

April 13, 2000

San Francisco Bay Regional  
Water Quality Control Board  
1515 Clay Street, Suite 1400  
Oakland, CA 94612

Attention: Stephen Hill

Subject: Report of Quarterly Ground Water Monitoring  
Conducted on March, 21, 2000  
Liquid Sugars Inc. Site  
1266 66th Street, Emeryville, California  
GA Project No.: 149-02-03

Ladies and Gentlemen:

Gribi Associates is pleased to submit this groundwater monitoring report on behalf of Liquid Sugars, Inc. for the subject site in Emeryville, California (see Figure 1 and Figure 2). This letter report documents the recent monitoring of four groundwater monitoring wells at the site.

## **DESCRIPTION OF SAMPLING ACTIVITIES**

On March, 21, 2000, Mr. Stanton Stubbs conducted groundwater monitoring activities for four site wells (MW-1, MW-2, MW-3 and MW-4). Groundwater monitoring was conducted in accordance with California LUFT Field Manual guidelines as follows:

- After unlocking and opening the monitoring wells, water levels were measured to the nearest 0.01 foot with an electronic probe.
- The wells were purged of approximately three well volumes using a 12-volt purge pump. During purging, temperature, pH, conductivity, and turbidity of the well water were periodically monitored and recorded until they stabilized. All purged water was stored onsite in sealed 55-gallon metal drums. Groundwater sampling data sheets for each well are contained in Appendix A.
- After purging the required volume of water, groundwater was poured directly from the pump outlet or bailer into laboratory supplied containers. Each container was then tightly sealed with teflon-lined septa, making sure that no air bubbles were present in the containers. 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 was measured in the four site wells at a depth of about six feet below surface grade, with a flow gradient of about 0.005 feet/foot to the south (see Figure 3). Purged groundwater from the four wells sampled exhibited no hydrocarbon odors or sheens.

**Laboratory Analytical Results**

One groundwater sample from each of the four wells was analyzed for the following parameters:

USEPA 8260 Halogenated Volatile Organic Compounds (HVOCs)

Groundwater analytical results are summarized in Table 1 and on Figure 3. The laboratory data report is contained in Appendix B.

Sample ID	GW Elevation	Concentration (ppm)						
		VC	t-1,2-DCE	c-1,2-DCE	TCE	PCE	1,2-DCA	Other
MW-1	21.87 ft	<0.00050	<0.00050	<b>0.0040</b>	<b>0.0032</b>	<b>0.720</b>	<b>0.230</b>	<b>0.0071<sup>1</sup></b>
<30.18>	23.82 ft	<0.00050	<0.00050	<b>0.0012</b>	<b>0.0013</b>	<b>0.010</b>	<b>0.290</b>	<b>0.0078<sup>5</sup></b>
MW-2	22.63 ft	<b>0.0094</b>	<b>0.00078</b>	<b>0.064</b>	<b>0.029</b>	<b>0.530</b>	<0.00050	<b>0.0018<sup>2</sup></b>
<29.48>	23.72 ft	<0.0020	<0.0020	<b>0.0029</b>	<b>0.043</b>	<b>0.780</b>	<0.0020	<b>0.0042<sup>5</sup></b>
MW-3	23.03 ft	<b>0.014</b>	<b>0.030</b>	<b>1.2</b>	<b>0.300</b>	<b>16.0</b>	<0.00050	<b>0.00846<sup>3</sup></b>
<29.04>	24.06 ft	<0.050	<0.050	<b>1.1</b>	<b>0.270</b>	<b>24.0</b>	<0.050	--
MW-4	21.65 ft	<b>0.013</b>	<b>0.0024</b>	<b>0.110</b>	<b>0.059</b>	<b>0.300</b>	<b>0.027</b>	<b>0.0014<sup>4</sup></b>
<30.00>	23.93 ft	<b>0.0055</b>	<b>0.0014</b>	<b>0.054</b>	<b>0.037</b>	<b>0.150</b>	<b>0.016</b>	<b>0.0073<sup>7</sup></b>

ppm = Parts per million (milligrams per liter)  
 GW Elevation = Groundwater mean sea level elevation.  
 VC = Vinyl Chloride  
 t-1,2-DCE = trans-1,2-Dichloroethene  
 c-1,2-DCE = cis-1,2-Dichloroethene  
 TCE = Trichloroethene  
 PCE = Tetrachloroethene  
 1,2-DCA = 1,2-Dichloroethane  
 Other = Sum of concentrations of 22 remaining HVOC compounds  
 (see footnotes for specific compounds and concentrations).  
 <30.18> = Top of casing mean sea level elevation for well  
 <0.00050 = Not detected above the value expressed in parentheses.

1 = Sum of 0.0060 ppm of Chloroform and 0.0011 ppm of 1,2-Dichloropropane.  
 2 = 0.0018 ppm of 1,1-Dichloroethene.  
 3 = Sum of 0.0075 ppm of 1,1-Dichloroethene and 0.00096 ppm of 1,1,2-Trichloroethane.  
 4 = 0.0014 ppm of 1,1-Dichloroethene.  
 5 = Sum of 0.0060 ppm of Chloroform and 0.0011 ppm of 1,2-Dichloropropane.  
 6 = 0.0018 ppm of 1,1-Dichloroethene.  
 7 = 0.0011 ppm of 1,1-Dichloroethene and 0.0062 ppm of 1,1-Dichloroethane.

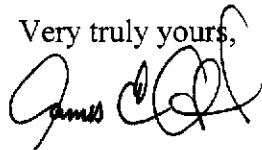
## CONCLUSIONS

Laboratory analytical results from this sampling event are similar to previous monitoring result, continuing to show: (1) An elevated concentration of PCE in well MW-3, located near the east project site property line; (2) A low concentration of 1,2, -DCA in well MW-1; and (3) low levels of HVOCs in wells MW-2 and MW-4. Based on these results, we request that the San Francisco Bay Regional Water Quality Control Board grant regulatory closure for this site. We believe that the following site-specific conditions warrant regulatory closure of this site.

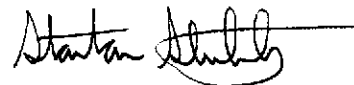
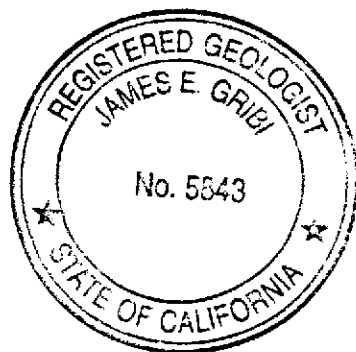
- This site is underlain by low-permeability clays and silts, with no beneficial groundwater uses in the area.
- The elevated concentrations of PCE encountered in MW-3 obviously originated from offsite, probably from the adjacent Union Pacific Railroad tracks.
- The low concentrations of 1, 2 DCA encountered in MW-1 appear to have originated from offsite, possibly from a former Bacon Vulcanizer Manufacturing machine shop an smelter located immediately north from the project site in the 1950's.
- The HVOCs encountered beneath the site represent relatively small historical releases that are not migrating significantly and do not pose a significant environmental or human health risk.

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,



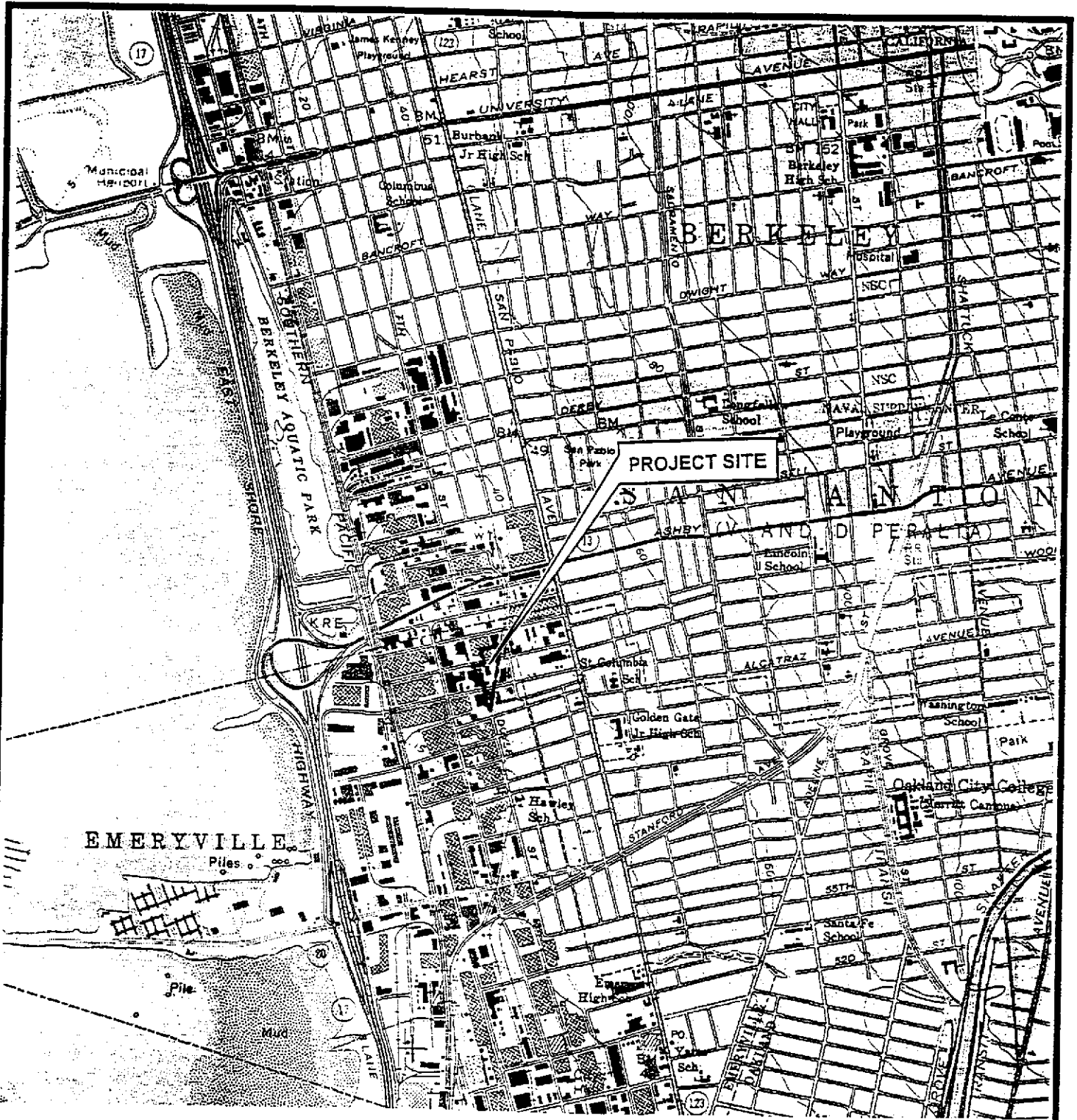
James E. Gribi  
Registered Geologist  
California No. 5843



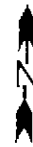
Stanton Stubbs  
Environmental Scientist

JEG:ct  
Enclosure

- c Mr. Mike Alo, Liquid Sugars, Inc.  
Mr. Rory Campbell, Hanson, Bridgett, Marcus, Vlahos & Rudy LLP  
Mr. Ron Mooney  
Mr. Ygnacio Dyart, City of Emeryville Redevelopment Agency



TOPOGRAPHY FROM USGS OAKLAND, WEST, CALIFORNIA  
7.5-MINUTE QUADRANGLE MAPS, (TOPO! 1997).



DESIGNED BY:

CHECKED BY:

**SITE VICINITY MAP**

DATE: 11/09/98

FIGURE: 1

DRAWN BY: JG

SCALE: 1:24,000

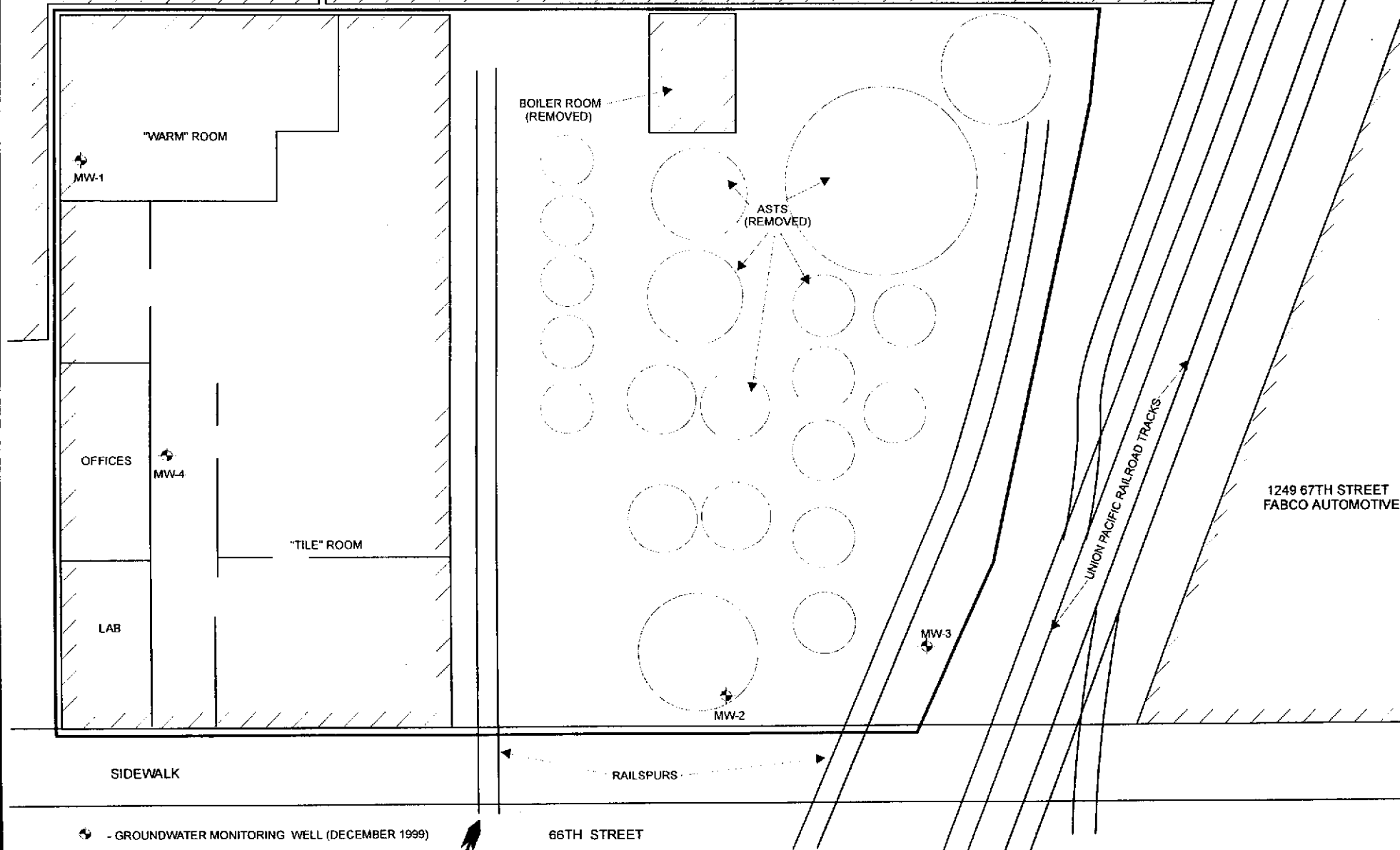
LIQUID SUGARS, INC.  
EMERYVILLE, CALIFORNIA

PROJECT NO: 149-01-01

**GRIBI Associates**

1295 67TH STREET  
NEW LOGIC INTERNATIONAL  
(DISTRIBUTION WAREHOUSE)

1265 67TH STREET  
GEORGE MARTIN MACHINING



1249 67TH STREET  
FABCO AUTOMOTIVE

⊗ - GROUNDWATER MONITORING WELL (DECEMBER 1999)

66TH STREET

DESIGNED BY:	CHECKED BY:
DRAWN BY: JG	SCALE:
PROJECT NO: 149-01-03	

**SITE PLAN**  
LIQUID SUGARS, INC. FACILITY  
1266 66TH STREET  
EMERYVILLE, CALIFORNIA

DATE: 04/12/00      FIGURE: 2

**GRI** Associates

VC : ND  
 t-1,2-DCE : ND  
 c-1,2-DCE : 0.0012  
 TCE : 0.0013  
 PCE : 0.010  
 1,2-DCA : 0.290  
 OTHER : 0.0078

(+23.82)  
 MW-1

VC : 0.0055  
 t-1,2-DCE : 0.0014  
 c-1,2-DCE : 0.054  
 TCE : 0.037  
 PCE : 0.150  
 1,2-DCA : 0.016  
 OTHER : 0.0073

(+23.93)  
 MW-4

VC : ND  
 t-1,2-DCE : ND  
 c-1,2-DCE : 0.0029  
 TCE : 0.043  
 PCE : 0.780  
 1,2-DCA : ND  
 OTHER : 0.0042

(+23.72)  
 MW-2

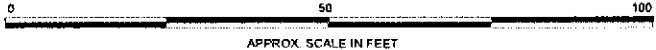
VC : ND  
 t-1,2-DCE : ND  
 c-1,2-DCE : 1.1  
 TCE : 0.270  
 PCE : 24.0  
 1,2-DCA : ND  
 OTHER : ND

(+24.06)  
 MW-3

(+23.50)

(+24.00)

☉ - GROUNDWATER MONITORING WELL (DECEMBER 1999)



DESIGNED BY:	CHECKED BY:
DRAWN BY: JG	SCALE:
PROJECT NO: 149-01-03	

**GROUNDWATER GRADIENT &  
 HVOC RESULTS - 03/21/00**  
 LIQUID SUGARS, INC. FACILITY  
 1266 66TH STREET  
 EMERYVILLE, CALIFORNIA

DATE: 04/12/00      FIGURE: 3

**GRIBI Associates**

APPENDIX A

GROUNDWATER MONITORING FIELD DATA RECORDS

GROUNDWATER SAMPLING RECORD		GRIBI Associates	
Well No. <u>Wash Room</u>		Well Loc.	
Project Name <u>MW-1</u>		Project No.	
Date <u>3/21</u> Time	TOC Elevation	GW Elevation	
Depth to Water <u>6.36</u>	Well Depth	Well Diameter	
Purge Water, 2": Wtr Column X 0.163 X 3 =	Purge Water, 4": Wtr Column X 0.653 X 3 =		
Purge/Sample Method <u>Pump</u>	Lab Analyses		
Weather Conditions		Laboratory	

Time	Volume Purged	Temp.	Cond.	pH	Visual
<u>8:45</u>	<u>0</u>	<u>72.2</u>	<u>3.23</u>	<u>7.27</u>	<u>Moky Brun, NO H<sub>2</sub>O/sh</u>
	<u>4</u>	<u>73.5</u>	<u>2.51</u>	<u>6.93</u>	<u>     </u>
	<u>8</u>	<u>73.9</u>	<u>2.15</u>	<u>5.94</u>	<u>     </u>
<u>9</u>	<u>12</u>	<u>74.4</u>	<u>2.19</u>	<u>5.70</u>	<u>     </u>

Remarks Slow Recharge



GROUNDWATER SAMPLING RECORD		GRIBI Associates	
Well No. MW-2	Well Loc.		
Project Name	Project No.		
Date 3/21 Time	TOC Elevation	GW Elevation	
Depth to Water 5.76	Well Depth	Well Diameter	
Purge Water, 2": Wtr Column X 0.163 X 3 =	Purge Water, 4": Wtr Column X 0.653 X 3 =		
Purge/Sample Method	Lab Analyses		
Weather Conditions	Laboratory		

Time	Volume Purged	Temp.	Cond.	pH	Visual
1040	0	67.5	0.83	5.31	Muky Brn No HC OK
	4	67.3	0.83	5.17	" "
	8	66.9	0.85	5.24	" "
1055	12	67.3	0.86	5.16	" "

Remarks: Good Recharge

GROUNDWATER SAMPLING RECORD		GRIBI Associates	
Well No. MW-3	Well Loc.		
Project Name		Project No.	
Date	Time	TOC Elevation	GW Elevation
Depth to Water	4.98	Well Depth	Well Diameter
Purge Water, 2": Wtr Column X 0.163 X 3 =		Purge Water, 4": Wtr Column X 0.653 X 3 =	
Purge/Sample Method		Lab Analyses	
Weather Conditions		Laboratory	

Time	Volume Purged	Temp.	Cond.	pH	Visual
	0	63.8	0.94	4.98	Moky Brn, No HCO <sub>3</sub> sh
	4	66.4	0.90	4.98	" "
	8	66.1	0.90	4.96	" "
	12	65.5	0.93	4.99	" "

Remarks

GROUNDWATER SAMPLING RECORD		GRIBI Associates	
Well No. MW-4		Well Loc.	
Project Name		Project No.	
Date	Time	TOC Elevation	GW Elevation
Depth to Water 6.07		Well Depth	Well Diameter
Purge Water, 2": Wtr Column X 0.163 X 3 = 4		Purge Water, 4": Wtr Column X 0.653 X 3 =	
Purge/Sample Method		Lab Analyses	
Weather Conditions		Laboratory	

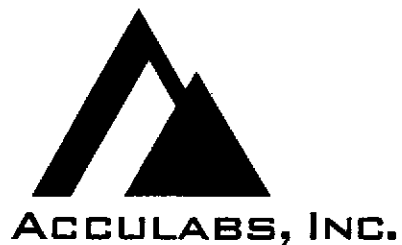
Time	Volume Purged	Temp.	Cond.	pH	Visual
	0	67.2	1.66	5.46	Muddy Br, No HCO <sub>3</sub>
	3	67.5	1.67	5.43	" "
	6	67.8	1.66	5.40	" "
	14	67.4	1.61	5.41	" "

Remarks: Slow Recharge 1-6 gals. Good recharge after 6 gals.

APPENDIX B

LABORATORY DATA REPORTS AND  
CHAIN-OF-CUSTODY RECORDS

Sample Log 21169  
April 05, 2000



Jim Gribi  
Gribi Associates  
1350 Hayes Street, #C-14  
Benicia, CA 94510


Subject : 4 Water samples  
Project Name : LSI-North  
Project Number : 149-02-03

Dear Mr. Gribi,

Chemical analysis on the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. USEPA protocols for sample storage and preservation were followed.

Acculabs - Davis is certified by the State of California (# 2330), the State of Arizona (AZ0583) and the State of Nevada. If you have any questions regarding procedures or results, please call me at 530-757-0920.

Sincerely,



Tom Kwoka



Report Number : 16340

Date : 04/04/2000

Sample : MW-1

Project Name : LSI-North

Project Number : 149-02-03

Date Analyzed : 04/04/2000

Matrix : Water

Sample Date : 03/22/2000

Analysis Method: EPA 8260B

Parameter	Measured Value	MRL	Units
Chloromethane	< 0.50	0.50	ug/L
Vinyl Chloride	< 0.50	0.50	ug/L
Bromomethane	< 0.50	0.50	ug/L
Chloroethane	< 0.50	0.50	ug/L
Trichlorofluoromethane	< 0.50	0.50	ug/L
1,1-Dichloroethene	< 0.50	0.50	ug/L
Methylene Chloride	< 0.50	0.50	ug/L
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L
1,1-Dichloroethane	< 0.50	0.50	ug/L
<b>cis-1,2-Dichloroethene</b>	<b>1.2</b>	0.50	ug/L
<b>Chloroform</b>	<b>6.4</b>	0.50	ug/L
1,1,1-Trichloroethane	< 0.50	0.50	ug/L
<b>1,2-Dichloroethane</b>	<b>290</b>	5.0	ug/L
Carbon Tetrachloride	< 0.50	0.50	ug/L
<b>Trichloroethene</b>	<b>1.3</b>	0.50	ug/L
<b>1,2-Dichloropropane</b>	<b>1.4</b>	0.50	ug/L
Bromodichloromethane	< 0.50	0.50	ug/L
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L
1,1,2-Trichloroethane	< 0.50	0.50	ug/L
<b>Tetrachloroethene</b>	<b>10</b>	0.50	ug/L
Dibromochloromethane	< 0.50	0.50	ug/L
Chlorobenzene	< 0.50	0.50	ug/L
Bromoform	< 0.50	0.50	ug/L
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L
1,3-Dichlorobenzene	< 0.50	0.50	ug/L
1,4-Dichlorobenzene	< 0.50	0.50	ug/L
1,2-Dichlorobenzene	< 0.50	0.50	ug/L
Dibromofluoromethane (Surr)	106		% Recovery
1,2-Dichloroethane-d4 (Surr)	104		% Recovery

1) MRL = Method reporting limit  
tr = Trace detected below reporting limit

Approved By:   
Joel Kiff



Report Number : 16340

Date : 04/04/2000

Sample : MW-2

Project Name : LSI-North

Project Number : 149-02-03

Date Analyzed : 04/04/2000

Matrix : Water

Sample Date :03/22/2000

Analysis Method: EPA 8260B

Parameter	Measured Value	MRL	Units
Chloromethane	< 2.0	2.0	ug/L
Vinyl Chloride	< 2.0	2.0	ug/L
Bromomethane	< 2.0	2.0	ug/L
Chloroethane	< 2.0	2.0	ug/L
Trichlorofluoromethane	< 2.0	2.0	ug/L
1,1-Dichloroethene	4.2	2.0	ug/L
Methylene Chloride	< 2.0	2.0	ug/L
trans-1,2-Dichloroethene	< 2.0	2.0	ug/L
1,1-Dichloroethane	< 2.0	2.0	ug/L
cis-1,2-Dichloroethene	2.9	2.0	ug/L
Chloroform	< 2.0	2.0	ug/L
1,1,1-Trichloroethane	< 2.0	2.0	ug/L
1,2-Dichloroethane	< 2.0	2.0	ug/L
Carbon Tetrachloride	< 2.0	2.0	ug/L
Trichloroethene	43	2.0	ug/L
1,2-Dichloropropane	< 2.0	2.0	ug/L
Bromodichloromethane	< 2.0	2.0	ug/L
cis-1,3-Dichloropropene	< 2.0	2.0	ug/L
trans-1,3-Dichloropropene	< 2.0	2.0	ug/L
1,1,2-Trichloroethane	< 2.0	2.0	ug/L
Tetrachloroethene	780	2.0	ug/L
Dibromochloromethane	< 2.0	2.0	ug/L
Chlorobenzene	< 2.0	2.0	ug/L
Bromoform	< 2.0	2.0	ug/L
1,1,2,2-Tetrachloroethane	< 2.0	2.0	ug/L
1,3-Dichlorobenzene	< 2.0	2.0	ug/L
1,4-Dichlorobenzene	< 2.0	2.0	ug/L
1,2-Dichlorobenzene	< 2.0	2.0	ug/L
Dibromofluoromethane (Surr)	105		% Recovery
1,2-Dichloroethane-d4 (Surr)	110		% Recovery

1) MRL = Method reporting limit  
tr = Trace detected below reporting limit

Approved By:  Joel Kiff



Report Number : 16340

Date : 04/04/2000

Sample : MW-3

Project Name : LSI-North

Project Number : 149-02-03

Date Analyzed : 04/04/2000

Matrix : Water

Sample Date : 03/22/2000

Analysis Method: EPA 8260B

Parameter	Measured Value	MRL <sup>1</sup>	Units
Chloromethane	< 50	50	ug/L
Vinyl Chloride	< 50	50	ug/L
Bromomethane	< 50	50	ug/L
Chloroethane	< 50	50	ug/L
Trichlorofluoromethane	< 50	50	ug/L
1,1-Dichloroethene	< 50	50	ug/L
Methylene Chloride	< 50	50	ug/L
trans-1,2-Dichloroethene	< 50	50	ug/L
1,1-Dichloroethane	< 50	50	ug/L
<b>cis-1,2-Dichloroethene</b>	<b>1100</b>	50	ug/L
Chloroform	< 50	50	ug/L
1,1,1-Trichloroethane	< 50	50	ug/L
1,2-Dichloroethane	< 50	50	ug/L
Carbon Tetrachloride	< 50	50	ug/L
<b>Trichloroethene</b>	<b>270</b>	50	ug/L
1,2-Dichloropropane	< 50	50	ug/L
Bromodichloromethane	< 50	50	ug/L
cis-1,3-Dichloropropene	< 50	50	ug/L
trans-1,3-Dichloropropene	< 50	50	ug/L
1,1,2-Trichloroethane	< 50	50	ug/L
<b>Tetrachloroethene</b>	<b>24000</b>	200	ug/L
Dibromochloromethane	< 50	50	ug/L
Chlorobenzene	< 50	50	ug/L
Bromoform	< 50	50	ug/L
1,1,2,2-Tetrachloroethane	< 50	50	ug/L
1,3-Dichlorobenzene	< 50	50	ug/L
1,4-Dichlorobenzene	< 50	50	ug/L
1,2-Dichlorobenzene	< 50	50	ug/L
Dibromofluoromethane (Surr)	106		% Recovery
1,2-Dichloroethane-d4 (Surr)	107		% Recovery

1) MRL = Method reporting limit  
tr = Trace detected below reporting limit

Approved By:  Joel Kiff





Report Number : 16340

Date : 04/04/2000

Sample : MW-4

Project Name : LSI-North

Project Number : 149-02-03

Date Analyzed : 04/04/2000

Matrix : Water

Sample Date : 03/22/2000

Analysis Method: EPA 8260B

Parameter	Measured Value	MRL <sup>1</sup>	Units
Chloromethane	< 0.50	0.50	ug/L
<b>Vinyl Chloride</b>	<b>5.5</b>	0.50	ug/L
Bromomethane	< 0.50	0.50	ug/L
Chloroethane	< 0.50	0.50	ug/L
Trichlorofluoromethane	< 0.50	0.50	ug/L
<b>1,1-Dichloroethene</b>	<b>1.1</b>	0.50	ug/L
Methylene Chloride	< 0.50	0.50	ug/L
<b>trans-1,2-Dichloroethene</b>	<b>1.4</b>	0.50	ug/L
<b>1,1-Dichloroethane</b>	<b>0.62</b>	0.50	ug/L
<b>cis-1,2-Dichloroethene</b>	<b>54</b>	0.50	ug/L
Chloroform	< 0.50	0.50	ug/L
1,1,1-Trichloroethane	< 0.50	0.50	ug/L
<b>1,2-Dichloroethane</b>	<b>16</b>	0.50	ug/L
Carbon Tetrachloride	< 0.50	0.50	ug/L
<b>Trichloroethene</b>	<b>37</b>	0.50	ug/L
1,2-Dichloropropane	< 0.50	0.50	ug/L
Bromodichloromethane	< 0.50	0.50	ug/L
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L
1,1,2-Trichloroethane	< 0.50	0.50	ug/L
<b>Tetrachloroethene</b>	<b>150</b>	0.50	ug/L
Dibromochloromethane	< 0.50	0.50	ug/L
Chlorobenzene	< 0.50	0.50	ug/L
Bromoform	< 0.50	0.50	ug/L
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L
1,3-Dichlorobenzene	< 0.50	0.50	ug/L
1,4-Dichlorobenzene	< 0.50	0.50	ug/L
1,2-Dichlorobenzene	< 0.50	0.50	ug/L
Dibromofluoromethane (Surr)	106		% Recovery
1,2-Dichloroethane-d4 (Surr)	102		% Recovery

1) MRL = Method reporting limit  
tr = Trace detected below reporting limit

Approved By:  Joel Kiff

# Acculabs Inc.

[ ] 3902 E. University Dr. Phoenix AZ 85034  
 [ ] 710 E. Evans Blvd. Tucson AZ 85713  
 [ ] 2020 W. Lone Cactus Dr. Phoenix AZ 85027  
 [ ] 4663 Table Mountain Dr. Golden CO 80403  
 [ ] 992 Spice Islands Dr. Sparks NV 89431  
 [ ] 1046 Olive Drive #2 Davis CA 95616

602-437-0979 Fax 437-0826  
 520-884-5811 Fax 884-5812  
 602-780-4800 Fax 780-7695  
 303-277-9514 Fax 277-9512  
 702-355-0202 Fax 355-0817  
 530-757-0920 Fax 753-6091

Lab Number

21169

Report

Due Date: 3-29-00

Client				Gribi Associates				<b>PUBLIC WATER SUPPLY INFORMATION</b>						
Address				1350 Hayes Street, Ste C-14				System Name						
City, State & Zip				Benicia, CA 94510				PWS No.		Report to State/EPA Y N				
Contact				Jim Gribi				POE No.		DWR No.				
Phone		707/748-7743		Project Name		LSI-North		Collection Point						
Fax		707/748-7763		Project Number		149-02-03		Collector's Name						
P.O. Number				Fax Results		Y <input checked="" type="radio"/> N <input type="radio"/>		Page		1 of 1		Location (City)		
<b>SAMPLE TYPE CODES</b>				S a m p l e  T y p e	C o n t a i n e r s	Analyses Requested  USEPA 8260 HVOCs  HOLD								
DW = drinking water		TB = travel blank										Compliance Monitoring		
WW = waste water		SD = solid										Y N		
MW = monitoring well		SO = soil		Y N										
HW = hazardous waste		SL = sludge		Y N										
<b>TURNAROUND TIME REQUESTED</b>														
Standard		RUSH		Special		Lab Director Approval								
<b>CLIENT'S SAMPLE ID/LOCATION</b>			Date	Time									Spl. No.	
MW-1			3/22/00		W	3	X						01	
MW-2			3/22/00		W	3	X						02	
MW-3			3/22/00		W	3	X						03	
MW-4			3/22/00		W	3	X						04	
<b>SAMPLE RECEIPT</b>			Date	Time	Samples Relinquished By				Samples Received By					
Received Cold			Y	N	3/22/00	1600	<i>Steve Haskins</i>				<i>Steve Haskins</i>			
Custody Seals			Y	N										
Seals Intact			Y	N										
No. of Containers														
Acculabs' terms are: Net 40 (Payment must be received by the date shown on the invoice or any discount is void)														

November 23, 1999

San Francisco Bay Regional  
Water Quality Control Board  
1515 Clay Street, Suite 1400  
Oakland, CA 94612

Attention: Stephen Hill

Subject: Approval of Remediation/Risk Management Plan  
Liquid Sugars, Inc., 1266 66<sup>th</sup> Street  
Emeryville, California  
GA Project No. 149-02-01

Ladies and Gentlemen:

Pursuant to our telephone conference this morning with Mr. Stephen Hill of your office, it is our understanding that:

- The Regional Water Quality Control Board has granted verbal approval to proceed with the workplan to install four groundwater monitoring wells at the site, as proposed in the *Remediation/Risk Management Plan* (Gribi Associates, October 28, 1999).
- Relative to your concerns regarding possible past releases of vinegar and liquid sugars from project site ASTs, Gribi Associates will attempt to obtain available soil and groundwater pH data obtained by Geomatrix during previous investigations. (Note that we currently have a faxed copy of pH results from five soil samples and three grab groundwater samples; however, the fax copy quality is not sufficient to read these results.)
- Pursuant to your request, copies of all subsequent groundwater well installation and monitoring reports will be sent to the City of Emeryville to augment their groundwater database.

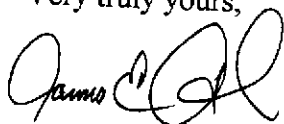
We also discussed project schedule, given the potential for redevelopment of the project site pending possible sale of the site by Liquid Sugars, Inc. You stated that given the likelihood that the groundwater monitoring may only be required for one to two years, it might be more advisable to implement the workplan now, rather than waiting until after possible site redevelopment.

We understand that the RWQCB is granting verbal approval to proceed at this time, and that written approval will not be possible until new staff is added in December 1999. Thus, in lieu of written approval, unless we hear from you within the next week, we will assume the aforementioned to be true. I will also attempt to telephone Mr. Hill within the next week to confirm receipt of this letter.

San Francisco Bay Regional  
Water Quality Control Board  
November 23, 1999  
Page 2

We appreciate the opportunity to present this letter for your review. Please contact us if you have questions or require additional information. We look forward to working with you and your staff on this important project.

Very truly yours,



James E. Gribi  
Registered Geologist  
California No. 5843

JEG:ct  
Enclosure

c Mike Alo; Liquid Sugars, Inc.  
Rory Campbell; Hanson, Bridgett, Marcus, Vlahos & Rudy, LLP

A:\lsi-n-wpapprove.lt1.wpd