Dreyer's
Grand Ice Cream

ENVIRONMENTAL
PROTECTION
99 JAN -5 PM 3:10

December 31, 1998

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5115

Ms. Juliet Shin
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Subject: **Fourth Quarter 1998 Groundwater Monitoring Report**
Dreyer's Grand Ice Cream
5929 College Avenue
Oakland, California

Dear Ms. Shin:

Dreyer's Grand Ice Cream (Dreyer's) is pleased to submit this report summarizing activities conducted at the site during the fourth quarter of 1998 at the above-referenced facility. Per your letter of September 29, 1998, Dreyer's has reinstated quarterly groundwater monitoring at the above-referenced site.

If you have any questions, please contact me at (510) 601-4351, or Mr. Grover Buhr at CET Environmental Services, Inc. at (510) 243-9500.

Sincerely,

Gwen M. Brennan

Gwen M. Brennan
Office/Building Manager

Attachment

cc: Rich Hiett, Regional Water Quality Control Board

A:\3987\98\DRSUBLET.WPD

CET Environmental
Services, Inc.

3033 Richmond Parkway, Suite 300
Richmond, California 94806
Telephone: (510) 243-9500
Facsimile: (510) 243-9501

December 30, 1998

Ms. Gwen M. Brennan
Dreyer's Grand Ice Cream
5929 College Avenue
Oakland, CA 94618

Subject: **Fourth Quarter 1998 Groundwater Monitoring Report**
Dreyer's Grand Ice Cream
5929 College Avenue, Oakland, California
CET Project No. 3987

Dear Ms. Brennan:

CET Environmental Services, Inc. (CET), is pleased to present this report which summarizes the activities conducted by CET during the fourth quarter of 1998 at the above-referenced facility (herein called the site). The activities conducted during the fourth quarter included responding to information requested by the Alameda County Environmental Health Care Services Agency (ACHCSA), contracting for the wells to be re-surveyed, measuring groundwater levels, sampling groundwater, and laboratory analysis of samples.

During this quarter, CET has been responding to the letter sent by the ACHCSA to Dreyer's Grand Ice Cream (Dreyer's) on September 29, 1998. In that letter the ACHCSA stated that quarterly groundwater monitoring at the site must be reinstated, and requested information regarding past activities at the site and current environmental conditions at the site and vicinity. On behalf of Dreyer's, CET sent to the ACHCSA information addressing the issues raised in the September 29 letter in two letters dated October 27, 1998 and November 16, 1998. As of the writing of this report, CET has not obtained all of the information requested, and is working to obtain all of the information.

The monitoring activities were performed in compliance with the requirements of the ACHCSA, and were observed by a representative of the ACHCSA. The location of the site is presented on Plate 1, and a site plan showing current groundwater monitoring well locations is shown on Plate 2. These figures are included in Attachment A.

The following report includes a summary of activities conducted on-site during the fourth quarter, a summary of groundwater elevations and flow direction,

groundwater sample collection and analytical methods, the results of the laboratory analysis of the samples, a summary of the re-surveying of the groundwater monitoring wells, and a list of the activities planned for the site for the first quarter of 1999. Included in the attachments are: plates (Attachment A); tables (Attachment B); laboratory analytical reports, chain-of-custody and sample collection records (Attachment C); and limitations and uncertainty (Attachment D).

ON-SITE ACTIVITIES DURING THE FOURTH QUARTER

Prior to commencing groundwater monitoring activities on-site, CET submitted to the ACHCSA a letter dated October 22, 1998 stating the activities related to groundwater monitoring that CET proposed to conduct on the site. CET performed or supervised the following activities on-site during the fourth quarter 1998:

- Groundwater level measurements were collected from site wells on October 27, 1998.
- Groundwater samples were collected from site monitoring wells on October 27, 1998.
- Collected groundwater samples were transported to a state-certified laboratory for analysis.
- Each groundwater monitoring well was resurveyed on November 16, 1998.

GROUNDWATER MONITORING SUMMARY

Groundwater Elevations and Flow Direction

The groundwater level in each monitoring well was measured and recorded on October 27, 1998. The depth to water below the subject site ranged from 7.62 feet below ground surface (bgs) (MW6) to 12.40 feet bgs (MW1). Groundwater elevations (calculated using the newly surveyed wells, see below) are presented in Table 1 and are shown on Plate 3.

The groundwater flow direction for October 27, 1998 ranges from south-southwest (S18W) near MW4 to southwest (S68W) north of the former UST locations. The groundwater gradient calculated for the October 27, 1998 measurements is approximately 0.036 ft/ft near MW4 and 0.014 ft/ft north of the former UST

locations.

According to the Alameda County Flood Control and Water Conservation District (ACFCWCD), 1988, 205 (J) report: "Geohydrology and Groundwater - Quality Overview, East Bay Plain Area, Alameda County, California" the regional groundwater flow direction is toward the west-southwest.

Groundwater Sample Collection & Analytical Methods

On October 27, 1998 CET field personnel collected groundwater samples from all site monitoring wells (MW1 through MW6). The samples were transported and submitted in accordance with CET chain-of-custody protocol to Chromalab of Pleasanton, California, a state-certified laboratory. Copies of the sample collection records and chain-of-custody documents for the groundwater samples, are presented in Attachment C.

The samples were analyzed for total petroleum hydrocarbons as diesel and as gasoline (TPHd and TPHg, respectively) by EPA Method 8015; for benzene, toluene, ethyl benzene, and total xylenes (BTEX) by EPA Method 8020; for total oil and grease by Standard Method 5520 B&F; for fuel oxygenates and lead scavengers by EPA Method 8260; and for semivolatile compounds (SVOCs) by EPA Method 8270 (MW2 and MW5 only).

Groundwater Sample Analytical Results

Analytical data for groundwater samples collected from the site monitoring wells during the fourth quarter 1998 are summarized in Table 2 in Attachment B and on Plate 4. In summary, petroleum hydrocarbons, both TPHg and TPHd, were detected above the reporting limits in the samples collected from monitoring wells MW2 through MW6, and only TPHd was detected above the reporting limit in the sample from MW1. The highest concentrations of contaminants were generally in wells MW2 and MW5.

Concentrations of TPHg in groundwater samples ranged from 600 micrograms per liter (ug/L) in MW4, to 22,000 ug/L in MW5. Concentrations of BTEX compounds in groundwater samples ranged from 2.7 ug/L toluene in MW6 to 2,600 ug/L xylenes in MW2 and MW5. BTEX compounds were highest in well MW5, except for benzene which was highest in well MW3.

Concentrations of TPHd in groundwater samples ranged from 70 ug/L in MW1 to

11,000 ug/L in MW2. The detected hydrocarbon, although in the diesel range, comprised early (light) diesel constituents and did not match the standard diesel pattern.

Two SVOCs were detected in the groundwater samples from MW2 and MW5: 2-methylnaphthalene (at concentrations ranging from 87 ug/L in MW5 to 100 ug/L in MW2) and naphthalene (at a concentration of 320 ug/L in MW2 and MW5).

No fuel oxygenates, lead scavengers or oil and grease were detected in any of the samples from the monitoring wells. Because of the high concentration of petroleum hydrocarbon detected in wells MW2, MW3 and MW5, the reporting limits for fuel oxygenates were significantly elevated in the water samples from these wells.

RE-SURVEY OF GROUNDWATER MONITORING WELLS

On November 16, 1998, Logan Surveying of Benicia, California re-surveyed the location and elevation of each groundwater monitoring well on-site. The elevation of the top-of-casing (TOC) of each monitoring well was surveyed to a nearby City of Oakland benchmark. The new TOC elevations are presented in Table 1. The monitoring wells were re-surveyed because of their age, and because no record was found of the wells having been re-surveyed since they were installed.

PLANNED ACTIVITIES FOR FIRST QUARTER 1999

- Monitoring wells MW1 and MW5 will be redeveloped at least 72 hours prior to conducting quarterly monitoring during the first quarter of 1999.
- Groundwater level measurements will be collected from all site monitoring wells prior to groundwater sample collection.
- Groundwater samples will be collected from all site monitoring wells and submitted for laboratory analysis for TPHd and TPHg, respectively by EPA Method 8015; for BTEX by EPA Method 8020; for TOG by Standard Method 5520 B&F; for fuel oxygenates by EPA Method 8260; for lead scavengers by EPA Method 8010. Samples from wells MW2 and MW5 will also be analyzed for SVOCs by EPA Method 8270.
- A groundwater monitoring report will be prepared after completion of the activities for the quarter and submitted to the ACHCSA.

- CET will continue to research environmental issues regarding past activities at the site; utility lines in Chabot Road as potential migration pathways; and the possibility of migration of contaminants originating off-site.

Please call if you have any questions regarding this quarterly report.

Sincerely,

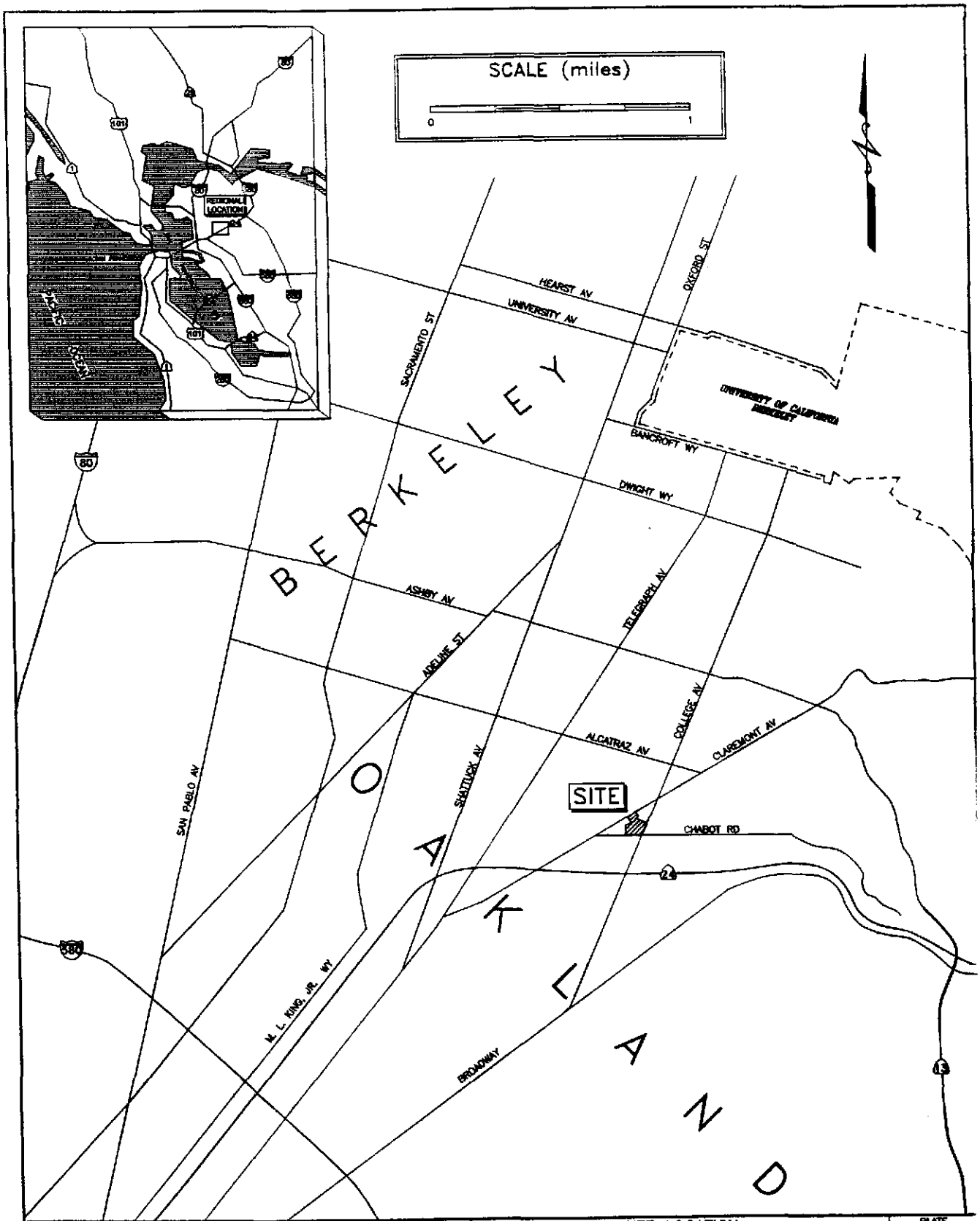
CET Environmental Services Inc.,

William Madison
Staff Geologist

Grover S. Buhr
California Registered Geologist No. 5596
Project Manager

Attachments

cc: Ms. Juliet Shin, ACHCSA
Rich Hiett, Regional Water Quality Control Board



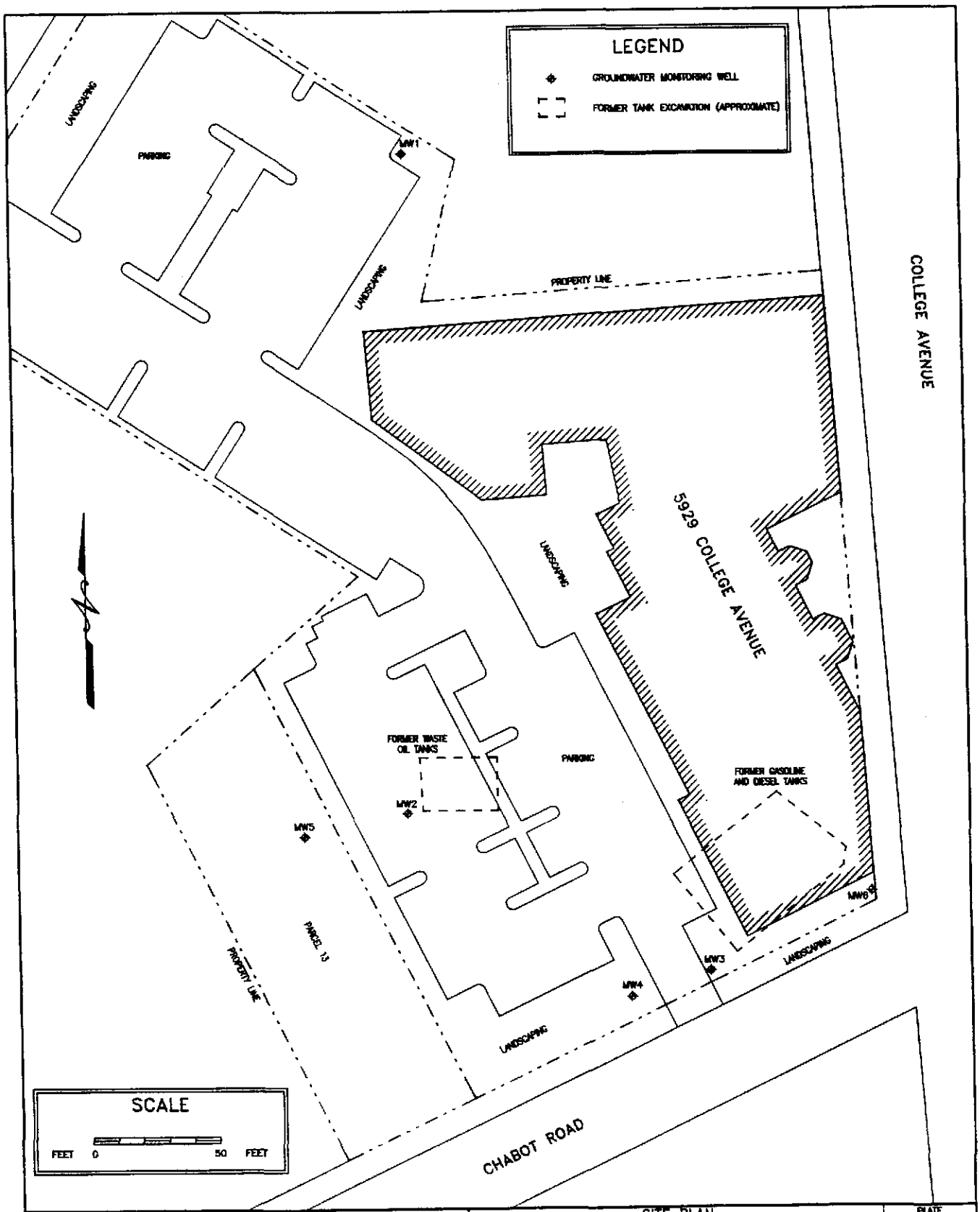
CET Environmental Services, Inc.

SITE LOCATION

DREYER'S GRAND ICE CREAM, INC.
5929 COLLEGE AVENUE
OAKLAND, CALIFORNIA

JOB NUMBER	DATE	DRAWING	BY	SCALE
3987	12/98	LOC	JL	ABOVE

PLATE 1



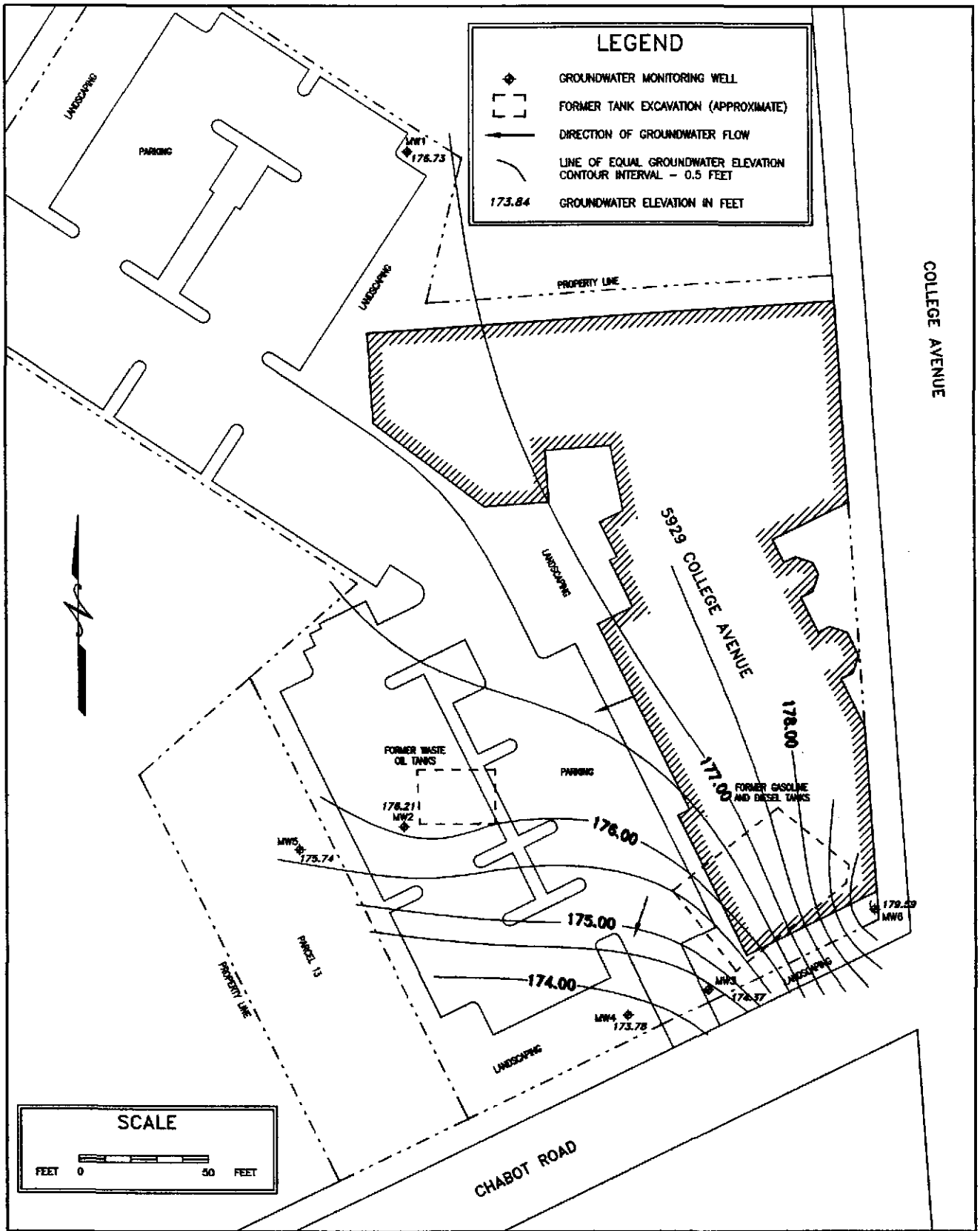
CET Environmental Services, Inc.

SITE PLAN

DREYER'S GRAND ICE CREAM, INC.
5929 COLLEGE AVENUE
OAKLAND, CALIFORNIA

JOB NUMBER	DATE	DRAWING	BY	REVISED
3987	12/98	SITEWELLS	JL/ZS	0/0

PLATE 2

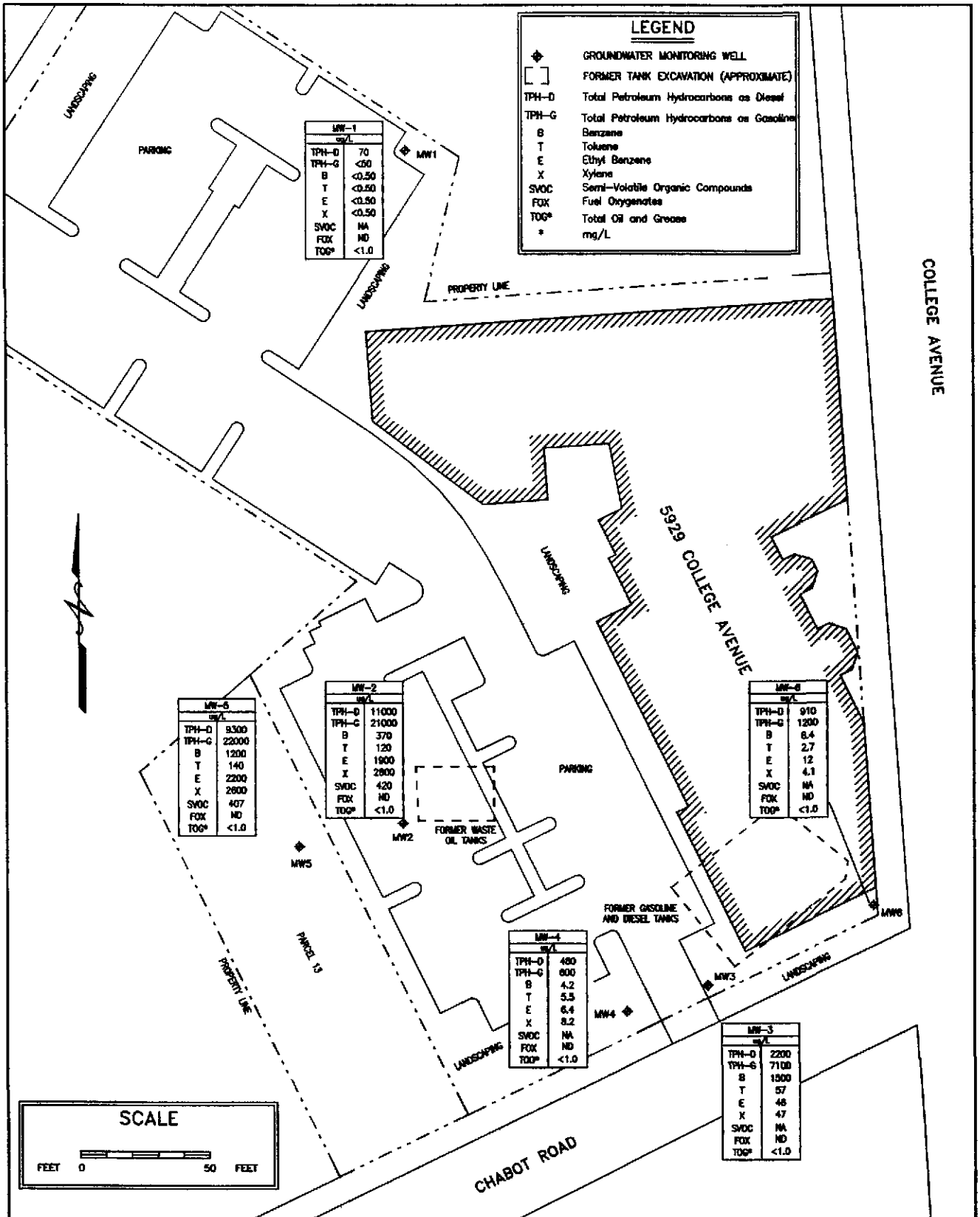


CET Environmental Services, Inc.

GROUNDWATER ELEVATIONS AND CONTOURS
10/27/98
DREYER'S GRAND ICE CREAM, INC.
5929 COLLEGE AVENUE
OAKLAND, CALIFORNIA

PLATE 3

JOB NUMBER	DATE	DRAWING	BY	REVISED
3987	12/98	GW12-98	Z.SUCHA	12/28



CET Environmental Services, Inc.

CHEMICAL DATA
10/27/98
DREYER'S GRAND ICE CREAM, INC.
5929 COLLEGE AVENUE
OAKLAND, CALIFORNIA

PLATE 4

JOB NUMBER	DATE	DRAWING	BY	REVISED
3987	12/98	CHEM	Z.SUCHA	00/00

TABLE 1

Groundwater Elevation Data
Dreyer's Grand Ice Cream, Inc.
5929 College Avenue
Oakland, California
CET Project # 3987-000

Well No.	TOC Elevation (feet)	Date	Groundwater Depth (feet)	Groundwater Elevation (feet)
MW1	189.13	10/27/98	12.40	176.73
MW2	185.76	10/27/98	9.55	176.21
MW3	185.21	10/27/98	10.84	174.37
MW4	184.75	10/27/98	10.97	173.78
MW5	184.75	10/27/98	9.01	175.74
MW6	187.21	10/27/98	7.62	179.59

TABLE 2

Groundwater Chamical Data Summary
Dreyer's Grand Ice Cream, Inc.
5929 College Avenue
Oakland, California
CET Project # 3987-000

Well No.	Sampling Date	TPHD	TPHG	B	T	E	X	2-MN	N	FOX	TOG
		µg/L									mg/L
MW1	10/27/98	70[b]	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	ND	<1.0
MW2	10/27/98	11000[a]	21000	370	120	1900	2600	100	320	ND	<1.0
MW3	10/27/98	2200[a]	7100	1500	57	46	47	NA	NA	ND	<1.0
MW4	10/27/98	480[a]	600	4.2	5.5	6.4	8.2	NA	NA	ND	<1.0
MW5	10/27/98	9300[a]	22000	1200	140	2200	2600	87	320	ND	<1.0
MW6	10/27/98	910[a]	1200	8.4	2.7	12	4.1	NA	NA	ND	<1.0

NOTES

TPHD = total petroleum hydrocarbons as diesel EPA Method 8015
TPHG = total petroleum hydrocarbons as gasoline by EPA Method 8015
B = benzene, T = toluene, E = ethyl benzene, X = xylenes by EPA Method 8020
2-MN = 2-methylnaphthalene by EPA Method 8270
N = naphthalene by EPA Method 8270
FOX = fuel oxygenates by EPA Method 8260
TOG = total oil and grease by Standard Method 5520 B & F
µg/L = micrograms per Liter, equal to parts per billion or ppb
mg/L = milligrams per Liter, equal to parts per million or ppm
NA = analysis was not requested
ND = not detected - see laboratory reports for reporting limts for each compound

a. Hydrocarbon reported is in the early Diesel Range and does not match the laboratory's Diesel Standard.
b. Hydrocarbon reported does not match the pattern of the laboratory's Diesel Standard.

ATTACHMENT C

Laboratory Analytical Reports
Chain-of-Custody Records
Sample Collection Records

CHROMALAB, INC.

Environmental Services (SDB)

November 3, 1998 *Submission #:* 9810466

CET ENVIRONMENTAL SERVICES

Atten: Grover Buhr

Project: DREYER'S GRAND *Project#:* 3987-000
Received: October 28, 1998

re: One sample for Semivolatile Organics (B/NAs) analysis.
Method: *SW846 Method 8270A Nov 1990*

Client Sample ID: **MW-2**
Spl#: 212632 *Matrix:* WATER *Extracted:* October 29, 1998
Sampled: October 27, 1998 *Run#:* 15664 *Analyzed:* October 29, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
PHENOL	N.D.	2.0	N.D.	73.5	1
BIS(2-CHLOROETHYL)ETHER	N.D.	2.0	N.D.	--	1
2-CHLOROPHENOL	N.D.	2.0	N.D.	73.2	1
1,3-DICHLOROBENZENE	N.D.	2.0	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	2.0	N.D.	73.7	1
BENZYL ALCOHOL	N.D.	5.0	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	2.0	N.D.	--	1
2-METHYLPHENOL	N.D.	2.0	N.D.	--	1
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	2.0	N.D.	--	1
4-METHYLPHENOL	N.D.	2.0	N.D.	--	1
N-NITROSO-DI-N-PROPYLAMINE	N.D.	2.0	N.D.	77.7	1
HEXACHLOROETHANE	N.D.	2.0	N.D.	--	1
NITROBENZENE	N.D.	2.0	N.D.	--	1
ISOPHORONE	N.D.	2.0	N.D.	--	1
2-NITROPHENOL	N.D.	2.0	N.D.	--	1
2,4-DIMETHYLPHENOL	N.D.	2.0	N.D.	--	1
BIS(2-CHLOROETHOXY)METHANE	N.D.	5.0	N.D.	--	1
2,4-DICHLOROPHENOL	N.D.	2.0	N.D.	--	1
1,2,4-TRICHLOROBENZENE	N.D.	2.0	N.D.	74.7	1
4-CHLOROANILINE	N.D.	2.0	N.D.	--	1
HEXACHLOROBUTADIENE	N.D.	2.0	N.D.	--	1
4-CHLORO-3-METHYLPHENOL	N.D.	5.0	N.D.	78.0	1
2-METHYLNAPHTHALENE	100	2.0	N.D.	--	1
HEXACHLOROCYCLOPENTADIENE	N.D.	2.0	N.D.	--	1
2,4,6-TRICHLOROPHENOL	N.D.	2.0	N.D.	--	1
2,4,5-TRICHLOROPHENOL	N.D.	2.0	N.D.	--	1
2-CHLORONAPHTHALENE	N.D.	2.0	N.D.	--	1
2-NITROANILINE	N.D.	10	N.D.	--	1
DIMETHYL PHTHALATE	N.D.	5.0	N.D.	--	1
ACENAPHTHYLENE	N.D.	2.0	N.D.	--	1
3-NITROANILINE	N.D.	10	N.D.	--	1
ACENAPHTHENE	N.D.	2.0	N.D.	74.0	1
2,4-DINITROPHENOL	N.D.	10	N.D.	--	1
4-NITROPHENOL	N.D.	10	N.D.	70.8	1
DIBENZOFURAN	N.D.	2.0	N.D.	--	1
2,4-DINITROTOLUENE	N.D.	2.0	N.D.	77.3	1
2,6-DINITROTOLUENE	N.D.	5.0	N.D.	--	1
DIETHYL PHTHALATE	N.D.	5.0	N.D.	--	1
4-CHLOROPHENYL PHENYL ETHER	N.D.	2.0	N.D.	--	1
FLUORENE	N.D.	5.0	N.D.	--	1

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

CHROMALAB, INC.

Environmental Services (SDB)

November 3, 1998

Submission #: 9810466
page 2

CET ENVIRONMENTAL SERVICES

Atten: Grover Buhr

Project: DREYER'S GRAND *Project#:* 3987-000
Received: October 28, 1998

re: One sample for Semivolatile Organics (B/NAs) analysis, continued.
Method: *SW846 Method 8270A Nov 1990*

Client Sample ID: **MW-2**
Spl#: 212632 *Matrix:* WATER *Extracted:* October 29, 1998
Sampled: October 27, 1998 *Run#:* 15664 *Analyzed:* October 29, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
4-NITROANILINE	N.D.	10	N.D.	--	1
2-METHYL-4,6-DINITROPHENOL	N.D.	10	N.D.	--	1
n-NITROSODIPHENYLAMINE	N.D.	2.0	N.D.	--	1
4-BROMOPHENYL PHENYL ETHER	N.D.	5.0	N.D.	--	1
HEXACHLOROBENZENE	N.D.	2.0	N.D.	--	1
PENTACHLOROPHENOL	N.D.	10	N.D.	67.7	1
PHENANTHRENE	N.D.	2.0	N.D.	--	1
ANTHRACENE	N.D.	2.0	N.D.	--	1
DI-N-BUTYL PHTHALATE	N.D.	5.0	N.D.	--	1
FLUORANTHENE	N.D.	2.0	N.D.	--	1
PYRENE	N.D.	2.0	N.D.	76.3	1
BUTYL BENZYL PHTHALATE	N.D.	5.0	N.D.	--	1
3,3'-DICHLOROBENZIDINE	N.D.	5.0	N.D.	--	1
BENZO(A)ANTHRACENE	N.D.	2.0	N.D.	--	1
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	5.0	N.D.	--	1
CHRYSENE	N.D.	2.0	N.D.	--	1
DI-N-OCTYL PHTHALATE	N.D.	5.0	N.D.	--	1
BENZO(B)FLUORANTHENE	N.D.	2.0	N.D.	--	1
BENZO(K)FLUORANTHENE	N.D.	2.0	N.D.	--	1
BENZO(A)PYRENE	N.D.	2.0	N.D.	--	1
INDENO(1,2,3 C,D)PYRENE	N.D.	2.0	N.D.	--	1
DIBENZO(A,H)ANTHRACENE	N.D.	2.0	N.D.	--	1
BENZO(G,H,I)PERYLENE	N.D.	2.0	N.D.	--	1
BENZOIC ACID	N.D.	10	N.D.	--	1
NAPHTHALENE	320	10	N.D.	--	5

Michael Lee
Analyst

Michael Verona
Operations Manager

510-243-9501 GC 11104

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

CHROMALAB, INC.

Environmental Services (SDB)

November 3, 1998 *Submission #:* 9810466

CET ENVIRONMENTAL SERVICES

Atten: Grover Buhr

Project: DREYER'S GRAND *Project#:* 3987-000
Received: October 28, 1998

re: One sample for Semivolatile Organics (B/NAs) analysis.
Method: *SW846 Method 8270A Nov 1990*

Client Sample ID: **MW-5**
Spl#: 212633 *Matrix:* WATER *Extracted:* October 29, 1998
Sampled: October 27, 1998 *Run#:* 15664 *Analyzed:* October 29, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
PHENOL	N.D.	2.0	N.D.	73.5	1
BIS(2-CHLOROETHYL)ETHER	N.D.	2.0	N.D.	--	1
2-CHLOROPHENOL	N.D.	2.0	N.D.	73.2	1
1,3-DICHLOROBENZENE	N.D.	2.0	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	2.0	N.D.	73.7	1
BENZYL ALCOHOL	N.D.	5.0	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	2.0	N.D.	--	1
2-METHYLPHENOL	N.D.	2.0	N.D.	--	1
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	2.0	N.D.	--	1
4-METHYLPHENOL	N.D.	2.0	N.D.	--	1
N-NITROSO-DI-N-PROPYLAMINE	N.D.	2.0	N.D.	77.7	1
HEXACHLOROETHANE	N.D.	2.0	N.D.	--	1
NITROBENZENE	N.D.	2.0	N.D.	--	1
ISOPHORONE	N.D.	2.0	N.D.	--	1
2-NITROPHENOL	N.D.	2.0	N.D.	--	1
2,4-DIMETHYLPHENOL	N.D.	2.0	N.D.	--	1
BIS(2-CHLOROETHOXY)METHANE	N.D.	5.0	N.D.	--	1
2,4-DICHLOROPHENOL	N.D.	2.0	N.D.	--	1
1,2,4-TRICHLOROBENZENE	N.D.	2.0	N.D.	74.7	1
4-CHLOROANILINE	N.D.	2.0	N.D.	--	1
HEXACHLOROBUTADIENE	N.D.	2.0	N.D.	--	1
4-CHLORO-3-METHYLPHENOL	N.D.	5.0	N.D.	78.0	1
2-METHYLNAPHTHALENE	87	2.0	N.D.	--	1
HEXACHLOROCYCLOPENTADIENE	N.D.	2.0	N.D.	--	1
2,4,6-TRICHLOROPHENOL	N.D.	2.0	N.D.	--	1
2,4,5-TRICHLOROPHENOL	N.D.	2.0	N.D.	--	1
2-CHLORONAPHTHALENE	N.D.	2.0	N.D.	--	1
2-NITROANILINE	N.D.	10	N.D.	--	1
DIMETHYL PHTHALATE	N.D.	5.0	N.D.	--	1
ACENAPHTHYLENE	N.D.	2.0	N.D.	--	1
3-NITROANILINE	N.D.	10	N.D.	--	1
ACENAPHTHENE	N.D.	2.0	N.D.	74.0	1
2,4-DINITROPHENOL	N.D.	10	N.D.	--	1
4-NITROPHENOL	N.D.	10	N.D.	70.8	1
DIBENZOFURAN	N.D.	2.0	N.D.	--	1
2,4-DINITROTOLUENE	N.D.	2.0	N.D.	77.3	1
2,6-DINITROTOLUENE	N.D.	5.0	N.D.	--	1
DIETHYL PHTHALATE	N.D.	5.0	N.D.	--	1
4-CHLOROPHENYL PHENYL ETHER	N.D.	2.0	N.D.	--	1
FLUORENE	N.D.	5.0	N.D.	--	1

CHROMALAB, INC.

Environmental Services (SDB)

November 3, 1998

Submission #: 9810466
page 2

CET ENVIRONMENTAL SERVICES

Atten: Grover Buhr

Project: DREYER'S GRAND *Project#:* 3987-000
Received: October 28, 1998

re: One sample for Semivolatile Organics (B/NAs) analysis, continued.
Method: *SW846 Method 8270A Nov 1990*

Client Sample ID: **MW-5**
Spl#: 212633 *Matrix:* WATER *Extracted:* October 29, 1998
Sampled: October 27, 1998 *Run#:* 15664 *Analyzed:* October 29, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
4-NITROANILINE	N.D.	10	N.D.	--	1
2-METHYL-4,6-DINITROPHENOL	N.D.	10	N.D.	--	1
n-NITROSODIPHENYLAMINE	N.D.	2.0	N.D.	--	1
4-BROMOPHENYL PHENYL ETHER	N.D.	5.0	N.D.	--	1
HEXACHLOROBENZENE	N.D.	2.0	N.D.	--	1
PENTACHLOROPHENOL	N.D.	10	N.D.	67.7	1
PHENANTHRENE	N.D.	2.0	N.D.	--	1
ANTHRACENE	N.D.	2.0	N.D.	--	1
DI-N-BUTYL PHTHALATE	N.D.	5.0	N.D.	--	1
FLUORANTHENE	N.D.	2.0	N.D.	--	1
PYRENE	N.D.	2.0	N.D.	76.3	1
BUTYL BENZYL PHTHALATE	N.D.	5.0	N.D.	--	1
3,3'-DICHLOROBENZIDINE	N.D.	5.0	N.D.	--	1
BENZO(A)ANTHRACENE	N.D.	2.0	N.D.	--	1
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	5.0	N.D.	--	1
CHRYSENE	N.D.	2.0	N.D.	--	1
DI-N-OCTYL PHTHALATE	N.D.	5.0	N.D.	--	1
BENZO(B)FLUORANTHENE	N.D.	2.0	N.D.	--	1
BENZO(K)FLUORANTHENE	N.D.	2.0	N.D.	--	1
BENZO(A)PYRENE	N.D.	2.0	N.D.	--	1
INDENO(1,2,3 C,D)PYRENE	N.D.	2.0	N.D.	--	1
DIBENZO(A,H)ANTHRACENE	N.D.	2.0	N.D.	--	1
BENZO(G,H,I)PERYLENE	N.D.	2.0	N.D.	--	1
BENZOIC ACID	N.D.	10	N.D.	--	1
NAPHTHALENE	320	10	N.D.	--	5

Michael Lee
Analyst

Michael Verona
Operations Manager

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

November 4, 1998 *Submission #:* 9810466

CET ENVIRONMENTAL SERVICES
Atten: Grover Buhr
Project: DREYER'S GRAND *Project#:* 3987-000
Received: October 28, 1998
re: One sample for Fuel Oxygenates by GC/MS analysis.
Method: *EPA SW846 Method 8260 Modified*

Client Sample ID: **MW-1**
Spl#: 212628 *Matrix:* WATER
Sampled: October 27, 1998 *Run#:* 15774 *Analyzed:* November 3, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
TERTIARY BUTYL ALCOHOL (TBA)	N.D.	5.0	N.D.	--	1
METHYL TERTIARY BUTYL ETHER (MTBE)	N.D.	5.0	N.D.	102	1
DI-ISOPROPYL ETHER (DIPE)	N.D.	10	N.D.	--	1
ETHYL TERTIARY BUTYL ETHER (ETBE)	N.D.	5.0	N.D.	--	1
TERTIARY AMYL METHYL ETHER (TAME)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
1,2-DIBROMOETHANE	N.D.	0.50	N.D.	--	1

Alex Tam
Analyst

Michael Verona
Operations Manager

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V080 0:0C0405 YT 11:

CHROMALAB, INC.

Environmental Services (SDB)

November 4, 1998 *Submission #:* 9810466

CET ENVIRONMENTAL SERVICES
Atten: Grover Buhr
Project: DREYER'S GRAND *Project#:* 3987-000
Received: October 28, 1998
re: One sample for Fuel Oxygenates by GC/MS analysis.
Method: *EPA SW846 Method 8260 Modified*

Client Sample ID: **MW-3**
Spl#: 212629 *Matrix:* WATER
Sampled: October 27, 1998 *Run#:* 15774 *Analyzed:* November 3, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
TERTIARY BUTYL ALCOHOL (TBA)	N.D.	50	N.D.	--	10
METHYL TERTIARY BUTYL ETHER (MTBE)	N.D.	50	N.D.	102	10
DI-ISOPROPYL ETHER (DIPE)	N.D.	100	N.D.	--	10
ETHYL TERTIARY BUTYL ETHER (ETBE)	N.D.	50	N.D.	--	10
TERTIARY AMYL METHYL ETHER (TAME)	N.D.	50	N.D.	--	10
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	10
1,2-DIBROMOETHANE	N.D.	5.0	N.D.	--	10

Note: Reporting limits raised due to presence of high level of nontarget compounds.

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Analyst

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CHROMALAB, INC.

Environmental Services (SDB)

November 4, 1998 *Submission #:* 9810466

CET ENVIRONMENTAL SERVICES
Atten: Grover Buhr
Project: DREYER'S GRAND *Project#:* 3987-000
Received: October 28, 1998
re: One sample for Fuel Oxygenates by GC/MS analysis.
Method: *EPA SW846 Method 8260 Modified*

Client Sample ID: **MW-4**
Spl#: 212630 *Matrix:* WATER
Sampled: October 27, 1998 *Run#:* 15774 *Analyzed:* November 3, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
TERTIARY BUTYL ALCOHOL (TBA)	N.D.	5.0	N.D.	--	1
METHYL TERTIARY BUTYL ETHER (MTBE)	N.D.	5.0	N.D.	102	1
DI-ISOPROPYL ETHER (DIPE)	N.D.	10	N.D.	--	1
ETHYL TERTIARY BUTYL ETHER (ETBE)	N.D.	5.0	N.D.	--	1
TERTIARY AMYL METHYL ETHER (TAME)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
1,2-DIBROMOETHANE	N.D.	0.50	N.D.	--	1

Alex Tam
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CHROMALAB, INC.

Environmental Services (SDB)

November 4, 1998 *Submission #:* 9810466

CET ENVIRONMENTAL SERVICES
Atten: Grover Buhr
Project: DREYER'S GRAND *Project#:* 3987-000
Received: October 28, 1998
re: One sample for Fuel Oxygenates by GC/MS analysis.
Method: *EPA SW846 Method 8260 Modified*

Client Sample ID: **MW-6**
Spl#: 212631 *Matrix:* WATER
Sampled: October 27, 1998 *Run#:* 15774 *Analyzed:* November 3, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
TERTIARY BUTYL ALCOHOL (TBA)	N.D.	5.0	N.D.	--	1
METHYL TERTIARY BUTYL ETHER (MTBE)	N.D.	5.0	N.D.	102	1
DI-ISOPROPYL ETHER (DIPE)	N.D.	10	N.D.	--	1
ETHYL TERTIARY BUTYL ETHER (ETBE)	N.D.	5.0	N.D.	--	1
TERTIARY AMYL METHYL ETHER (TAME)	N.D.	5.0	N.D.	--	1
1,2-DIBROMOETHANE	N.D.	0.50	N.D.	--	1

Alex Tam
Analyst

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Operations Manager

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CHROMALAB, INC.

Environmental Services (SDB)

November 4, 1998 *Submission #:* 9810466

CET ENVIRONMENTAL SERVICES
Atten: Grover Buhr
Project: DREYER'S GRAND *Project#:* 3987-000
Received: October 28, 1998
re: One sample for Fuel Oxygenates by GC/MS analysis.
Method: *EPA SW846 Method 8260 Modified*

Client Sample ID: **MW-2**
Spl#: 212632 *Matrix:* WATER
Sampled: October 27, 1998 *Run#:* 15774 *Analyzed:* November 3, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
TERTIARY BUTYL ALCOHOL (TBA)	N.D.	100	N.D.	--	20
METHYL TERTIARY BUTYL ETHER (MTBE)	N.D.	100	N.D.	102	20
DI-ISOPROPYL ETHER (DIPE)	N.D.	200	N.D.	--	20
ETHYL TERTIARY BUTYL ETHER (ETBE)	N.D.	100	N.D.	--	20
TERTIARY AMYL METHYL ETHER (TAME)	N.D.	100	N.D.	--	20
1,2-DICHLOROETHANE	N.D.	10	N.D.	--	20
1,2-DIBROMOETHANE	N.D.	10	N.D.	--	20

Note: Reporting limits raised due to presence of high level of nontarget compounds.

Alex Tam
Analyst

Michael Verona
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CHROMALAB, INC.

Environmental Services (SDB)

November 4, 1998 *Submission #:* 9810466

CET ENVIRONMENTAL SERVICES
Atten: Grover Buhr
Project: DREYER'S GRAND *Project#:* 3987-000
Received: October 28, 1998
re: One sample for Fuel Oxygenates by GC/MS analysis.
Method: *EPA SW846 Method 8260 Modified*

Client Sample ID: **MW-5**
Spl#: 212633 *Matrix:* WATER
Sampled: October 27, 1998 *Run#:* 15774 *Analyzed:* November 3, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
TERTIARY BUTYL ALCOHOL (TBA)	N.D.	250	N.D.	--	50
METHYL TERTIARY BUTYL ETHER (MTBE)	N.D.	250	N.D.	102	50
DI-ISOPROPYL ETHER (DIPE)	N.D.	500	N.D.	--	50
ETHYL TERTIARY BUTYL ETHER (ETBE)	N.D.	250	N.D.	--	50
TERTIARY AMYL METHYL ETHER (TAME)	N.D.	250	N.D.	--	50
1,2-DICHLOROETHANE	N.D.	25	N.D.	--	50
1,2-DIBROMOETHANE	N.D.	25	N.D.	--	50

Note: Surrogate recovery demonstrates matrix interference. Reporting limits raised due to presence of high level of nontarget compounds.

Alex Tam
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CHROMALAB, INC.

Environmental Services (SDB)

November 6, 1998 *Submission #:* 9810466

CET ENVIRONMENTAL SERVICES

Atten: Grover Buhr

Project: DREYER'S GRAND *Project#:* 3987-000
Received: October 28, 1998

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

Client Sample ID: **MW-1**
Spl#: 212628 *Matrix:* WATER
Sampled: October 27, 1998 *Run#:*15702 *Analyzed:* November 2, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	50	N.D.	92	1
BENZENE	N.D.	0.50	N.D.	95	1
TOLUENE	N.D.	0.50	N.D.	95	1
ETHYL BENZENE	N.D.	0.50	N.D.	96	1
XYLENES	N.D.	0.50	N.D.	96	1

Vincent Vancil
Analyst

Michael Verona
Operations Manager

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CHROMALAB, INC.

Environmental Services (SDB)

November 6, 1998 *Submission #:* 9810466

CET ENVIRONMENTAL SERVICES

Atten: Grover Buhr

Project: DREYER'S GRAND *Project#:* 3987-000
Received: October 28, 1998

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

Client Sample ID: **MW-3**
Spl#: 212629 *Matrix:* WATER
Sampled: October 27, 1998 *Run#:*15770 *Analyzed:* November 2, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	7100	500	N.D.	98	10
BENZENE	1500	5.0	N.D.	85	10
TOLUENE	57	5.0	N.D.	92	10
ETHYL BENZENE	46	5.0	N.D.	89	10
XYLENES	47	5.0	N.D.	89	10

Vincent Vancil
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Environmental Services (SDB)

November 6, 1998 *Submission #:* 9810466

CET ENVIRONMENTAL SERVICES

Atten: Grover Buhr

Project: DREYER'S GRAND *Project#:* 3987-000
Received: October 28, 1998

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

Client Sample ID: **MW-4**
Spl#: 212630 *Matrix:* WATER
Sampled: October 27, 1998 *Run#:*15770 *Analyzed:* November 2, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	600	50	N.D.	98	1
BENZENE	4.2	0.50	N.D.	85	1
TOLUENE	5.5	0.50	N.D.	92	1
ETHYL BENZENE	6.4	0.50	N.D.	89	1
XYLENES	8.2	0.50	N.D.	89	1

Vincent Vancil
Analyst

Michael Verona
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GC V132 O:BTEXQC02
VINCE 10

CHROMALAB, INC.

Environmental Services (SDB)

November 6, 1998 *Submission #:* 9810466

CET ENVIRONMENTAL SERVICES

Atten: Grover Buhr

Project: DREYER'S GRAND *Project#:* 3987-000
Received: October 28, 1998

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

Client Sample ID: **MW-6**
Spl#: 212631 *Matrix:* WATER
Sampled: October 27, 1998 *Run#:*15768 *Analyzed:* November 2, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	1200	50	N.D.	92	1
BENZENE	8.4	0.50	N.D.	91	1
TOLUENE	2.7	0.50	N.D.	91	1
ETHYL BENZENE	12	0.50	N.D.	89	1
XYLENES	4.1	0.50	N.D.	91	1

Vincent Vancil
Analyst

Michael Verona
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GC V132 Q:BTEXQC02
VINCE 10:

CHROMALAB, INC.

Environmental Services (SDB)

November 6, 1998 *Submission #:* 9810466

CET ENVIRONMENTAL SERVICES

Atten: Grover Buhr

Project: DREYER'S GRAND *Project#:* 3987-000
Received: October 28, 1998

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

Client Sample ID: **MW-2**
Spl#: 212632 *Matrix:* WATER
Sampled: October 27, 1998 *Run#:*15707 *Analyzed:* November 2, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	21000	500	N.D.	99	10
BENZENE	370	5.0	N.D.	81	10
TOLUENE	120	5.0	N.D.	82	10
ETHYL BENZENE	1900	5.0	N.D.	84	10
XYLENES	2600	5.0	N.D.	81	10

Vincent Vancil
Analyst

Michael Verona
Operations Manager

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GC V132 O:BTEXQC02
VINCE 10:

CHROMALAB, INC.

Environmental Services (SDB)

November 6, 1998 *Submission #:* 9810466

CET ENVIRONMENTAL SERVICES

Atten: Grover Buhr

Project: DREYER'S GRAND *Project#:* 3987-000
Received: October 28, 1998

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

Client Sample ID: **MW-5**
Spl#: 212633 *Matrix:* WATER
Sampled: October 27, 1998 *Run#:*15707 *Analyzed:* November 2, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	22000	1200	N.D.	99	25
BENZENE	1200	12	N.D.	81	25
TOLUENE	140	12	N.D.	82	25
ETHYL BENZENE	2200	12	N.D.	84	25
XYLENES	2600	12	N.D.	81	25

Vincent Vancil
Analyst

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GC V132 O:BTEXQC02
VINCE 10

CHROMALAB, INC.

Environmental Services (SDB)

November 4, 1998 *Submission #:* 9810466

CET ENVIRONMENTAL SERVICES

Atten: Grover Buhr

Project: DREYER'S GRAND *Project#:* 3987-000
Received: October 28, 1998

re: 6 samples for TPH - Diesel analysis.
Method: *EPA 8015M*

Matrix: WATER *Extracted:* November 2, 1998
Sampled: October 27, 1998 *Run#:* 15709 *Analyzed:* November 2, 1998

Spl#	CLIENT SPL ID	DIESEL (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
212630	MW-4	480	50	N.D.	91.2	1
	Note: *Hydrocarbon reported is in the early Diesel Range and does not match our Diesel Standard.*					
212631	MW-6	910	50	N.D.	91.2	1
	Note: *Hydrocarbon reported is in the early Diesel Range and does not match our Diesel Standard.*					
212632	MW-2	11000	50	N.D.	91.2	1
	Note: *Hydrocarbon reported is in the early Diesel Range and does not match our Diesel Standard.*					
212633	MW-5	9300	50	N.D.	91.2	1
	Note: *Hydrocarbon reported is in the early Diesel Range and does not match our Diesel Standard.*					

Matrix: WATER *Extracted:* November 2, 1998
Sampled: October 27, 1998 *Run#:* 15709 *Analyzed:* November 3, 1998

Spl#	CLIENT SPL ID	DIESEL (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
212628	MW-1	70	50	N.D.	91.2	1
	Note: *Hydrocarbon reported does not match the pattern of our Diesel Standard.*					
212629	MW-3	2200	50	N.D.	91.2	1
	Note: *Hydrocarbon reported is in the early Diesel Range and does not match our Diesel Standard.*					

Carolyn House
Analyst

Bruce Havlik
Analyst

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

November 4, 1998 *Submission #:* 9810466

CET ENVIRONMENTAL SERVICES

Atten: Grover Buhr

Project: DREYER'S GRAND *Project#:* 3987-000
Received: October 28, 1998

re: 6 samples for Oil and Grease analysis.
Method: *5520 B&F*

Matrix: WATER *Extracted:* November 4, 1998
Sampled: October 27, 1998 *Run#:* 15778 *Analyzed:* November 4, 1998

Spl#	CLIENT SPL ID	OIL & GREASE (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE (%)	DILUTION FACTOR
212628	MW-1	N.D.	1.0	N.D.	96.0	1
212629	MW-3	N.D.	1.0	N.D.	96.0	1
212630	MW-4	N.D.	1.0	N.D.	96.0	1
212631	MW-6	N.D.	1.0	N.D.	96.0	1
212632	MW-2	N.D.	1.0	N.D.	96.0	1
212633	MW-5	N.D.	1.0	N.D.	96.0	1

Lulu Frazier
Analyst

Michael Verona
Operations Manager

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9810464

Reference #:

CHROMALAB, INC.

Environmental Services (SDB) (DOHS 1094)

SUBM #: 9810466 REP: GC
CLIENT: CET
DUE: 11/04/98
REF #:42815

Chain of Custody

DATE 10-27-98 PAGE 1 OF 1

PROJ MGR Grover Buhr
COMPANY CET
ADDRESS 3033 Richmond Pkwy #300
Richmond CA.
SAMPLERS (SIGNATURE)
570 243 9500 (PHONE NO.)
570 243 9501 (FAX NO.)

ANALYSIS REPORT

SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	TPH-(EPA 8015,8020) ☑Gas w/ ☑ BTEX ☐MTBE	PURGEABLE AROMATICS BTEX (EPA 8020)	TPH-Diesel (EPA 8015M)	TEPH (EPA 8015M) ☐Kerosene, ☐Diesel, ☐M.O.	PURGEABLE HALOCARBONS, (HVOCs) (EPA 8010)	VOLATILE ORGANICS (VOCs) (EPA 8260)	SEMIVOLATILES (EPA 8270)	TOTAL OIL AND GREASE (SM 5520 B+F, E+F)	TBA, TAME, DIPE 8260 full Ox	☐ PESTICIDES(EPA 8080) ☐ PCB'S (EPA 8080)	PNA's by ☐ 8270 ☐ 8310	☐ Spec. Cond. ☐ TSS ☐ TDS	LUFT METALS: Cd, Cr, Pb, Ni, Zn	CAM 17 METALS (EPA 6010/7470/7471)	TOTAL LEAD	☐ W.E.T. (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24 hr hold time for H20)	EDB, EDC 8010			NUMBER OF CONTAINERS
MW 1	10/27	945	H2O		X		X					X	X										X			11
MW 2		1545			X		X				X	X	X										X			13
MW 3		1400			X		X					X	X										X			11
MW 4		1140			X		X					X	X										X			11
MW 5		1630			X		X				X	X	X										X			13
MW 6		1100			X		X					X	X										X			11
																										D

PROJECT INFORMATION

PROJECT NAME: Dreyer's Grand
PROJECT NUMBER: 3957-000
P.O. #:

SAMPLE RECEIPT

TOTAL NO. OF CONTAINERS:
HEAD SPACE:
TEMPERATURE:
CONFORMS TO RECORD:

TAT	STANDARD 5 DAY			24	48	72	OTHER

Report: [ ] Routine [ ] Level 2 [ ] Level 3 [ ] Level 4 [ ] Electronic Report

SPECIAL INSTRUCTIONS/COMMENTS:

5.9° C HP
72 Aurora
48 VOAS

RELINQUISHED BY 1
(SIGNATURE) (TIME)
Richard Brush 10-28-98
(PRINTED NAME) (DATE)
CET
(COMPANY)

RELINQUISHED BY 2
(SIGNATURE) (TIME)
(PRINTED NAME) (DATE)
(COMPANY)

RELINQUISHED BY 3
(SIGNATURE) 1750 (TIME)
B Rivera 102898 (DATE)
(PRINTED NAME)
(COMPANY)

RECEIVED BY 1
(SIGNATURE) 1125 (TIME)
B Rivera 10-28-98
(PRINTED NAME) (DATE)
Chromalab
(COMPANY)

RECEIVED BY 2
(SIGNATURE) 12-50 (TIME)
T. Mercote 10/28
(PRINTED NAME) (DATE)
C/C
(COMPANY)

RECEIVED BY (LABORATORY) 3
(SIGNATURE) 1327 (TIME)
Alex Powell 10/29/98
(PRINTED NAME) (DATE)
Chromalab
(LAB)

SAMPLE COLLECTION RECORD - MONITOR WELL

Date: 10 - 27 - 98 Sample I.D.: MW 1 Job No.: 3987-000

Site Location: OAKLAND CA

No. of Containers: 9 / (Check one): X Well Samples;

_____ Duplicates from well _____; _____ Travel Blanks; _____ Field Blanks;

_____ Other (explain) _____

W.L. (1/100'): 12.40 Date: 10-27 Time: 0930 B.O.W.(1/2'): 25.5'

Method: X Electric Well Sounder; _____ Other/_____

Meters Calibrated: Date: 10-27 By: RCB

Calculated Purge Volume (4 casing volumes): 10.3 Gallons

Purging Method: X Disposable Bailer; _____ Teflon Bailer;

_____ Whale SuperSub 920 submersible pump; _____ Other/Specify_____

Time Start Purging (24 hr): 9:00, Product: Y / (N), Sheen: Y / (N),
Odor: Y / (N), Vapor: _____ ppm / %LEL, Color: CLEAR

Time Stop Purging (24 hr): 9:45, Product: Y / (N), Sheen: Y / (N),
Odor: Y / (N), Vapor: _____ ppm / %LEL, Color: LIGHT BROWN

Time (24 hr)	H_2O (gal)	Temp. (C)	pH	Cond. (uS) X100	TDS (ppm)	Turbid. (NTU)	D.O. (ppm)
pm 9:10	2	6.26	6.64	3.31			CLEAR
9:25	6	63	6.64	3.63		11,000	
9:45	10	63.1	6.63	3.65			LIGHT BROWN
:							
:							

Sample Collection Time (24 hr): 9:45

Notes: _____

Collected By (signature): _____

SPLFRM.MW

SAMPLE COLLECTION RECORD - MONITOR WELL

Date: 10 - 27 - 98 Sample I.D.: MW 2 Job No.: 3987-000

Site Location: OAKLAND CA

No. of Containers: 13 / (Check one): X Well Samples;

____ Duplicates from well _____; ____ Travel Blanks: ____ Field Blanks;

____ Other (explain) _____

W.L. (1/100'): ~~9.55~~ RC 9.55 Date: 10-27 Time: 0730 B.O.W.(1/2'): 26.5

Method: X Electric Well Sounder; ____ Other/_____

Meters Calibrated: Date: 10-27 By: RC

Calculated Purge Volume (4 casing volumes): 43 Gallons

Purging Method: X Disposable Bailer; ____ Teflon Bailer;

____ Whale SuperSub 920 submersible pump; ____ Other/Specify_____

Time Start Purging (24 hr): 14:20, Product: Y / (N), Sheen: Y / (N),
Odor: (Y) / N, Vapor: ____ ppm / %LEL, Color: CLEAR

Time Stop Purging (24 hr): 15:40, Product: Y / (N), Sheen: (Y) / N,
Odor: (Y) / N, Vapor: ____ ppm / %LEL, Color: CLEAR / BROWN

Time (24 hr)	H_2O (gal)	Temp. (C)	pH	Cond. (uS)	TDS (ppm)	Turbid. (NTU)	D.O. (ppm)
14:40	17	69.7	7.12	12.12			
15:15	23	66.9	6.77	6.24		16.2	
15:40	40	67.7	6.85	6.02			
:____							
:____							

Sample Collection Time (24 hr): 15:45

Notes: _____

Collected By (signature): [signature]

SPLFRM.MW

SAMPLE COLLECTION RECORD - MONITOR WELL

Date: 10 - 27 - 96 Sample I.D.: MW-3 Job No.: 3967-000

Site Location: OAKLAND CA

No. of Containers: 11 / (Check one): X Well Samples;

____ Duplicates from well _____; ____ Travel Blanks; ____ Field Blanks;

____ Other (explain) _____

W.L. (1/100'): 10.84 Date: 10-27 Time: 0730 B.O.W.(1/2'): 26'

Method: X Electric Well Sounder: ____ Other/ _____

Meters Calibrated: Date: 10-27 By: _____

Calculated Purge Volume (4 casing volumes): 38.8 Gallons

Purging Method: X Disposable Bailer; ____ Teflon Bailer;

____ Whale SuperSub 920 submersible pump; ____ Other/Specify _____

Time Start Purging (24 hr): 13:00, Product: Y / (N), Sheen: Y / (N)

Odor: (Y) / N, Vapor: ____ ppm / %LEL, Color: CLEAR / LIGHT BROWN

Time Stop Purging (24 hr): 14:00, Product: Y / (N), Sheen: Y / (N),

Odor: (Y) / N, Vapor: ____ ppm / %LEL, Color: LIGHT BROWN

Time (24 hr)	H_2O (gal)	Temp. (C)	pH	Cond. (uS)	TDS (ppm)	Turbid. (NTU) x100	D.O. (ppm)
13:10	12	65.0	6.941	9.59			
13:30	22	65.4	6.94	9.25		43.5	
13:55	40	65.8	6.96	8.91			
:							
:							

Sample Collection Time (24 hr): 14:00

Notes: _____

Collected By (signature): _____

SPLFRM.MW

SAMPLE COLLECTION RECORD - MONITOR WELL

Date: 10 - 27 - 98 Sample I.D.: MW 4 Job No.: 3987-000

Site Location: OAKLAND CA

No. of Containers: 11 / (Check one): X Well Samples;

_____ Duplicates from well _____; _____ Travel Blanks; _____ Field Blanks;

_____ Other (explain) _____

W.L. (1/100'): 10.47 Date: 10-27 Time: 0730 B.O.W.(1/2'): 20.3

Method: X Electric Well Sounder; _____ Other/_____

Meters Calibrated: Date: 10-27 By: RM

Calculated Purge Volume (4 casing volumes): 5.9 Gallons

Purging Method: X Disposable Bailer; _____ Teflon Bailer;

_____ Whale SuperSub 920 submersible pump; _____ Other/Specify_____

Time Start Purging (24 hr): 11:05, Product: Y / (N), Sheen: Y / (N),

Odor: Y / (N), Vapor: _____ ppm / %LEL, Color: CLEAR

Time Stop Purging (24 hr): 11:40, Product: Y / (N), Sheen: Y / (N),

Odor: Y / (N), Vapor: _____ ppm / %LEL, Color: LIGHT BROWN

Time (24 hr)	H_2O (gal)	Temp. (C)	pH	Cond. (uS)	TDS (ppm)	Turbid. (NTU) X1000	D.O. (ppm)
11:10	2	63.7	6.74	9.46			
11:20	4	63.7	6.70	8.69		104	
11:35	6	63.7	6.82	8.83			
:							
:							

Sample Collection Time (24 hr): 11:40

Notes: _____

Collected By (signature): _____

SPLFRM.MW

SAMPLE COLLECTION RECORD - MONITOR WELL

Date: 10-27-95 Sample I.D.: MW-5 Job No.: 3987-000

Site Location: OAKLAND CA

No. of Containers: 13 / (Check one): X Well Samples:

____ Duplicates from well _____; ____ Travel Blanks; ____ Field Blanks;

____ Other (explain) _____

W.L. (1/100'): 9.01 Date: 10-27 Time: 0730 B.O.W.(1/2'): 29

Method: X Electric Well Sounder; ____ Other/_____

Meters Calibrated: Date: 10-27 By: MC

Calculated Purge Volume (4 casing volumes): 13 Gallons

Purging Method: X Disposable Bailer; ____ Teflon Bailer;

____ Whale SuperSub 920 submersible pump; ____ Other/Specify_____

Time Start Purging (24 hr): 1600, Product: Y / (N), Sheen: Y / (N),

Odor: (Y) / N, Vapor: ____ ppm / %LEL, Color: CLEAR

Time Stop Purging (24 hr): 1625, Product: Y / (N), Sheen: Y / (N),

Odor: (Y) / N, Vapor: ____ ppm / %LEL, Color: LIGHT BROWN / GRAY

Time (24 hr)	H_2O (gal)	Temp. (C)	pH	Cond. (uS)	TDS (ppm)	Turbid. (NTU)	D.O. (ppm)
16:07	5	63.4	6.96	6.66			
16:15	10	63.0	7.02	6.91		51 X 100	
16:25	30	64.4	7.04	6.53			
:							
:							

Sample Collection Time (24 hr): 1630

Notes: _____

Collected By (signature): _____

SPLFRM.MW

SAMPLE COLLECTION RECORD - MONITOR WELL

Date: 10 - 27 - 95 Sample I.D.: MW 6 Job No.: 3981-000

Site Location: OAKLAND CA

No. of Containers: 11 / (Check one): X Well Samples;

____ Duplicates from well _____; ____ Travel Blanks: ____ Field Blanks;

____ Other (explain) _____

W.L. (1/100'): 7.62 Date: 10-27 Time: 0730 B.O.W.(1/2'): 29'

Method: X Electric Well Sounder: ____ Other/_____

Meters Calibrated: Date: 10-27 By: RA

Calculated Purge Volume (4 casing volumes): 41 Gallons

Purging Method: X Disposable Bailer; ____ Teflon Bailer;

____ Whale SuperSub 920 submersible pump; ____ Other/Specify_____

Time Start Purging (24 hr): 10:00, Product: Y / (N), Sheen: Y / (N),
Odor: (Y) / N , Vapor: ____ ppm / %LEL , Color: CLEAR

Time Stop Purging (24 hr): 11:00, Product: Y / (N), Sheen: Y / (N),
Odor: (Y) / N , Vapor: ____ ppm / %LEL , Color: LIGHT BROWN

Time (24 hr)	H_2O (gal)	Temp. (C)	pH	Cond. (uS) X100	TDS (ppm)	Turbid. (NTU)	D.O. (ppm)
10:10	5	65.1	6.81	7.13			
10:30	25	65.4	6.81	7.12		9950	
10:50	41	65.4	6.78	7.45			
:							
:							

Sample Collection Time (24 hr): 11:00

Notes: _____

Collected By (signature): [signature]

SPLFRM.MW

ATTACHMENT D

Limitations & Uncertainty

LIMITATIONS AND UNCERTAINTY

This report was prepared in general accordance with the accepted principals and standards of practice of environmental consulting which exists in northern California at the time the investigation was conducted and within the scope of service outlined in our proposal. It should be recognized that the definition and evaluation of surface and subsurface environmental conditions is a difficult and inexact science. Judgements leading to conclusions and recommendations generally are made with an incomplete knowledge of the conditions present. Any opinions presented apply to site conditions existing at the time of the inspection and those reasonably foreseeable; they cannot necessarily apply to site changes made of which the inspector could not observe and has not had the opportunity to evaluate.

Changes in the conditions of the subject property can occur with time, because of the natural processes or the works of man, on the subject site or on adjacent properties. It is further possible that variations and/or changes in the soil and/or groundwater conditions could exist beyond the points explored for this investigation. Also, changes in groundwater conditions could occur sometime in the future due to variations in tides, rainfall, temperature, local or regional water use or other factors. Changes in applicable engineering and construction standards can also occur as the result of legislation or from the broadening of knowledge. Accordingly the data presented in the assessment may be invalidated, wholly or in part, by changes beyond the control of the consultant. If the client wishes to reduce the uncertainty beyond the level associated with this study, CET Environmental Services, Inc. should be notified for additional consultation.

The discussion and recommendations presented in this report are based on information which may include: 1) information and data provided by third party consultants, 2) the exploratory test borings drilled at the site, 3) the observations of field personnel, 4) the results of laboratory analyses, and 5) interpretations of federal, state, and local regulations and/or ordinances. Any conclusions presented are based on the assumption that conditions do not deviate from those observed during the assessment. It is recognized that the assessment is not intended to be a definitive study of environmental conditions at the site. It is understood that other conditions may exist at the site which could not be identified from the limited information discovered within the scope of the assessment.

Chemical analytical data, if included in this report, have been obtained from state certified laboratories. The analytical methods employed by the laboratories were in accordance with procedures suggested by the U. S. Environmental Protection Agency and/or State of California. CET Environmental Services, Inc. is not responsible for laboratory errors in procedures or reporting.

CET has conducted this investigation in a manner consistent with the level of care and skill ordinarily exercised by members of the environmental consulting profession currently practicing under similar conditions in northern California. CET has prepared this report for the client's (and assigned parties) exclusive use for this particular project. No other warranties, expressed or implied, as to the professional advice provided are made.