### **GRIBI Associates**

### Geological and Environmental Consulting Services

October 20, 2005

GA Project No. 147-01-03

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

Attention:

Ms. Donna Drogos

Subject:

Third Quarter 2005 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 2005 Groundwater Monitoring Report on behalf of Dublin Toyota for the underground storage tank (UST) site located at 6450 Dublin Court in Dublin, California (Figure 1 and Figure 2). This report summarizes groundwater monitoring activities conducted at the site on October 4, 2005.

#### DESCRIPTION OF SAMPLING ACTIVITIES

- 1. Gribi Associates personnel conducted groundwater monitoring activities for all three site wells (MW-1, MW-2 and MW-3) on October 4, 2005.
- 2. Groundwater monitoring was conducted in accordance with California LUFT Field Manual, including the following:
  - a. measuring static water levels;
  - b. checking for presence of free-product;
  - c. and purging of approximately three well volumes while recording of temperature, pH, conductivity, and clarity.
- Collected groundwater samples were placed in an ice-chilled cooler and submitted to a statecertified laboratory for analyses.
- 4. Copies of groundwater sampling field data sheets are provided as Attachment A.

#### RESULTS OF GROUNDWATER MONITORING

#### **Hydrologic Conditions**

- 1. Groundwater depths ranged from approximately 6.0 feet to 7.5 feet at monitoring wells MW-3 and MW-1, respectively.
- 2. Groundwater flow direction is to be to the northeast, though contours are relatively flat.

Ms. Donna Drogos Alameda County Department of Environmental Health October 20, 2005 Page 2

- a. Historically, groundwater flow direction has trended in a southwesterly direction and appears to be generally related to surface topography.
- 3. Free-product was not present in any of the three wells.

### **Laboratory Analytical Results**

- 1. Groundwater samples from the three wells were analyzed for the following parameters with standard method turn around time on results:
  - a. USEPA 8015M Total Petroleum Hydrocarbons as Gasoline (TPH-G)
  - b. USEPA 8260B Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)
  - c. USEPA 8260B Methyl-t-butyl Ether (MTBE)
  - d. USEPA 8260B Oxygenates (TBA, MTBE, DIPE, ETBE, and TAME)
- 2. Groundwater analytical results are summarized in Table 1.
- 3. Groundwater MTBE results for this monitoring event are summarized on Figure 3.
- 4. The laboratory analytical data report and chain-of custody are contained in Attachment B.

### **CONCLUSIONS**

- 1. MTBE concentration in groundwater at monitoring well MW-1 declined to 2,500 ppb after a spike in concentration to 25,000 ppb measured during the previous quarter (Second Quarter 2005).
  - a. The recent MTBE concentration at MW-1 is the lowest historic MTBE groundwater concentrations for the well.
- 2. MTBE groundwater concentrations at monitoring wells MW-2 and MW-3 were similar to previous groundwater monitoring events with concentrations of 5.2 ppb MTBE and 380 ppb, respectively.

#### PLANNED ACTIVITIES

- 1. Gribi Associates plans to perform Aggressive Fluid/Vapor Recovery (AFVR) at newly installed dual phase extraction wells near the source area per the "Interim Remedial Measures (IRM) Workplan" (Gribi Associates, March 2005).
- Gribi Associates plans to perform Fourth Quarter 2005 groundwater monitoring and sampling.
- 3. Gribi Associates submitted an SWI report on June 20, 2005. This report included a proposal to install ten groundwater monitoring wells. Gribi Associates is awaiting approval from Alameda County Department of Environmental Health before implementation of monitoring well installation activities.

Ms. Donna Drogos Alameda County Department of Environmental Health October 20, 2005 Page 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,

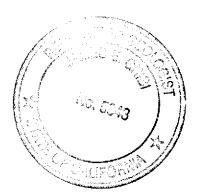
Matthew A. Rosman

Engineer

James E. Gribi Registered Geologist California No. 5843

Enclosure

cc: Mr. Scott Anderson, Dublin Toyota

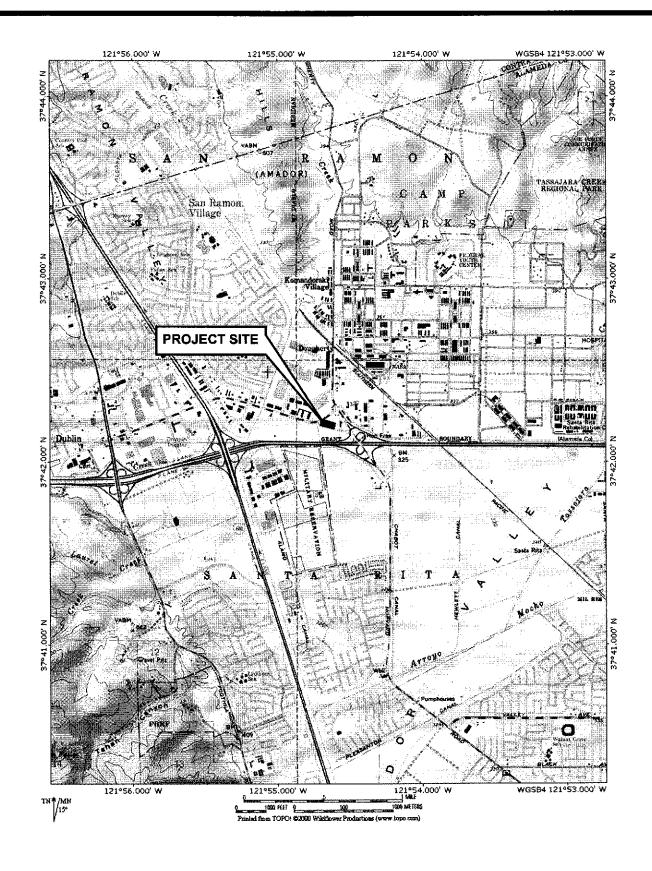


**FIGURES** 

Alameda County

OCT 2 5 2005

Environmental Health



DESIGNED BY:	CHECKED BY:
DRAWN BY: EGH	SCALE:

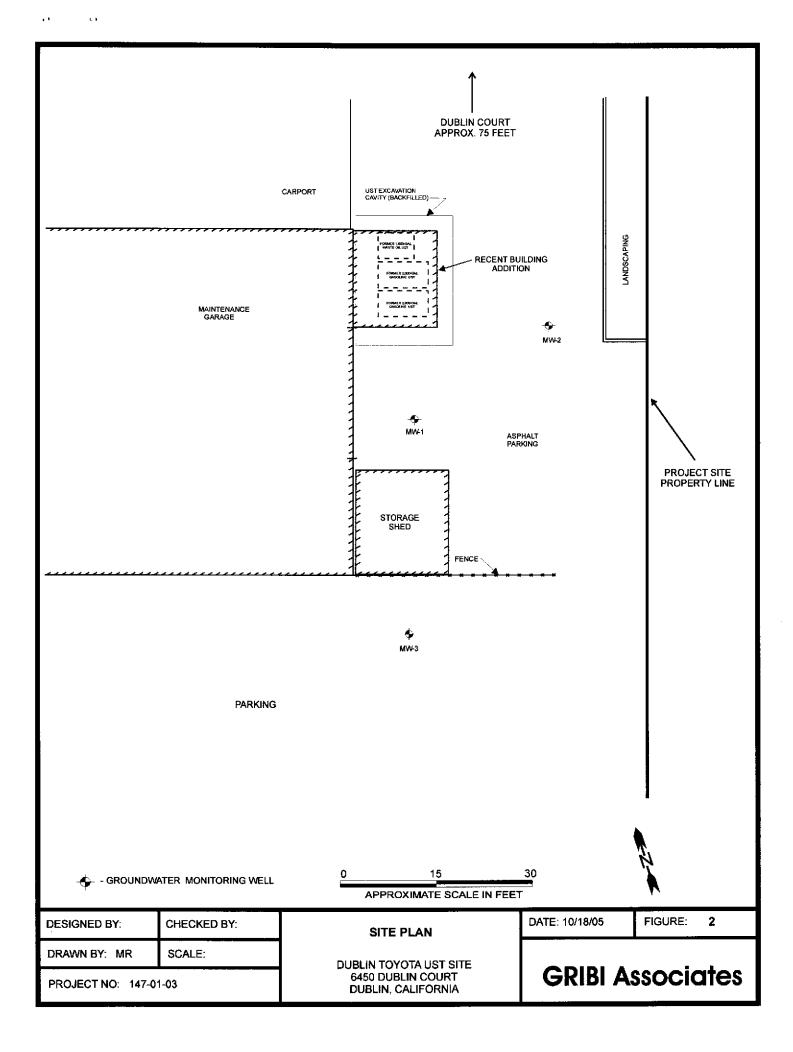
PROJECT NO: 147-01

### SITE VICINITY MAP

DUBLIN TOYOTA 6450 DUBLIN COURT DUBLIN, CALIFORNIA DATE: 05/07/03

FIGURE: 1

**GRIBI Associates** 



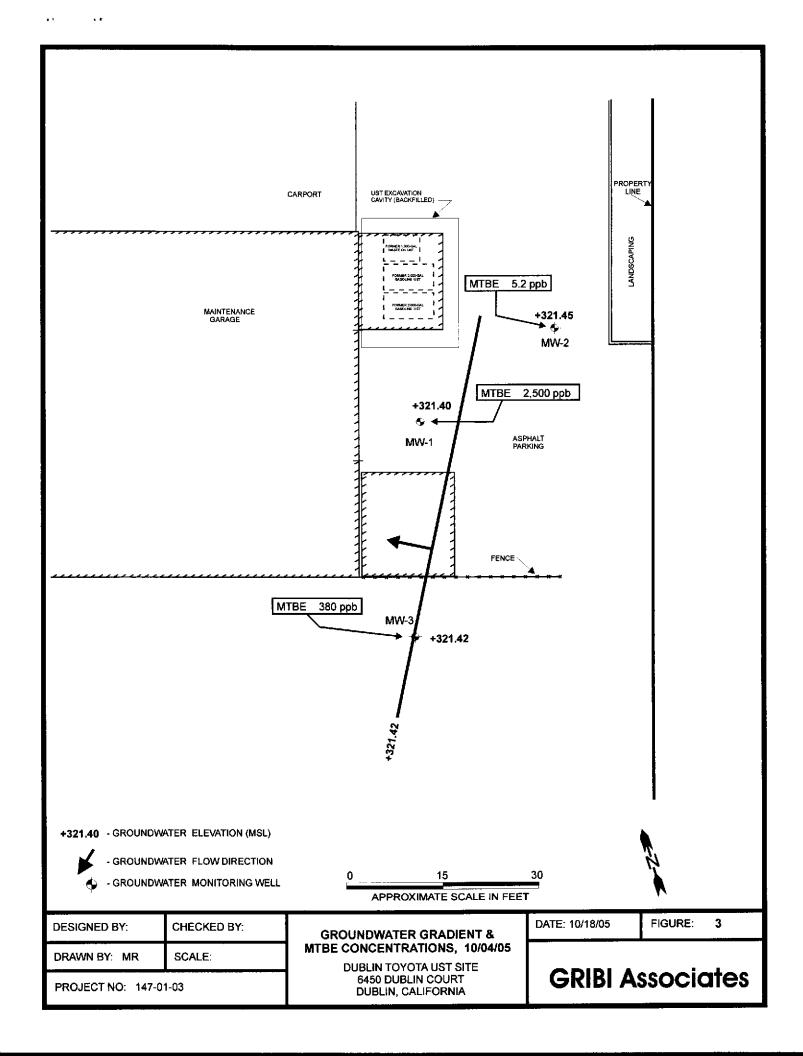


Table 1 SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

	Visit mark	1/1/1/2000	gangan/aga35g63aggggg,363a				NDWATEI lin Toyota I				\$1007 \$55010 000 \$117501 PM	Y1211171217 <b>011</b> 010101010101010000000000000000000		on com change con an open con a com to
Sample	Sample	GW						Concen	tration (µg/l)			NET COMMENT AND A COMMENT AND	and was no part   1111	
ιĎ	Date	Elevation	трн-р	ТРН-МО	TPH-G	В			K.	TAME	TBA	DIPE	ЕТВЕ	мтве
MW-1	12/15/98	323.15	<0.050	110	46,000	<100	<100	<100	<100	_	_	_	-	62,000
<328.89>	04/06/99	323.80	<50	<100	45,000	<50	<50	<50	<50		-	-		86,000¹
	07/14/99	322.71	<50	<100	2,800	<100	<100	<100	<100	-	-		<b>pu</b> .	65,000 <sup>1</sup>
	10/14/99	322.03	<50	<100	11,000	<17	<17	<17	<17	-	-	_		98,000 <sup>1</sup>
	08/18/00	321.91	<50	<100	36,000	<50	<50	<50	<50					66,000¹
	05/29/02	322.47			29,100	<15	<15	<15	<30	841	<500	<100	N50	$27,800^{1}$
	11/20/02	322.24			110	<0.5	<0.5	<0.5	<1.0	<20	<50	<20	<20	20,000
	04/06/03	322.94			1,300	<1.0	<1.0	<1.0	<1.0	10	360	<2.0	2.2	15,000
	07/13/03	322.34			74	<0.5	<0.5	<0.5	<1.0	10	42	<5.0	<5.0	15,000
	02/11/04	323.15			<50	<0.5	<0.5	<0.5	<1.0	10	420	<2.0	2.5	34,000
	06/16/04	322,52			180	<0.5	<0.5	<0.5	<1.0	6.8	290	<2.0	<2.0	7,600
	10/16/04	321.60			<50	< 0.5	<0.5	<0.5	<1.0	<2.0	<10	<2.0	<2.0	6,720
	12/30/04	323.05			92	<0.5	<0.5	<0.5	<1.0	5.2	<10	<2.0	<2.0	2,600
	3/22/05	323.67			<50	<0.5	<0.5	<0.5	<1.0	7.3	<10	<2.0	<2.0	6,900
	6/10/05	322.72			100	< 0.5	<0.5	<0.5	<1.0	9.8	<10	<2.0	<2.0	25,000
	10/04/05	321.40			<50	<0.5	<0.5	<0.5	<1.0	<2.0	<10	<2.0	<2.0	2,500
MW-2	12/15/98	323.34	<50	570	<50	<0.50	0.90	<0.50	1.5	-		b		<5.0
<327.64>	04/06/99	324.22	<50	<100	<50	<0.50	<0.50	<0.50	<0.50	-	-	-		<5.0

Table 1
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Dublin Toyota UST Site

Sample	Sample	GW			di welkerin i			Concen	tration (µg/l)				in in a part	
ΙĐ	Date	Elevation	TPH-D	ТРН-МО	TPH-G	B	7	E	,X	TAME	ТВА	DIPE	ETBE	MTBE
	7/14/99	322.88	<50	<100	<50	< 0.50	<0.50	< 0.50	< 0.50	-	-			<5.0
	10/14/99	322.16	<50	<100	<50	< 0.50	<0.50	<0.50	<0.50			-	-	<5.0
	08/18/00	321.92	<50	<100	<50	< 0.50	< 0.50	< 0.50	1.1		<b>μ=</b>	-		16
	05/29/02	322.46			<50	<0.3	<0.3	<0.3	3.9	<2.0	<10	<2.0	<2.0	2.6
	11/20/02	322.12			57	<0.5	<0.5	<0.5	<1.0	<20	<50	<20	<20	9.1
	04/06/03	323.05			<50	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	5.7
	07/13/03	322.40			<50	<0.5	<0.5	<0.5	<1.0	<5.0	<10	<5.0	<5.0	6.5
	02/11/04	323.19			<50	<0.5	<0.5	<0.5	<1.0	<2.0	<10	<2.0	<2.0	8.5
	06/16/04	322.71			<50	<0.5	<0.5	<0.5	<1.0	<2.0	<10	<2.0	<2.0	120
	10/16/04	321.67			78	<0.5	<0.5	<0.5	<1.0	4.1	<10	<2.0	<2.0	43.2
	12/30/04	322.90			<50	<0.5	<0.5	<0.5	<1.0	4.1	<10	<2.0	<2.0	14
	3/22/05	323.78			<50	<0.5	<0.5	<0.5	<1.0	<2.0	<10	<2.0	<2.0	13
	6/10/05	322.81			<50	<0.5	<0.5	<0.5	<1.0	<2.0	<10	<2.0	<2.0	14
	10/04/05	321.45			<50	<0.5	<0.5	<0.5	<1.0	<2.0	<10	<2.0	<2.0	5.2
MW-3	08/18/00	321.77	<50	<100	210	<0.50	0.58	< 0.50	0.59	-	-			570¹
<327.44>	05/29/02	322.34			<50	<0.3	<0.3	<0.3	219	<2.0	<10	<2.0	<2.0	281
	11/20/02	321.88			200	<0.5	<0.5	<0.5	<1.0	<20	<50	<20	<20	460
	04/06/03	322.80			270	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	340

Table 1
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Dublin Toyota UST Site

Sample Sample	GW	Page Line			Party Comment of the		Concer	ntration (µg/l)		(1) Columbia	le esteccionicolo El concepto de		
ID Date	Elevation	TPH-D	трн-мо	ТРН-G	B	7	E	¥	TAME	ТВА	DIPE	ETBE	MTBE
07/13/0	3 321.96			<50	<0.5	<0.5	<0.5	<1.0	<5.0	<10	<5.0	<5.0	460
02/11/0	4 322.97			<50	<0.5	<0.5	<0.5	<1.0	2.2	1,000	<2.0	<2.0	4,000
06/16/0	4 322.21	n +		<50	<0.5	< 0.5	<0.5	<1.0	<2.0	<10	<2.0	<2.0	240
10/16/0	4 321.52			<50	<0.5	<0.5	<0.5	<1.0	<2.0	<10	<2.0	<2.0	210
12/30/0	4 322.90			<50	<0.5	<0.5	<0.5	<1.0	<2.0	120	<2.0	<2.0	190
3/22/0:	323.54			<50	<0.5	<0.5	<0.5	<1.0	<2.0	<10	<2.0	<2.0	210
6/10/0:	322.61			<50	<0.5	<0.5	<0.5	<1.0	<2.0	<10	<2.0	<2.0	230
10/04/0	5 321.42			<50	<0.5	<0.5	<0.5	<1.0	<2.0	<10	<2.0	<2.0	380

#### 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. This has been corrected herein.

# ATTACHMENT A GROUNDWATER MONITORING FIELD DATA RECORDS

Site:	Dublin Toyota
Personnel:	M. Rosman
Weather Conditions:	clear, mild

Project No: 147-010-03

Date: 10/04/05

Well ID	Depth to Groundwater & (feet)	Casing Elevation (msl)	Groundwater Elevation (msl)	Total Well Depth (feet)	Well Box Conditions
MW-1	7.49	328.89	321.40	20.0	Fore
MW-2	6.19	327.64	321.45	20.0	Fine. filled w/ water fine
MW-3	6.02	327.44	321.42	20.0	fine
	_				
ed.					:

### Groundwater Monitoring Field Sheet

810 San 7.57	mpling Person ather Condition	Site Dub, mel M. Ra ons Clear	lih v	1840) 21	k			Project No.	147-01-03 1400 10/0
Z, 5  Dep  Wa  S D 3X Well Notes: One Well N	Well ) oth to Water (: iter Column (i	(D) MW (ft) 7.4 (ft) 12	9			Оле W	Total Vell Vol	er (inches) Depth (ft)	Z''
Field Met	thods (chec		ate bo	DX)	101 3 Inch	m by: well, 0.	66 for 4	inch well, 1.5	o for 6 inch well
Purge Meth Sample Met					ump X	/2	1 0	Comme	nts
			X				PA	irga Pu	N
Field Para									
Time 1350	Volume Purged (gal)	Temp. (Celsius)	(mS/cm)		D.O. (mg/L)	<del></del>	pН	ORP (mv)	Comments
	4	20.70	2.3		1.22	13	.39	23.3	·
1359	8	20.06 19.89	2/	88	1.39	7.	35 30	-34.6 -32.6	
L				-3-	1.52	<del>  Z.</del>	2-7	-29.1	
Sample Obs	ervations								
Characteristi Color	c None	Slight		1oderai		·			
l cotor	X				e Stroi	ng		Comm	ents
Odor	1 1/								
Odor Turbidin	<del>-                                     </del>		- 1						
Turbidity	1 2		+						
Turbidity Sheen	X		+		+	_			
Turbidity	X		+			+			

GRIBI Associates

 $\mathcal{I}_{1,2}^{g_1, \log_g}$ 

Sampler's Signature Manager

### Groundwater Monitoring Field Sheet

1		Si	7-4/1//	n Toyo	L						
910	Sam	pling Personne	el M. Te	asman	19	]	Project No.	147-01-03			
26.3	Wear	ther Condition	is Clear	imi/	7		Date	10/04/05			
(3.8, 2, 5), X 3 28	Wat  3X Well  Notes: One Well Ve  0.059 for  Field Metl	Well II th to Water (fiver Column (fiver Column (gal) blume is determined well, which well with the	$ \begin{array}{c} M\omega \\ 6.79 \\ -3.89 \\ -8 \\ \hline \end{array} $ mined by multiplication of the properties of	tiplying "\		One Well Vol	Depth (ft)	for 6 inch well			
		· ruy	Bailer	1 -	Pump	Ţ <del></del>					
	Purge Metho				y	<del> </del>	Commen	ts			
	Sample Met	hod	K			12V A	linge Plin,				
	Field Para	metors									
\$	Time 1307	6	1000	E.C. (mS/cm) 1.719 1.715 1.729	D.O. (mg/L) 7.60 5.05 4.21 3.72	7.67	ORP (mv) -58./ -44.5 -36.4	Comments			
<u> </u>	ample Obs Characteristi Color	ervations  c None	Slight	Moder	rate Stre	ong	Commo				
0	dor	Ŷ		<del></del>			Commi	ents			
T	urbidity	12	<del></del>								
Sł	heen	12	<del> </del>								
Fl. Pa	oating articles	X		<del> </del>	-						
Pro	ecipitate	X	<del> </del>	<del> </del>							
	Sample	Time /3	20	3	Sampler's	Signature	MP				

**GRIBI Associates** 

## Groundwater Monitoring Field Sheet

74.0 Samp. (. L Weath	Si ling Personn ter Condition	$e_1 M D_{-}$	man mild		F	Project No Date _	10/04/05
Water 3X Well v Notes: One Well Vol • 0.059 for 3	Well II to Water (fit r Column (fit Volume (gal) ume is deter inch well,	19.07 14.0 mined by multiple 0.17 for 2 inch w	lying "Wa		One Well Volu	Depth (ft)	ン '
Activ	ity	appropriate b	<del></del>				o to: o men well
Purge Method	_	Datter		ımp		Comme	ente.
Sample Metho	od	V	<del>                                     </del>		150 K	urge f	?
Field Param	eters		-L				45/
Time /328	Volume Purged (gal)  2	Celsius) (m 24.30 5 23.90 6 22.48 6.8	E.C. 18/cm) -S07 /S0 352	D.O. (mg/L) 5.20 4.99 4.49 4.05		ORP (mv) [7, 4 26.4 27.7 30.3	Comments  Forbid  Closing
Sample Obser  Characteristic  Color	None None	Slight	Moderate	Stron			
Odor	<del> </del>	<del>                                     </del>	X			Comm	ents
Turbidity	<del> </del>	<del> </del>			<i>S#</i>	15c, + 9	irey
Sheen	X	<del>  -</del>	X	-			
Floating Particles	Y	-					
Precipitate	V	-					
Sample Ti	me /3	40	San	npler's S	ignature _	MAR	

GRIBI Associates

### ATTACHMENT B

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



# SunStar Laboratories, Inc.

11 October 2005

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

RE: Dublin Toyota

Enclosed are the results of analyses for samples received by the laboratory on 10/07/05 09:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

### **Chain of Custody Record**

SunStar Laboratories, Inc. 3002 Dow Ave, Suite 212 Tustin, CA 92780 1-800-781-6777



Client: GRIBI ASSOCIATES	Date: 10/06/2005	Page: 1 Of 1
Address: 1090 ADAMS STREET, SUITE K	Project Name: DUBLIN TOYOTA	
Phone: (707) 748-7743 Fax: (707) 748-7763	Collector: MATTHEW ROSMAN	Client Project #: 147-01-03
Project Manager: JAMES GRIBI	Batch #:	Proposal #:
MW-1 /0/09/05 /905 Water VOA X  MW-2 /32D Water VOA X  MW-3 /34D Water VOA X  Relinquished by: (signature) Date / Time Received by: (signature) Date / Time Rec	te / Time  Total # of containers Chain of Custody seals Y/N/MA Seals intact? Y/N/MA	Comments HCI HCI HCI 4 Notes  Notes

Gribi Associates 1090 Adam Street, Suite K Rapicia CA, 94510 Project: Dublin Toyota Project Number: 147-01-03 Project Manager: Jim Gribi

Reported: 10/11/05 12:07

Benicia CA, 94510

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	T501181-01	Water	10/04/05 14:05	10/07/05 09:30
MW-2	T501181-02	Water	10/04/05 13:20	10/07/05 09:30
MW-3	T501181-03	Water	10/04/05 13:40	10/07/05 09:30

SunStar Laboratories, Inc.

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

4 45 WY

Gribi Associates

1090 Adam Street, Suite K Benicia CA, 94510 Project: Dublin Toyota

Project Number: 147-01-03 Project Manager: Jim Gribi Reported: 10/11/05 12:07

### MW-1 T501181-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar La	borato	ries, Inc.					
Purgeable Petroleum Hydrocarbons	s by EPA 8015m								
C6-C12 (GRO)	ND	50	ug/l	J	5100710	10/07/05	10/07/05	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		108 %	6.5-	135	H	n	и	n	
Volatile Organic Compounds by EF	A Method 8260	В							
Benzene	ND	0.50	ug/l	]	5100711	10/07/05	10/07/05	EPA 8260B	
Toluene	ND	0.50	**	11	"	н	п	***	
Ethylbenzene	ND	0.50	**	11	#	n	и	11	
m,p-Xylene	ND	1.0	**	U	11	Ħ	II	н	
o-Xylene	ND	0.50	*1		n	Ħ	п	15	
Tert-amyl methyl ether	ND	2,0	**	u	11	и	II .	**	
Tert-butyl alcohol	ND	10	11	II.	11	n	II	H	
Di-isopropyl ether	ND	2.0	11	U	#	ų	u	12	
Ethyl tert-butyl ether	ND	2.0	It	п	u	ii.	11	"	
Methyl tert-butyl ether	2500	50	**	50	"	11	10/10/05	,,	
Surrogate: Toluene-d8		104 %	87.6	5-115	u	"	10/07/05	n	
Surrogate: 4-Bromofluorobenzene		110 %	80-	112	u	u	n.	n	
Surrogate: Dibromofluoromethane		103 %	78. <i>6</i>	S-122	н	"	n	"	

SunStar Laboratories, Inc.

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

Gribi Associates

1090 Adam Street, Suite K Benicia CA, 94510 Project: Dublin Toyota

Project Number: 147-01-03 Project Manager: Jim Gribi Reported: 10/11/05 12:07

### MW-2 T501181-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	iboratoi	ries, Inc.					
Purgeable Petroleum Hydrocarbon	s by EPA 8015m								
C6-C12 (GRO)	ND	50	ug/l_	1	5100710	10/07/05	10/07/05	EPA 8015m	<del></del>
Surrogate: 4-Bromofluorobenzene		119 %	65-	-135	"	"	11	"	
Volatile Organic Compounds by El	PA Method 8260)	В							
Benzene	ND	0.50	ug/l	1	5100711	10/07/05	10/07/05	EPA 8260B	
Toluene	ND	0.50	ŧī	**	"	**	1*		
Ethylbenzene	ND	0.50	7.5	11	II.	11	II	"	
m,p-Xylene	ND	1.0	+1	H	п	п	ч	"	
o-Xylene	ND	0.50	11	U	ш	II	Ħ	Ħ	
Tert-amyl methyl ether	ND	2.0	10	11	"	11	**	U	
Tert-butyl alcohol	ND	10	n	D	+1	**	n	"	
Di-isopropyl ether	ND	2.0	17	Ħ	U	II	II	н	
Ethyl tert-butyl ether	ND	2.0	11	D	II.	"	Ħ	н	
Methyl tert-butyl ether	5,2	1.0	и		**	**	"	, p	
Surrogate: Toluene-d8		99.8 %	87.0	6-115	и	н	H	"	
Surrogate: 4-Bromofluorobenzene		110 %	80	)- <i>112</i>	#	r	»	ti	
Surrogate: Dibromofluoromethane		104 %	<i>78.</i> .	6-122	"	"	n	"	

SunStar Laboratories, Inc.

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Gribi Associates

1090 Adam Street, Suite K

Benicia CA, 94510

Project: Dublin Toyota

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

Reported: 10/11/05 12:07

MW-3 T501181-03 (Water)

	13011b1-03 (Water)											
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note			
		SunStar La	aborato	ries, Inc.								
Purgeable Petroleum Hydrocarbon	ns by EPA 8015n	n		·								
C6-C12 (GRO)	ND	50	ug/l	1	5100710	10/07/05	10/07/05	EPA 8015m				
Surrogate: 4-Bromofluorobenzene		113 %		135	"	"	"	ELY 9012III				
Volatile Organic Compounds by E	PA Method 8260											
Benzene	ND	0.50	ug/l	1	5100711	10/07/05	10/07/05	ED4 83/0D	<del></del>			
Toluene	ND	0.50	n. GP. I	) i	J100711	10/0//00	10/07/03 n	EPA 8260B				
Ethylbenzene	ND	0.50	п	н	"	11	"	a a				
m,p-Xylene	ND	1.0	*1		**	"	,,					
o-Xylene	ND	0.50	ír.	e	11	п	N	ы				
Tert-amyl methyl ether	ND	2.0	6	п	Ħ	"	II.	u.				
Tert-butyl alcohol	ND	10	It	"	п	**	17	Ħ				
Di-isopropyl ether	ND	2.0		**	11	N,	**					
Ethyl tert-butyl ether	ND	2.0	**	**	**	u	H	17				
Methyl tert-butyl ether	380	1.0	11	"	11	u u	u	 H				
Surrogate: Toluene-d8		99.2 %	87.6	-115	"		"	#				
Surrogate: 4-Bromofluorobenzene		110%	80-		n	"	n	ri .				
Surrogate: Dibromofluoromethane		100 %	78.6		"	"	**	v				

SunStar Laboratories, Inc.

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Gribi Associates 1090 Adam Street, Suite K

Benicia CA, 94510

Project: Dublin Toyota Project Number: 147-01-03

Project Manager: Jim Gribi

Reported: 10/11/05 12:07

## 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
Batch 5100710 - EPA 5030 GC										
Blank (5100710-BLK1)	<u>.</u>			Prepared	& Analyz	ed: 10/07/				
Surrogate: 4-Bromofluorobenzene C6-C12 (GRO)	. 58.7 ND	50	ug/l	50.0		117	65-135			
LCS (5100710-BS1)				Prepared	& Analyz	ed: 10/07/	05			
Surrogate: 4-Bromofluorobenzene C6-C12 (GRO)	<i>50.8</i> 6440	50	ug/l	50.0 5500		102 117	65-135 75-125			
Matrix Spike (5100710-MS1)	So	urce: T5011	81-02	Prepared						
Surrogate: 4-Bromofluorobenzene C6-C12 (GRO)	56.5 6120	50	ug/l	50.0 5500	ND	113 111	65-135 65-135			
Matrix Spike Dup (5100710-MSD1)	So	urce: T5011	81-02	Prepared	& Analyz	zed: 10/07				
Surrogate: 4-Bromofluorobenzene C6-C12 (GRO)	<i>56.1</i> 6260	50	ug/l "	<i>50.0</i> 5500	ND	112 114	65-135 65-135	2.26	20	

SunStar Laboratories, Inc.

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Gribi Associates

1090 Adam Street, Suite K Benicia CA, 94510 Project: Dublin Toyota

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

Reported: 10/11/05 12:07

# 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 5100711 - EPA 5030 GCMS										
Blank (5100711-BLK1)				Prenared	& Analyz	ad: 10/07	10.5		<u> </u>	
Surrogate: Toluene-d8	39.7				& Allaryzi		<del></del>			
Surrogate: 4-Bromofluorobenzene	44.0		ug/l "	40.0		99.2	87.6-115			
Surrogate: Dibromofluoromethane	39.4		"	40.0		110	80-112			
Benzene	ND	0.50	**	40.0		98.5	78.6-122			
Toluene	ND	0.50								
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND		,,							
o-Xylene	ND	1.0	"							
Tert-amyl methyl ether	ND	0.50								
Tert-butyl alcohol	ND ND	2.0	"							
Di-isopropyl ether		10	1,							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND ND	2.0 1.0	"							
LCS (5100711-BS1)		•••		Dronggod 6	D. A 1	1 10/07/	^=			
Surrogate: Toluene-d8	40.4			Prepared &	Anaryze		J5			
Surrogate: 4-Bromofluorobenzene	40.4 44.0		ug/l	40.0		101	87.6-115			
Surrogate: Dibromofluoromethane	44.U 41.1		"	40.0		110	80-112			
Benzene	41.1 114	0.50	"	40.0		103	78.6-122			
Toluene	114	0.50	"	100		114	75-125			
	112	0.50	£1	100		112	75-125			
Matrix Spike (5100711-MS1)	Sou	rce: T501181	-02	Prepared &	. Analyzea	1: 10/07/0	15			
Surrogate: Tohiene-d8	41.0		ug/l	40.0				<del></del>		<del></del>
Surrogate: 4-Bromofluorobenzene	45.0		ug/i	40.0		102	87.6-115			
Surrogate: Dibromofluoromethane	42.1		,,	40.0		112	80-112			
Benzene	121	0.50		100	ND	105	78.6-122			
Toluene	120	0.50	tr.	100	ND ND	121 120	75-125 75-125			

SunStar Laboratories, Inc.

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Service Discourse

Gribi Associates

1090 Adam Street, Suite K Benicia CA, 94510 Project: Dublin Toyota

Project Number: 147-01-03 Project Manager: Jim Gribi Reported: 10/11/05 12:07

### 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 5100711 - EPA 5030 GCMS

Matrix Spike Dup (5100711-MSD1)	Sour	ce: T50118	1-02	Prepared &						
Surrogate: Toluene-d8	40.2		ug/l	40.0		100	87.6-115			
Surrogate: 4-Bromofluorobenzene	43.5		U	40.0		109	80-112			
Surrogate: Dibromofluoromethane	41.8		н	<b>40</b> .0		104	78.6-122			
Benzene	120	0.50	**	100	ND	120	75-125	0.830	20	
Toluene	119	0.50	11	100	ND	119	75-125	0.837	20	

SunStar Laboratories, Inc.

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Gribi Associates

Project: Dublin Toyota

1090 Adam Street, Suite K

Project Number: 147-01-03

Reported:

Benicia CA, 94510

Project Manager: Jim Gribi 10/11/05 12:07

### 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.

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