</u> |
|---------|-------|------|---------------------|------------|----------|
| Clear. | Yes 💢 | No 🗆 | Floating Particles: | Yes 🗆 | No 🗷 |
| Turbid: | Yes 🗆 | No 🗷 | Precipitate: | Yes □ | No 🗷 |
| Odor: | Yes □ | No 🎘 | Sheen: | Yes 🗆 | No ⊠≺ |

Equipment Decontamination

| Water Level Meter: | Yes 🖟 | No Remarks: |
|--------------------|-------|------------------------|
| Multimeter Probe: | Yes D | No 🗆 Remarks: |
| E ' | Yes 🗆 | No 🔯 Remarks: |
| Tubing: | Yes 🗆 | No K Remarks: Used new |
| t | | |

Sampler: Ramin Bet-longn

Sampling Time: 11:42

^{*} Purged Water in gallon for 2" well diameter = (0.489 gal/ft)(water column height, ft)

^{*} Purged Water in gallon for 0.75" well diameter = (0.069 gal/ft) (water column height, ft)

| Sample Lo | ocation (we | ell No.): | MW-2 | | Date: | 6/16/2004 | | - | | |
|--------------------------------------|---|--|---|---------------------------|--|--|-----------|--------------|--|--|
| Sample No | o : | | | | Project No |).: 6450 Dubli | n Court [| Dublin, CA | | |
| Duplicate : | Sample N | o: _ | | | 7 ldu/ 000. | | | | | |
| Casing Dia | ameter: | | 2.00 | in. | Purging M | lethod: | Bailer | Pump | | |
| Well Depti | h: | | 20.00 | ft. | Sampling | Method: | | | | |
| Depth to Groundwater: | | | 4.93 | ft. | Lob Anchy | oio: | | 12. | | |
| Water Column Height: | | | <u>15-07</u> | ft. | Lab Anaiy | 313 . | 3 | 2769 | | |
| Purged V | olume *: | | 7.37 | gal. | Lab Analysis: Laboratory: Sunstar Labs | | | | | |
| | | | | | column height, iter column hei | | | | | |
| • | - | ents | | | | | | | | |
| • | asureme Vol | Temp | E.C. | D.O. (%) | рН | ORP (mV) | | Remarks | | |
| Field Me Time | asureme | Temp (°C) | 1 | | рН 7-28 | ŀ | | Remarks | | |
| Field Me Time | asureme Vol (L) | Temp | (mS/cm) | (%) | | (mV) | | Remarks | | |
| Field Me Time | asureme Vol (L) | Temp (°C) | (m\$/cm) 2.063 | (%) 6-5 | 7-28 | (mV) 22.6 | | Remarks | | |
| Field Me Time 9:48 10:01 | vol (L) 3 | Temp (°C) 19-68 19-56 | (ms/cm) 2.063 1-916 | (%) 6.5 9.3 | 7-28 7-36 | (mV) 22.6 -32.3 | | Remarks | | |
| Field Me Time 9:48 10:01 | asureme Vol (L) 3 i0 20 | Temp (°C) 19-68 19-56 19-61 | (mS/cm) 2.063 1-916 1-890 | (%) 6-5 9-3 12-2 | 7.28 7.36 7.37 | (mV) 22.6 -32.3 -44.7 | | Remarks | | |
| Field Me Time 9:48 10:01 10:18 10:28 | asureme Vol (L) 3 i0 20 | Temp (°C) 19-68 19-56 19-63 | (mS/cm) 2.063 1-916 1-890 | (%) 6-5 9-3 12-2 | 7.28 7.36 7.37 | (mV) 22.6 -32.3 -44.7 | | Remarks | | |
| Field Me Time 9:48 10:01 10:18 10:28 | 3 i0 20 27 | Temp (°C) 19-68 19-56 19-63 | (mS/cm) 2.063 1-916 1-890 | (%) 6-5 9-3 12-2 | 7.28 7.36 7.37 | (mV) 22.6 -32.3 -44.7 -51.4 | peed @ | | | |
| Field Me Time 9:48 10:01 10:18 10:28 | asureme Vol (L) 3 i0 20 27 | Temp (°C) 19-68 19-56 19-63 19-63 | (ms/cm) 2.063 1.916 1.890 1.892 | (%) 6-5 9-3 12-2 | 7-28 7-36 7-37 7-37 | (mV) 22.6 -32.3 -44.7 -51.4 | prech @ | | | |
| Field Me Time 9:48 10:01 10:18 10:28 | asureme Vol (L) 3 i0 20 27 Observa | Temp (°c) 19-68 19-56 19-63 tion | (ms/cm) 2.063 1.916 1.890 1.892 No X | (%) 6-5 9-3 12-2 | 7-28 7-36 7-37 7-37 | (mV) 22.6 -32.3 -44.7 -51.4 Pump S Particles: | | (00 | | |
| Field Me Time 9:48 10:01 10:18 10:28 | asureme Vol (L) 3 i0 20 27 Observa Color: | Temp (°C) 19-68 19-56 19-63 19-63 tion Yes Yes Yes | (ms/cm) 2.063 1.916 1.890 1.892 No X | (%) 6-5 9-3 12-2 | 7-28 7-36 7-37 7-37 Remarks: | (mV) 22.6 -32.3 -44.7 -51.4 Pump S Particles: | Yes □ | No XX | | |

Multimeter Probe: Yes No 🗆 Remarks:

Yes Note Remarks:

Yes □ No A Remarks: Used new

Pump:

Tubing:

| Sample Location (Well No.): | MW-3 | | Date: 6/16/2004 |
|-----------------------------|-------|------|---|
| Sample No: | | | Project No.: |
| Duplicate Sample No: | | | Address: 6450 Dublin Court, Dublin, CA. |
| Casing Diameter: | 2.00 | in. | Purging Method: Bailer Pump |
| Well Depth: | 19-90 | ft. | Complement Markhards |
| Depth to Groundwater: | 5-23 | ft. | Lab Applyaio: |
| Water Column Height: | 14.67 | ft. | Lab Analysis: (322 / 21) |
| Purged Volume *: | 7.17 | gal. | Laboratory: Sunstar Labs |

Field Measurements

| Time | Vol (L) | Temp (°C) | E.C. (mS/cm) | D.Ö. (%) | pН | ORP (mV) | Remarks |
|-------|------------|--------------|-----------------|-------------|------|-------------|----------|
| 12:00 | · 3 | 22.18 | 7-909 | -7-4 | 7-09 | 58.0 | |
| 12:12 | 10 | 22.18 | 6.221 | -24.1 | 7.10 | 26.5 | |
| 12:28 | 20 | 22.26 | 5.94 | -1-0 | 7.09 | 18.6 | |
| 12:40 | 27 | 22.28 | | 1.6 | 7.69 | 31.0 | |
| | | | | | | | <u> </u> |
| | | | | | | | |

| Samp | | |
|------|--|--|
| | | |
| | | |
| | | |
| | | |

| Color: | Yes 🗆 | No 🕱 | Remarks: Pawp | speed @ | 100 |
|---------|-------|------|---------------------|---------|-------|
| Clear: | Yes 🛝 | No 🗆 | Floating Particles: | Yes □ | No ¤(|
| Turbid: | Yes □ | No 🗷 | Precipitate: | Yes 🗆 | No 🕰 |
| Odor: | Yes □ | No ₹ | Sheen: | Yes 🗆 | No ex |

Equipment Decontamination

| Water Level Meter: | Yes 🔌 | No Remarks: |
|--------------------|-------|--------------------------------|
| Multimeter Probe: | Yes 💢 | No Remarks: |
| Pump: | Yes 🗆 | No 🗖 Remarks: |
| Tubing: | Yes 🗆 | North Remarks: <u>Used New</u> |
| ł | | |

Sampler: Ramin Bet-Yonan

Sampling Time: 12:41

^{*}Purged Water in gallon for 2" well diameter = (0.489 gai/ft)(water column height, ft)

^{*} Purged Water in gallon for 0.75" well diameter = (0.069 gal/ft) (water column height, ff)

APPENDIX B

LABORATORY DATA REPORTS AND CHAIN-OF-CUSTODY RECORDS



SunStar Laboratories, Inc.

24 July 2003

Jim Gribi Gribi Associates 1350 Hayes St. -- Suite C-14 Benicia, CA 94510 RE: Dublin Toyota

Enclosed are the results of analyses for samples received by the laboratory on 07/16/03 14:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ben Beauchaine For John Shepler

Laboratory Director

| SunStar | Labora | ator | ies, | Jn | C. | \ | | _ | _ | | | | | Lab | Num | ber | | |
|--|--|------------------|------------------|-----------------------|-------------|--------------|---------------|---|--------|----------------------------|--|------|---------------------------------------|-----------------------|----------|----------|----------|-------------------|
| SunStar 3002 Dow Avenue, S Tustin, CA 92780 1-800-781-6777 | Suite 212 | (| 1 | 30 — | 0 7 | 7-6 — | 8 | |) | | Repo | | e: | | | | | |
| Client | Gribi Associates | _ | | | | | | | Date | | | | | 7/ | /16/2 | 2003 | , | |
| Address | 1350 Hayes Street | , Ste C-14 | | | | | | | Proje | Project Name Dublin Toyota | | | | | | | | |
| City, State & Zip | Benicia, CA 94510 |) | | | | | | | Colle | ctor's | Nam | e | | Jim (| Grib | <u>i</u> | | |
| Contact | Jim Gribi | lim Gribi | | | | | | | Clien | t's Pro | oject i | Numl | ber | | | | | |
| Phone | 707/748-7743 | 707/748-7743 | | | | | | | Batch | Num | ber | | | | | | | |
| Fax | 707/748-7763 | | | | | | | | Locat | tion (C | City) | | Di | ublin | 1 | | | |
| P.O. Number | | Email Resul | lts (Y) | N | Page | 1 | of | 1 | Propo | | | er | | | | | | |
| DW = drinking water WW = waste water MW = monitoring well HW = hazardous waste | RETYPE CODES TB = travel blank SD = solid SO = soil SL = sludge DUNB TIME REQU | Compli Monito | N N rector | S a m p l e V P e W W | 3 | | alyse ueste X | , | SWATER | | | | | | | | | Spl. No. 01 02 03 |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | 1 | <u> </u> | - | | | | | | *** | | \dashv | |
| | | | | | | | ╁ | | | | | | | | | | | |
| | | | | | | | † | | | | | | | | - | | | |
| Instructions/Comment | s/Special Requirem | ents: | | | · | | 1 | | Dete | ction | Leve | ols | | Soil | | | Wate | |
| | | | | | | | | | TPH- | -G&D | | | | 1.0 p | pm | | 50.0 | dqq |
| | | | | | | | | | | X/MTI | | OCs | | 0.005 | | | 0.5 p | |
| - | | | | | | | | | 0&G | | : | | | 50,0 | | | 5.0 p | |
| | | | | | | | | _ | | 1 | | | | | | • | <u> </u> | .' |
| SAMPLE F | RECEIPT - | Oate | Time | | Samp | ies | Relin | ខ្មែរ | had | ВV | | |) S a | mpl | es F | ecei | ved | Ву |
| Received Cold (| (Y) N(3" | 7/16/03 | | / | la | (| 1/ | \mathcal{L} | U | | | F | 111 | / / | 11 | mi | e e | |
| Custody Seals | Y N 7/16/04/450 Change CCS | | | | | | | b- | | | | -29 | / /V | /- | 7 | | | |
| Seals Intact | YN | | | | | | | | | <u> </u> | | | | | _ | | | |
| No. of Containers | 9 | | | | | | | | | | | | | | | | | |
| 110:01 | | | | 1 | | | | | | | | | | | | | | |
| | | | | | *********** | | <u></u> | 000000000000000000000000000000000000000 | | | ,0000000000000000000000000000000000000 | | e e e e e e e e e e e e e e e e e e e | | ******** | | | |

Gribi Associates 1350 Hayes St. -- Suite C-14 Benicia CA, 94510 Project: Dublin Toyota

Project Number: [none]
Project Manager: Jim Gribi

Reported: 7/24/03

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|--------------|---------------|
| MW-1 | T300768-01 | Water | 7/13/03 | 7/16/03 |
| MW-2 | T300768-02 | Water | 7/13/03 | 7/16/03 |
| MW-3 | T300768-03 | Water | 7/13/03 | 7/16/03 |

SunStar Laboratories, Inc.

(D)

1350 Hayes St. -- Suite C-14 Benicia CA, 94510 Project: Dublin Toyota

Project Number: [none] Project Manager: Jim Gribi Reported:

7/24/03

Volatile Organic Compounds by EPA Method 8260B

SunStar Laboratories, Inc.

| | R | eporting | | | | | | | |
|---|-----------------------|----------|----------|------------|---------|----------|----------|-----------|--|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | |
| MW-1 (T300768-01) Water | Sampled: 07/13/03 00: | 00 Rece | ived: 0 | 7/16/03 14 | :50 | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 3071702 | 07/17/03 | 07/18/03 | EPA 8260B | |
| Toluene | ND | 0.50 | Ħ | II | н | п | Ħ | u | |
| Ethylbenzene | ND | 0.50 | н | н | и | II . | n | " | |
| m,p-Xylene | ND | 1.0 | " | 11 | 10 | 11 | II . | # | |
| o-Xylene | ND | 0.50 | II |). | 1f | 19 | U | H | |
| Methyl tert-butyl ether | 15000 | 25 | U | 50 | #1 | 19 | 0 | 11 | |
| Ethyl tert-butyl ether | ND | 5.0 | " | 1 | ** | tr | 17 | H | |
| Di-isopropyl ether | ND | 5.0 | It | W | 10 | TT TT | * | n | |
| Tert-amyl methyl ether | 10 | 5.0 | н | 11 | 11 | 19 | н | н | |
| Tert-butyl alcohol | 42 | 10 | n | ** | " | " | *1 | n | |
| Surrogate: Dibromofluoromethane | | 94.2 % | 86- | 118 | " | " | # | " | |
| Surrogate: Toluene-d8 | | 104 % | 86- | 115 | n | " | " | " | |
| Surrogate: 4-Bromofluorobenz | ene | 101 % | 86- | 115 | " | " | " | " | |
| MW-2 (T300768-02) Water | Sampled: 07/13/03 00: | 00 Rece | ived: 07 | //16/03 14 | :50 | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 3071702 | 07/17/03 | 07/17/03 | EPA 8260B | |
| Toluene | ND | 0.50 | u | н | 19 | 11 | u | * | |
| Ethylbenzene | ND | 0.50 | U | Ħ | 18 | υ | u | e e | |
| m,p-Xylene | ND | 1.0 | п | . 4 | ħ | ш | n n | r · | |
| o-Xylene | ND | 0.50 | n | 11 | 77 | II . | n n | ** | |
| Methyl tert-butyl ether | 6.5 | 0.50 | H | 10 | | 10 | II | " | |
| Ethyl tert-butyl ether | ND | 5.0 | 10 | 11 | * | 19 | п | It | |
| Di-isopropyl ether | ND | 5.0 | If | ** | 71 | " | н | н | |
| Tert-amyl methyl ether | ND | 5.0 | ** | п | н | н | 11 | *1 | |
| Tert-butyl alcohol | ND | 10 | T | п | II . | И | 16 | 11 | |
| | | 115% | 86- | 118 | " | " | " | n | |
| = | ane | 113 /0 | 0.0 | | | | | | |
| Surrogate: Dibromofluorometh Surrogate: Toluene-d8 | ane | 100 % | | 115 | " | n n | # | н | |

SunStar Laboratories, Inc.

< DD

1350 Hayes St. -- Suite C-14 Benicia CA, 94510 Project: Dublin Toyota

Project Number: [none]
Project Manager: Jim Gribi

Reported: 7/24/03

Volatile Organic Compounds by EPA Method 8260B

SunStar Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------|-------------------|--------------------|----------|------------|---------|----------|----------|--|-------|
| MW-3 (T300768-03) Water | Sampled: 07/13/03 | 00:00 Rece | ived: 0' | 7/16/03 14 | 1:50 | | | ······································ | |
| Benzene | ND | 0.50 | ug/l | 1 | 3071702 | 07/17/03 | 07/18/03 | EPA 8260B | |
| Toluene | ND | 0.50 | U | 14 | ** | 11 | ** | P | |
| Ethylbenzene | ND | 0.50 | D | 19 | н | | п | н | |
| m,p-Xylene | ND | 1.0 | н | ,, | 17 | D | н | ** | |
| o-Xylene | ND | 0.50 | " | 17 | R | 1) | | ** | |
| Methyl tert-butyl ether | 460 | 0.50 | | PF | H | 11 | | 11 | |
| Ethyl tert-butyl ether | ND | 5.0 | " | н | Ħ | п | 11 | α | |
| Di-isopropyl ether | .ND | 5.0 | " | и | +t | н | R | 11 | |
| Tert-amyl methyl ether | ND | 5.0 | 71 | 16 | a | н | н | u | |
| Tert-butyl alcohol | ND | 10 | n | " | (I | н | Ħ | U | |
| Surrogate: Dibromofluorometh | ane | 114 % | 86- | -118 | " | # | u | " | |
| Surrogate: Toluene-d8 | | 103 % | 86- | 115 | " | # | n | n | |
| Surrogate: 4-Bromofluorobenz | ene | 95.5 % | 86- | ·115 | # | n | ij | " | |

SunStar Laboratories, Inc.

< DS ...

1350 Hayes St. -- Suite C-14 Benicia CA, 94510 Project: Dublin Toyota

Project Number: [none]
Project Manager: Jim Gribi

Reported:

7/24/03

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 |
|---------------------------------|--------|--------------------|-------|----------------|------------------|-----------|----------------|-----|--------------|-------|
| Batch 3071702 - EPA 5030 Water | ·MS | | | | | | | | | |
| Blank (3071702-BLK1) | | | | Prepare | d & Analy | zed: 07/1 | 7/03 | | | |
| Benzene | ND | 0.50 | ug/i | | , | | | | | |
| Toluene | ND | 0.50 | 7 | | | | | | | |
| Ethylbenzene | ND | 0.50 | " | | | | | | | |
| m,p-Xylene | ND | 1.0 | " | | | | | | | |
| o-Xylene | ND | 0.50 | H | | | | | | | |
| Methyl tert-butyl ether | ND | 0.50 | п | | | | | | | |
| Ethyl tert-butyl ether | ND | 5.0 | 71 | | | | | | | |
| Di-isopropyl ether | ND | 5.0 | п | | | | | | | |
| Fert-amyl methyl ether | ND | 5.0 | п | | | | | | | |
| Fert-butyl alcohol | ND | 10 | 11 | | | | | | | |
| Surrogate: Dibromofluoromethane | 45.1 | | " | 40.0 | | 113 | 86-118 | | | |
| Surrogate: Toluene-d8 | 40.6 | | " | 40.0 | | 102 | 86-115 | | | |
| Surrogate: 4-Bromofluorobenzene | 39.0 | | " | 40.0 | | 97.5 | 86-115 | | | |
| LCS (3071702-BS1) | | | | Prepared | d: 07/17/01 | 3 Analyz | ed: 07/18/03 | | | |
| Benzene | 98.6 | 0.50 | ug/l | 100 | 2. 5 // 1 // 0. | 98.6 | 75-125 | | | |
| Toluene | 100 | 0.50 | 11 | 100 | | 100 | 75-125 | | | |
| Surrogate: Dibromofluoromethane | 45.4 | | u | 40.0 | | 114 | 86-118 | | | |
| Surrogate: Toluene-d8 | 41.1 | | " | 40.0 | | 103 | 86-115 | | | |
| Surrogate: 4-Bromofluorobenzene | 40.1 | | " | 40.0 | | 100 | 86-115 | | | |
| Matrix Spike (3071702-MS1) | Source | :: T300768-0 |)2 | Preparer | i: 07/17/03 | 3 Analyz | ed: 07/18/03 | | | |
| Benzene | 105 | 0.50 | | 100 | ND | 105 | 75-125 | | | |
| Toluene | 103 | 0.50 | n | 100 | ND | 103 | 75-125 | | | |
| Surrogate: Dibromofluoromethane | 44.6 | | " | 40.0 | | 1.12 | 86-118 | | | |
| Surrogate: Toluene-d8 | 41.2 | | n | 40.0 | | 103 | 86-115 | | | |
| Surrogate: 4-Bromofluorobenzene | 40.0 | | " | 40.0 | | 100 | 86-115 | | | |

SunStar Laboratories, Inc.

(DB

1350 Hayes St. -- Suite C-14

Project: Dublin Toyota

Project Number: [none]

Reported: 7/24/03

Benicia CA, 94510

Project Manager: Jim Gribi

Purgeable Petroleum Hydrocarbons by 8015

SunStar Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------|------------------|--------------------|----------|------------|---------|----------|----------|-----------|-------|
| MW-1 (T300768-01) Water Samp | pled: 07/13/03 0 | 0:00 Rece | ived: 07 | 7/16/03 14 | :50 | | | | |
| Gasoline Range Hydrocarbons | 74 | 50 | ug/l | l | 3071701 | 07/17/03 | 07/18/03 | EPA 8015m | |
| Surrogate: 4-Bromofluorobenzene | | 82.8 % | 65- | -135 | n | ." | . " | " | |
| MW-2 (T300768-02) Water Samp | pled: 07/13/03 0 | 0:00 Rece | ived: 07 | 7/16/03 14 | :50 | | | | |
| Gasoline Range Hydrocarbons | ND | 50 | ug/l | 1 | 3071701 | 07/17/03 | 07/18/03 | EPA 8015m | |
| Surrogate: 4-Bromofluorobenzene | | 74.2 % | 65- | -135 | " | * | " | " | |
| MW-3 (T300768-03) Water Samp | pled: 07/13/03 0 | 0:00 Rece | ived: 07 | 7/16/03 14 | :50 | | | | |
| Gasoline Range Hydrocarbons | ND | 50 | ug/l | Ţ | 3071701 | 07/17/03 | 07/18/03 | EPA 8015m | |
| Surrogate: 4-Bromofluorobenzene | | 77.2 % | 65- | -135 | 11 | " | " | n | |

SunStar Laboratories, Inc.

1350 Hayes St. -- Suite C-14 Benicia CA, 94510 Project: Dublin Toyota

Project Number: [none]
Project Manager: Jim Gribi

Reported:

7/24/03

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 |
|----------------------------------|--------|--------------------|----------|----------------|-------------------|------------|------------------------|--------------|--------------|--------|
| Batch 3071702 - EPA 5030 Water M | | | <u> </u> | 20101 | riosair | JURES | Ziiiii | - KI D | Lillit | 110103 |
| Matrix Spike Dup (3071702-MSD1) | | : T300768- | 02 | Denna | J. 07/17/0 | 7 A1 | 4. 07/19/01 | | | |
| Benzene | 102 | 0.50 | | 100 | 1: 07/17/0. ND | | ed: 07/18/03 75-125 | | 20 | |
| Toluene | 100 | 0.50 | ug/I | 100 | ND ND | 102 100 | 75-125 75-125 | 2.90 2.96 | 20 20 | |
| Surrogate: Dibromofluoromethane | 44.8 | | " | 40.0 | | 112 | 86-118 | | | |
| Surrogate: Toluene-d8 | 39.8 | | " | 40.0 | | 99.5 | 86-115 | | | |
| Surrogate: 4-Bromofluorobenzene | 40.1 | | " | 40.0 | | 100 | 86-115 | | | |

SunStar Laboratories, Inc.

< DD

1350 Hayes St. -- Suite C-14 Benicia CA, 94510 Project: Dublin Toyota

Project Number: [none]
Project Manager: Jim Gribi

Reported:

7/24/03

Purgeable Petroleum Hydrocarbons by 8015 - Quality Control SunStar Laboratories, Inc.

| Analyte | Result | Reporting Limit Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------------------------|--------|--------------------------|----------------|------------------|----------|----------------|-------|--------------|-------|
| Batch 3071701 - EPA 5030 Water G | C | | · · · | | | | | | |
| Blank (3071701-BLK1) | | | Prepare | d: 07/17/03 | 3 Analya | zed: 07/18/03 | | | |
| Gasoline Range Hydrocarbons | ND | 50 ug/l | - | | · | | | | |
| Surrogate: 4-Bromofluorobenzene | 33.5 | n | 50.0 | | 67.0 | 65-135 | | | |
| LCS (3071701-BS1) | | | Prepare | d: 07/17/03 | 3 Analya | zed: 07/18/03 | | | |
| Gasoline Range Hydrocarbons | 5360 | 500 ug/l | 5500 | | 97.5 | 75-125 | | | |
| Surrogate: 4-Bromofluorobenzene | 53.6 | " | 50.0 | | 107 | 65-135 | | | |
| Matrix Spike (3071701-MS1) | Source | :: T300764-01 | Prepare | d: 07/17/0: | 3 Analya | zed: 07/18/03 | | | |
| Gasoline Range Hydrocarbons | 5520 | 500 ug/l | 5500 | ND | 100 | 65-135 | | | |
| Surrogate: 4-Bromofluorobenzene | 50.3 | " | 50.0 | | 101 | 65-135 | | | |
| Matrix Spike Dup (3071701-MSD1) | Source | : T300764-01 | Ргераге | d: 07/17/03 | 3 Analy | zed: 07/18/03 | | | |
| Gasoline Range Hydrocarbons | 5530 | 500 ug/l | 5500 | ND | 101 | 65-135 | 0.181 | 20 | |
| Surrogate: 4-Bromofluorobenzene | 48.6 | н | 50.0 | | 97.2 | 65-135 | | | |

SunStar Laboratories, Inc.

< 155

Project: Dublin Toyota

1350 Hayes St. -- Suite C-14

Project Number: [none]

Reported:

Benicia CA, 94510

Project Manager: Jim Gribi

7/24/03

Notes and Definitions

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.

< 155 ·

SunStar Laboratories, Inc.

19 February 2004

Jim Gribi Gribi Associates 1350 Hayes St. -- Suite C-14 Benicia, CA 94510

RE: Dublin Toyota

Enclosed are the results of analyses for samples received by the laboratory on 02/12/04 13:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ben Beauchaine For John Shepler

Laboratory Director

Lab Number SunStar Laboratories, Inc. 3002 Dow Avenue, Suite 212 Report T400121 Due Date: Tustin, CA 92780 1-800-781-6777 2/12/2003 Date Client Gribi Associates **Dublin Toyota** Address 1350 Hayes Street, Ste C-14 Project Name Shawn Hanson City, State & Zip Benicia, CA 94510 Collector's Name Client's Project Number Contact Jim Gribi Batch Number Phone 707/748-7743 Dublin 707/748-7763 Location (City) Fax N Proposal Number **Email Results** Page P.O. Number SAMPLE TYPE CODES Analyses Ċ S Requested TB = travel blank Compliance DW = drinking water o 3 Monitoring SD = solid WW = waste water m n SO = soil MW = monitoring well Y HW = hazardous waste SL = sludge a TURNAROUND TIME REQUESTED n Standard) Lab Director e Approval RUSH \$ P Special CLIENT'S SAMPLE ID/LOCATION Date Time Spl. No. o l MW-1 W 3 X 2/11/04 10:44 a.m 20 3 X MW-2 W X 2/11/04 11:22 a.m 05 MW-3 W 3 X 2/11/04 12:04 p.m **Detection Levels** Water Instructions/Comments/Special Requirements: TPH-G&D 1.0 ppm 50.0 ppb BTEX/MTBE/VOCs 0.005 ppm 0.5 ppb 50.0 ppm 5.0 ppm 0&G Samples Received By Samples Relinquished By SAMPLE RECEIPT Date Time **Received Cold** Ν **Custody Seals** N Seals Intact Υ No. of Containers

1350 Hayes St. -- Suite C-14

Project: Dublin Toyota

Project Number: [none] Project Manager: Jim Gribi

Reported: 02/19/04 11:23

Benicia CA, 94510

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| MW-1 | T400122-01 | Water | 02/11/04 10:44 | 02/12/04 13:00 |
| MW-2 | T400122-02 | Water | 02/11/04 11:22 | 02/12/04 13:00 |
| MW-3 | T400122-03 | Water | 02/11/04 12:04 | 02/12/04 13:00 |

SunStar Laboratories, Inc.

< DS

1350 Hayes St. -- Suite C-14

Benicia CA, 94510

Project: Dublin Toyota

Project Number: [none]

Project Manager: Jim Gribi

Reported: 02/19/04 11:23

MW-1 T400122-01 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|---------------------------------------|--------------------|----------|-----------|---------|----------|----------|----------------|-------|
| | | SunStar La | aborator | ies, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbons | by 8015 | | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 50 | ug/l | 1 | 4021601 | 02/16/04 | 02/17/04 | EPA 8015m | |
| Surrogate: 4-Bromofluorobenzene | | 106 % | 65- | 135 | ,, | " | и | # | |
| Volatile Organic Compounds by EPA | Method 8260B | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 4021604 | 02/16/04 | 02/17/04 | EPA 8260B | |
| Toluene | ND | 0.50 | н | ** | M | n | II . | и | |
| Ethylbenzene | ND | 0.50 | 11 | 17 | 10 | II. | п | н | |
| m,p-Xylene | ND | 1.0 | н | ** | # | II | 19 | 79 | |
| o-Xylene | ND | 0.50 | " | ** | п | 10 | 11 | • | |
| Tert-amyl methyl ether | 10 | 2.0 | н | n | II | " | * | I) | |
| Tert-butyl alcohol | 420 | 10 | 10 | 11 | H | п | н | ** | |
| Di-isopropyl ether | ND | 2.0 | ** | 11 | ** | * | н | ** | |
| Ethyl tert-butyl ether | 2.5 | 2.0 | ** | 19 | н | ** | 19 | n | |
| Methyl tert-butyl ether | 34000 | 250 | Ħ | 250 | п | 11 | 02/17/04 | a | |
| Surrogate: Toluene-d8 | · · · · · · · · · · · · · · · · · · · | 106 % | 86- | 115 | " | n | 02/17/04 | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.2 % | 86- | 115 | n | u | II | и | |
| Surrogate: Dibromofluoromethane | | 104 % | 86- | 118 | " | " | и | u | |

SunStar Laboratories, Inc.

< 155 ·

1350 Hayes St. -- Suite C-14

Benicia CA, 94510

Project: Dublin Toyota

Project Number: [none] Project Manager: Jim Gribi

Reported: 02/19/04 11:23

MW-2 T400122-02 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|--------------------|------------|----------|---------|----------|----------|-----------|-------|
| | | SunStar La | aboratorie | s, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbons l | by 8015 | | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 50 | ug/l | l | 4021601 | 02/16/04 | 02/17/04 | EPA 8015m | |
| Surrogate: 4-Bromofluorobenzene | | 106 % | 65-13 | 5 | 11 | rr | " | н | |
| Volatile Organic Compounds by EPA | Method 8260B | | | | | | | | |
| Веплепе | ND | 0.50 | ug/l | 1 | 4021604 | 02/16/04 | 02/16/04 | EPA 8260B | |
| Toluene | ND | 0.50 | 11 | " | м | п | * | • | |
| Ethylbenzene | ND | 0.50 | n | | 11 | п | н | * | |
| m,p-Xylene | ND | 1.0 | H | ** | | H | IT | 11 | |
| o-Xylene | ND | 0.50 | | II; | ** | ** | •• | n | |
| Tert-amyl methyl ether | ND | 2.0 | н | 11 | n | n | ** | 15 | |
| Tert-butyl alcohol | ND | 10 | II. | 11 | н | | ** | н | |
| Di-isopropyl ether | ND | 2.0 | II . | 11 | 11 | Ħ | H | н | |
| Ethyl tert-butyl ether | ND | 2.0 | н | 10 | n | n | п | n | |
| Methyl tert-butyl ether | 8.5 | 1.0 | н | | н | ** | u | Ħ | |
| Surrogate: Toluene-d8 | | 97.0 % | 86-11 | 5 | " | ,, | " | n | |
| Surrogate: 4-Bromofluorobenzene | | 106 % | 86-11 | 5 | " | " | " | 11 | |
| Surrogate: Dibromofluoromethane | | 103 % | 86-11 | 8 | " | " | " | " | |

SunStar Laboratories, Inc.

< 155

1350 Hayes St. -- Suite C-14

Benicia CA, 94510

Project: Dublin Toyota

Project Number: [none] Project Manager: Jim Gribi

Reported: 02/19/04 11:23

MW-3 T400122-03 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|--------------|--------------------|----------|-----------|---------|----------|----------|-----------|-------|
| | | SunStar L | aborator | ies, Inc. | | | | | |
| Purgeable Petroleum Hydrocarbons | by 8015 | | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 50 | ug/l | 1 | 4021601 | 02/16/04 | 02/17/04 | EPA 8015m | |
| Surrogate: 4-Bromofluorobenzene | | 107 % | 65- | 135 | " | " | ,, | * | |
| Volatile Organic Compounds by EPA | Method 8260B | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 4021604 | 02/16/04 | 02/16/04 | EPA 8260B | |
| Toluene | ND | 0.50 | H | н | ** | H | ** | • | |
| Ethylbenzene | ND | 0.50 | 17 | n | " | rr | ** | п | |
| m,p-Xylene | ND | 1.0 | ** | ** | ** | Ħ | u | ,, | |
| o-Xylene | ND | 0.50 | ** | ** | # | II | н | ** | |
| Tert-amyl methyl ether | 2.2 | 2.0 | 11 | - | 19 | п | n | ** | |
| Tert-butyl alcohol | 1000 | 10 | " | * | ** | п | " | ** | |
| Di-isopropyl ether | ND | 2.0 | It | 14 | | ì1 | ** | er | |
| Ethyl tert-butyl ether | ND | 2.0 | п | 17 | " | н | " | Ħ | |
| Methyl tert-butyl ether | 4000 | 20 | | 20 | " | 11 | 02/18/04 | Ħ | |
| Surrogate: Toluene-d8 | | 105 % | 86 | 115 | и | " | 02/16/04 | ii. | |
| Surrogate: 4-Bromofluorobenzene | | 95.5 % | 86 | 115 | " | " | μ | " | |
| Surrogate: Dibromofluoromethane | | 96.8 % | 86- | 118 | μ | " | v | u | |

SunStar Laboratories, Inc.

< DS

1350 Hayes St. -- Suite C-14

Project: Dublin Toyota

Project Number: [none]

Reported: 02/19/04 11:23

Benicia CA, 94510

Project Manager: Jim Gribi

Purgeable Petroleum Hydrocarbons by 8015 - Quality Control SunStar Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Spike | Source Result | %REC | %REC Limits | RPD | RPD | Notes |
|-----------------------------------|--------|--------------------|-------|------------|------------------|-------------|----------------|--------------|-------|-------|
| rmaryto | Result | Cimit | Omis | Level | Result | 76KEC | Limits | KPD | Limit | Notes |
| Batch 4021601 - EPA 5030 Water GC | | | | | | | | | | |
| Blank (4021601-BLK1) | | | | Prepared a | & Analyze | ed: 02/16/0 |)4 | | | |
| Gasoline Range Hydrocarbons | ND | 50 | ug/l | | - | | | | | |
| Surrogate 4-Bromofluorobenzene | 50.8 | | " | 50.0 | | 102 | 65-135 | | | |
| LCS (4021601-BS1) | | | | Prepared: | 02/16/04 | Analyzed | : 02/17/04 | _ | | |
| Gasoline Range Hydrocarbons | 5670 | 50 | ug/l | 5500 | | 103 | 75-125 | | | |
| Surrogate: 4-Bromofluorobenzene | 54.4 | | " | 50.0 | | 109 | 65-135 | | • | |
| Matrix Spike (4021601-MS1) | So | urce: T40012 | 1-30 | Prepared: | 02/16/04 | Analyzed | : 02/17/04 | | | |
| Gasoline Range Hydrocarbons | 5950 | 50 | ug/l | 5500 | ND | 108 | 65-135 | | | |
| Surrogate: 4-Bromofluorobenzene | 50.4 | | " | 50.0 | | 101 | 65-135 | | | |
| Matrix Spike Dup (4021601-MSD1) | So | urce: T40012 | 1-30 | Prepared: | 02/16/04 | Analyzed | : 02/17/04 | | | |
| Gasoline Range Hydrocarbons | 5460 | 50 | ug/l | 5500 | ND | 99.3 | 65-135 | 8.59 | 20 | |
| Surrogate: 4-Bromofluorobenzene | 47.9 | · | rr | 50.0 | | 95.8 | 65-135 | | | |

SunStar Laboratories, Inc.

< DS

1350 Hayes St. -- Suite C-14

Benicia CA, 94510

Project: Dublin Toyota

Project Number: [none]

Project Manager: Jim Gribi

Reported: 02/19/04 11:23

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 |
|-----------------------------------|--------|--------------------|-------|----------------|------------------|-------------|----------------|-----|--------------|-------|
| Batch 4021604 - EPA 5030 Water MS | | | - | | | | | | | |
| Blank (4021604-BLK1) | | | | Prepared a | & Analyza | ed: 02/16/0 |)4 | | | |
| 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 | н | | | | | | | |
| Tert-butyl alcohol | ND | 10 | Ħ | | | | | | | |
| Di-isopropyl ether | ND | 2.0 | н | | | | | | | |
| Ethyl tert-butyl ether | ND | 2.0 | н | | | | | | | |
| Methyl tert-butyl ether | ND | 1.0 | u | | | | | | | |
| Surrogate: Toluene-d8 | 43.6 | | IJ | 40.0 | | 109 | 86-115 | | | |
| Surrogate: 4-Bromofluorobenzene | 39.2 | | ,, | 40.0 | | 98.0 | 86-115 | | | |
| Surrogate: Dibromofluoromethane | 42.9 | | 14 | 40.0 | | 107 | 86-118 | | | |
| LCS (4021604-BS1) | | | | Prepared: | 02/16/04 | Analyzed | : 02/17/04 | | | |
| Benzene | 111 | 0.50 | ug/l | 100 | | 111 | 75-125 | | | |
| Toluene | 108 | 0.50 | " | 100 | | 108 | 75-125 | | | |
| Surrogate: Toluene-d8 | 41.9 | | " | 40.0 | | 105 | 86-115 | | | |
| Surrogate: 4-Bromofluorobenzene | 38.7 | | # | 40.0 | | 96.8 | 86-115 | | | |
| Surrogate: Dibromofluoromethane | 39.5 | | " | 40.0 | | 98.8 | 86-118 | | | |
| Matrix Spike (4021604-MS1) | So | urce: T40012 | 1-29 | Prepared: | 02/16/04 | Analyzed | 02/17/04 | | | |
| Benzene | 95.7 | 0.50 | ug/l | 100 | ND | 95.7 | 75-125 | | | - |
| Toluene | 94.3 | 0.50 | " | 100 | ND | 94.3 | 75-125 | | | |
| Surrogate: Toluene-d8 | 41.3 | | # | 40.0 | | 103 | 86-115 | | | |
| Surrogate: 4-Bromofluorobenzene | 37.3 | | " | 40.0 | | 93.2 | 86-115 | | | |
| Surrogate: Dibromofluoromethane | 41.5 | | r | 40.0 | | 104 | 86-118 | | | |

SunStar Laboratories, Inc.

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1350 Hayes St. -- Suite C-14

Benicia CA, 94510

Project: Dublin Toyota

Project Number: [none]

Project Manager: Jim Gribi

Reported: 02/19/04 11:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

| | Reporting | | | Spike | Source | | %REC | | RPD | |
|-----------------------------------|-----------|-------------|-------|-----------|----------|----------|------------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 4021604 - EPA 5030 Water MS | | | | | | | | | _ | |
| Matrix Spike Dup (4021604-MSD1) | Sour | rce: T40012 | 1-29 | Prepared: | 02/16/04 | Analyzed | : 02/17/04 | | | |
| Benzene | 87.0 | 0.50 | ug/l | 100 | ND | 87.0 | 75-125 | 9.52 | 20 | OM-07 |
| Toluene | 84.1 | 0.50 | ii | 100 | ND | 84.1 | 75-125 | 11.4 | 20 | QM-07 |
| Surrogate: Toluene-d8 | 43.4 | | 11 | 40.0 | | 108 | 86-115 | | | OM-07 |
| Surrogate: 4-Bromofluorobenzene | 43.5 | | n | 40.0 | | 109 | 86-115 | | | OM-07 |
| Surrogate: Dibromofluoromethane | 62.2 | | " | 40.0 | | 156 | 86-118 | | | QM-07 |

SunStar Laboratories, Inc.

(D)

Project: Dublin Toyota

1350 Hayes St. -- Suite C-14

Benicia CA, 94510

Project Number: [none] Project Manager: Jim Gribi

Reported: 02/19/04 11:23

Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

Sample results reported on a dry weight basis dry

RPD Relative Percent Difference

SunStar Laboratories, Inc.



SunStar Laboratories, Inc.

24 June 2004

Jim Gribi Gribi Associates 1350 Hayes St. -- Suite C-14 Benicia, CA 94510 RE: Dublin Toyota

Enclosed are the results of analyses for samples received by the laboratory on 06/19/04 09:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ben Beauchaine For John Shepler

Laboratory Director

Lab Number SunStar Laboratories, Inc. 1400672 3002 Dow Avenue, Suite 212 Report Due Date: Tustin, CA 92780 1-800-781-6777 6//17/2003 Gribi Associates Date Client **Dublin Toyota** Address 1350 Hayes Street, Ste C-14 Project Name Jim Gribi City, State & Zip Benicia, CA 94510 Collector's Name Jim Gribi Client's Project Number Contact Phone 707/748-7743 Batch Number Dublin 707/748-7763 Location (City) Fax Email Results Page Proposal Number P.O. Number of SAMPLE TYPE CODES Analyses S C Compliance Requested DW = drinking water TB = travel blank o а SD = solid WW = waste water Monitoring m n MW = monitoring well SO = soil p Υ Ν HW = hazardous waste SL = sludge TURNAROUND TIME REQUESTED e n Standard) Lab Director T e Approval RUSH y p e CLIENT'S SAMPLE ID/LOCATION Spl. No. Date Time Oi MW-1 6/16/04 11:42 a.m W 3 02 MW-2 W 3 6/16/04 10:30 a.m 03 3 Χ MW-3 6/16/04 12:41 p.m W Water Soil Instructions/Comments/Special Requirements: **Detection Levels** 50.0 ppb TPH-G&D 1.0 ppm 0.005 ppm 0.5 ppb BTEX/MTBE/VOCs 5.0 ppm 50.0 ppm O&G Samples Regeived By SAMPLE RECEIPT Date Time Received Cold 9:00 Υ Ν **Custody Seals** Ν Seals Intact No. of Containers

1350 Hayes St. -- Suite C-14

Benicia CA, 94510

Ртојест: Dublin Toyota

Project Number: [none]

Project Manager: Jim Gribi

Reported:

06/24/04 16:54

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| MW-1 | T400672-01 | Water | 06/16/04 11:42 | 06/19/04 09:00 |
| MW-2 | T400672-02 | Water | 06/16/04 10:30 | 06/19/04 09:00 |
| MW-3 | T400672-03 | Water | 06/16/04 12:41 | 06/19/04 09:00 |

SunStar Laboratories, Inc.

< 155 ·

1350 Hayes St. -- Suite C-14

Benicia CA, 94510

Project: Dublin Toyota

Project Number: [none]

Project Manager: Jim Gribi

Reported: 06/24/04 16:54

MW-1 T400672-01 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|--------------|--------------------|----------|-----------|---------|----------|----------|-----------|-------|
| | | SunStar La | aborator | ies, Inc. | | | | | |
| Volatile Organic Compounds by EPA | Method 8260B | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 4062205 | 06/22/04 | 06/22/04 | EPA 8260B | |
| Toluene | ND | 0.50 | n n | ** | н | a | ıı | | |
| Ethylbenzene | ND | 0.50 | R | н | U | ш | u | • | |
| m,p-Xylene | מא | 1.0 | ir. | II . | п | п | п | •• | |
| o-Xylene | ND | 0.50 | и | н | n n | п | п | н | |
| Tert-amyl methyl ether | 6.8 | 2.0 | ц | u | 11 | п | п | * | |
| Tert-butyl alcohol | 290 | 10 | п | п | n | 11 | п | 19 | |
| Di-isopropyl ether | ND | 2.0 | и | п | 19 | п | п | 19 | |
| Ethyl tert-butyl ether | ND | 2.0 | н | n | | н | н | 77 | |
| Methyl tert-butyl ether | 7600 | 50 | n | 50 | 11 | IJ | 06/23/04 | ** | |
| Gasoline Range Hydrocarbons | 180 | 50 | *1 | 1 |)e | н | 06/22/04 | * | |
| Surrogate: Toluene-d8 | | 102 % | 86- | 115 | # | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 94.5 % | 86- | 115 | H | " | " | u | |
| Surrogate: Dibromofluoromethane | | 99.5 % | 86- | 118 | " | " | " | rr · | |

SunStar Laboratories, Inc.

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1350 Hayes St. -- Suite C-14

Benicia CA, 94510

Project: Dublin Toyota

Project Number: [none]

Project Manager: Jim Gribi

Reported: 06/24/04 16:54

MW-2 T400672-02 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|--------------|--------------------|----------|-----------|---------|----------|----------|-----------|-------|
| | | SunStar La | aborator | ies, Inc. | | | | | • |
| Volatile Organic Compounds by EPA | Method 8260B | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 4062205 | 06/22/04 | 06/22/04 | EPA 8260B | |
| Toluene | ND | 0.50 | н | 19 | +1 | II | ** | 41 | |
| Ethylbenzene | ND | 0.50 | #1 | 11 | w | II | n | Ħ | |
| m,p-Xylene | ND | 1.0 | 11 | 11 | н | н | ** | # | |
| o-Xylene | ND | 0.50 | ** | " | 11 | n | ** | π | |
| Tert-amyl methyl ether | ND | 2.0 | 21 | ** | н | н | ** | ч | |
| Tert-butyl alcohol | ND | 10 | 11 | * | н | н | *1 | 4 | |
| Di-isopropyl ether | ND | 2.0 | 49 | ** | н | н | п | # | |
| Ethyl tert-butyl ether | ND | 2.0 | н | Ħ | " | n | n | - | |
| Methyl tert-butyl ether | 120 | 1.0 | " | 17 | 11 | n | ** | 4 | |
| Gasoline Range Hydrocarbons | ND | 50 | | ď | н | н | a | ч | |
| Surrogate: Toluene-d8 | * | 107 % | 86- | 115 | " | ,, | r | ,, | |
| Surragate: 4-Bromofluorobenzene | | 95.0 % | 86- | 115 | n | " | IJ | n | |
| Surrogate: Dibromofluoromethane | | 91.0% | 86- | 118 | rr | # | ti. | ø | |

SunStar Laboratories, Inc.

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1350 Hayes St. -- Suite C-14

Benicia CA, 94510

Project: Dublin Toyota

Project Number: [none]
Project Manager: Jim Gribi

Reported: 06/24/04 16:54

MW-3 T400672-03 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|--------------|--------------------|----------|-----------|---------|----------|----------|-----------|-------|
| 1 | | SunStar La | aborator | ies, Inc. | | | | | - |
| Volatile Organic Compounds by EPA | Method 8260B | | | | | | | | |
| Benzene | ND | 0.50 | ug/l | 1 | 4062205 | 06/22/04 | 06/22/04 | EPA 8260B | |
| Toluene | ND | 0.50 | ** | ** | н | н | •• | et | |
| Ethylbenzene | ND | 0.50 | ** | ** | н | н | ** | H | |
| m,p-Xylene | ND | 1.0 | 11 | ** | н | Н | ** | н | |
| o-Xylene | ND | 0.50 | 11 | • | и | и | ** | н | |
| Tert-amyl methyl ether | ND | 2.0 | 19 | ** | 14 | n | " | Ħ | |
| Tert-butyl alcohol | ND | 10 | 17 | •• | и | 11 | •• | 41 | |
| Di-isopropyl ether | ND | 2.0 | 11 | 4 | 11 | н | * | н | |
| Ethyl tert-butyl ether | ND | 2.0 | 11 | . # | 19 | 19 | * | н | |
| Methyl tert-butyl ether | 240 | 1.0 | n | ** | ** | n | H | | |
| Gasoline Range Hydrocarbons | ND | 50 | н | Ħ | " | 19 | ** | u | |
| Surrogate: Toluene-d8 | | 106 % | 86- | 115 | " | " | 11 | pt . | |
| Surrogate: 4-Bromofluorobenzene | | 98.8 % | 86- | 115 | " | " | " | rr | |
| Surrogate: Dibromofluoromethane | | 98.2 % | 86- | 118 | " | " | n | п | |

SunStar Laboratories, Inc.

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Gribi Associates 1350 Hayes St. -- Suite C-14 Benicia CA, 94510

Project: Dublin Toyota

Project Number: [none] Project Manager: Jim Gribi Reported: 06/24/04 16:54

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 |
|-----------------------------------|--------|-------------------------------|-------|----------------|------------------|------------|----------------|-----|--------------|-------|
| Batch 4062205 - EPA 5030 Water MS | | | | | | | | | | |
| Blank (4062205-BLK1) | | | | Prepared | & Analyze | d: 06/22/0 |)4 | | | |
| Benzene | ND | 0.50 | ug/l | | | | | | | |
| Toluene | ND | 0.50 | " | | | | | | | |
| Ethylbenzene | ND | 0.50 | ,, | | | | | | | |
| m,p-Xylene | ND | 1.0 | н | | | | | | | |
| o-Xylene | ND | 0.50 | " | | | | | | | |
| Tert-amyl methyl ether | ND | 2.0 | 18 | | | | | | | |
| Tert-butyl alcohol | ND | 10 | 78 | | | | | | | |
| Di-isopropyl ether | ND | 2.0 | ** | | | | | | | |
| Ethyl tert-butyl ether | ND | 2.0 | H | | | | | | | |
| Methyl tert-butyl ether | ND | 1.0 | н | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 50 | u | | | | | | | |
| Surrogate: Toluene-d8 | 44.5 | | " | 40.0 | | 111 | 86-115 | | | |
| Surrogate: 4-Bromofluorobenzene | 38.8 | | n | 40.0 | | 97.0 | 86-115 | | | |
| Surrogate: Dibromofluoromethane | 35.3 | | " | 40.0 | | 88.2 | 86-118 | | | |
| LCS (4062205-BS1) | | Prepared & Analyzed: 06/22/04 | | | | | | | | |
| Benzene | 86.4 | 0.50 | ug/l | 100 | | 86.4 | 75-125 | | | |
| Toluene | 85.9 | 0.50 | н | 100 | | 85.9 | 75-125 | | | |
| Surrogate: Toluene-d8 | 41.3 | | " | 40.0 | | 103 | 86-115 | ·· | | |
| Surrogate: 4-Bromofluorobenzene | 37.3 | | " | 40.0 | | 93.2 | 86-115 | | | |
| Surrogate: Dibromofluoromethane | 41.7 | | " | 40.0 | | 104 | 86-118 | | | |
| Matrix Spike (4062205-MS1) | So | urce: T40067 | 2-01 | Prepared & | & Analyze | d: 06/22/0 |)4 | | | |
| Benzene | 108 | 0.50 | ug/l | 100 | ND | 108 | 75-125 | | | |
| Toluene | 106 | 0.50 | " | 100 | ND | 106 | 75-125 | | | |
| Surrogate: Toluene-d8 | 41.0 | | " | 40.0 | | 102 | 86-115 | | | |
| Surrogate: 4-Bromofluorobenzene | 38.4 | | " | 40.0 | | 96.0 | 86-115 | | | |
| Surrogate: Dibromofluoromethane | 39.7 | | ** | 40.0 | | 99.2 | 86-118 | | | |

SunStar Laboratories, Inc.

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1350 Hayes St. -- Suite C-14

Benicia CA, 94510

Project: Dublin Toyota

Project Number: [none]

Project Manager: Jim Gribi

Reported:

06/24/04 16:54

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

| | Reporting | | | Spike | Source | | %REC | | RPD | |
|-----------------------------------|--------------------|-------|----------|----------|-----------|------|--------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 4062205 - EPA 5030 Water MS | | | | | | | | | | |
| Matrix Spike Dup (4062205-MSD1) | Source: T400672-01 | | | Prepared | & Analyze | | | | | |
| Benzene | 91.8 | 0.50 | ug/l | 100 | ND | 91.8 | 75-125 | 16.2 | 20 | |
| Toluene | 89.6 | 0.50 | H | 100 | ND | 89.6 | 75-125 | 16.8 | 20 | |
| Surrogate: Toluene-d8 | 41.2 | | " | 40.0 | | 103 | 86-115 | | | |
| Surrogate: 4-Bromofluorobenzene | 38.3 | | <i>n</i> | 40.0 | | 95.8 | 86-115 | | | |
| Surrogate: Dibromofluoromethane | 47.3 | | n | 40.0 | | 118 | 86-118 | | | |

SunStar Laboratories, Inc.

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Project: Dublin Toyota

1350 Hayes St. -- Suite C-14

Project Number: [none]

Benicia CA, 94510

Project Manager: Jim Gribi

Reported: 06/24/04 16:54

Notes and Definitions

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

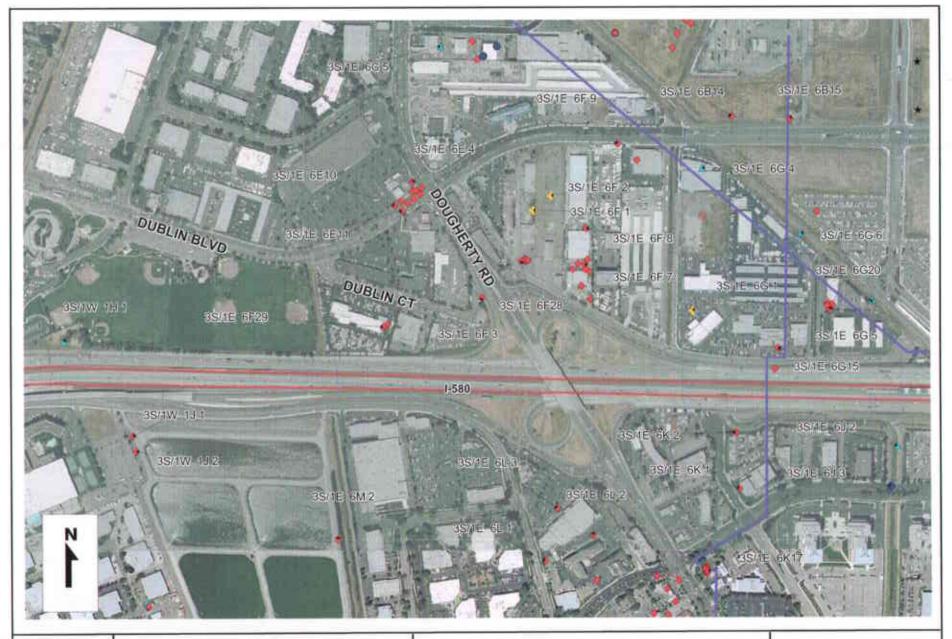
RPD

Relative Percent Difference

SunStar Laboratories, Inc.

< DS ...

APPENDIX C ZONE 7 WELL LOCATION MAP



ZONE 7 WATER AGENCY 5997 PARKSIDE DRIVE PLEASANTON, CA 94588

WELL LOCATION MAP

SCALE: 1"= 550 ft

DATE: 10/15/04

DUBLIN COURT

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