

December 15, 2004

GA Project No. 147-01-03

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

Alameda County

DEC 15 2004

Attention: Robert Schultz

Environmental Health

Subject: Third Quarter 2004 Groundwater Monitoring Report  
Dublin Toyota UST Site  
6450 Dublin Court  
Dublin, California  
Alameda County LOP Site ID No. 699

Ladies and Gentlemen:

Gribi Associates is pleased to submit this Third Quarter 2004 Groundwater Monitoring Report 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 October 16, 2004.

## **DESCRIPTION OF SAMPLING ACTIVITIES**

On October 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 a submersible pump. During purging, temperature, pH, conductivity, and visible clarity were monitored and recorded. Groundwater sampling data sheets for each well are contained in Appendix A.
- After purging parameters had stabilized, groundwater was poured directly into laboratory-supplied 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 ranged from approximately 5.9 feet below surface at monitoring well MW-3 to 7.3 feet below surface at monitoring well MW-1. Groundwater flow directions (see Figure 3) trends in a southwesterly direction and appear to be generally related to surface topography. No significant hydrocarbon odors or hydrocarbon sheens were noted in purged groundwater from the three wells.

### **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 8260B 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 this monitoring event is summarized on Figure 3. The laboratory data report is contained in Appendix B.

**Table 1**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
 Dublin Toyota UST Site

Sample ID	Sample Date	GW Elevation	Concentration (mg/l)											
			TPH-D	TPH-MO	TPH-G	B	T	E	X	TAME	TBA	DIRE	ETBE	MTBE
MW-1	12/15/98	323.15	<0.050	<b>0.110</b>	<b>46</b>	<0.10	<0.10	<0.10	<0.10	--	--	--	--	<b>62</b>
<328.89>	04/06/99	323.80	<0.050	<0.100	<b>45</b>	<0.050	<0.050	<0.050	<0.050	--	--	--	--	<b>86<sup>1</sup></b>
	07/14/99	322.71	<0.050	<0.100	<b>2.8</b>	<0.10	<0.10	<0.10	<0.10	--	--	--	--	<b>65<sup>1</sup></b>
	10/14/99	322.03	<0.050	<0.100	<b>11</b>	<0.017	<0.017	<0.017	<0.017	--	--	--	--	<b>98<sup>1</sup></b>
	08/18/00	321.91	<0.050	<0.100	<b>36</b>	<0.050	<0.050	<0.050	<0.050	--	--	--	--	<b>66<sup>1</sup></b>
	05/29/02	322.47	--	--	<b>29.1</b>	<0.015	<0.015	<0.015	<0.030	<b>0.841</b>	<0.500	<0.100	N0.050	<b>27.8<sup>1</sup></b>
	11/20/02	322.24	--	--	<b>0.110</b>	<0.0005	<0.0005	<0.0005	<0.0010	<0.020	<0.050	<0.020	<0.020	<b>20.0</b>
	04/06/03	322.94	--	--	<b>1.3</b>	<0.0010	<0.0010	<0.0010	<0.0010	<b>0.010</b>	<b>0.360</b>	<0.0020	<b>0.0022</b>	<b>15.0</b>
	07/13/03	322.34	--	--	<b>0.074</b>	<0.0005	<0.0005	<0.0005	<0.0010	<b>0.010</b>	<b>0.042</b>	<0.0050	<0.0050	<b>15.0</b>
	02/11/04	323.15	--	--	<0.050	<0.0005	<0.0005	<0.0005	<0.0010	<b>0.010</b>	<b>0.420</b>	<0.0020	<b>0.0025</b>	<b>34.0</b>
	06/16/04	322.52	--	--	<b>0.180</b>	<0.0005	<0.0005	<0.0005	<0.0010	<b>0.0068</b>	<b>0.290</b>	<0.0020	<0.0020	<b>7.6</b>
	10/16/04	321.60	--	--	<0.050	<0.0005	<0.0005	<0.0005	<0.0010	<0.002	<0.010	<0.002	<0.002	<b>0.043<sup>2</sup></b>
MW-2	12/15/98	323.34	<0.050	<b>0.570</b>	<0.050	<0.00050	<b>0.00090</b>	<0.00050	<b>0.00150</b>	--	--	--	--	<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

**Table 1**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
 Dublin Toyota UST Site

Sample ID	Sample Date	GW Elevation	Concentration (mg/l)											
			TPH-D	TPH-MO	TPH-G	B	T	E	X	TAME	TBA	DIPE	ETBE	MTBE
	08/18/00	321.92	<0.050	<0.100	<0.050	<0.00050	<0.00050	<0.00050	<b>0.0011</b>	--	--	--	--	<b>0.016</b>
	05/29/02	322.46	--	--	<0.050	<0.0003	<0.0003	<0.0003	<b>0.0039</b>	<0.0020	<0.010	<0.0020	<0.0020	<b>0.0026</b>
	11/20/02	322.12	--	--	<b>0.057</b>	<0.0005	<0.0005	<0.0005	<0.0010	<0.020	<0.050	<0.020	<0.020	<b>0.0091</b>
	04/06/03	323.05	--	--	<0.050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.010	<0.0020	<0.0020	<b>0.0057</b>
	07/13/03	322.40	--	--	<0.050	<0.0005	<0.0005	<0.0005	<0.0010	<0.0050	<0.010	<0.0050	<0.0050	<b>0.0065</b>
	02/11/04	323.19	--	--	<0.050	<0.0005	<0.0005	<0.0005	<0.0010	<0.0020	<0.010	<0.0020	<0.0020	<b>0.0085</b>
	06/16/04	322.71	--	--	<0.050	<0.0005	<0.0005	<0.0005	<0.0010	<0.0020	<0.010	<0.0020	<0.0020	<b>0.120</b>
	10/16/04	321.67	--	--	<b>0.078</b>	<0.0005	<0.0005	<0.0005	<0.0010	<b>0.0041</b>	<0.010	<0.0020	<0.0020	<b>6.7<sup>2</sup></b>
<b>MW-3</b>	08/18/00	321.77	<0.050	<0.100	<b>0.210</b>	<0.00050	<b>0.00058</b>	<0.00050	<b>0.00059</b>	--	--	--	--	<b>0.570<sup>1</sup></b>
<327.44>	05/29/02	322.34	--	--	<0.050	<0.0003	<0.0003	<0.0003	<b>0.219</b>	<0.0020	<0.010	<0.0020	<0.0020	<b>0.281</b>
	11/20/02	321.88	--	--	<b>0.200</b>	<0.0005	<0.0005	<0.0005	<0.0010	<0.020	<0.050	<0.020	<0.020	<b>0.460</b>
	04/06/03	322.80	--	--	<b>0.270</b>	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.010	<0.0020	<0.0020	<b>0.340</b>
	07/13/03	321.96	--	--	<0.050	<0.0005	<0.0005	<0.0005	<0.0010	<0.0050	<0.010	<0.0050	<0.0050	<b>0.460</b>
	02/11/04	322.97	--	--	<0.050	<0.0005	<0.0005	<0.0005	<0.0010	<b>0.0022</b>	<b>1.0</b>	<0.0020	<0.0020	<b>4.0</b>
	06/16/04	322.21	--	--	<0.050	<0.0005	<0.0005	<0.0005	<0.0010	<0.0020	<0.010	<0.0020	<0.0020	<b>0.240</b>
	10/16/04	321.52	--	--	<0.050	<0.0005	<0.0005	<0.0005	<0.0010	<0.0020	<0.010	<0.0020	<0.0020	<b>0.210</b>

Table Notes:

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  
NA = 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.  
2 = MW-1 and MW-2 laboratory results reported by Sunstar  
Laboratories appear to be mistakenly switched

**CONCLUSIONS**

Gribi Associates believes that either a sampling error or laboratory error resulted in a laboratory reporting error, whereby lab results for MW-1 and MW-2 were switched. In checking with both our sampling personnel and with Sunstar Laboratories personnel, we have been unable to determine the exact cause of this error; however, during the fourth quarter 2004 sampling, to be conducted in the next two weeks, the project manager, Mr. Jim Gribi, will directly supervise sampling and will inspect all sample labels to insure no sampling errors.

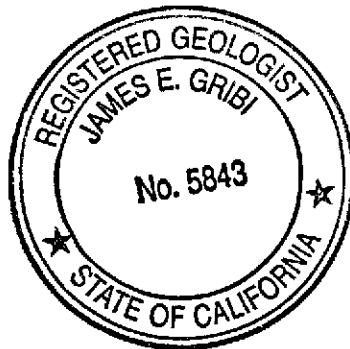
Taking into account the believed reporting error, laboratory analytical results from this monitoring event are similar to previous monitoring events, continuing to show elevated, but decreasing, concentrations of MTBE in groundwater from monitoring well MW-1, and low concentrations of MTBE in groundwater samples from hydraulically downgradient groundwater monitoring well MW-3.

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,



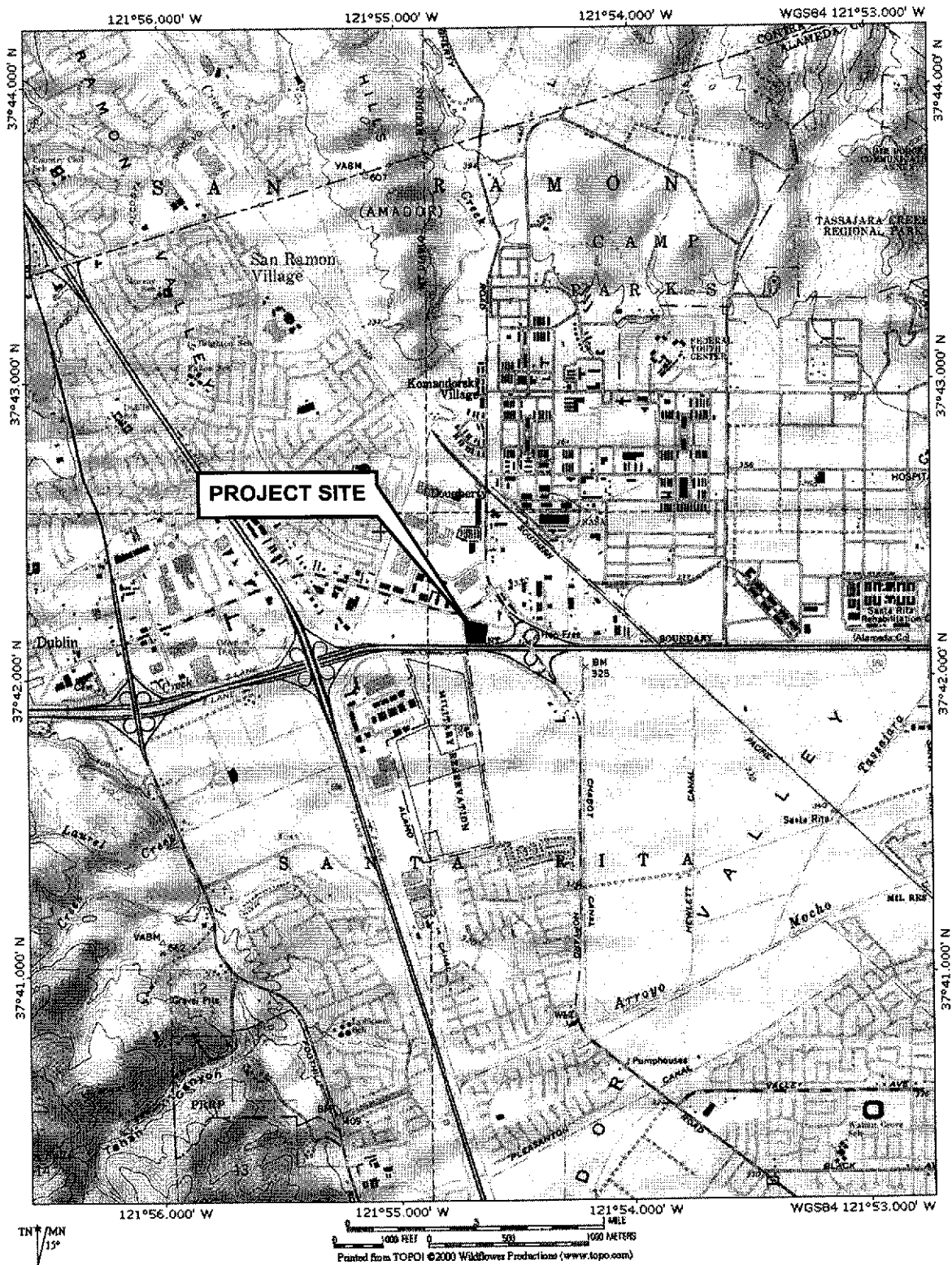
James E. Gribi  
Registered Geologist  
California No. 5843



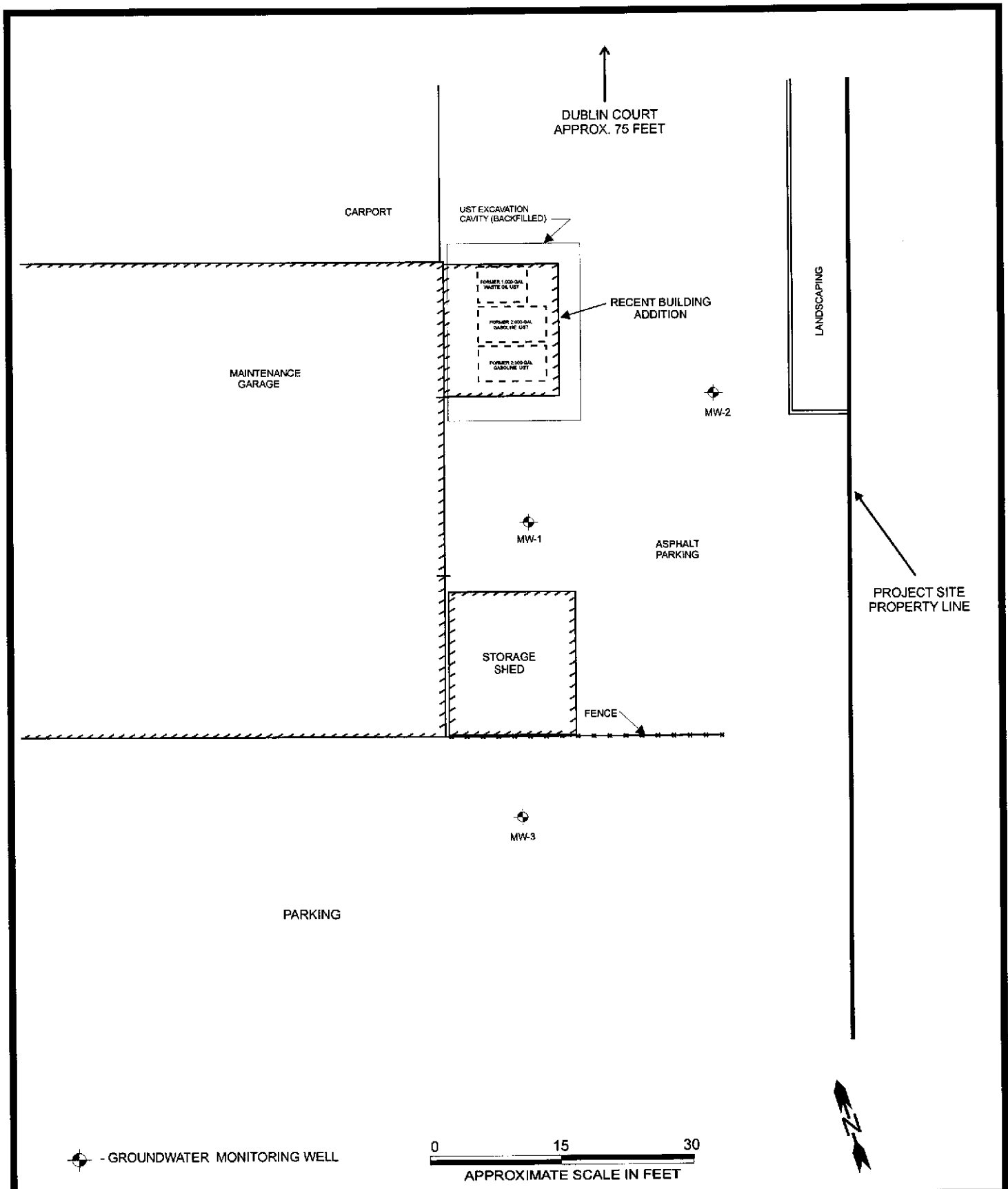
Matthew A. Rosman  
Engineer

Enclosure

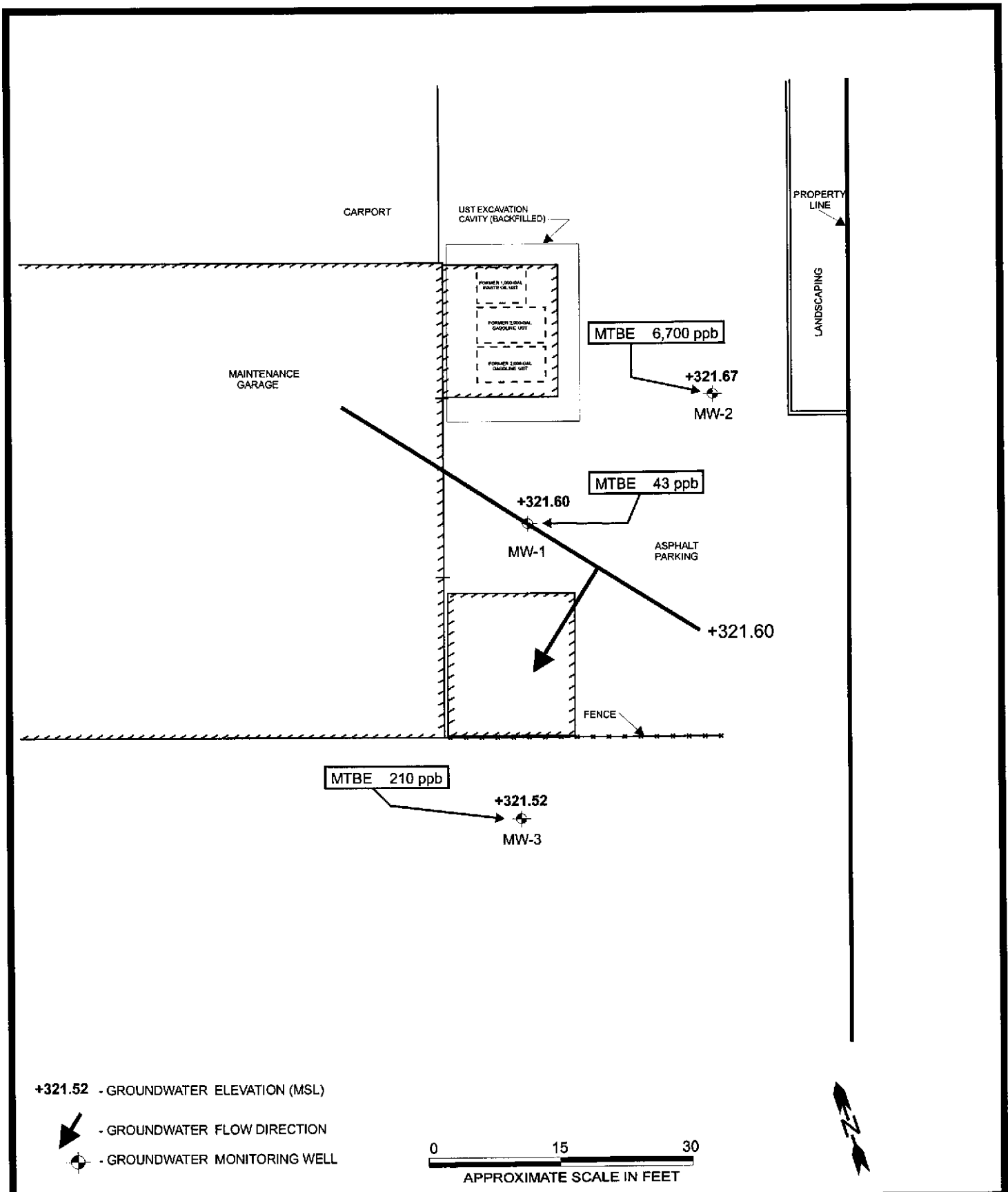
cc: Mr. Scott Anderson, Dublin Toyota



DESIGNED BY:	CHECKED BY:	<b>SITE VICINITY MAP</b>	DATE: 10/18/04	FIGURE: 1
DRAWN BY: EGH	SCALE:		<b>GRIBI Associates</b>	
PROJECT NO: 147-01-01		DUBLIN TOYOTA 6450 DUBLIN COURT DUBLIN, CALIFORNIA		



DESIGNED BY:	CHECKED BY:	<b>SITE PLAN</b>	DATE: 12/10/04	FIGURE: 2
DRAWN BY: MR	SCALE:		<b>GRIBI Associates</b>	
PROJECT NO: 147-01-03		DUBLIN TOYOTA UST SITE 6450 DUBLIN COURT DUBLIN, CALIFORNIA		



DESIGNED BY:	CHECKED BY:	<b>GROUNDWATER GRADIENT &amp; MTBE CONCENTRATIONS, 10-16-04</b> DUBLIN TOYOTA UST SITE 6450 DUBLIN COURT DUBLIN, CALIFORNIA	DATE: 12/10/04	FIGURE: 3
DRAWN BY: MR	SCALE:		<b>GRIBI Associates</b>	
PROJECT NO: 147-01-03				



**APPENDIX A**

**GROUNDWATER MONITORING FIELD DATA RECORDS**

GROUNDWATER SAMPLING RECORD

Sample Location (Well No.): <u>MW-1</u> Sample No.: <u>    </u> Duplicate Sample No.: <u>    </u>	Date: <u>10/16/04</u> Project No.: Address: <b>Dublin Toyota</b> <b>6450 Dublin Court, Dublin, CA.</b>
Casing Diameter: <u>2.00</u> in. Well Depth: <u>20.00</u> ft. Depth to Groundwater: <u>7.29</u> ft. Water Column Height: <u>12.71</u> ft. Purged Volume *: <u>6.2</u> gal.	Purging Method:   Bailer    Pump <input type="checkbox"/> <input checked="" type="checkbox"/> Sampling Method: <input type="checkbox"/> <input checked="" type="checkbox"/> Lab Analysis: <b>Oxygenates</b> No. of Samples: <b>3 x 40-mL VOA w/HCl</b> Laboratory: <b>Sunstar Labs, Inc.</b>

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

Field Measurements

Time	Vol (L)	Temp (°C)	E.C. (mS/cm)	D.O. (mg/l)	pH	ORP (mV)	Remarks
11:52	1	20.63	2.892	0.30	7.00	-121.4	
12:04	3	20.60	2.782	0.18	6.96	-134.6	
12:17	5	20.66	2.764	0.13	6.96	-136.9	
12:30	7	20.67	2.751	0.11	6.96	-137.2	

Sample Observation

	Color:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Remarks: _____
	Clear:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Floating Particles: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	Turbid:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Precipitate: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
<i>Slight</i>	Odor:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Sheen: <i>Slight</i> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Equipment Decontamination

Water Level Meter:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Remarks: _____
Multimeter Probe:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Remarks: _____
Pump:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Remarks: <u>replaced tubing</u>
Tubing:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Remarks: <u>replaced tubing</u>

Sampler: R. Bet-Yonan

Sampling Time: 12:33

GROUNDWATER SAMPLING RECORD

Sample Location (Well No.): <u>MW-2</u>	Date: <u>10/16/04</u>
Sample No: <u>—</u>	Project No.: <u>Dublin Toyota</u>
Duplicate Sample No: <u>—</u>	Address: <u>6450 Dublin Court, Dublin, CA.</u>
Casing Diameter: <u>2.00</u> in.	Purging Method: Bailer <input type="checkbox"/> Pump <input checked="" type="checkbox"/>
Well Depth: <u>20.00</u> ft.	Sampling Method: <input type="checkbox"/> <input checked="" type="checkbox"/>
Depth to Groundwater: <u>5.97</u> ft.	Lab Analysis: <u>Oxygenates</u>
Water Column Height: <u>14.03</u> ft.	No. of Samples: <u>3 x 40-mL VOA w/HCl</u>
Purged Volume *: <u>6.9</u> gal.	Laboratory: <u>Sunstar Labs, Inc.</u>

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

Field Measurements

Time	Vol (L)	Temp (°C)	E.C. (mS/cm)	D.O. (mg/L)	pH	ORP (mv)	Remarks
10:47	1	20.12	1.820	0.31	7.27	-111.8	
10:49	3	20.20	1.798	0.20	7.28	-112.1	
11:13	5	20.14	1.810	0.30	7.28	-109.9	
11:25	7	20.22	1.818	0.15	7.28	-109.5	

Sample Observation

Color: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Remarks: _____
Clear: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Floating Particles: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Turbid: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Precipitate: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
<i>Slight</i> Odor: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Sheen: <i>Slight</i> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Equipment Decontamination

Water Level Meter: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Remarks: _____
Multimeter Probe: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Remarks: _____
Pump: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Remarks: <u>replaced tubing</u>
Tubing: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Remarks: <u>replaced tubing</u>

Sampler: R. Bet-Yonan

Sampling Time: 11:27

**GROUNDWATER SAMPLING RECORD**

**GRIBI Associates**  
Benicia, CA

Sample Location (Well No.): <u>MW-3</u> Sample No.: <u>    </u> Duplicate Sample No.: <u>    </u>	Date: <u>10/16/04</u> Project No.: Address: <b>Dublin Toyota</b> <b>6450 Dublin Court, Dublin, CA.</b>
Casing Diameter: <u>2.00</u> in. Well Depth: <u>19.90</u> ft. Depth to Groundwater: <u>5.92</u> ft. Water Column Height: <u>13.98</u> ft. Purged Volume *: <u>6.8</u> gal.	Purging Method: Bailer <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Sampling Method: <input type="checkbox"/> <input checked="" type="checkbox"/> Lab Analysis: <b>Oxygenates</b> No. of Samples: <b>3 x 40-mL VOA w/HCl</b> Laboratory: <b>Sunstar Labs, Inc.</b>

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

**Field Measurements**

Time	Vol (L)	Temp (°C)	E.C. (mS/cm)	D.O. (%)	pH	ORP (mV)	Remarks
12:59	1	22.69	8.031	0.37	6.95	-44.0	
1:12	3	22.34	6.810	0.17	6.94	-56.6	
1:24	5	22.24	6.443	0.15	6.94	-61.6	
1:36	7	22.25	6.414	0.14	6.94	-62.1	

**Sample Observation**

Color: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Remarks: _____
Clear: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Floating Particles: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Turbid: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Precipitate: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Odor: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Sheen: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

**Equipment Decontamination**

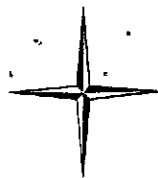
Water Level Meter: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Remarks: _____
Multimeter Probe: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Remarks: _____
Pump: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Remarks: <u>replaced tubing</u>
Tubing: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Remarks: <u>replaced tubing</u>

Sampler: R. Bet-Yonan

Sampling Time: 1:39

**APPENDIX B**

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



# SunStar Laboratories, Inc.

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21 October 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 10/20/04 08:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ben Beauchaine For John Shepler  
Laboratory Director

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

### Chain of Custody Record

Client: Gribi Associates  
 Address: \_\_\_\_\_  
 Phone: 707 748-7743 Fax: 707-748-7763  
 Project Manager: Jim Gribi

Date: 10-19-04 Page: 1 of 1  
 Project Name: Dublin Toyota  
 Collector: Ramin Bet-Yerzin Client Project #: \_\_\_\_\_  
 Batch #: 1401219 EDF #: \_\_\_\_\_

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 S-DXG's only	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline) BTEX	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Laboratory ID #	Comments/Preservative	Total # of containers					
MW-1	10-16-04	12:30	Water	VDA	X					X				01	HCL	1					
MW-2	10-16-04	11:25	"	VDA	X					X				02	HCL	1					
MW-3	10-16-04	1:36	"	VDA	X					X				03	HCL	1					
Relinquished by: (signature) _____ Date / Time <u>10/19/04 9:00</u>					Received by: (signature) <u>Ben Lewis</u> Date / Time <u>10.19.04 9:15</u>					Total # of containers <u>9</u>		Notes									
Relinquished by: (signature) <u>CSO 102004</u> Date / Time <u>8:00</u>					Received by: (signature) <u>J. King</u> Date / Time <u>102004 8:00</u>					Chain of Custody seals Y/N/A _____							Seals intact? Y/N/A _____				
Relinquished by: (signature) _____ Date / Time _____					Received by: (signature) _____ Date / Time _____					Received good condition (circle) <u>42</u>							Turn around time: <u>STND</u>				

Sample disposal instructions: Disposal @ \$2.00 each \_\_\_\_\_ Return to client \_\_\_\_\_ Pickup \_\_\_\_\_

9167146727  
 Bill Hannel  
 Oct 20 04 03:03P

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

Project: Dublin Toyota  
Project Number: [none]  
Project Manager: Jim Gribi

Reported:  
10/21/04 16:28

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	T401219-01	Water	10/16/04 12:30	10/20/04 08:00
MW-2	T401219-02	Water	10/16/04 11:25	10/20/04 08:00
MW-3	T401219-03	Water	10/16/04 13:36	10/20/04 08:00

SunStar Laboratories, Inc.



Ben Beauchaine For John Shepler, Laboratory Director

*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.*



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

Project: Dublin Toyota  
 Project Number: [none]  
 Project Manager: Jim Gribi

Reported:  
 10/21/04 16:28

**MW-1**  
**T401219-01 (Water)**

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

**Purgeable Petroleum Hydrocarbons by EPA 8015m**

GRO C6-C12	ND	50	ug/l	1	4102004	10/20/04	10/20/04	EPA 8015m	
<i>Surrogate: 4-Bromofluorobenzene</i>		87.6 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	0.50	ug/l	1	4102003	10/20/04	10/20/04	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	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>43</b>	<b>1.0</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>"</b>	
<i>Surrogate: Toluene-d8</i>		100 %	86-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.0 %	86-115		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		102 %	86-118		"	"	"	"	

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Ben Beauchaine For John Shepler, Laboratory Director

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

Project: Dublin Toyota  
 Project Number: [none]  
 Project Manager: Jim Gribi

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**MW-2**  
**T401219-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SunStar Laboratories, Inc.</b>									
<b>Purgeable Petroleum Hydrocarbons by EPA 8015m</b>									
<b>GRO C6-C12</b>	<b>78</b>	<b>50</b>	<b>ug/l</b>	<b>1</b>	<b>4102004</b>	<b>10/20/04</b>	<b>10/20/04</b>	<b>EPA 8015m</b>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>83.2 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<b>Volatile Organic Compounds by EPA Method 8260B</b>									
Benzene	ND	0.50	ug/l	1	4102003	10/20/04	10/20/04	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
<b>Tert-amyl methyl ether</b>	<b>4.1</b>	<b>2.0</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>"</b>	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>6700</b>	<b>50</b>	<b>"</b>	<b>50</b>	<b>"</b>	<b>"</b>	<b>10/21/04</b>	<b>"</b>	
<i>Surrogate: Toluene-d8</i>		<i>100 %</i>	<i>86-115</i>		<i>"</i>	<i>"</i>	<i>10/20/04</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>97.0 %</i>	<i>86-115</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Dibromofluoromethane</i>		<i>102 %</i>	<i>86-118</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

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Project: Dublin Toyota  
 Project Number: [none]  
 Project Manager: Jim Gribi

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**MW-3**  
**T401219-03 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Purgeable Petroleum Hydrocarbons by EPA 8015m**

GRO C6-C12	ND	50	ug/l	1	4102004	10/20/04	10/20/04	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		86.0 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	0.50	ug/l	1	4102003	10/20/04	10/20/04	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	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>210</b>	<b>1.0</b>	"	"	"	"	"	"	
Surrogate: Toluene-d8		102 %	86-115		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.0 %	86-115		"	"	"	"	
Surrogate: Dibromofluoromethane		101 %	86-118		"	"	"	"	

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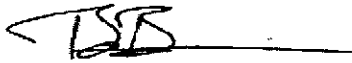
Project: Dublin Toyota  
 Project Number: [none]  
 Project Manager: Jim Gribi

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 4102004 - General Prep VOC-GC</b>										
<b>Blank (4102004-BLK1)</b> Prepared & Analyzed: 10/20/04										
GRO C6-C12	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	44.0		"	50.0		88.0	65-135			
<b>LCS (4102004-BS1)</b> Prepared & Analyzed: 10/20/04										
GRO C6-C12	5500	50	ug/l	5500		100	75-125			
Surrogate: 4-Bromofluorobenzene	44.5		"	50.0		89.0	65-135			
<b>Matrix Spike (4102004-MS1)</b> Source: T401219-01 Prepared & Analyzed: 10/20/04										
GRO C6-C12	5290	50	ug/l	5500	ND	96.2	65-135			
Surrogate: 4-Bromofluorobenzene	43.6		"	50.0		87.2	65-135			
<b>Matrix Spike Dup (4102004-MSD1)</b> Source: T401219-01 Prepared & Analyzed: 10/20/04										
GRO C6-C12	5720	50	ug/l	5500	ND	104	65-135	7.81	20	
Surrogate: 4-Bromofluorobenzene	46.1		"	50.0		92.2	65-135			

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Project: Dublin Toyota  
 Project Number: [none]  
 Project Manager: Jim Gribi

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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 4102003 - EPA 5030 GCMS**

**Blank (4102003-BLK1)**

Prepared & Analyzed: 10/20/04

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	"							
Surrogate: Toluene-d8	40.4		"	40.0		101	86-115			
Surrogate: 4-Bromofluorobenzene	39.1		"	40.0		97.8	86-115			
Surrogate: Dibromofluoromethane	41.6		"	40.0		104	86-118			

**LCS (4102003-BS1)**

Prepared & Analyzed: 10/20/04

Benzene	117	0.50	ug/l	100		117	75-125			
Toluene	118	0.50	"	100		118	75-125			
Surrogate: Toluene-d8	40.1		"	40.0		100	86-115			
Surrogate: 4-Bromofluorobenzene	39.8		"	40.0		99.5	86-115			
Surrogate: Dibromofluoromethane	40.5		"	40.0		101	86-118			

**Matrix Spike (4102003-MS1)**

Source: T401219-01

Prepared & Analyzed: 10/20/04

Benzene	111	0.50	ug/l	100	ND	111	75-125			
Toluene	114	0.50	"	100	ND	114	75-125			
Surrogate: Toluene-d8	40.3		"	40.0		101	86-115			
Surrogate: 4-Bromofluorobenzene	39.7		"	40.0		99.2	86-115			
Surrogate: Dibromofluoromethane	39.4		"	40.0		98.5	86-118			

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Benicia CA, 94510

Project: Dublin Toyota  
Project Number: [none]  
Project Manager: Jim Gribi

Reported:  
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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 4102003 - EPA 5030 GCMS**

**Matrix Spike Dup (4102003-MSD1)**

Source: T401219-01

Prepared & Analyzed: 10/20/04

Benzene	118	0.50	ug/l	100	ND	118	75-125	6.11	20	
Toluene	120	0.50	"	100	ND	120	75-125	5.13	20	
Surrogate: Toluene-d8	39.6		"	40.0		99.0	86-115			
Surrogate: 4-Bromofluorobenzene	38.4		"	40.0		96.0	86-115			
Surrogate: Dibromofluoromethane	40.3		"	40.0		101	86-118			

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### 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

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