



ENVIRONMENTAL  
PROTECTION

98 DEC 10 PM 3:56

Mr. Scott Seery, CHMM  
Hazardous Materials Specialist  
Alameda County Health Care Services  
Hazardous Materials Division  
1131 Harbor Bay Parkway, 2nd Floor  
Oakland, CA 94502

December 07, 1998

RE: Soil investigation around former underground tank location at  
Oliver Trust Farms, 28905 Hesperian Boulevard, Hayward, CA.

Dear Mr. Seery;

H<sub>2</sub>OGEOL is submitting this report for soil investigation around the former underground tank location at Oliver Trust Farms, 28905 Hesperian Boulevard, Hayward, California (Figure 1) on behalf of DECON Environmental Services, Inc. and Oliver Trust.

Soil and groundwater sampling occurred on November 13, 1998 at the three locations (B5R, B6, and B7) shown in Figure 2. Soil and groundwater samples were collected following the procedures outlined in the August 28, 1998 workplan and in the November 10th and 12th revisions. Borehole lithologic logs are included in Attachment A. Groundwater sampling activities are documented on Field Data Sheets contained in Attachment B. As per the above referenced documents, soil and groundwater samples were delivered under chain-of-custody documentation to Chromalab, Inc. (certification number is 1094) of Pleasanton, California, for analysis by U.S. EPA Method 8015M/8020 for TPH-G and BTEX; U.S. EPA Method 8260 for MTBE; and U.S. EPA Method 160.1 for total dissolved solids (groundwater only). The Chromalab, Inc. Laboratory analytical reports are included in Attachment C and the results are summarized in Table 1.

Augerhole B5R was located outside the building along the wall adjacent to the former underground tank location. Samples from augerhole B5R were the only samples collected that reported positive for petroleum hydrocarbon compounds (Table 1). Soil from augerhole B5R contained 1.4 mg/Kg TPH-gasoline, 0.0068 mg/Kg benzene, and 1.2 mg/Kg MTBE. The sample from 10 feet was reported as containing 0.022 mg/Kg MTBE. Augerholes B6 and B7 are across the access road and were reported as "N.D." for all analyzed petroleum hydrocarbon compounds (Table 1).

Mr. Scott Seery  
December 07, 1998  
Page 2

Groundwater collected from the three augerholes represents three distinct situations. Groundwater was first encountered in augerhole B5R at a depth of 3.8 feet, in augerhole B6 at a depth of 6.3 feet, and in augerhole B7 at a depth of 3.75 feet. Augerhole B5R and B7 first encountered groundwater in a shallow clayey sandy silt. At B5R the yield to the augerhole was substantial and at B7 the yield was very minimal. The first encountered ground at B5R is thought to be in direct communication with the tank removal excavation and was reported as containing 7,800 mg/L total dissolved solids. Groundwater from augerhole B5R was reported to contain: TPH-gasoline, 1.5 mg/L; benzene, 0.130 mg/L; toluene, 0.056 mg/L; ethylbenzene, 0.029 mg/L; total xylene isomers, 0.095 mg/L; and MTBE 6.5 mg/L.

The first groundwater encountered at augerhole B6 was at the depth at which a decomposed wood was encountered. The yield of groundwater to the augerhole was minimal. The second encountered groundwater was at a depth of 11.55 feet and was under confined conditions, rising to a depth of 6.8 feet in a short lapse of time. The concentration of total dissolved solids was reported as 49,000 mg/L. Petroleum hydrocarbon constituents were not reported from augerhole B6 groundwater.

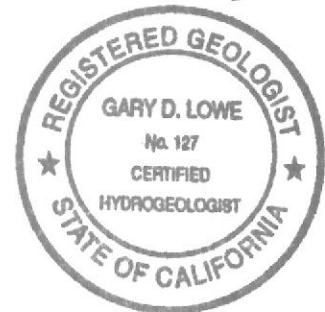
Augerhole B7 could not be advanced deeper than 10.5 feet and was terminated in a very sticky clay. Additional groundwater inflow was also encountered at about this depth. The total dissolved solids reported for the water collected from augerhole B7 was 21,000 mg/L, possibly representing a mix of the two observed water yielding intervals. Petroleum hydrocarbon constituents were not reported from augerhole B7 groundwater.

Please do not hesitate to call me at (925) 373-9211 should you have any questions.

Sincerely,



Gary D. Lowe, R.G., C.E.G., C.HG.  
Principal, Hydrogeologist

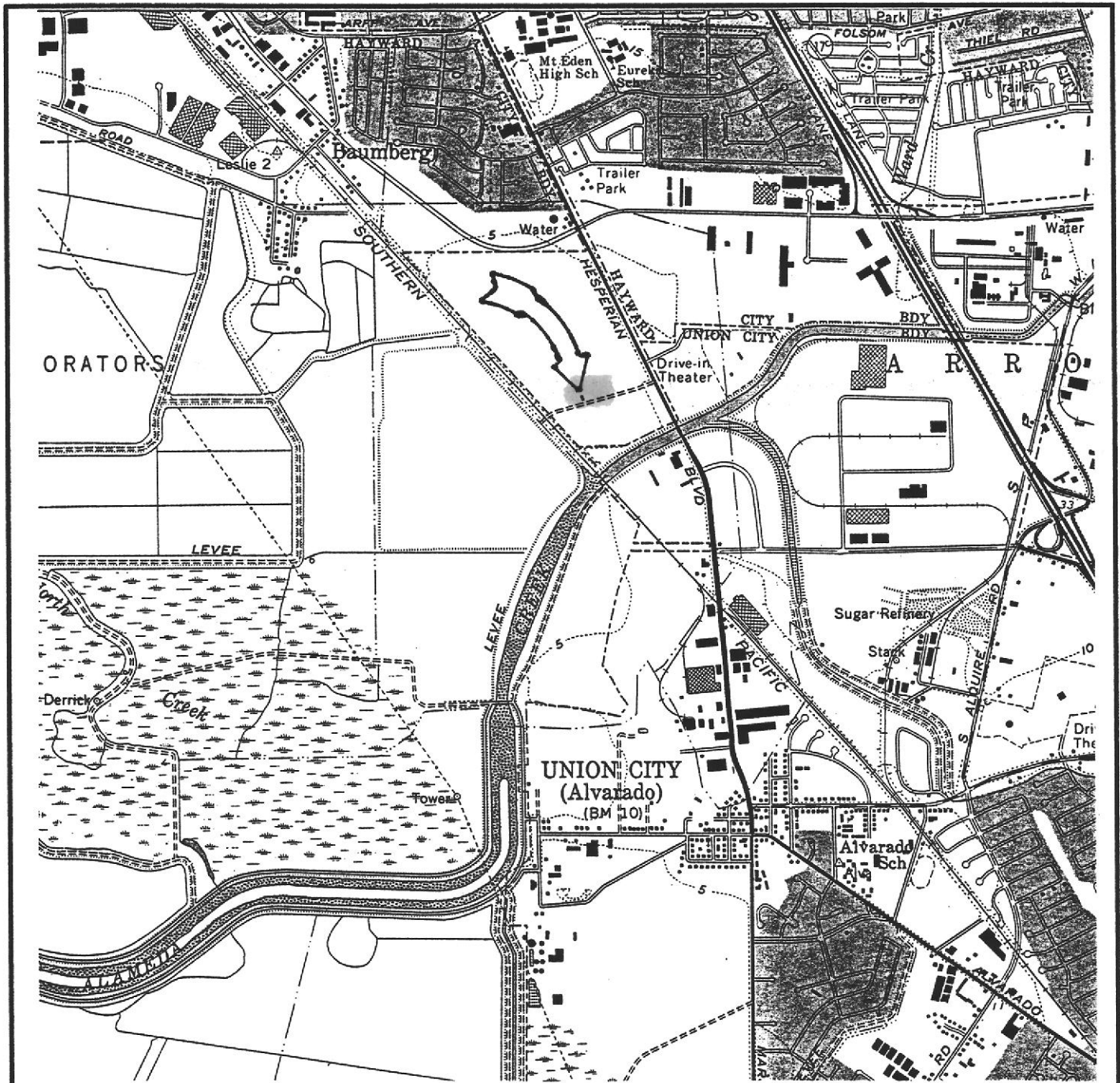


xc: Mr. Ray Maiden, DECON Environmental Services, Inc.

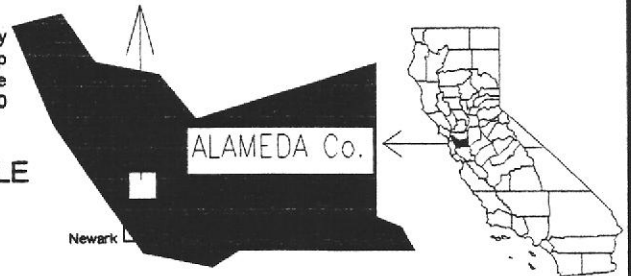
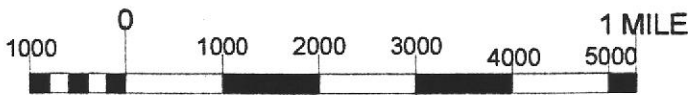
TABLE 1  
 SOIL AND GROUNDWATER ANALYTICAL RESULTS  
 OLIVER TRUST FARMS  
 28905 HESPERIAN BOULEVARD  
 HAYWARD, CALIFORNIA

(soil analyte concentrations in micrograms per kilogram)  
 (water analyte concentrations in milligrams per liter)  
 (water Total Dissolved Solids in milligrams per liter)

	Total Dissolved Solids	TPH-gasoline	Benzene	Toluene	Ethylbenzene	Total Xylene isomers	MTBE
B5R/5.5-6'	----	1400	6.8	< 5.0	< 5.0	< 5.0	1200
B5R/10-10.5'	----	< 1000	< 5.0	< 5.0	< 5.0	< 5.0	22
B5R/GW	7800	1500	130	56	29	95	6500
B6/5.5-6'	----	< 1000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
B6/10-10.5'	----	< 1000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
B6/GW	49000	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0
B7/5-5.5'	----	< 1000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
B7/10-10.5'	----	< 1000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
B7/GW	21000	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0



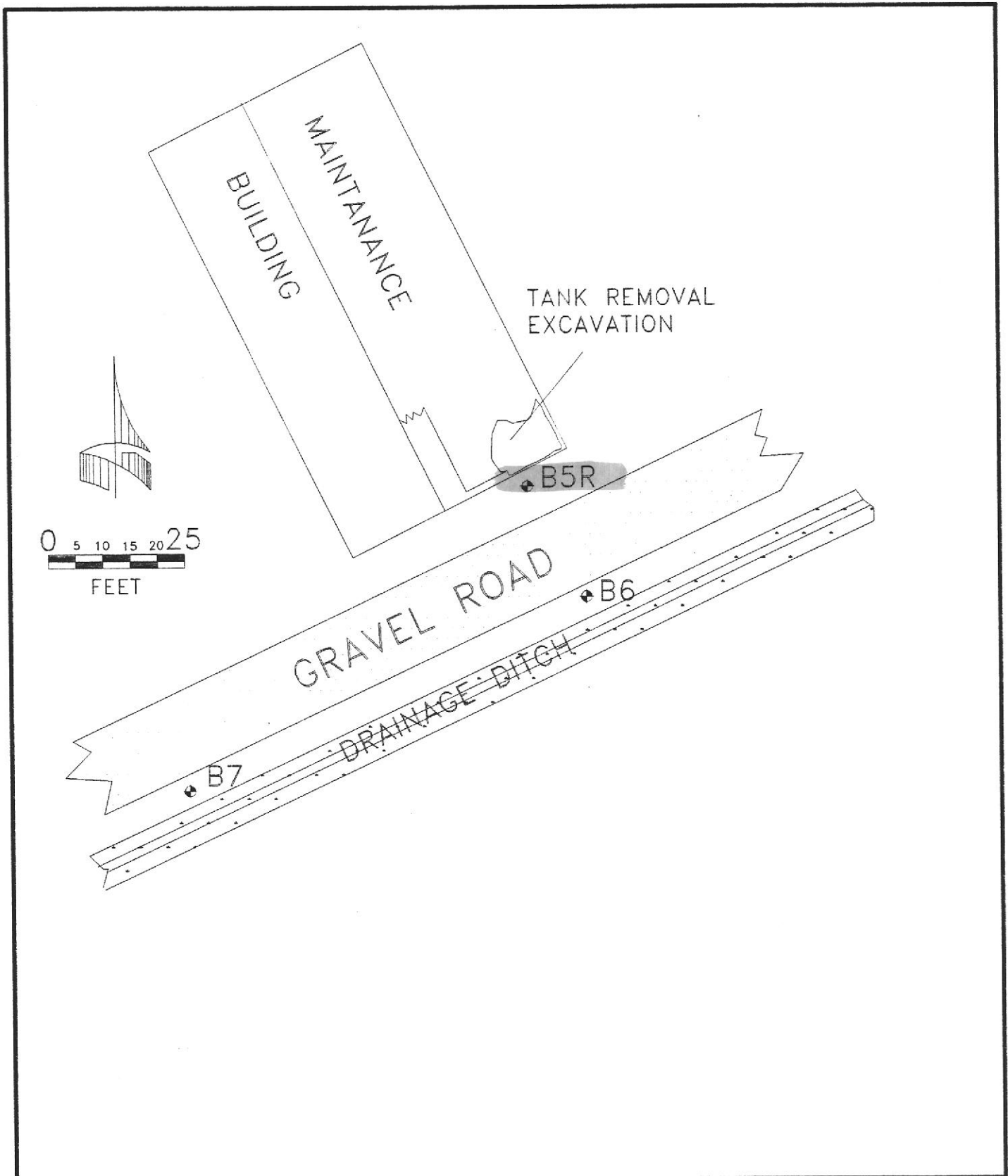
Base from U.S. Geological Survey  
7.5 Minute Series Topographic Map  
Newark Quadrangle  
Edition of 1959, Photorevised 1980



**H<sub>2</sub>OGEOL**  
A GROUND WATER CONSULTANCY

**UNDERGROUND STORAGE TANK SITE LOCATION MAP  
OLIVER TRUST FARMS  
28905 HESPERIAN BOULEVARD  
HAYWARD, CALIFORNIA**

**FIGURE  
1**





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P.O. Box 2165 ■ Livermore, California 94551 ■ (925) 373-9211

## **ATTACHMENT A**

### **BOREHOLE LITHOLOGIC LOGS**



# BOREHOLE LITHOLOGIC LOG

BOREHOLE No. B6 Sheet 1 of 1

Project No.:	Date:	11/13/98	Drilling Co.:	Drill Model:	Iwan Auger	
Client:	DECON Environmental Services		Drilling Method:	Hand Operation	Borehole Diameter:	4-in
Location:	Oliver Trust Farms		Ground Surface Elevation:	Unknown	Datum:	Ave ground surface
28905 Hesperian Boulevard, Hayward, California			Borehole B6 was not completed as a monitoring well.			
Logged by:	GDL	Driller:	RCV/GDL			

Water Level	9.48	6.73	6.87
Time	14:10	14:21	14:26
Date	11/13/98	11/13/98	11/13/98

Sampling Blowcounts	PI/D/FID HI/LO/OVA reading	Depth test	Sample Soil Sample Number	Graphic Soil Symbol	USCS Soil Symbol	Field Soil Description
		1	B6/		CL	Very dark grayish brown 10YR 3/2 silty clay with 5%.
		2			CL	Dark brown 10YR 3/3 mottled dark grayish brown 2.5Y 4/1 clay.
		3			CL	Dark brown 10YR 3/3 mottled dark grayish brown 2.5Y 4/1 clay. No odor.
		4			CL	ML Dark reddish brown 5YR 3/4 clayey sandy silt.
		5			CL	Dark greenish gray 5GY 4/1 clay. No odor.
		6	5.5-6 Ft.		CL	CL Peaty clay. High vegetation fiber content.
		7			CH	First Encountered Water at 6.3 Feet. No yield to augerhole.
		8			CH	@6.3 Ft. dusk red 2.5YR 3/2 wood, 0.05 Ft.
		9			CH	Dark gray 2.5GY 4/0; N/4 plastic clay. No odor.
		10	10-10.5 Ft.		CL	@ 9.5 Ft. Thin, <0.05 Ft., very fine sand laminae
		11			CL	Dark grayish brown 2.5Y 4/2 silty clay.
		12			CL	Second Encountered Water at 11.55 Feet.
		13			ML	Light olive brown 2.5Y 5/6 clayey silt
		13			ML	Light olive brown 2.5Y 5/6 pebbly sandy clayey silt
		14				Tool Depth 13.2
		15				
		16				
		17				
		18				
		19				
		20				
		21				
		22				
		23				
		24				
		25				



# BOREHOLE LITHOLOGIC LOG

BOREHOLE No. B5R Sheet 1 of 1

Project No.:	Date:	<u>11/13/98</u>	Drilling Co.:	Drill Model:	<u>Iwan Auger</u>	
Client:	<u>DECON Environmental Services</u>		Drilling Method:	<u>Hand Operation</u>	Borehole Diameter:	<u>4-in</u>
Location:	<u>Oliver Trust Farms</u>		Ground Surface Elevation:	<u>Unknown</u>	Datum:	<u>Ave ground surface</u>
<u>28905 Hesperian Boulevard, Hayward, California</u>			Borehole B5R was not completed as a monitoring well.			
Logged by:	<u>GDL</u>	Driller:	<u>RCV/GDL</u>			

Water Level	<u>8.19</u>		
Time	<u>12:08</u>		
Date	<u>11/13/98</u>		

Sampling Blowcounts	PID/FID H <sub>2</sub> /O <sub>2</sub> reading	Depth test	Sample Soil Sample Number	Graphic Soil Symbol	USCS Soil Symbol	Field Soil Description
		1	B5R/	[Pattern]	CL	Very dark grayish brown 10YR 3/2 silty clay with 10% gravel.
		2		[Pattern]	GP	Drain rock. 1-3 inch well rounded gravel. No fines.
		3		[Pattern]	CL	Dark brown 10YR 3/3 mottled dark grayish brown 2.5Y 4/1 clay. No odor. First Encountered Water at 3.8 Feet.
		4		[Pattern]	CL	ML Dark reddish brown 5YR 3/4 clayey sandy silt. <span style="float: right;">▽</span>
		5		[Pattern]	CL	Dark greenish gray 5GY 4/1 clay. No odor.
		6	5.5-6 Ft.	[Pattern]	CL	CL Peaty clay. High vegetation fiber content. Noticable odor at 5.5 feet.
		7		[Pattern]	CL	Dark greenish gray 5GY 4/1 clay. No odor.
		8		[Pattern]	CL	
		9		[Pattern]	CL	@ 8.8 Ft. Thin, <0.05 Ft., very fine sand laminae @ 9.3 feet clay stiffening.
		10	10-10.5 Ft.	[Pattern]	CL	Portland cement
		11				Total Depth 10.53
		12				
		13				
		14				
		15				
		16				
		17				
		18				
		19				
		20				
		21				
		22				
		23				
		24				
		25				





# BOREHOLE LITHOLOGIC LOG

BOREHOLE No. B7 Sheet 1 of 1

Project No.: _____ Date: <u>11/13/98</u>	Drilling Co. _____ Drill Model <u>Iwan Auger</u>
Client: <u>DECON Environmental Services</u>	Drilling Method - <u>Hand Operation</u> Borehole Diameter <u>4-in</u>
Location: <u>Oliver Trust Farms</u>	Ground Surface Elevation <u>Unknown</u> Datum: <u>Ave ground surface</u>
<u>28905 Hesperian Boulevard, Hayward, California</u>	Borehole B7 was not completed as a monitoring well.
Logged by: <u>GDL</u> Driller: <u>RCV/GDL</u>	

Water Level	6.52		
Time	15:36		
Date	11/13/98		

Sampling Blowcounts	PID/FID H <sub>2</sub> /O <sub>2</sub> /VA reading	Depth test	Sample Soil Sample Number	Graphic Soil Symbol	USCS Soil Symbol	Field Soil Description
		1	B7/		CL	Very dark grayish brown 10YR 3/2 silty clay with 5%.
		2			CL	Dark brown 10YR 3/3 mottled dark grayish brown 2.5Y 4/1 clay.
		3			CL	Dark brown 10YR 3/3 mottled dark grayish brown 2.5Y 4/1 clay. No odor.
		4			CL	ML Dark reddish brown 5YR 3/4 clayey sandy silt. First Encountered Water at 3.75 Feet.
		5	5-5.5		CL	
		6	Ft.			CL Peaty clay. High vegetation fiber content.
		7				
		8				Dark gray 2.5GY 4/0; N/4 plastic clay. No odor.
		9			CH	Dark gray 2.5GY 4/0; N/4 very plastic clay. No odor.
		10	10-10.5			Portland cement
		11	Ft.			
						Tool Depth 10.6
		12				
		13				
		14				
		15				
		16				
		17				
		18				
		19				
		20				
		21				
		22				
		23				
		24				
		25				



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## ATTACHMENT B

FIELD DATA SHEET  
LOG OF GROUNDWATER SAMPLING ACTIVITIES

## LOG OF AUGERHOLE SAMPLING ACTIVITIES

Identification: B 5R Project Name: 28905 Hesperian Boulevard, Hayward, CA Date: 11/13/98

Sampled by: G. Lowe & R. Vorst Weather Conditions: \_\_\_\_\_

Location: \_\_\_\_\_ Sample Tube Diameter: 2-inch Depth of Sample Tube: \_\_\_\_\_

Measuring Point: Top of Sample Tube Initial Depth to Water: 8' 1" Final Depth to Water: Not measured  
1208

Tube Volume (1 vol./ 3 vol): \_\_\_\_\_ 9/10 12:43 Borehole Volume: \_\_\_\_\_

Purging Method: Centrifugal Pump/Peristaltic Pump Sampling Method: Peristaltic Pump  
Grundfos Submersible Pump Grundfos Submersible Pump  
Centrifugal Pump/ES-60 Submersible Teflon Bailor  
ES-60 Submersible Pump X Purge Pump @ < 1L/Min. X

Purging Rate: See below Total Discharge: \_\_\_\_\_ Tube Volumes Purged: \_\_\_\_\_

Comments: sampled 30421. Sampled in 400-500 ml increments for  
analysis

Waste Water Disposal: To well side drum.

Starting Time: \_\_\_\_\_

Time Pump on: 12:10

Date	Time	Gal. Purged	pH	T deg. F	Diluted S.C.	Dil. Factor	S.C. (µS/cm)	Color
11/13/98	:					x	=	
	12:12	3/4	7.8	65.8		x	= 11,740	
	12:13	1	7.7	66		x	= 11,830	
	12:15	1+400ml	7.70	66.6		x	= 12,160	
	12:17	1+900ml	7.79	66.8		x	= 11,940	
	12:19	1+1200ml	7.7	66.7		x	= 12,200	
	:					x	=	
	:					x	=	
	:					x	=	
	:					x	=	
	:					x	=	

Sample Identification: B7/GW

Sample Time: 12:21 TDH-GT FEV 12:30 9260 12:25

### TURBIDITY ANALYSIS

Finishing Time: 12:45

Time Analyzed: \_\_\_\_\_ NTU Value: Very high

12:35 TDS

# LOG OF AUGERHOLE SAMPLING ACTIVITIES

Identification: B 10 Project Name: 28905 Hesperian Boulevard, Hayward, CA Date: 11/13/98

Sampled by: G. Lowe & R. Vorst Weather Conditions: \_\_\_\_\_

Location: \_\_\_\_\_ Sample Tube Diameter: 2-inch Depth of Sample Tube: \_\_\_\_\_

Measuring Point: Top of Sample Tube Initial Depth to Water: 829-192 Final Depth to Water: Not measured  
1420

Tube Volume (1 vol./ 3 vol): \_\_\_\_\_ Borehole Volume: \_\_\_\_\_

Purging Method: Centrifugal Pump/Peristaltic Pump  
Grundfos Submersible Pump  
Centrifugal Pump/ES-60 Submersible  
ES-60 Submersible Pump X

Sampling Method: Peristaltic Pump  
Grundfos Submersible Pump  
Teflon Bailer  
Purge Pump @ < 1L/Min. X

Purging Rate: See below Total Discharge: \_\_\_\_\_ Tube Volumes Purged: \_\_\_\_\_

Comments: sump (D) 1413030

Waste Water Disposal: To well side drum.

Starting Time: \_\_\_\_\_

Time Pump on: 052530

Date	Time	Gal. Purged	pH	T deg. F	Diluted S.C.	Dil. Factor	S.C. (µS/cm)	Color
11/13/98	:					x	= 72015	
	14:30	2	7.33	66.9	18,780	x 3	=	
	14:34	2 1/2	7.24	62.0	15,270	x 7.4	=	
	14:39	3	7.50	60.3	14,710	x 4	=	
	14:41	3 1/2	7.6	60.4	14,110	x 4	=	
	:					x	=	
	:					x	=	
	:					x	=	
	:					x	=	
	:					x	=	
	:					x	=	

Sample Identification: B7/GW Sample Time: 14:45

### TURBIDITY ANALYSIS

Finishing Time: \_\_\_\_\_ Time Analyzed: \_\_\_\_\_ NTU Value: \_\_\_\_\_

## LOG OF AUGERHOLE SAMPLING ACTIVITIES

Identification: B 7 Project Name: 28905 Hesperian Boulevard, Hayward, CA Date: 11/13/98

Sampled by: G. Lowe & R. Vorst Weather Conditions: \_\_\_\_\_

Location: \_\_\_\_\_ Sample Tube Diameter: 2-inch Depth of Sample Tube: \_\_\_\_\_

Measuring Point: Top of Sample Tube Initial Depth to Water: \_\_\_\_\_ Final Depth to Water: Not measured

Tube Volume (1 vol./ 3 vol): \_\_\_\_\_ Borehole Volume: \_\_\_\_\_

Purging Method: Centrifugal Pump/Peristaltic Pump  
Grundfos Submersible Pump  
Centrifugal Pump/ES-60 Submersible  
ES-60 Submersible Pump X

Sampling Method: Peristaltic Pump  
Grundfos Submersible Pump  
Teflon Bailor  
Purge Pump @ < 1L/Min. X

Purging Rate: See below Total Discharge: \_\_\_\_\_ Tube Volumes Purged: \_\_\_\_\_

Comments: empty 15:41 @ 13/492'

Waste Water Disposal: To well side drum.

Starting Time: \_\_\_\_\_

Time Pump on: 15:38

Date	Time	Gal. Purged	pH	T deg. F	Diluted S.C.	Dil. Factor	S.C. (µS/cm)	Color
11/13/98	:					x	=	
	15:42	1 1/2 + 450ml	7.52	67.0	7535	x 4	=	
	15:44	+300	7.33	67.7	7490	x 4	=	
	15:46	+1100	7.34	66.2	6110	x 4	=	
	15:48	+1400	7.4	65.7	5140	x 4	=	
	:					x	=	
	:					x	=	
	:					x	=	
	:					x	=	
	:					x	=	
	:					x	=	

Sample Identification: B7/GW Sample Time: 15:55

### TURBIDITY ANALYSIS

Finishing Time: \_\_\_\_\_ Time Analyzed: \_\_\_\_\_ NTU Value: \_\_\_\_\_



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## ATTACHMENT C

CHROMALAB, INC.  
LABORATORY ANALYTICAL RESULTS  
AND CHAIN-OF-CUSTODY DOCUMENTATION

# CHROMALAB, INC.

Environmental Services (SOB)

November 20, 1998

Submission #: 9811227

H2OGEOL

Atten: Gary Lowe

Project: OLIVER TRUST FARMS  
Received: November 13, 1998


re: One sample for Gasoline BTEX analysis.  
Method: SW846 8020A Nov 1990 / 8015Mod

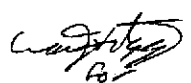
Client Sample ID: B5R/5.5-6FT

Spl#: 215752 Matrix: SOIL  
Sampled: November 13, 1998 Run#: 16066

Analyzed: November 19, 1998

ANALYTE	REPORTING		BLANK		DILUTION
	RESULT (mg/Kg)	LIMIT (mg/Kg)	RESULT (mg/Kg)	SPIKE (%)	
GASOLINE	1.4	1.2	N.D.	97	1
BENZENE	0.0068	0.0050	N.D.	95	1
TOLUENE	N.D.	0.0050	N.D.	91	1
ETHYL BENZENE	N.D.	0.0050	N.D.	89	1
XYLENES	N.D.	0.0050	N.D.	88	1

  
Vincent Vancil  
Analyst

  
Michael Verona  
Operations Manager

# CHROMALAB, INC.

Environmental Services (SOB)

November 20, 1998

Submission #: 9811227

H2OGEOL


Atten: Gary Lowe  
Project: OLIVER TRUST FARMS  
Received: November 13, 1998

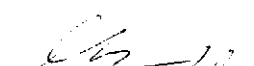
re: One sample for Fuel Oxygenates by GC/MS analysis.  
Method: EPA SW846 Method 8240 Modified

Client Sample ID: B5R/5.5-6FT

Spl#: 215752 Matrix: SOIL  
Sampled: November 13, 1998 Run#: 16089 Analyzed: November 19, 1998

ANALYTE	RESULT	REPORTING	BLANK	BLANK	DILUTION
	(ug/Kg)	LIMIT (ug/Kg)	RESULT (ug/Kg)	SPIKE (%)	FACTOR
METHYL TERTIARY BUTYL ETHER (MTBE)	1200	38	N.D.	106	7

  
June Zhao  
Analyst

  
Michael Verona  
Operations Manager

# CHROMALAB, INC.

Environmental Services (SDB)

November 20, 1998

Submission #: 9811227

H2OGEOL

Atten: Gary Lowe

Project: OLIVER TRUST FARMS  
Received: November 13, 1998

re: One sample for Gasoline BTEX analysis.  
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: B5R/10FT

Spl#: 215753


Matrix: SOIL

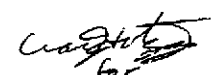
Sampled: November 13, 1998

Run#: 16067

Analyzed: November 19, 1998

ANALYTE	RESULT	REPORTING	BLANK	BLANK	DILUTION
	(mg/Kg)	LIMIT	RESULT	SPIKE	FACTOR
GASOLINE	N.D.	1.0	N.D.	99	1
BENZENE	N.D.	0.0050	N.D.	94	1
TOLUENE	N.D.	0.0050	N.D.	93	1
ETHYL BENZENE	N.D.	0.0050	N.D.	93	1
XYLENES	N.D.	0.0050	N.D.	92	1

  
Vincent Vancil  
Analyst

  
Michael Verona  
Operations Manager

# CHROMALAB, INC.

Environmental Services (SDB)

November 20, 1998

Submission #: 9811227

H2OGEOL

Atten: Gary Lowe  
Project: OLIVER TRUST FARMS  
Received: November 13, 1998

re: One sample for Fuel Oxygenates by GC/MS analysis.  
Method: EPA SW846 Method 8240 Modified

Client Sample ID: B5R/10FT

Spl#: 215753

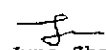
Matrix: SOIL

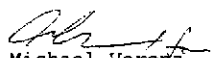
Sampled: November 13, 1998

Run#: 16089

Analyzed: November 19, 1998

ANALYTE	RESULT	REPORTING	BLANK	BLANK	DILUTION
	(ug/Kg)	LIMIT	RESULT	SPIKE	FACTOR
METHYL TERTIARY BUTYL ETHER (MTBE)	22	5.0	N.D.	106	1

  
June Zhao  
Analyst

  
Michael Verona  
Operations Manager

925-373-9222

1220 Quarry Lane • Pleasanton, California 94566-4756  
(925) 484-1919 • Facsimile (925) 484-1096  
Federal ID #68-0140157

GC 11320:81EXQC0220  
VINCE 1058

925-373-9222 GC 1118

1220 Quarry Lane • Pleasanton, California 94566-4756  
(925) 484-1919 • Facsimile (925) 484-1096  
Federal ID #68-0140157

VINCE 1058



# CHROMALAB, INC.

Environmental Services (SOB)

November 20, 1998

Submission #: 9811227

H2OGEOL

Atten: Gary Lowe

Project: OLIVER TRUST FARMS  
Received: November 13, 1998

re: One sample for Gasoline BTEX analysis.  
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: B6/5.5-6FT

Spl#: 215754

Matrix: SOIL


Run#: 16066

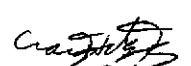
Analyzed: November 19, 1998

Sampled: November 13, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	1.0	N.D.	97	1
BENZENE	N.D.	0.0050	N.D.	95	1
TOLUENE	N.D.	0.0050	N.D.	91	1
ETHYL BENZENE	N.D.	0.0050	N.D.	89	1
XYLENES	N.D.	0.0050	N.D.	88	1

Note: Surrogate Recoveries demonstrate Matrix interference.

  
Vincent Vancil  
Analyst

  
Michael Verona  
Operations Manager

# CHROMALAB, INC.

Environmental Services (SOB)

November 20, 1998

Submission #: 9811227

H2OGEOL

Atten: Gary Lowe

Project: OLIVER TRUST FARMS

Received: November 13, 1998

re: One sample for Fuel Oxygenates by GC/MS analysis.

Method: EPA SW846 Method 8240 Modified

Client Sample ID: B6/5.5-6FT

Spl#: 215754


Matrix: SOIL

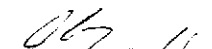
Sampled: November 13, 1998

Run#: 16056

Analyzed: November 18, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
METHYL TERTIARY BUTYL ETHER (MTBE)	N.D.	5.0	N.D.	102	1

  
June Zhao  
Analyst

  
Michael Verona  
Operations Manager

925-373-9222

1220 Quarry Lane • Pleasanton, California 94566-4756  
(925) 484-1919 • Facsimile (925) 484-1096  
Federal ID #68-0140157

GC V132 01:81EXOC0220  
VINCE 10/98

925-373-9222 GC 11/98

1220 Quarry Lane • Pleasanton, California 94566-4756  
(925) 484-1919 • Facsimile (925) 484-1096  
Federal ID #68-0140157

FORM 0 020405 818ADM 12 78

# CHROMALAB, INC.

Environmental Services (SDB)

November 20, 1998

Submission #: 9811227

H2OGEOL

Atten: Gary Lowe

Project: OLIVER TRUST FARMS  
Received: November 13, 1998


re: One sample for Gasoline BTEX analysis.  
Method: SW846 8020A Nov 1990 / 8015Mod

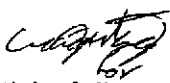
Client Sample ID: B6/10-10.5FT

Spl#: 215755 Matrix: SOIL  
Sampled: November 13, 1998 Run#: 16066

Analyzed: November 19, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	1.0	N.D.	97	1
BENZENE	N.D.	0.0050	N.D.	95	1
TOLUENE	N.D.	0.0050	N.D.	91	1
ETHYL BENZENE	N.D.	0.0050	N.D.	89	1
XYLENES	N.D.	0.0050	N.D.	88	1

  
Vincent Vancil  
Analyst

  
Michael Verona  
Operations Manager

# CHROMALAB, INC.

Environmental Services (SDB)

November 20, 1998

Submission #: 9811227

H2OGEOL


Atten: Gary Lowe  
Project: OLIVER TRUST FARMS  
Received: November 13, 1998


re: One sample for Fuel Oxygenates by GC/MS analysis.  
Method: EPA SW846 Method 8240 Modified

Client Sample ID: B6/10-10.5FT

Spl#: 215755 Matrix: SOIL  
Sampled: November 13, 1998 Run#: 16056 Analyzed: November 18, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
METHYL TERTIARY BUTYL ETHER (MTBE)	N.D.	5.0	N.D.	102	1

  
June Zhao  
Analyst

  
Michael Verona  
Operations Manager

# CHROMALAB, INC.

Environmental Services (SDB)

November 20, 1998

Submission #: 9811227

H2OGEOL

Atten: Gary Lowe

Project: OLIVER TRUST FARMS  
Received: November 13, 1998

re: One sample for Gasoline BTEX analysis.  
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: B7/5-5.5FT

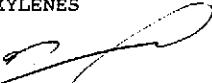
Spl#: 215756

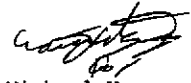
Matrix: SOIL

Run#: 16067

Analyzed: November 19, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	1.0	N.D.	99	1
BENZENE	N.D.	0.0050	N.D.	94	1
TOLUENE	N.D.	0.0050	N.D.	93	1
ETHYL BENZENE	N.D.	0.0050	N.D.	93	1
XYLENES	N.D.	0.0050	N.D.	92	1

  
Vincent Vancil  
Analyst

  
Michael Verona  
Operations Manager

# CHROMALAB, INC.

Environmental Services (SDB)

November 20, 1998

Submission #: 9811227

H2OGEOL

Atten: Gary Lowe

Project: OLIVER TRUST FARMS

Received: November 13, 1998

re: One sample for Fuel Oxygenates by GC/MS analysis.

Method: EPA SW846 Method 8240 Modified

Client Sample ID: B7/5-5.5FT

Spl#: 215756

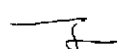
Matrix: SOIL

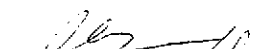
Sampled: November 13, 1998

Run#: 16089

Analyzed: November 19, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
METHYL TERTIARY BUTYL ETHER (MTBE)	N.D.	5.0	N.D.	106	1

  
June Zhao  
Analyst

  
Michael Verona  
Operations Manager

# CHROMALAB, INC.

Environmental Services (SDB)

November 20, 1998

Submission #: 9811227

H2OGEOL

Atten: Gary Lowe

Project: OLIVER TRUST FARMS  
Received: November 13, 1998

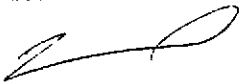
re: One sample for Gasoline BTEX analysis.  
Method: SW846 8020A Nov 1990 / 8015Mod


Client Sample ID: B7/10-10.5FT

Spl#: 215757 Matrix: SOIL  
Sampled: November 13, 1998 Run#: 16056

Analyzed: November 19, 1998

ANALYTE	RESULT	REPORTING	BLANK	BLANK	DILUTION
	(mg/Kg)	LIMIT	RESULT	SPIKE	
		(mg/Kg)	(mg/Kg)	(%)	FACTOR
GASOLINE	N.D.	1.0	N.D.	97	1
BENZENE	N.D.	0.0050	N.D.	95	1
TOLUENE	N.D.	0.0050	N.D.	91	1
ETHYL BENZENE	N.D.	0.0050	N.D.	89	1
XYLENES	N.D.	0.0050	N.D.	88	1

  
Vincent Vancil  
Analyst

  
Michael Verona  
Operations Manager

# CHROMALAB, INC.

Environmental Services (SDB)

November 20, 1998

Submission #: 9811227

H2OGEOL


Atten: Gary Lowe  
Project: OLIVER TRUST FARMS  
Received: November 13, 1998

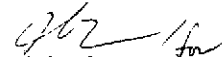
re: One sample for Fuel Oxygenates by GC/MS analysis.  
Method: EPA SW846 Method 8240 Modified

Client Sample ID: B7/10-10.5FT

Spl#: 215757 Matrix: SOIL  
Sampled: November 13, 1998 Run#: 16056 Analyzed: November 18, 1998

ANALYTE	RESULT	REPORTING	BLANK	BLANK	DILUTION
	(ug/Kg)	LIMIT	RESULT	SPIKE	
		(ug/Kg)	(ug/Kg)	(%)	FACTOR
METHYL TERTIARY BUTYL ETHER (MTBE)	N.D.	5.0	N.D.	102	1

  
June Zhao  
Analyst

  
Michael Verona  
Operations Manager

# CHROMALAB, INC.

Environmental Services (SDB)

November 20, 1998

Submission #: 9811227

H2OGEOL

Atten: Gary Lowe

Project: OLIVER TRUST FARMS  
Received: November 13, 1998

re: One sample for Gasoline BTEX analysis.  
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: B5R/GW  
Spl#: 215758  
Sampled: November 13, 1998

Matrix: WATER  
Run#: 16104

Analyzed: November 16, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	1500	50	N.D.	96	1
BENZENE	130	0.50	N.D.	102	1
TOLUENE	56	0.50	N.D.	106	1
ETHYL BENZENE	29	0.50	N.D.	102	1
XYLENES	95	0.50	N.D.	103	1

Vincent Vancil  
Analyst

Michael Verona  
Operations Manager

925-373-9222

1220 Quarry Lane • Pleasanton, California 94566-4756  
(925) 484-1919 • Facsimile (925) 484-1096  
Federal ID #68-0140157

GC V1320: BTEXOC0220  
VINCE 10.58

# CHROMALAB, INC.

Environmental Services (SDB)

November 25, 1998

Submission #: 9811227

H2OGEOL

Atten: Gary Lowe  
Project: OLIVER TRUST FARMS  
Received: November 13, 1998

re: One sample for Fuel Oxygenates by GC/MS analysis.  
Method: EPA SW846 Method 8260 Modified

Client Sample ID: B5R/GW  
Spl#: 215758  
Sampled: November 13, 1998

Matrix: WATER  
Run#: 16203

Analyzed: November 24, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
METHYL TERTIARY BUTYL ETHER (MTBE)	500	500	N.D.	95.2	100

Alex Tam  
Analyst

Michael Verona  
Operations Manager

925-373-9222

1220 Quarry Lane • Pleasanton, California 94566-4756  
(925) 484-1919 • Facsimile (925) 484-1096  
Federal ID #68-0140157

1080 0-000405 11 17 87

# CHROMALAB, INC.

Environmental Services (SDB)

November 20, 1998

Submission #: 9811227

H2OGEOL

Atten: Gary Lowe

Project: OLIVER TRUST FARMS  
Received: November 13, 1998

re: One sample for Gasoline BTEX analysis.  
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: B6/GW

Spl#: 215759

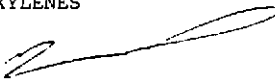
Matrix: WATER

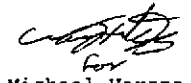
Sampled: November 13, 1998

Run#: 16104

Analyzed: November 16, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	50	N.D.	96	1
BENZENE	N.D.	0.50	N.D.	102	1
TOLUENE	N.D.	0.50	N.D.	106	1
ETHYL BENZENE	N.D.	0.50	N.D.	102	1
XYLENES	N.D.	0.50	N.D.	103	1

  
Vincent Vancil  
Analyst

  
Michael Verona  
Operations Manager

# CHROMALAB, INC.

Environmental Services (SDB)

November 25, 1998

Submission #: 9811227

H2OGEOL

Atten: Gary Lowe  
Project: OLIVER TRUST FARMS  
Received: November 13, 1998  
re: One sample for Fuel Oxygenates by GC/MS analysis.  
Method: EPA SW846 Method 8260 Modified

Client Sample ID: B6/GW

Spl#: 215759

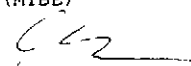
Matrix: WATER


Sampled: November 13, 1998

Run#: 16203

Analyzed: November 24, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
METHYL TERTIARY BUTYL ETHER (MTBE)	N.D.	5.0	N.D.	95.2	1

  
Alex Tam  
Analyst

  
Michael Verona  
Operations Manager

# CHROMALAB, INC.

Environmental Services (SDB)

November 20, 1998

Submission #: 9811227

H2OGEOL

Atten: Gary Lowe

Project: OLIVER TRUST FARMS  
Received: November 13, 1998

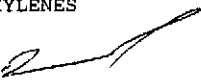
re: One sample for Gasoline BTEX analysis.  
Method: SW846 8020A Nov 1990 / 8015Mod

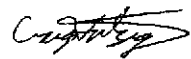
Client Sample ID: B7/ GW

Spl#: 215760 Matrix: WATER  
Sampled: November 13, 1998 Run#: 16104

Analyzed: November 16, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	50	N.D.	96	1
BENZENE	N.D.	0.50	N.D.	102	1
TOLUENE	N.D.	0.50	N.D.	106	1
ETHYL BENZENE	N.D.	0.50	N.D.	102	1
XYLENES	N.D.	0.50	N.D.	103	1

  
Vincent Vancil  
Analyst

  
Michael Verona  
Operations Manager

# CHROMALAB, INC.

Environmental Services (SDB)

November 25, 1998

Submission #: 9811227

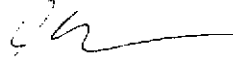
H2OGEOL


Atten: Gary Lowe  
Project: OLIVER TRUST FARMS  
Received: November 13, 1998  
re: One sample for Fuel Oxygenates by GC/MS analysis.  
Method: EPA SW846 Method 8260 Modified

Client Sample ID: B7/ GW

Spl#: 215760 Matrix: WATER  
Sampled: November 13, 1998 Run#: 16203 Analyzed: November 24, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
METHYL TERTIARY BUTYL ETHER (MTBE)	N.D.	5.0	N.D.	95.2	1

  
Alex Tam  
Analyst

  
Michael Verona  
Operations Manager

# CHROMALAB, INC.

Environmental Services (SDB)

November 24, 1998

Submission #: 9811227

H2OGEOL

Atten: Gary Lowe

Project: OLIVER TRUST FARMS  
Received: November 13, 1998

re: 3 samples for Total Dissolved Solids analysis.  
Method: EPA 160.1

Matrix: WATER

Sampled: November 13, 1998 Run#: 16043

Analyzed: November 17, 1998

Spl#	CLIENT SPL ID	TOTAL DISSOLVED SOLI (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE (%)	DILUTION FACTOR
215758	B5R/GW	7800	100	N.D.	98.2	10
215759	B6/GW	49000	50	N.D.	98.2	5
215760	B7/ GW	21000	100	N.D.	98.2	10

*Lulu Frazier*  
Lulu Frazier  
Analyst

*Joan Mulden for:*  
Michael Verona  
Operations Manager



JOB NUMBER AND NAME:  
Oliver Trust Farms  
REPORT AND BILL TO:  
DECON Environmental Services, Inc.  
23390 Concessionaire Street  
Hayward, CA 94545  
(510) 733-6444

Client: Gary D Lowe  
Address: Alameda  
Fax: 925-573-9228

SUBM #: 9811227 RES: 160  
CLIENT: DECON  
REQ: 11/21/98  
REF: 160432

SAMPLE STATION	SAMPLE DESCRIPTION	DATE	CONTAINER NUMBER	ANALYSIS REQUESTED	RECEIVED BY	RECEIVED DATE	LABORATORY USE ONLY
B5R/GW	S-1	11/13/98	161	TPH, TSS, MTBE, Total Dissolved Solids	Michael Verona	11/17/98	598 MO 18 UOAS 5 JUCZ C. K. HAN
B6/GW	S-1	11/13/98	162	TPH, TSS, MTBE, Total Dissolved Solids	Michael Verona	11/17/98	
B7/GW	S-1	11/13/98	163	TPH, TSS, MTBE, Total Dissolved Solids	Michael Verona	11/17/98	

LABORATORY USE ONLY:  
In good conditions?   
preserved/on list?   
were samples labeled?

AT (510) 782-0584

Q - Grab C - Composite N - Valve