

June 26, 2001 11-12:45
Meeting @ City of Camarillo
Proposed Pulte Homes

Name	Company	Phone
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Tim Clark	Cornish & Carey	923-6247
Janet Deyrit	City	596 4256
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Steve Kambach	Pulte Homes	925.249.3253
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For PNA Compounds By EPA Method 8270C SIM

Client Sample ID:	GMX-TRN-8A-1.0	Client:	Geomatrix Consultants, Inc.
Date Received:	04/10/00	Project:	6262.000.0
Date Extracted:	04/10/00	Lab ID:	004051-02 1/10
Date Analyzed:	04/12/00	Data File:	041215.D
Matrix:	Soil	Instrument:	GCMS#2
Units:	ug/kg (ppb)	Operator:	YA

Surrogates:	% Recovery	Lower Limit	Upper Limit
Anthracene-d10	109	50	150
Benzo(a)anthracene-d12	102	50	150

Compounds:	Concentration ug/kg (ppb)
Naphthalene	<50
Acenaphthylene	<50
Acenaphthene	<50
Fluorene	<50
Phenanthrene	<50
Anthracene	<50
Fluoranthene	<50
Pyrene	<50
Benz(a)anthracene	<50
Chrysene	<50
Benzo(b)fluoranthene	<50
Benzo(k)fluoranthene	<50
Benzo(a)pyrene	<50
Indeno(1,2,3-cd)pyrene	<50
Dibenzo(a,h)anthracene	<50
Benzo(g,h,i)perylene	<50

Note: The sample was diluted due to high levels of interfering compounds. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: GMX-TRN-7A-1.0
 Date Received: 04/10/00
 Date Extracted: 04/10/00
 Date Analyzed: 04/10/00
 Matrix: Soil
 Units: ug/kg (ppb)

Client: Geomatrix Consultants, Inc.
 Project: 6262.000.0
 Lab ID: 004051-03
 Data File: 041025.D
 Instrument: 5972 -Ins
 Operator: YA

Surrogates:	% Recovery	Lower Limit	Upper Limit
Dibromofluoromethane	103	50	150
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	94	50	150
4-Bromofluorobenzene	125 I	50	150

Compounds:	Concentration ug/kg (ppb)	Compounds:	Concentration ug/kg (ppb)
Dichlorodifluoromethane	<5	Tetrachloroethene	△5
Chloromethane	<5	Dibromochloromethane	△5
Vinyl chloride	<5	1,2-Dibromoethane (EDB)	△5
Bromomethane	<5	Chlorobenzene	△5
Chloroethane	<5	Ethylbenzene	△5
Trichlorofluoromethane	<5	1,1,1,2-Tetrachloroethane	△5
Acetone	<50	m,p-Xylene	△5
1,1-Dichloroethene	<5	o-Xylene	△5
Methylene chloride	<50	Styrene	△5
trans-1,2-Dichloroethene	<5	Isopropylbenzene	△5
1,1-Dichloroethane	<5	Bromoform	△5
2,2-Dichloropropane	<5	n-Propylbenzene	△5 I
cis-1,2-Dichloroethene	<5	Bromobenzene	△5 I
Chloroform	<5	1,3,5-Trimethylbenzene	△5 I
2-Butanone (MEK)	<50	1,1,2,2-Tetrachloroethane	△5 I
1,2-Dichloroethane (EDC)	<5	1,2,3-Trichloropropane	△5 I
1,1,1-Trichloroethane	<5	2-Chlorotoluene	△5 I
1,1-Dichloropropene	<5	4-Chlorotoluene	△5 I
Carbon Tetrachloride	<5	tert-Butylbenzene	△5 I
Benzene	<5	1,2,4-Trimethylbenzene	△5 I
Trichloroethene	<5	sec-Butylbenzene	△5 I
1,2-Dichloropropane	<5	p-Isopropyltoluene	△5 I
Bromodichloromethane	<5	1,3-Dichlorobenzene	△5 I
Dibromomethane	<5	1,4-Dichlorobenzene	△5 I
4-Methyl-2-pentanone	<50	1,2-Dichlorobenzene	△5 I
cis-1,3-Dichloropropene	<5	1,2-Dibromo-3-chloropropane	△5 I
Toluene	<5	1,2,4-Trichlorobenzene	△5 I
trans-1,3-Dichloropropene	<5	Hexachlorobutadiene	△5 I
1,1,2-Trichloroethane	<5	Naphthalene	△5 I
2-Hexanone	<50	1,2,3-Trichlorobenzene	△5 I
1,3-Dichloropropane	<5		

I - The internal standard associated with the analyte is out of control limits. The reporting limit or reported concentration is an estimate.

HML USERS MANUAL

Section no.: 4.4
 Revision no.: 3
 Date: October 31, 1989
 Page 38 of 44

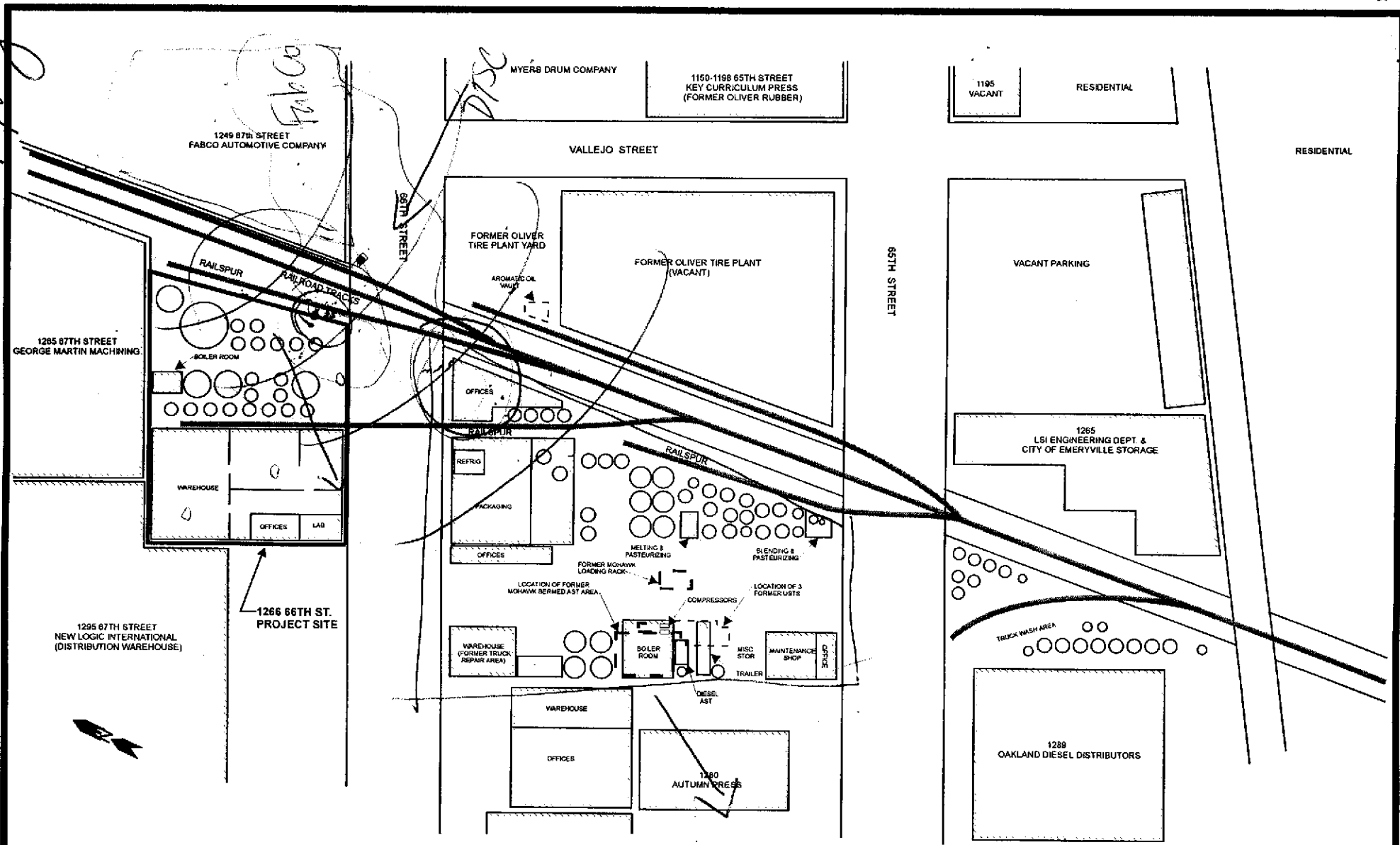
Table 4.4-1. Water Analysis Methods, Turn-around Times, and Quality Assurance Requirements.

CAD
 METALS

CATEGORY	METHOD #	REFERENCE	DETECTION LIMIT (ug/L)	ACCURACY %	PRECISION ^c %	Q A / Q C PROTOCOL
As, Ba, Be, Bi, Br, Cd, Cr, Cu, Pb, Se, Ni, Sr, Ag, Tl, V, Zn	200 Series	d	10-100 ^b	80 - 120	20	A,B,C,D,E
Mercury	245	d	0.5	80 - 120	20	A,B,C,D,E
Chromium (VI)	218.5	d	50	85 - 115	10	A,B,C,D,E
Sulfide	376	d	100	85 - 115	10	A,B,C,D,E
Cyanide	335	d	40	85 - 115	10	A,B,C,D,E
Fluoride	340/300 ^h	d	100	85 - 115	15	A,B,C,D,E
Chloride	325/300 ^h	d	3000	85 - 115	15	A,B,C,D,E
Nitrite	354/300 ^h	d	300	85 - 115	15	A,B,C,D,E
Nitrate	352/300 ^h	d	300	85 - 115	15	A,B,C,D,E
Sulfate	375/300 ^h	d	5000	85 - 115	15	A,B,C,D,E
Purgeable Halocarbon	601	e	0.02-2.0 ^b	70 - 110 ^b	25	A,B,C,D,E
Purgeable Aromatics	602	e	0.2-4.0 ^b	40 - 110 ^b	25	A,B,C,D,E
Phenols	604	e	0.2-20 ^b	40 - 110 ^b	20	A,B,C,D,E
Organochlorine Pesticides and PCBs	608	e	0.02-1.0	85 - 115	10	A,B,C,D,E
PAHs	610	e	0.02-2.5 ^b	80 - 120 ^b	15	A,B,C,D,E
Organophosphorus Pesticides	614/622	a	0.02-5.0 ^b	50 - 120 ^b	20	A,B,C,D,E
Chlorophenoxy Herbicides	509B ^f	f	10	60 - 110 ^b	15	A,B,C,D,E
Purgeables	624	e	5.0-10 ^b	60 - 145 ^b	25	A,B,C,D,E
Base/Neutral & Acids	625	e	10-50 ^b	10 - 130 ^b	50	A,B,C,D,E
Carbamates	632	a	0.01-0.5 ^b	40 - 110 ^b	15	A,B,C,D,E
pH	150	d				A,C
Fish Bioassay	Section 66696 (a)(4)	g				A,F,G

a Methods for Nonconventional Pesticides Chemicals Analysis of Industrial and Municipal Wastewater, Test Methods, EPA-440/1-83/079-C.
 b Check methods for values of specific species.
 c Maximum relative percent difference (RPD) of duplicates at ten or more times the limit of detection.
 d Methods for Chemical Analysis of Water & Wastes, EPA 600/4-79-020.

0-0001/day



NOTES

- - VERTICAL PRODUCT SILO/TANK
- - RAILROAD TRACKS OR RAILSPUR

ALL LSI PARCELS ARE PAVED (90+% CONCRETE)

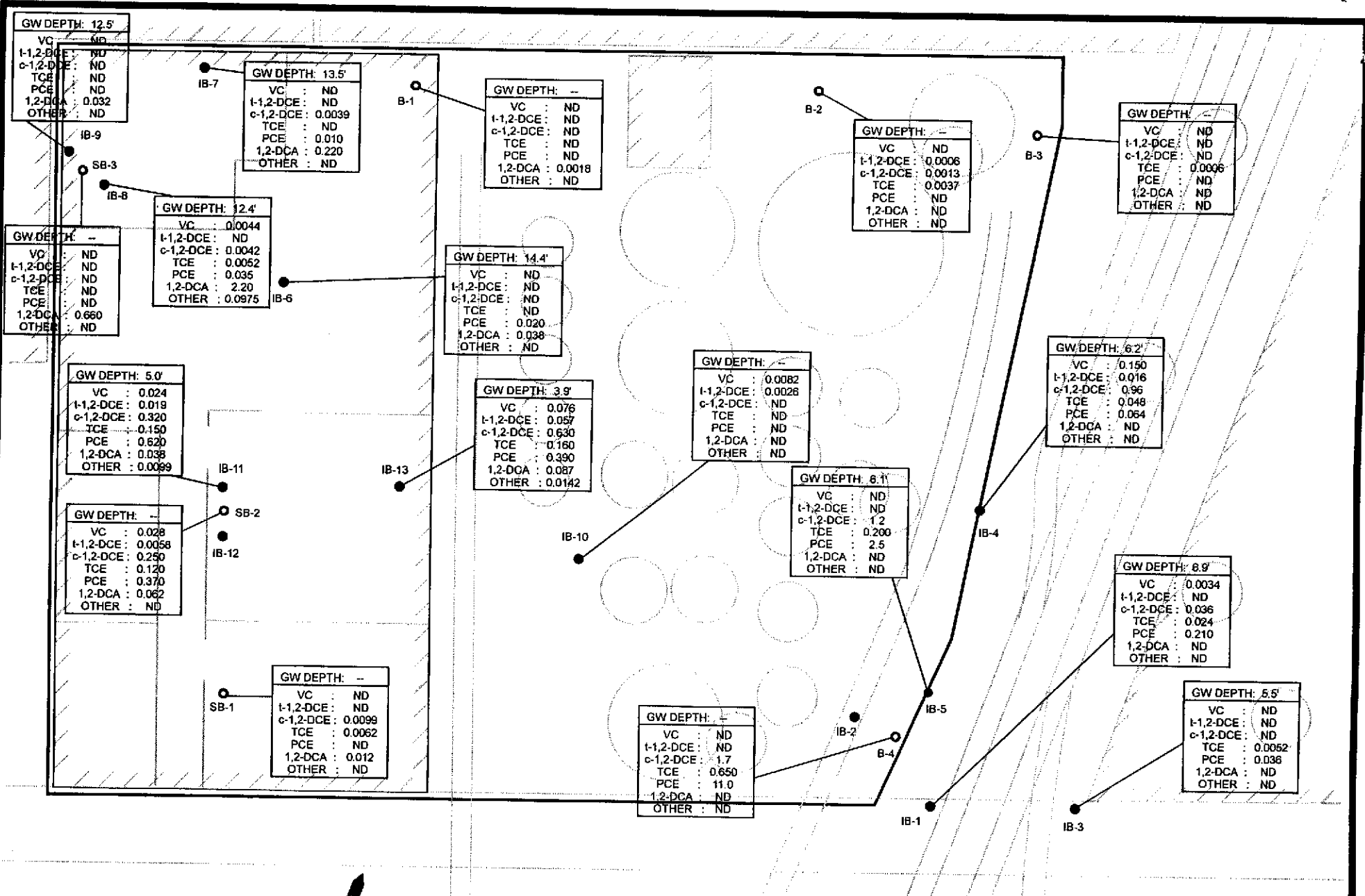
0 70 140
APPROX. SCALE IN FEET

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

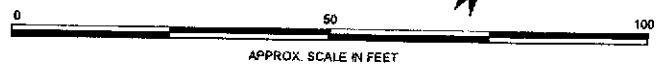
SITE AREA MAP
LIQUID SUGARS, INC. FACILITY
EMERYVILLE, CALIFORNIA

DATE: 06/09/99 FIGURE: 2

GRIBI Associates

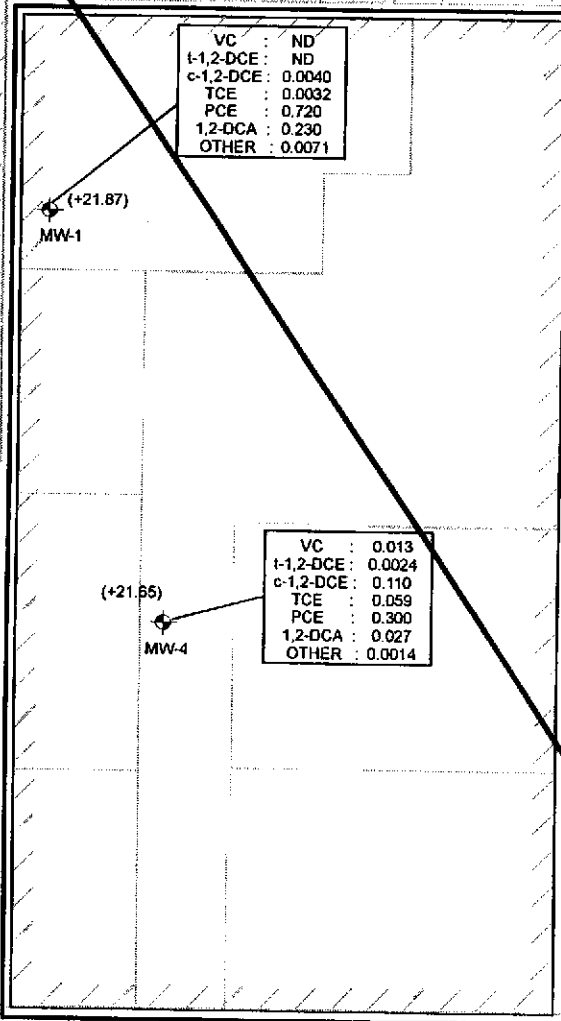


- - GRIBI ASSOCIATES BORING
- - GEOMATRIX BORING



NOTE: GROUNDWATER DEPTHS FOR INSIDE BORINGS REDUCED 2.7 FEET TO MATCH OUTSIDE GROUND SURFACE DATUM.

DESIGNED BY:	CHECKED BY:	GROUNDWATER HVOC RESULTS	DATE: 06/09/99	FIGURE: 5
DRAWN BY: JG	SCALE:		LIQUID SUGARS, INC. FACILITY 1266 66TH STREET EMERYVILLE, CALIFORNIA	
PROJECT NO: 149-01-03		GRIBI Associates		



VC : ND
 t-1,2-DCE : ND
 c-1,2-DCE : 0.0040
 TCE : 0.0032
 PCE : 0.720
 1,2-DCA : 0.230
 OTHER : 0.0071

VC : 0.013
 t-1,2-DCE : 0.0024
 c-1,2-DCE : 0.110
 TCE : 0.059
 PCE : 0.300
 1,2-DCA : 0.027
 OTHER : 0.0014

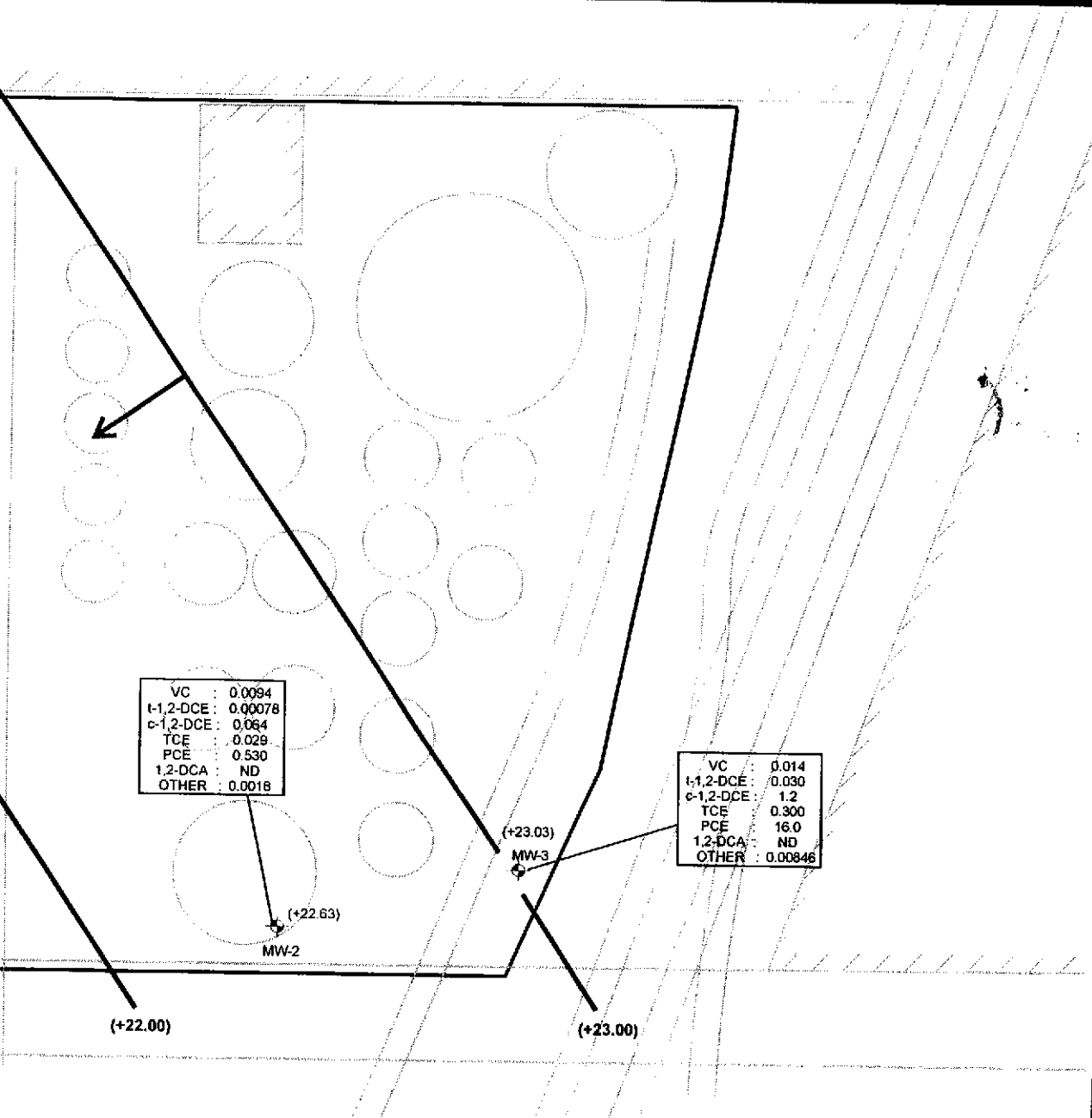
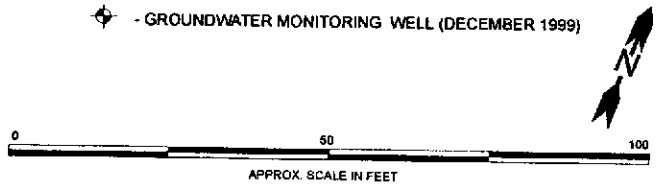
VC : 0.0094
 t-1,2-DCE : 0.00078
 c-1,2-DCE : 0.064
 TCE : 0.029
 PCE : 0.530
 1,2-DCA : ND
 OTHER : 0.0018

VC : 0.014
 t-1,2-DCE : 0.030
 c-1,2-DCE : 1.2
 TCE : 0.300
 PCE : 16.0
 1,2-DCA : ND
 OTHER : 0.00846

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

**GROUNDWATER GRADIENT &
 HVOC RESULTS - 12/22/99**
 LIQUID SUGARS, INC. FACILITY
 1266 66TH STREET
 EMERYVILLE, CALIFORNIA

DATE: 01/10/00 FIGURE: 4
GRIBI Associates



VC : 0.013
 t-1,2-DCE : 0.0024
 c-1,2-DCE : 0.110
 TCE : 0.059
 PCE : 0.300
 1,2-DCA : 0.027
 OTHER : 0.0014

VC : 0.0094
 t-1,2-DCE : 0.00078
 c-1,2-DCE : 0.064
 TCE : 0.029
 PCE : 0.530
 1,2-DCA : ND
 OTHER : 0.0018

VC : 0.014
 t-1,2-DCE : 0.030
 c-1,2-DCE : 1.2
 TCE : 0.300
 PCE : 16.0
 1,2-DCA : ND
 OTHER : 0.00846

(+21.00)

(+22.00)

(+23.00)

VC : ND
 t-1,2-DCE : ND
 c-1,2-DCE : 0.0021
 TCE : 0.0025
 PCE : 0.021
 1,2-DCA : 0.350
 OTHER : 0.0092

(+20.99)
 MW-1

VC : 0.014
 t-1,2-DCE : 0.0029
 c-1,2-DCE : 0.078
 TCE : 0.037
 PCE : 0.180
 1,2-DCA : 0.019
 OTHER : 0.0014

(+20.97)
 MW-4

VC : 0.0088
 t-1,2-DCE : 0.0012
 c-1,2-DCE : 0.039
 TCE : 0.052
 PCE : 1.00
 1,2-DCA : 0.0032
 OTHER : 0.0068

(+22.32 EST.)
 MW-2

VC : 0.019
 t-1,2-DCE : 0.050
 c-1,2-DCE : 0.650
 TCE : 0.360
 PCE : 17.0
 1,2-DCA : ND
 OTHER : 0.0058

MW-3
 (+22.61)

⊕ - GROUNDWATER MONITORING WELL (DECEMBER 1999)

GROUNDWATER GRADIENT = 0.011 FT/FT

ALL UNITS IN MG/L (PARTS PER MILLION)



DESIGNED BY:	CHECKED BY:
DRAWN BY: JG	SCALE:
PROJECT NO: 182-01-01	

GROUNDWATER GRADIENT & HVOC RESULTS - 10/18/00
 CALVEST PROPERTY
 1266 66TH STREET
 EMERYVILLE, CALIFORNIA

DATE: 01/26/01	FIGURE: 3
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GRIBI Associates

Table 1
SUMMARY OF GROUNDWATER HVOC ANALYTICAL RESULTS
Calvest Property, 1266 66th Street

Sample ID	Sample Date	GW Elevation	Concentration (ppm)						
			VC	t-1,2-DCE	c-1,2-DCE	TCE	PCE	1,2-DCA	Other
MW-1	12/22/99	21.87 ft	<0.00050	<0.00050	0.0040	0.0032	0.720	0.230	0.0071¹
<30.18>	03/21/00	23.82 ft	<0.00050	<0.00050	0.0012	0.0013	0.010	0.290	0.0078²
	06/28/00	22.28 ft	<0.00050	<0.00050	<0.0025	<0.0025	0.015	0.450	0.0163³
	10/18/00	20.99 ft	<0.00050	<0.00050	0.0021	0.0025	0.021	0.350	0.0092⁴
MW-2	12/22/99	22.63 ft	0.0094	0.00078	0.064	0.029	0.530	<0.00050	0.0018⁵
<29.48>	03/21/00	23.72 ft	<0.0020	<0.0020	0.0029	0.043	0.780	<0.0020	0.0042⁶
	06/28/00	23.13 ft	<0.012	<0.012	<0.012	<0.012	0.800	<0.012	<0.012
	10/18/00	(22.32 ft) ¹	0.0088	0.0012	0.039	0.052	1.00	0.0037	0.0068⁷
MW-3	12/22/99	23.03 ft	0.014	0.030	1.2	0.300	16.0	<0.00050	0.00846⁸
<29.04>	03/21/00	24.06 ft	<0.050	<0.050	1.1	0.270	24.0	<0.050	<0.050
	06/28/00	23.53 ft	<0.500	<0.500	<0.500	<0.500	210.0	<0.500	<0.500
	10/18/00	22.61 ft	0.019	0.050	0.650	0.360	17.0	<0.00050	0.0058⁹
MW-4	12/22/99	21.65 ft	0.013	0.0024	0.110	0.059	0.300	0.027	0.0014¹⁰
<30.00>	03/21/00	23.93 ft	0.0055	0.0014	0.054	0.037	0.150	0.016	0.0073¹¹
	06/28/00	22.21 ft	<0.005	<0.0025	0.082	0.039	1.10	<0.0025	<0.0025
	10/18/00	20.97 ft	0.014	0.0029	0.078	0.037	0.180	0.019	0.0014¹²

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 = Sum of 0.0060 ppm of Chloroform and 0.0011 ppm of 1,2-Dichloropropane

3 = Sum of 0.0063 ppm of Methylene Chloride and 0.010 ppm of Chloroform.

4 = 0.0073 ppm of Chloroform and 0.0019 ppm of 1,2-Dichloropropane.

5 = 0.0018 ppm of 1,1-Dichloroethene.

6 = 0.0042 ppm of 1,1-Dichloroethene.

7 = 0.0055 ppm of 1,1-Dichloroethene and 1.3 ppm of Methylene Chloride.

8 = Sum of 0.0075 ppm of 1,1-Dichloroethene and 0.00096 ppm of 1,1,2-Trichloroethane.

9 = 0.0058 ppm of 1,1-Dichloroethene

10 = 0.0014 ppm of 1,1-Dichloroethene.

11 = 0.0011 ppm of 1,1-Dichloroethene and 0.0062 ppm of 1,1-Dichloroethane.

12 = 0.0014 ppm of 1,1-Dichloroethene