SEMS-RM DOCID # 1167217

SIC # 0760 S. HARIRI

FREY ENVIRONMENTAL, INC.

Environmental Geologists, Engineers, Assessors

2817 A Lafayette Avenue
Newport Beach, CA 92663
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January 28, 2002
172-01

Mr. Howard Kay
Tedesco Leasing Partnership
475 Seventeenth Street
Suite 940
Denver, CO 80202

2002 FEB 21 P 3:45

GROUNDWATER MONITORING WELL SAMPLING
FOURTH QUARTER 2001
FORMER MONDO CHROME FACILITY
4933 FIRESTONE BOULEVARD
SOUTH GATE, CALIFORNIA

Dear Mr. Kay:

This report presents the results of groundwater monitoring and sampling activities conducted at the former Mondo Chrome facility, located at 4933 Firestone Boulevard in South Gate, California [(Site)(Figure 1)].

SUMMARY OF ACTIVITIES

On December 13, 2001, groundwater monitoring wells MW1, MW2 and MW3 were measured for depth to water and checked for the presence of light non-aqueous phase liquids (LNAPLs). LNAPLs were not detected in wells MW1, MW2 or MW3 which were then purged and sampled according to the procedures presented in Appendix A.

Groundwater samples were analyzed for volatile organic compounds in general accordance with EPA Method No. 8260B. Groundwater samples were also analyzed for total chromium and cadmium in general accordance with EPA Method No. 6010B, and hexavalent chromium in general accordance with EPA Method No. 7199.

Groundwater purged from the wells is temporarily being stored on-Site in 55-gallon drums. The purged groundwater will be transported and disposed of at a State-certified recycling facility at a later date. Disposal documentation for the purged groundwater from First and Second Quarters 2001 is included in Appendix B.

RESULTS

Calculated groundwater elevations and chemical analytical data have been summarized in Table 1. Laboratory reports are presented in Appendix B.

- The depth to groundwater ranged from 41.48 feet to 41.71 feet below the top of casing on December 13, 2001. Groundwater elevations ranged from 67.69 feet above mean sea level in well MW1 to 68.13 feet above mean sea level in well MW3 on December 13, 2001.

- Groundwater was estimated to flow toward the north-northwest at a gradient of 0.0043 feet per foot on December 13, 2001. A Site sketch showing groundwater elevations and estimated direction of groundwater flow on December 13, 2001 is presented on Figure 2.

- PCE and TCE were detected in the groundwater samples collected and analyzed from wells MW1 through MW3 at concentrations up to 420 micrograms per liter (ug/l) and 890 ug/l, respectively (Table 1). Site sketches showing PCE and TCE concentrations in groundwater are presented on Figures 3 and 4, respectively.

- Cadmium and hexavalent chromium were not detected in any of the groundwater samples collected and analyzed from wells MW1, MW2 and MW3 (Table 1).

CONCLUSIONS

- TCE, and to a lesser extent PCE, are the main constituents in groundwater at the Site. Concentration of TCE and PCE in groundwater have remained relatively stable since the initiation of groundwater monitoring in 1998.

- Hexavalent chromium has never been detected in groundwater samples collected from groundwater monitoring wells MW1 through MW3 since the initiation of groundwater sampling on December 7, 1998.

- Total chromium has never been detected above the maximum contamination level (MCL) in groundwater samples collected from groundwater monitoring wells MW1 and MW2 since the initiation of groundwater sampling on December 7, 1998. Total chromium has been detected above the MCL on two occasions in the groundwater samples collected from groundwater monitoring well MW3 since the initiation of groundwater sampling on December 7, 1998.

- Cadmium has never been detected in groundwater samples collected from groundwater monitoring well MW1 since the initiation of groundwater sampling in 1998. Cadmium has been detected on one occasion (below the MCL), in groundwater samples collected and analyzed from groundwater monitoring well MW2. Cadmium has been detected on two occasions at concentrations of 3 ug/l and 6 ug/l in groundwater samples collected and analyzed from groundwater monitoring well MW3. The MCL for cadmium is 5 ug/l.

Sincerely,
FREY Environmental, Inc.

Joe Frey
Principal Certified
Engineering Geologist
CEG #1500

Michelle Duhe
Staff Geologist

Enclosures:
Table 1 - Groundwater Levels and Chemical Analyses
Figure 1 - Site Location Map
Figure 2 - Site Sketch Showing Groundwater Elevations and Estimated Groundwater Flow Direction on December 13, 2001.
Figure 3 - Site Sketch With PCE Concentrations in Groundwater on December 13, 2001.
Figure 4 - Site Sketch With TCE Concentrations in Groundwater on December 13, 2001.
Appendix A - Field Procedures/Water Sampling Data Forms
Appendix B - Groundwater Disposal Documentation
Appendix C- Laboratory Results

cc: Steven Hariri
Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

State Water Resources Control Board
UST Cleanup Fund
P.O. Box 944212
Sacramento, CA 94244-2120

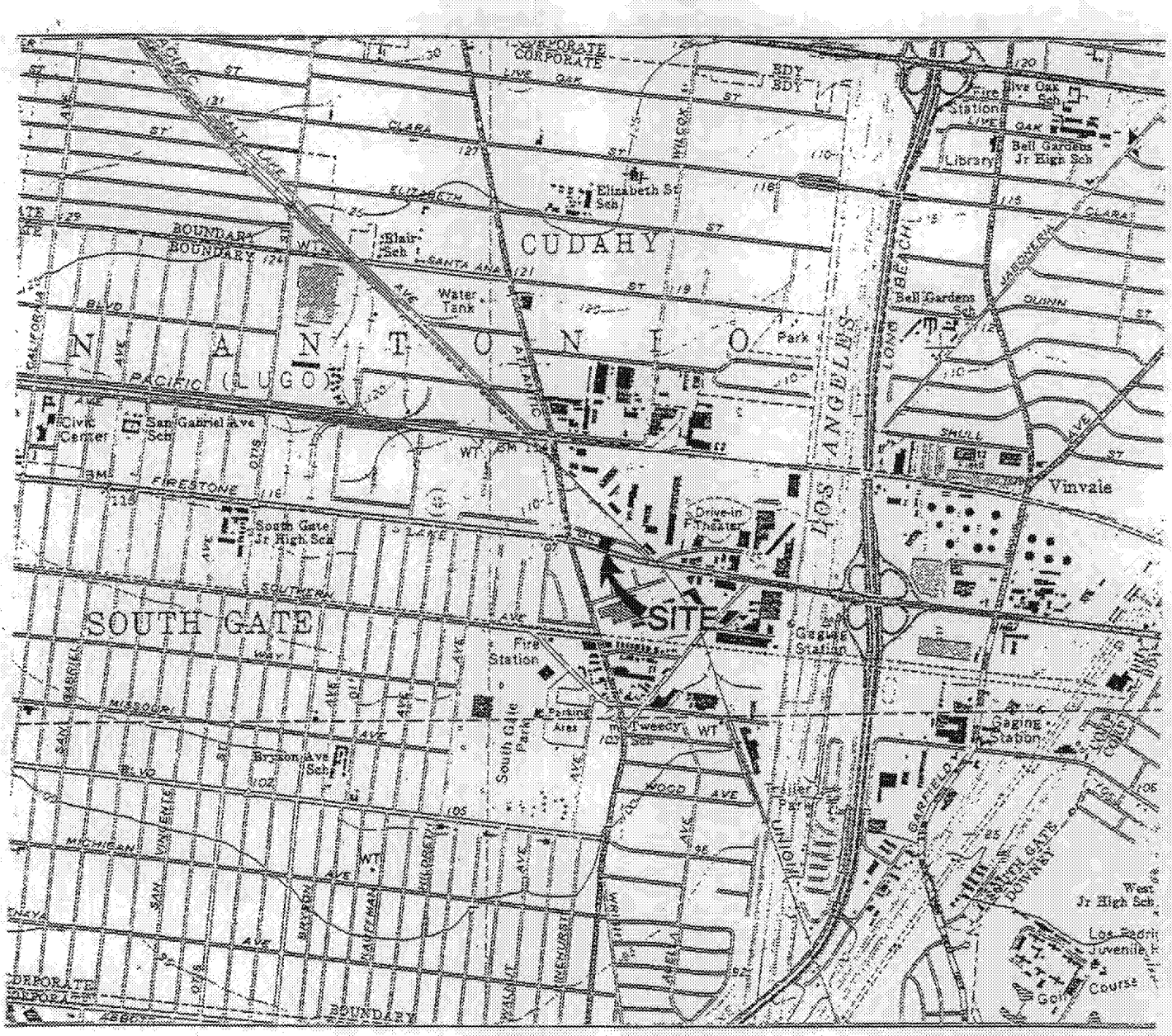
TABLE

TABLE 1
GROUNDWATER LEVELS AND CHEMICAL ANALYSES
FORMER MONDO CHROME FACILITY
4933 FIRESTONE BOULEVARD
SOUTH GATE, CALIFORNIA

Well No.	Well Elevation (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater (feet)	Groundwater Elevation (ft-msl)	PCE ug/l (ppb)	TCE ug/l (ppb)	cis-1,2-DCE ug/l (ppb)	trans-1,2-DCE ug/L (ppb)	1,1-DCE ug/l (ppb)	Vinyl Chloride ug/l (ppb)	1,2-DCA ug/l (ppb)	Total Chromium ug/l (ppb)	Chromium VI ug/l (ppb)	Cadmium ug/l (ppb)
MW1	109.40	30-55	12/07/98	41.58	67.82	110	140	6.8	NA	ND>1	ND>1.0	ND>0.5	NA	NA	NA
			03/03/99	40.71	68.69	340	190	ND>10	NA	ND>16	ND>20	ND>10	19	ND>20	ND>4
			06/24/99	40.36	69.04	600	780	ND>25	NA	ND>40	ND>50	ND>25	19	ND>20	ND>4
			09/17/99	40.31	69.09	707	824	9.4	NA	1.9	1.9	ND>0.5	16	ND>20	ND>4
			12/20/99	40.35	69.05	395	635	10	NA	1.6	ND>1.0	ND>0.5	37	ND>20	ND>3
			03/28/00	40.42	68.98	368	538	11	NA	1.9	ND>1.0	ND>0.5	4	NA	NA
			06/26/00	40.50	68.90	663	909	125	NA	ND>0.8	ND>1.0	ND>0.5	46	NA	NA
			09/22/00	40.55	68.85	111	150	ND>0.5	NA	2.49	ND>1.0	ND>0.5	ND>3	NA	NA
			12/18/00	41.78	67.62	616	116	14	2.1	1.4	ND>1.0	ND>0.5	20	ND>20	ND>3
			03/05/01	40.90	68.50	670	330	11	2.2	2.7	3.4	0.65	11	ND>20	ND>3
			06/04/01	40.88	68.52	420	800	12	ND>0.8	1.6	ND>1.0	ND>1	19	NA	ND>3
			09/24/01	41.28	68.12	430	890	17	ND>10	ND>10	ND>10	ND>5.0	8.42	ND>1.0	ND>5
			12/13/01	41.71	67.69	420	890	12	ND>1.0	1.9	ND>1.0	ND>0.50	22.5	ND>1.0	ND>5
MW2	109.45	30-55	12/07/98	41.68	67.77	11	77	16	NA	ND>1	ND>1.0	ND>0.5	NA	NA	NA
			03/03/99	40.81	68.64	6.5	130	13	NA	ND>4	ND>5	ND>2.5	33	ND>20	ND>4
			06/24/99	40.45	69.00	20	160	13	NA	ND>8	ND>10	ND>5	50	ND>20	ND>4
			09/17/99	40.40	69.05	15	156	21	NA	ND>0.8	ND>1	ND>0.5	40	ND>20	ND>4
			12/20/99	40.43	69.02	27	158	18	NA	ND>0.8	ND>1.0	ND>0.5	18	ND>20	ND>3
			03/28/00	40.38	69.07	8.4	138	27	NA	0.8	ND>1.0	ND>0.5	19	NA	NA
			06/26/00	40.46	68.99	17	101	230	NA	ND>0.8	ND>1.0	ND>0.5	38	NA	NA
			09/22/00	40.47	68.98	3.79	72.6	ND>0.5	NA	ND>0.8	ND>1.0	ND>0.5	17	NA	NA
			12/18/00	41.70	67.75	12	92	28	2.1	ND>0.8	ND>1.0	ND>0.5	20	ND>20	ND>3
			03/05/01	40.83	68.62	7.1	50	19	2.2	1.3	1.2	ND>0.5	23	ND>20	3
			06/04/01	40.71	68.74	3.0	86	24	ND>0.8	ND>0.8	ND>1.0	ND>0.5	28	NA	ND>3
			09/24/01	41.11	68.34	3.1	94	45	ND>1.0	ND>1.0	ND>1.0	ND>0.50	6.73	ND>1.0	ND>5
			12/13/01	41.49	67.96	2.9	98	34	ND>1.0	ND>1.0	ND>1.0	ND>0.50	12.1	ND>1.0	ND>5
MW3	109.61	30-55	12/07/98	41.78	67.83	9.3	75	10	NA	1.7	ND>1.0	ND>0.5	NA	NA	NA
			03/03/99	40.94	68.67	5.1	100	6.4	NA	ND>4	ND>5	ND>2.5	68	ND>20	ND>4
			06/24/99	40.59	69.02	7.4	110	7.3	NA	ND>8	ND>10	ND>5	50	ND>20	ND>4
			09/17/99	40.56	69.05	6.1	145	12	NA	1.2	2.3	1.2	58	ND>20	ND>4
			12/20/99	40.61	69.00	4.4	43	2.6	NA	ND>0.8	ND>1.0	ND>0.5	37	ND>20	ND>3
			03/28/00	40.54	69.07	4.7	114	13	NA	1.7	ND>1.0	0.9	19	NA	NA
			06/26/00	40.61	69.00	26	92	ND>0.5	NA	ND>0.8	ND>1.0	ND>0.5	44	NA	NA
			09/22/00	40.60	69.01	7.11	66	4.97	NA	1.61	ND>1.0	ND>0.5	20	NA	NA
			12/18/00	41.85	67.76	11	80	13	1.9	1.1	ND>1.0	ND>0.5	30	ND>20	ND>3
			03/05/01	40.90	68.71	7	47	11	2	2.2	1.4	1.2	24	ND>20	6
			06/04/01	40.86	68.75	2.4	56	9.2	ND>0.8	0.85	ND>1.0	ND>0.5	26	NA	3
			09/24/01	41.20	68.41	2.5	72	17	ND>1.0	1.4	ND>1.0	1.0	7.74	ND>1.0	ND>5
			12/13/01	41.48	68.13	3.1	67	11	ND>1.0	1.3	ND>1.0	ND>0.50	9.35	ND>1.0	ND>5
DTSC MCLs						5	5	6	0.8	6	0.5	0.5	50		5

Notes
1) Well elevation recorded at top of casing.
2) PCE = Tetrachloroethene
3) TCE = Trichloroethene
4) cis 1,2-DCE = cis 1,2 Dichloroethene
5) 1,1-DCE = 1,1 Dichloroethene
6) 1,2-DCA = 1,2 Dichloroethane
7) Maximum Contaminant Levels (MCLs) are enforceable drinking water standards
8) ND> - Constituent not detected above the stated concentration
9) NA - Not analyzed

FIGURES



NORTH

0 1/2 1

SCALE IN MILES

FORMER MONDO CHROME FACILITY
4933 FIRESTONE BOULEVARD
SOUTH GATE, CALIFORNIA

Client: TEDESCO LEASING Project No.: 172-01

FREY ENVIRONMENTAL, INC.

NOTES:

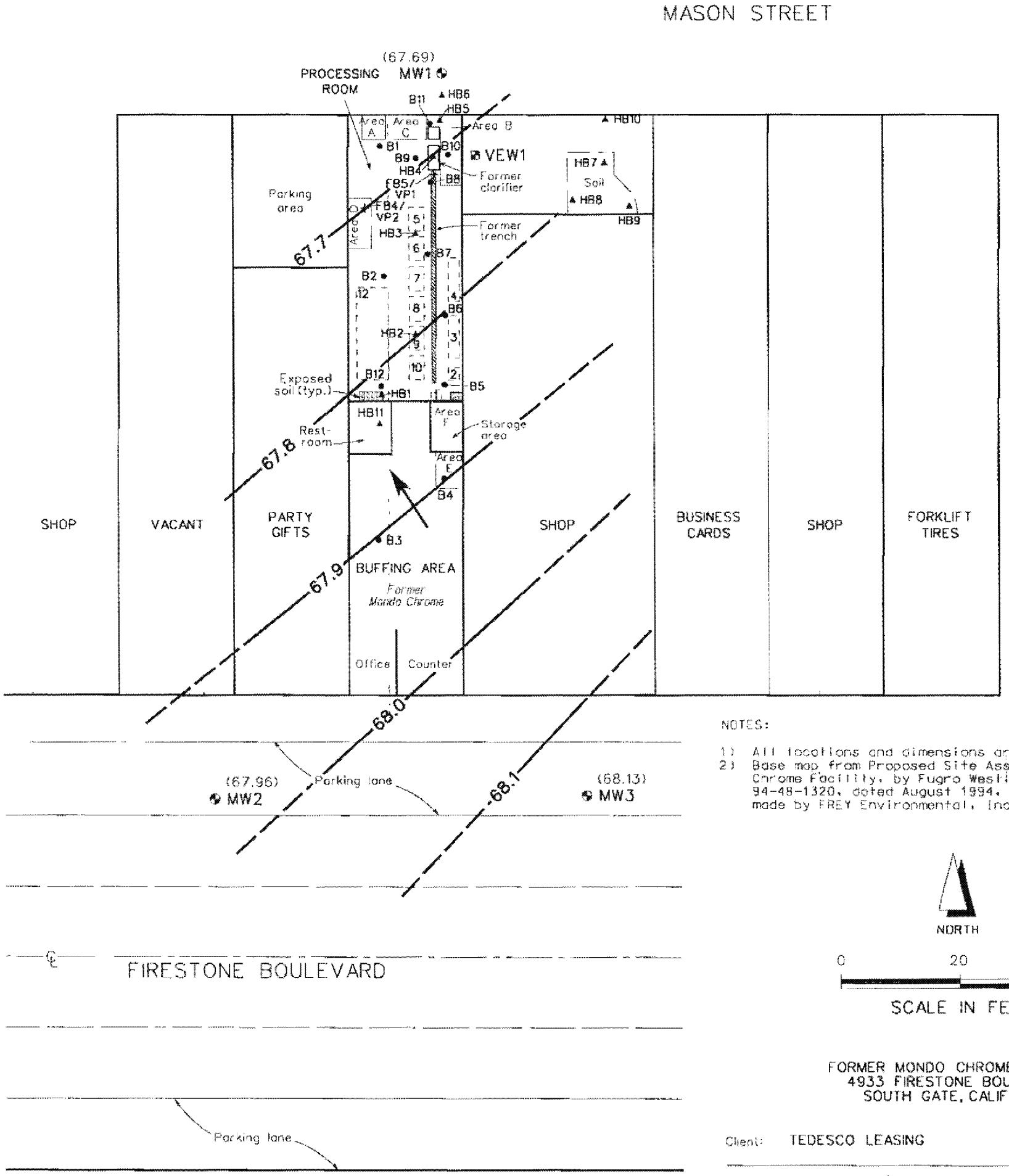
1) All locations and dimensions are approximate.
2) Base map from USGS 7.5 minute South Gate (1966, photorevised 1981), California topographic quadrangle.

SITE LOCATION MAP

Date: JANUARY 1996 Figure: 1

EXPLANATION

▲ HB6	HAND AUGER BORING LOCATION
● B11	BORING LOCATION
VEW1	VAPOR EXTRACTION WELL LOCATION
+ FB4/ VP2	SOIL SAMPLE LOCATION/VAPOR PROBE LOCATION
MW3	GROUNDWATER MONITORING WELL LOCATION
(68.13)	With groundwater elevation in feet MSL, on December 13, 2001
68.1	CONTOUR OF EQUAL GROUNDWATER ELEVATION in feet MSL, on December 13, 2001
→	ESTIMATED GROUNDWATER FLOW DIRECTION



NOTES:

1) All locations and dimensions are approximate.
2) Base map from Proposed Site Assessment, Former Mondo Chrome Facility, by Fugro West Inc., project no. 94-48-1320, dated August 1994, and field observations made by FREY Environmental, Inc. July 1996.

NORTH

0 20 40

SCALE IN FEET

FORMER MONDO CHROME FACILITY
4933 FIRESTONE BOULEVARD
SOUTH GATE, CALIFORNIA

Client: TEDESCO LEASING Project No.: 172-01

FREY ENVIRONMENTAL, INC.

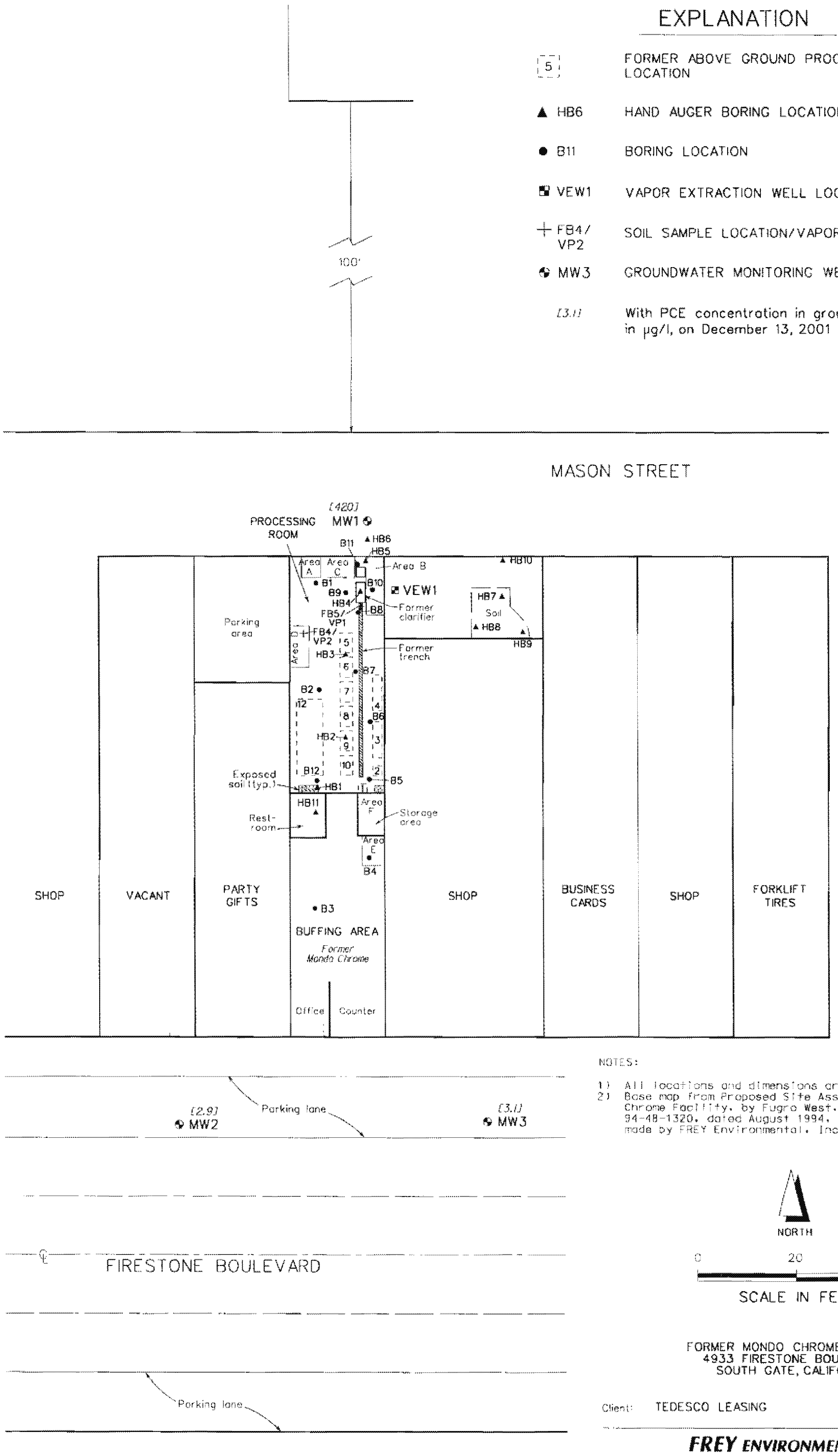
SITE SKETCH SHOWING GROUNDWATER ELEVATIONS AND ESTIMATED GROUNDWATER FLOW DIRECTION ON DECEMBER 13, 2001

Date: JANUARY 2002 Figure 2

17201/17201-2a.dgn

EXPLANATION

5	FORMER ABOVE GROUND PROCESS TANK LOCATION
▲ HB6	HAND AUGER BORING LOCATION
● B11	BORING LOCATION
VEW1	VAPOR EXTRACTION WELL LOCATION
+ FB4/ VP2	SOIL SAMPLE LOCATION/VAPOR PROBE LOCATION
MW3	GROUNDWATER MONITORING WELL LOCATION
[3.1]	With PCE concentration in groundwater, in µg/l, on December 13, 2001



NOTES:

1) All locations and dimensions are approximate.
2) Base map from Proposed Site Assessment, Former Mondo Chrome Facility, by Fugro West, Inc., project no. 94-48-1320, dated August 1994, and field observations made by FREY Environmental, Inc. July 1996.

NORTH

0 20 40

SCALE IN FEET

FORMER MONDO CHROME FACILITY
4933 FIRESTONE BOULEVARD
SOUTH GATE, CALIFORNIA

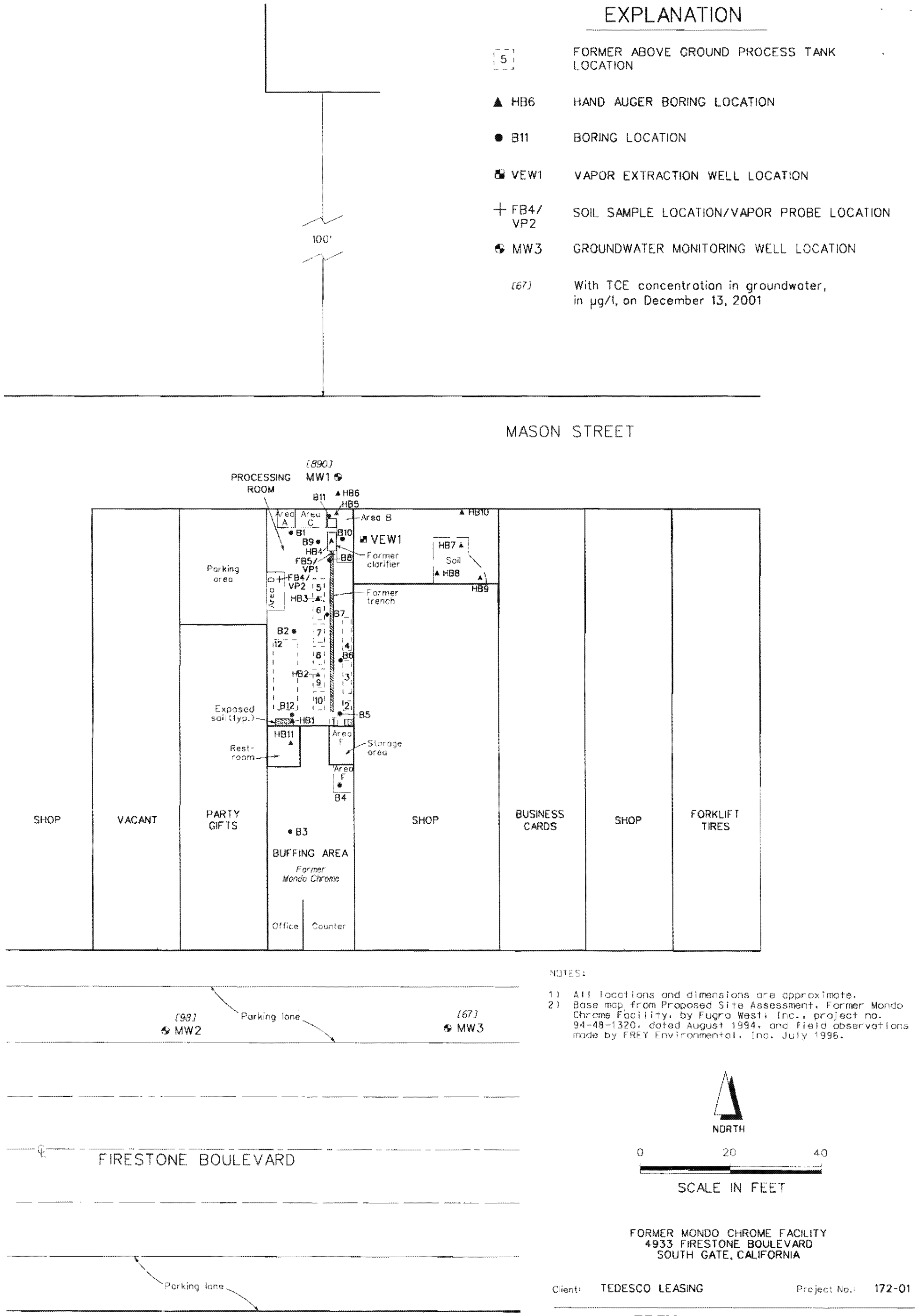
Client: TEDESCO LEASING Project No.: 172-01

FREY ENVIRONMENTAL, INC.

SITE SKETCH WITH PCE CONCENTRATIONS IN GROUNDWATER, ON DECEMBER 13, 2001

Date: JANUARY 2002 Figure 3

172\01\201-2a.dgn



NOTES:

1) All locations and dimensions are approximate.
2) Base map from Proposed Site Assessment, Former Mondo Chrome Facility, by Fugro West, Inc., project no. 94-48-1320, dated August 1994, and field observations made by FREY Environmental, Inc. July 1996.

NORTH

0 20 40

SCALE IN FEET

FORMER MONDO CHROME FACILITY
4933 FIRESTONE BOULEVARD
SOUTH GATE, CALIFORNIA

Client: TEDESCO LEASING Project No.: 172-01

FREY ENVIRONMENTAL, INC.

SITE SKETCH WITH TCE CONCENTRATIONS IN GROUNDWATER, ON DECEMBER 13, 2001

Date: JANUARY 2002 Figure 4

17201/17201 2a.dgn

APPENDIX A

FIELD PROCEDURES/WATER SAMPLING DATA FORMS

WELL PURGING AND GROUND WATER SAMPLING

1. The water level, and depth to the bottom of each well, was recorded using a conductance probe prior to well purging. A clear bailer sample was taken and visually inspected for turbidity and the presence of free product.

2. The groundwater monitoring wells were purged of at least three well volumes using a submersible pump or bailer.

3. The well was allowed to recover to at least 80 percent of its original well volume prior to sampling.

4. The ground water samples were collected using a stainless steel bailer held by dedicated nylon line.

5. All items entering the well; tapes, conductance probe, bailers were cleaned prior to use and between sampling periods.

6. Groundwater collected from each monitoring well was placed into EPA approved, zero head space, 40 milliliters (mL) vials and 500 mL containers.

7. Each sample was labeled.

8. The samples were placed in a bag, and into an ice chest, and cooled following collection.

9. The samples were delivered to the laboratory directly after collection. Sample handling, transport, and delivery to the laboratory were documented using chain of custody procedures and appropriate Chain-of-Custody forms.

GROUNDWATER SAMPLING DATA

Page ____ of ____

SITE NAME Mondo Chrome DATE 12-13-01

JOB NO. 72-01 SAMPLING PERSONNEL Chris

WELL NUMBER	Well Diameter (ID)	Reference Point
MW 1	2"	TOC
WATER DEPTH (ft) 41.71	WELL DEPTH 54.25	Feet of H20 in Well 12.54

TIME	ELAPSED TIME	GALLONS PURGED	pH	Temp (deg. F)	Cond.	Turbidity	COMMENTS
12:47							Start Pump
12:49	02	2	7.69	70.8	1202	601	Cloudy - Brown
12:51	04	4	7.62	70.9	1182	590	" "
12:53	06	6	7.57	70.1	1186	593	" "
12:53							Stop Pump
1:38			7.38	67.2	1204	602	Sample
TOTAL GALLONS PURGED		6					

SAMPLE DEPTH (FT)	PURGE METHOD	PURGE PUMPING RATE (GPM)
41.86	2" pump	1

FIELD EQUIPMENT	MODEL NAME/DESCRIPTION
pH Meter/EC Meter	Hanna
Turbidity Meter	
Pump (Dia./Type)	2" pump
Water Level Meter	Solinst
Bailer (Dia.x length)	

SAMPLE NUMBER	# BOTTLES
MW 1	5

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: (_____ Ft) x (0.65) = _____ Gallons

3 Well Volumes = _____ Gallons

2-INCH WELL: (12.54 Ft) x (0.16) = 2.00 Gallons

3 Well Volumes = 6.00 Gallons

FREY ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA

Page ____ of ____

SITE NAME Mondo Chrome DATE 12-13-01

JOB NO. 172-01 SAMPLING PERSONNEL Chris

WELL NUMBER	Well Diameter (ID)	Reference Point
MW 2	2"	TOC
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**
41.49	53.11	11.62

TIME	ELAPSED TIME	GALLONS PURGED	pH	Temp (deg. F)	Cond.	Turbidity	COMMENTS
10:50							Start Pump
10:52	02	2	7.65	69.8	2008	1004	Orange - Cloudy
10:54	04	4	7.48	70.4	1997	999	" "
10:56	06	6	7.48	69.9	2035	1016	
10:56							Stop Pump
11:55			7.30	68.4	2078	1038	Sample
TOTAL GALLONS PURGED		6					

SAMPLE DEPTH (FT)	PURGE METHOD	PURGE PUMPING RATE (GPM)
41.61	2" pump	1

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	Hanna
Turbidity Meter	
Pump (Dia./Type)	2" pump
Water Level Meter	Solinst
Bailer (Dia.x length)	

SAMPLE NUMBER	# BOTTLES
MW2	5

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: (_____ Ft) x (0.65) = _____ Gallons

3 Well Volumes = _____ Gallons

2-INCH WELL: (11.62 Ft) x (0.16) = 1.86 Gallons

3 Well Volumes = 5.58 Gallons

FREY ENVIRONMENTAL, INC.

GROUNDWATER SAMPLING DATA

Page ____ of ____

SITE NAME: Mondo Chrome DATE 12-13-01

JOB NO. 172-01 SAMPLING PERSONNEL Chris

WELL NUMBER	Well Diameter (ID)	Reference Point
MW3	2"	TOC
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**
41.48	53.11	11.62

TIME	ELAPSED TIME	GALLONS PURGED	pH	Temp (deg. F)	Cond.	Turbidity	COMMENTS
10:15							Start Pump
10:17	02	2	7.68	70.0	1995	997	Orange-Cloudy
10:19	04	4	7.46	71.6	2030	1016	" "
10:21	06	6	7.38	71.7	2058	1029	" "
10:21							Stop Pump
11:35			7.36	69.9	2031	10.17	Sample
TOTAL GALLONS PURGED		6					

SAMPLE DEPTH (FT)	PURGE METHOD	PURGE PUMPING RATE (GPM)
41.53	2" pump	1

FIELD EQUIPMENT	MODEL NAME/DESCRIPTION
pH Meter/EC Meter	Hanna
Turbidity Meter	
Pump (Dia./Type)	2" pump
Water Level Meter	Solinst
Bailer (Dia.x length)	

SAMPLE NUMBER	# BOTTLES
MW3	5

WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: (_____ Ft) x (0.65) = 1.86 Gallons

3 Well Volumes = 5.58 Gallons

2-INCH WELL: (11.62 Ft) x (0.16) = 1.86 Gallons

3 Well Volumes = 5.58 Gallons

FREY ENVIRONMENTAL, INC.

APPENDIX B

DISPOSAL DOCUMENTATION
(FIRST AND SECOND QUARTERS 2001)

[redacted] 1st and 2nd Qtr. 2001 [redacted]

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1
Non Hazardous	5.84.0.8	

erator's Name and Mailing Address
Desco Leasing (Monico Chronic)
17th St. Suite 940
Wash, CO 80202
erator's Phone ( )

sporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Ble Environmental		(714) 413-4105
sporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
gnated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
Crosby and Overton 36 W. 17th St. Beach, CA 90813		(562) 432-5445

aste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
n Hazardous Water (Ground Water)	00.1	TT	00055	G

dditional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
	15/01

Special Handling Instructions and Additional Information

Wear Appropriate Protective Clothing.

GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

rinted/Typed Name	Signature	Month	Day	Year
Ian Fitzpatrick on Behalf of Generator	[signature]	09	24	01

ransporter 1 Acknowledgement of Receipt of Materials

rinted/Typed Name	Signature	Month	Day	Year
Brian Fitzpatrick	[signature]	09	24	01

ransporter 2 Acknowledgement of Receipt of Materials

rinted/Typed Name	Signature	Month	Day	Year

iscrepancy Indication Space

acility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

inted/Typed Name	Signature	Month	Day	Year
[signature]	[signature]	11	26	01

APPENDIX C

LABORATORY RESULTS

Calscience Environmental Laboratories, Inc.

December 19, 2001

Evan Privett
Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Subject: **Calscience Work Order No.: 01-12-0713**
Client Reference: Mondo Chrome/172-01

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/14/01 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Michael J. Crisostomo
Quality Assurance Manager

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 12/14/01
Work Order No: 01-12-0713
Preparation: Total Digestion
Method: EPA 6010B

Project: Mondo Chrome/172-01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW1	01-12-0713-1	12/13/01	Aqueous	12/14/01	12/17/01	011214lcs6

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Cadmium	ND	0.00500	1		mg/L	Chromium (Total)	0.0225	0.0050	1		mg/L

MW2	01-12-0713-2	12/13/01	Aqueous	12/14/01	12/17/01	011214lcs6

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Cadmium	ND	0.00500	1		mg/L	Chromium (Total)	0.0121	0.0050	1		mg/L

MW3	01-12-0713-3	12/13/01	Aqueous	12/14/01	12/17/01	011214lcs6

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Cadmium	ND	0.00500	1		mg/L	Chromium (Total)	0.00935	0.00500	1		mg/L

Method Blank	097-01-003-2,129	N/A	Aqueous	12/14/01	12/17/01	011214lcs6

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Cadmium	ND	0.00500	1		mg/L	Chromium (Total)	ND	0.00500	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 12/14/01
Work Order No: 01-12-0713
Preparation: N/A
Method: EPA 7199

Project: Mondo Chrome/172-01

Client Sample Number	Lab Sample Number	Matrix	Date Collected	Date Prepared	Date Analyzed	QC Batch ID
MW1	01-12-0713-1	Aqueous	12/13/01	12/14/01	12/14/01	1214CRMB1

Parameter	Result	RL	DF	Qual	Units
Hexavalent Chromium	ND	1.0	1		ug/L

MW2	01-12-0713-2	Aqueous	12/13/01	12/14/01	12/14/01	1214CRMB1

Parameter	Result	RL	DF	Qual	Units
Hexavalent Chromium	ND	1.0	1		ug/L

MW3	01-12-0713-3	Aqueous	12/13/01	12/14/01	12/14/01	1214CRMB1

Parameter	Result	RL	DF	Qual	Units
Hexavalent Chromium	ND	1.0	1		ug/L

Method Blank	099-05-123-1,050	Aqueous	N/A	12/14/01	12/14/01	1214CRMB1

Parameter	Result	RL	DF	Qual	Units
Hexavalent Chromium	ND	1.0	1		ug/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 12/14/01
Work Order No: 01-12-0713
Preparation: EPA 5030B
Method: EPA 8260B

Project: Mondo Chrome/172-01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW1	01-12-0713-1	12/13/01	Aqueous	N/A	12/15/01	121501BW

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Bromodichloromethane	ND	1.0	1		ug/L	1,1-Dichloroethene	1.9	1.0	1		ug/L
Bromoform	ND	1.0	1		ug/L	c-1,2-Dichloroethene	12	1	1		ug/L
Bromomethane	ND	1.0	1		ug/L	t-1,2-Dichloroethene	ND	1.0	1		ug/L
Carbon Tetrachloride	ND	1.0	1		ug/L	1,2-Dichloropropane	ND	0.50	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	1.0	1		ug/L
2-Chloroethyl Vinyl Ether	ND	5.0	1		ug/L	Methylene Chloride	ND	5.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloromethane	ND	1.0	1		ug/L	Tetrachloroethene	420	20	20	D	ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichloroethene	890	20	20	D	ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	5.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	Vinyl Chloride	ND	1.0	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	110	86-118		Toluene-d8	98	88-110	
1,4-Bromofluorobenzene	87	86-115					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 12/14/01
Work Order No: 01-12-0713
Preparation: EPA 5030B
Method: EPA 8260B

Project: Mondo Chrome/172-01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW2	01-12-0713-2	12/13/01	Aqueous	N/A	12/15/01	121501AW

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Bromodichloromethane	ND	1.0	1		ug/L	1,1-Dichloroethene	ND	1.0	1		ug/L
Bromoform	ND	1.0	1		ug/L	c-1,2-Dichloroethene	34	1	1		ug/L
Bromomethane	ND	1.0	1		ug/L	t-1,2-Dichloroethene	ND	1.0	1		ug/L
Carbon Tetrachloride	ND	1.0	1		ug/L	1,2-Dichloropropane	ND	0.50	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	1.0	1		ug/L
2-Chloroethyl Vinyl Ether	ND	5.0	1		ug/L	Methylene Chloride	ND	5.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloromethane	ND	1.0	1		ug/L	Tetrachloroethene	2.9	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichloroethene	98	1	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	5.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	Vinyl Chloride	ND	1.0	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	86-118		Toluene-d8	99	88-110	
1,4-Bromofluorobenzene	92	86-115					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received:	12/14/01
Work Order No:	01-12-0713
Preparation:	EPA 5030B
Method:	EPA 8260B

Project: Mondo Chrome/172-01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW3	01-12-0713-3	12/13/01	Aqueous	N/A	12/16/01	121501BW

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Bromodichloromethane	ND	1.0	1		ug/L	1,1-Dichloroethene	1.3	1.0	1		ug/L
Bromoform	ND	1.0	1		ug/L	c-1,2-Dichloroethene	11	1	1		ug/L
Bromomethane	ND	1.0	1		ug/L	t-1,2-Dichloroethene	ND	1.0	1		ug/L
Carbon Tetrachloride	ND	1.0	1		ug/L	1,2-Dichloropropane	ND	0.50	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	1.0	1		ug/L
2-Chloroethyl Vinyl Ether	ND	5.0	1		ug/L	Methylene Chloride	ND	5.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloromethane	ND	1.0	1		ug/L	Tetrachloroethene	3.1	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichloroethene	67	1	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	5.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	Vinyl Chloride	ND	1.0	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	86-118		Toluene-d8	98	88-110	
1,4-Bromofluorobenzene	91	86-115					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received:	12/14/01
Work Order No:	01-12-0713
Preparation:	EPA 5030B
Method:	EPA 8260B

Project: Mondo Chrome/172-01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-10-006-4,116	N/A	Aqueous	N/A	12/15/01	121501AW

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Bromodichloromethane	ND	1.0	1		ug/L	1,1-Dichloroethene	ND	1.0	1		ug/L
Bromoform	ND	1.0	1		ug/L	c-1,2-Dichloroethene	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	t-1,2-Dichloroethene	ND	1.0	1		ug/L
Carbon Tetrachloride	ND	1.0	1		ug/L	1,2-Dichloropropane	ND	0.50	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	1.0	1		ug/L
2-Chloroethyl Vinyl Ether	ND	5.0	1		ug/L	Methylene Chloride	ND	5.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloromethane	ND	1.0	1		ug/L	Tetrachloroethene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichloroethene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	5.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	Vinyl Chloride	ND	1.0	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	86-118		Toluene-d8	94	88-110	
1,4-Bromofluorobenzene	91	86-115					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 12/14/01
Work Order No: 01-12-0713
Preparation: EPA 5030B
Method: EPA 8260B

Project: Mondo Chrome/172-01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-10-006-4,117	N/A	Aqueous	N/A	12/16/01	121501BW

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Bromodichloromethane	ND	1.0	1		ug/L	1,1-Dichloroethene	ND	1.0	1		ug/L
Bromoform	ND	1.0	1		ug/L	c-1,2-Dichloroethene	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	t-1,2-Dichloroethene	ND	1.0	1		ug/L
Carbon Tetrachloride	ND	1.0	1		ug/L	1,2-Dichloropropane	ND	0.50	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	1.0	1		ug/L
2-Chloroethyl Vinyl Ether	ND	5.0	1		ug/L	Methylene Chloride	ND	5.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloromethane	ND	1.0	1		ug/L	Tetrachloroethene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichloroethene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	5.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	Vinyl Chloride	ND	1.0	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	86-118		Toluene-d8	95	88-110	
1,4-Bromofluorobenzene	89	86-115					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 12/14/01
Work Order No: 01-12-0713
Preparation: Total Digestion
Method: EPA 6010B

Project: Mondo Chrome/172-01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW3	Aqueous	ICP 3300	12/14/01	12/17/01	121401ms6

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Cadmium	89	91	80-120	3	0-20	
Chromium (Total)	92	95	80-120	3	0-20	

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Project: Mondo Chrome/172-01

Date Received: 12/14/01
Work Order No: 01-12-0713
Preparation: Total Digestion
Method: EPA 6010B

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-003-2,129	Aqueous	ICP 3300	12/17/01	011214-I	011214lcs6

Parameter	Conc Added	Conc Recovered	%Rec	%Rec CL	Qualifiers
Cadmium	1.00	1.00	100	80-120	
Chromium (Total)	1.00	0.992	99	80-120	

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 12/14/01
Work Order No: 01-12-0713
Preparation: N/A
Method: EPA 7199

Project: Mondo Chrome/172-01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
01-12-0711-10	Aqueous	IC 3	12/14/01	12/14/01	1214CRMS1

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Hexavalent Chromium	104	107	70-130	2	0-25	

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Project: Mondo Chrome/172-01

Date Received: 12/14/01
Work Order No: 01-12-0713
Preparation: N/A
Method: EPA 7199

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-05-123-1,050	Aqueous	IC 3	12/14/01	NONE	1214CRMB1

Parameter	Conc Added	Conc Recovered	%Rec	%Rec CL	Qualifiers
Hexavalent Chromium	50	51	102	80-120	

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Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 12/14/01
Work Order No: 01-12-0713
Preparation: EPA 5030B
Method: EPA 8260B

Project: Mondo Chrome/172-01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW2	Aqueous	GC/MS W	N/A	12/15/01	01120713-2

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	96	72-127	0	0-25	
Carbon Tetrachloride	98	96	70-130	2	0-25	
Chlorobenzene	94	96	72-131	2	0-25	
1,2-Dichlorobenzene	93	94	70-130	1	0-25	
1,1-Dichloroethene	99	96	69-127	3	0-25	
Toluene	96	96	75-124	0	0-25	
Trichloroethene	88	83	60-137	2	0-25	
Vinyl Chloride	94	97	70-130	3	0-25	
Methyl-t-Butyl Ether (MTBE)	105	102	80-120	4	0-25	
Tert-Butyl Alcohol (TBA)	78	77	60-140	1	0-25	
Diisopropyl Ether (DIPE)	106	108	60-140	2	0-25	
Ethyl-t-Butyl Ether (ETBE)	100	104	60-140	4	0-25	
Tert-Amyl-Methyl Ether (TAME)	98	99	60-140	0	0-25	

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 12/14/01
Work Order No: 01-12-0713
Preparation: EPA 5030B
Method: EPA 8260B

Project: Mondo Chrome/172-01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW3	Aqueous	GC/MS W	N/A	12/16/01	01120713-3

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	93	94	72-127	2	0-25	
Carbon Tetrachloride	96	96	70-130	1	0-25	
Chlorobenzene	92	92	72-131	1	0-25	
1,2-Dichlorobenzene	89	90	70-130	1	0-25	
1,1-Dichloroethene	92	94	69-127	2	0-25	
Toluene	92	94	75-124	2	0-25	
Trichloroethene	85	84	60-137	0	0-25	
Vinyl Chloride	94	97	70-130	3	0-25	
Methyl-t-Butyl Ether (MTBE)	101	98	80-120	3	0-25	
Tert-Butyl Alcohol (TBA)	74	68	60-140	9	0-25	
Diisopropyl Ether (DIPE)	104	104	60-140	0	0-25	
Ethyl-t-Butyl Ether (ETBE)	102	99	60-140	2	0-25	
Tert-Amyl-Methyl Ether (TAME)	96	95	60-140	0	0-25	

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Project: Mondo Chrome/172-01

Date Received:	12/14/01
Work Order No:	01-12-0713
Preparation:	EPA 5030B
Method:	EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-4,116	Aqueous	GC/MS W	N/A	12/15/01	1Z1501AW

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	96	72-127	0	0-25	
Carbon Tetrachloride	95	96	70-130	0	0-25	
Chlorobenzene	94	94	72-131	0	0-25	
1,2-Dichlorobenzene	92	94	70-130	2	0-25	
1,1-Dichloroethene	98	98	69-127	0	0-25	
Toluene	95	95	75-124	0	0-25	
Trichloroethene	94	97	60-137	3	0-25	
Vinyl Chloride	97	99	79-118	3	0-25	
Methyl-t-Butyl Ether (MTBE)	93	93	80-120	0	0-25	
Tert-Butyl Alcohol (TBA)	69	72	60-140	4	0-25	
Diisopropyl Ether (DIPE)	102	103	60-140	1	0-25	
Ethyl-t-Butyl Ether (ETBE)	99	100	60-140	2	0-25	
Tert-Amyl-Methyl Ether (TAME)	94	95	60-140	1	0-25	

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 12/14/01
Work Order No: 01-12-0713
Preparation: EPA 5030B
Method: EPA 8260B

Project: Mondo Chrome/172-01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-4,117	Aqueous	GC/MS W	N/A	12/16/01	121501BW

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	96	72-127	3	0-25	
Carbon Tetrachloride	100	100	70-130	1	0-25	
Chlorobenzene	100	94	72-131	6	0-25	
1,2-Dichlorobenzene	98	93	70-130	5	0-25	
1,1-Dichloroethene	98	98	69-127	1	0-25	
Toluene	100	96	75-124	4	0-25	
Trichloroethene	101	98	60-137	3	0-25	
Vinyl Chloride	100	100	79-118	0	0-25	
Methyl-t-Butyl Ether (MTBE)	100	98	80-120	2	0-25	
Tert-Butyl Alcohol (TBA)	74	76	60-140	3	0-25	
Diisopropyl Ether (DIPE)	108	93	60-140	14	0-25	
Ethyl-t-Butyl Ether (ETBE)	104	103	60-140	1	0-25	
Tert-Amyl-Methyl Ether (TAME)	99	98	60-140	2	0-25	

Calscience Environmental Laboratories, Inc.

GLOSSARY OF TERMS AND QUALIFIERS

Work Order Number: 01-12-0713

Qualifier	Definition
D	The sample data was reported from a diluted analysis.
ND	Not detected at indicated reporting limit.

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 1 2 - 0 7 1 3

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: FGEY

DATE: 12/14/01

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

1 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: [illegible]

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact): _____ Not Applicable (N/A): ✓

Initial: [illegible]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		
VOA vial(s) free of headspace	✓		
Tedlar bag(s) free of condensation			✓

Initial: [illegible]

COMMENTS:

CALSCIENCE ENVIRONMENTAL
LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 12-14-01

Page 1 of 1

LABORATORY CLIENT: FREY ENVIRONMENTAL, INC.

ADDRESS: 2817 LAFAYETTE AVE

CITY: NEWPORT BEACH STATE: CA ZIP: 92663

TEL: 949-723-1645 FAX: 949-723-1854 E-MAIL:

CLIENT PROJECT NAME / NUMBER: MONDO CHROME 172-01

PROJECT CONTACT: EVAN PRIVETT

SAMPLER(S): (SIGNATURE)

P.O. NO.:

LAB USE ONLY: 1 2 - 0 7 1 3

COOLER RECEIPT TEMP = 1 °C

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____ / ____ / ____.

SPECIAL INSTRUCTIONS

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	LOCATION/DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) or ____	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	VOCs (8260B)	VOCs (8260B) EnCore	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	EDB / DBCP (504.1) or (8011)	CAC, T22 METALS (6010B)	PNAs (8310)	VOCs (TO-14A) or (TO-15)	CH_4 / TGNMO (25.1)	FIXED GASES (25.1) or (D1946)	Hex Chrome EPA 7199	Cadmium EPA 6010	Total Chromium EPA 6010		
1	MW1	PLASTIC ~~GRAND WATER~~ 500 mL	12-13-01		H_2O	6				X												X	X	X		
		PLASTIC 250 mL																								
		VOAS																								
2	MW2	500 mL PLASTIC				6																				
		250 mL PLASTIC																								
		VOAS																								
3	MW3	500 mL PLASTIC				6																				
		250 mL PLASTIC																								
		VOAS																								

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		12-14-01	0910
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received for Laboratory by: (Signature)	Date: 12-14-01	Time: 0910

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Yellow and Pink copies respectively.

10/01/00 Revision

Q&Q Graphic (714) 898-9702

SWC # 0760
SSH

FREY ENVIRONMENTAL, INC.

Environmental Geologists, Engineers, Assessors

2817 A Lafayette Avenue
Newport Beach, CA 92663
(949) 723-1645
Fax (949) 723-1854
Email: freyinc@freyinc.com

May 13, 2002
172-01

Mr. Howard Kay
Tedesco Leasing Partnership
475 Seventeenth Street
Suite 940
Denver, CO 80202

2002 MAY 14 P 1:58

GROUNDWATER MONITORING WELL SAMPLING
FIRST QUARTER 2002
FORMER MONDO CHROME FACILITY
4933 FIRESTONE BOULEVARD
SOUTH GATE, CALIFORNIA

Dear Mr. Kay:

This report presents the results of groundwater monitoring and sampling activities conducted at the former Mondo Chrome facility, located at 4933 Firestone Boulevard in South Gate, California [(Site)(Figure 1)].

SUMMARY OF ACTIVITIES

On March 26,2002, groundwater monitoring wells MW1, MW2 and MW3 were measured for depth to water and checked for the presence of light non-aqueous phase liquids (LNAPLs). LNAPLs were not detected in wells MW1, MW2 or MW3 which were then purged and sampled according to the procedures presented in Appendix A.

Groundwater samples were analyzed for volatile organic compounds (VOC's) in general accordance with EPA Method No. 8260B. Groundwater samples were also analyzed for total chromium and cadmium in general accordance with EPA Method No. 6010B, and hexavalent chromium in general accordance with EPA Method No. 7199.

Groundwater purged from the wells is temporarily being stored on-Site in 55-gallon drums. The purged groundwater will be transported and disposed of at a State-certified recycling facility at a later date. A copy of the disposal manifest for groundwater generated during the Fourth Quarter 2001 sampling event is included in Appendix C.

RESULTS

Calculated groundwater elevations and chemical analytical data have been summarized in Table 1. Laboratory reports are presented in Appendix B.

- The depth to groundwater ranged from 41.40 feet to 41.70 feet below the top of casing on March 26, 2002. Groundwater elevations ranged from 67.70 feet above mean sea level in well MW1 to 68.19 feet above mean sea level in well MW3 on March 26, 2002.

- Groundwater was estimated to flow toward the north-northwest at a gradient of 0.0039 feet per foot on March 26, 2002. A Site sketch showing groundwater elevations and estimated direction of groundwater flow on March 26, 2002 is presented on Figure 2.

- PCE and TCE were detected in the groundwater samples collected and analyzed from wells MW1 through MW3 at concentrations up to 590 micrograms per liter (ug/l) and 980 ug/l, respectively (Table 1). Site sketches showing PCE and TCE concentrations in groundwater are presented on Figures 3 and 4, respectively.

- Chromium was detected in the groundwater samples collected and analyzed from wells MW1, MW2 and MW3. Cadmium and hexavalent chromium were not detected in the groundwater samples collected and analyzed from wells MW1, MW2 and MW3 (Table 1).

CONCLUSIONS

- TCE, and to a lesser extent PCE, are the highest detected concentrations of VOC's in groundwater at the Site. Concentrations of TCE and PCE in groundwater have remained relatively stable since the initiation of groundwater monitoring in 1998.

- Hexavalent chromium has never been detected in groundwater samples collected from groundwater monitoring wells MW1 through MW3 since the initiation of groundwater sampling on December 7, 1998.

- Total chromium has never been detected above the maximum contamination level (MCL) in groundwater samples collected from groundwater monitoring wells MW1 and MW2 since the initiation of groundwater sampling on December 7, 1998. Total chromium has been detected above the MCL on two occasions in the groundwater samples collected from groundwater monitoring well MW3 since December 7, 1998.

- Cadmium has never been detected in groundwater samples collected from groundwater monitoring well MW1 since the initiation of groundwater sampling in 1998. Cadmium has been detected on one occasion (below the MCL), in groundwater samples collected and analyzed from groundwater monitoring well MW2. Cadmium has been detected on two occasions at concentrations of 3 ug/l and 6 ug/l in groundwater samples collected and analyzed from groundwater monitoring well MW3. The MCL for cadmium is 5 ug/l.

Sincerely,
FREY Environmental, Inc.

REGISTERED ENGINEERING GEOLOGIST
JOSEPH W. FREY
No. 1500
Exp. 3/31/04
STATE OF CALIFORNIA

Joe Frey
Principal Certified
Engineering Geologist
CEG #1500

Josh Moeller
Staff Geologist

Enclosures:
Table 1 - Groundwater Levels and Chemical Analyses
Figure 1 - Site Location Map
Figure 2 - Site Sketch Showing Groundwater Elevations and Estimated Groundwater Flow Direction on March 26, 2002
Figure 3 - Site Sketch With PCE Concentrations in Groundwater on March 26, 2002
Figure 4 - Site Sketch With TCE Concentrations in Groundwater on March 26, 2002
Appendix A - Field Procedures/Water Sampling Data Forms
Appendix B - Laboratory Results
Appendix C - Disposal Manifest Documentation

cc: Steven Hariri
Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

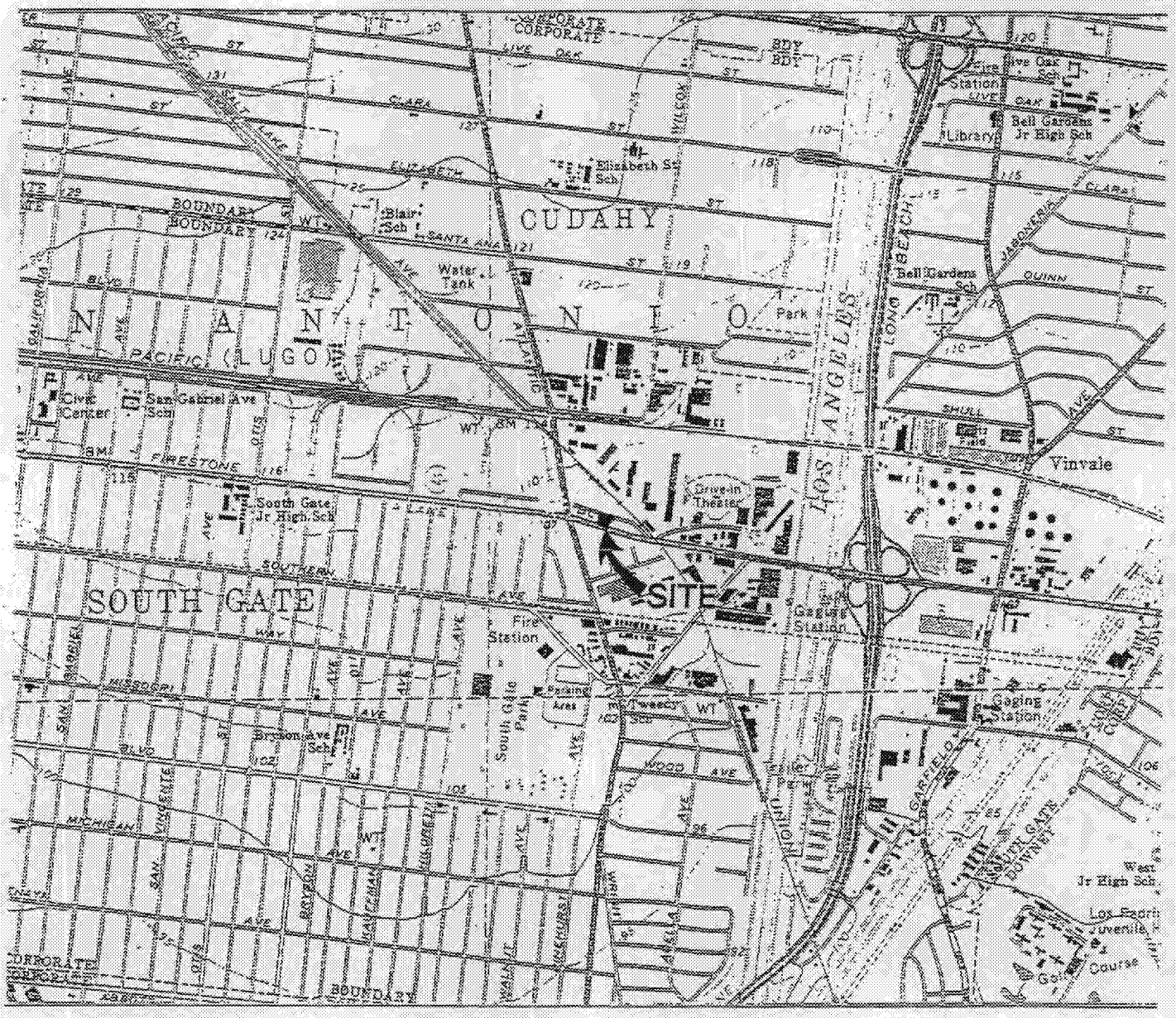
TABLE

TABLE 1
GROUNDWATER LEVELS AND CHEMICAL ANALYSES
FORMER MONDO CHROME FACILITY
4933 FIRESTONE BOULEVARD
SOUTH GATE, CALIFORNIA

Well No.	Well Elevation (ft-msl)	Screen Interval (feet-bgs)	Date Sampled	Depth to Groundwater (feet)	Groundwater Elevation (ft-msl)	PCE ug/l (ppb)	TCE ug/l (ppb)	cis-1,2-DCE ug/l (ppb)	trans-1,2-DCE ug/L (ppb)	1,1-DCE ug/l (ppb)	Vinyl Chloride ug/l (ppb)	1,2-DCA ug/l (ppb)	Total Chromium ug/l (ppb)	Chromium VI ug/l (ppb)	Cadmium ug/l (ppb)
MW1	109.40	30-55	12/07/1998	41.58	67.82	110	140	6.8	NA	ND>1	ND>1.0	ND>0.5	NA	NA	NA
			03/03/1999	40.71	68.69	140	190	ND>10	NA	ND>16	ND>20	ND>10	19	ND>20	ND>4
			06/24/1999	40.36	69.04	600	780	ND>25	NA	ND>40	ND>50	ND>25	19	ND>20	ND>4
			09/17/1999	40.31	69.09	707	824	9.4	NA	1.9	1.9	ND>0.5	16	ND>20	ND>4
			12/20/1999	40.35	69.05	395	695	10	NA	1.6	ND>1.0	ND>0.5	37	ND>20	ND>3
			03/28/2000	40.42	68.98	368	538	11	NA	1.9	ND>1.0	ND>0.5	4	NA	NA
			06/26/2000	40.30	68.90	663	909	125	NA	ND>0.8	ND>1.0	ND>0.5	46	NA	NA
			09/22/2000	40.55	68.85	111	130	ND>0.5	NA	2.49	ND>1.0	ND>0.5	ND>3	NA	NA
			12/18/2000	41.78	67.62	616	116	14	2.1	1.4	ND>1.0	ND>0.5	20	ND>20	ND>3
			03/05/2001	40.90	68.50	670	330	11	2.3	2.7	3.4	0.65	11	ND>20	ND>3
			06/04/2001	40.88	68.52	420	800	12	ND>0.8	1.6	ND>1.0	ND>1	19	NA	ND>3
			09/24/2001	41.28	68.12	430	890	17	ND>10	ND>10	ND>10	ND>5.0	8.42	ND>1.0	ND>5
			12/13/2001	41.71	67.69	420	890	12	ND>1.0	1.9	ND>1.0	ND>0.50	22.5	ND>1.0	ND>5
			03/27/2002	41.70	67.70	590	980	18	ND>5.0	ND>5.0	ND>5.0	ND>2.5	15.4	ND>1.0	ND>5
MW2	109.45	30-55	12/07/1998	41.68	67.77	11	77	16	NA	ND>1	ND>1.0	ND>0.5	NA	NA	NA
			03/03/1999	40.81	68.64	6.5	130	13	NA	ND>4	ND>5	ND>2.5	33	ND>20	ND>4
			06/24/1999	40.45	69.00	20	160	13	NA	ND>8	ND>10	ND>5	50	ND>20	ND>4
			09/17/1999	40.40	69.05	15	156	21	NA	ND>0.8	ND>1	ND>0.5	40	ND>20	ND>4
			12/20/1999	40.43	69.02	27	158	18	NA	ND>0.8	ND>1.0	ND>0.5	18	ND>20	ND>3
			03/28/2000	40.38	69.07	8.4	138	27	NA	0.8	ND>1.0	ND>0.5	19	NA	NA
			06/26/2000	40.46	68.99	17	101	230	NA	ND>0.8	ND>1.0	ND>0.5	38	NA	NA
			09/22/2000	40.47	68.98	3.79	72.6	ND>0.5	NA	ND>0.8	ND>1.0	ND>0.5	17	NA	NA
			12/18/2000	41.70	67.75	12	92	28	2.1	ND>0.8	ND>1.0	ND>0.5	20	ND>20	ND>3
			03/05/2001	40.83	68.62	7.1	50	19	2.2	1.3	1.2	ND>0.5	23	ND>20	3
			06/04/2001	40.71	68.74	3.0	86	24	ND>0.8	ND>0.8	ND>1.0	ND>0.5	28	NA	ND>3
			09/24/2001	41.11	68.34	3.1	94	45	ND>1.0	ND>1.0	ND>1.0	ND>0.50	6.73	ND>1.0	ND>5
			12/13/2001	41.49	67.96	2.9	98	34	ND>1.0	ND>1.0	ND>1.0	ND>0.50	12.1	ND>1.0	ND>5
			03/27/2002	41.40	68.05	4.1	120	46	1.1	ND>1.0	ND>1.0	ND>0.50	9.67	ND>1.0	ND>5
MW3	109.61	30-55	12/07/1998	41.78	67.83	9.3	75	10	NA	1.7	ND>1.0	ND>0.5	NA	NA	NA
			03/03/1999	40.94	68.67	5.1	100	6.4	NA	ND>4	ND>5	ND>2.5	68	ND>20	ND>4
			06/24/1999	40.59	69.02	7.4	110	7.3	NA	ND>8	ND>10	ND>5	50	ND>20	ND>4
			09/17/1999	40.56	69.05	6.1	145	12	NA	1.2	2.3	1.2	58	ND>20	ND>4
			12/20/1999	40.61	69.00	4.4	43	3.6	NA	ND>0.8	ND>1.0	ND>0.5	37	ND>20	ND>3
			03/28/2000	40.54	69.07	4.7	114	13	NA	1.7	ND>1.0	0.9	19	NA	NA
			06/26/2000	40.61	69.00	26	92	ND>0.5	NA	ND>0.8	ND>1.0	ND>0.5	44	NA	NA
			09/22/2000	40.60	69.01	7.11	66	4.97	NA	1.61	ND>1.0	ND>0.5	20	NA	NA
			12/18/2000	41.85	67.76	11	80	13	1.9	1.1	ND>1.0	ND>0.5	30	ND>20	ND>3
			03/05/2001	40.90	68.71	7	47	11	2	2.2	1.4	1.2	24	ND>20	6
			06/04/2001	40.86	68.75	2.4	56	9.2	ND>0.8	0.85	ND>1.0	ND>0.5	26	NA	3
			09/24/2001	41.20	68.41	2.5	72	17	ND>1.0	1.4	ND>1.0	1.0	7.74	ND>1.0	ND>5
			12/13/2001	41.48	68.13	3.1	67	11	ND>1.0	1.3	ND>1.0	ND>0.50	9.35	ND>1.0	ND>5
			03/27/2002	41.42	68.19	3.4	80	14	ND>1.0	1.7	ND>1.0	1.0	11.8	ND>1.0	ND>5
DTSC MCLs						5	5	6	0.8	6	0.5	0.5	50		5

Notes
1) Well elevation recorded at top of casing
2) PCE = Tetrachloroethene
3) TCE = Trichloroethene
4) cis 1,2-DCE = cis 1,2 Dichloroethene
5) 1,1-DCE = 1,1 Dichloroethene
6) 1,2-DCA = 1,2 Dichloroethane
7) Maximum Contaminant Levels (MCLs) are enforceable drinking water standards.
8) ND> - Constituent not detected above the stated concentration
9) NA - Not analyzed

FIGURES



NORTH

0 1/2 1

SCALE IN MILES

FORMER MONDO CHROME FACILITY
4933 FIRESTONE BOULEVARD
SOUTH GATE, CALIFORNIA

Client: TEDESCO LEASING

Project No.: 172-01

FREY ENVIRONMENTAL, INC.

NOTES:

1) All locations and dimensions are approximate.
2) Base map from USGS 7.5 minute South Gate (1966, photorevised 1981), California topographic quadrangle.

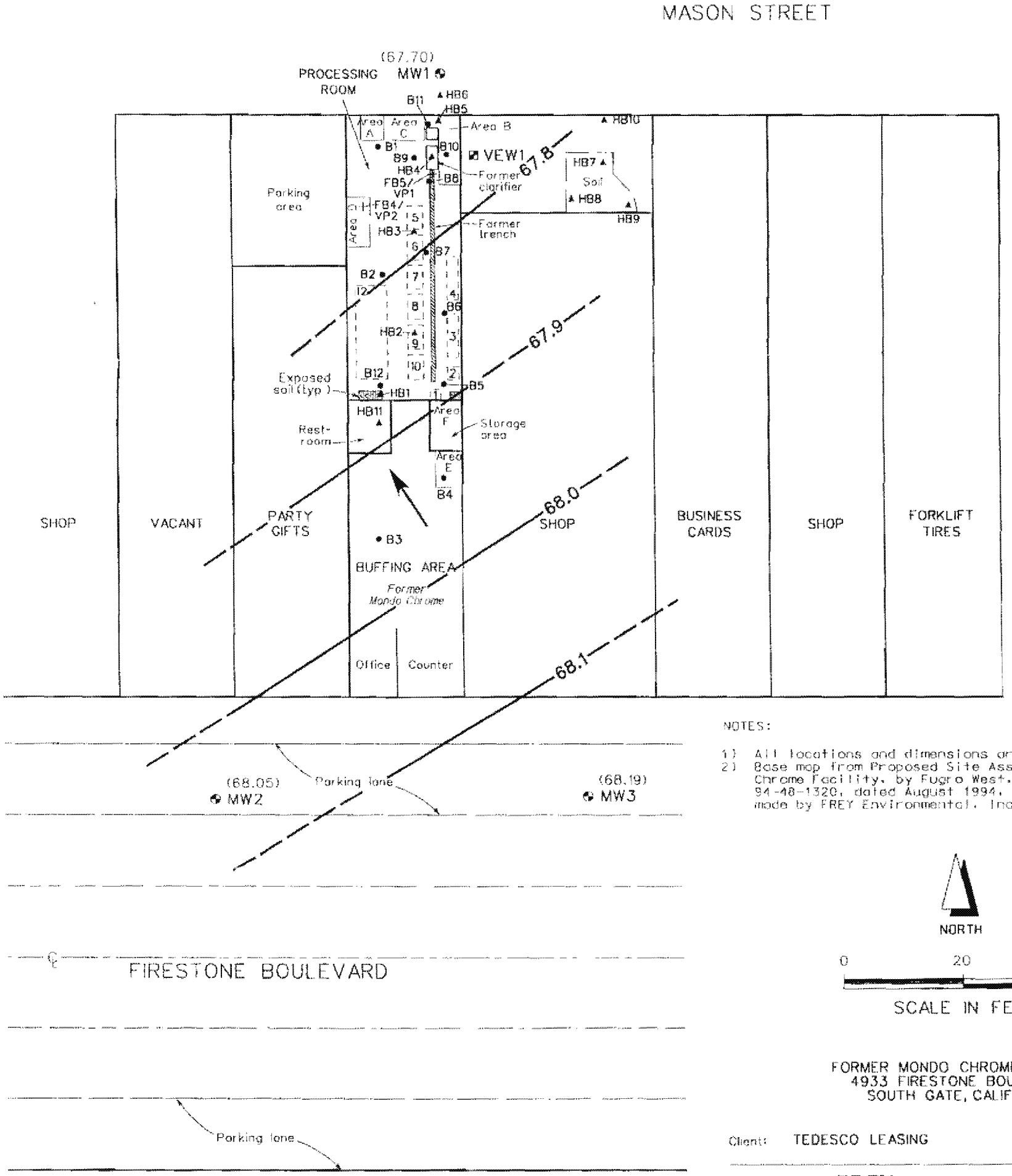
SITE LOCATION MAP

Date: JANUARY 1996

Figure: 1

EXPLANATION

▲ HB6	HAND AUGER BORING LOCATION
● B11	BORING LOCATION
VEW1	VAPOR EXTRACTION WELL LOCATION
+ FB4/ VP2	SOIL SAMPLE LOCATION/VAPOR PROBE LOCATION
MW3	GROUNDWATER MONITORING WELL LOCATION
(68.19)	With groundwater elevation in feet MSL, on March 27, 2002
68.1	CONTOUR OF EQUAL GROUNDWATER ELEVATION in feet MSL, on March 27, 2002
→	ESTIMATED GROUNDWATER FLOW DIRECTION



NOTES:

1) All locations and dimensions are approximate.
2) Base map from Proposed Site Assessment, Former Mondo Chrome Facility, by Fugro West, Inc., project no. 94-48-1320, dated August 1994, and field observations made by FREY Environmental, Inc. July 1996.

NORTH

0 20 40

SCALE IN FEET

FORMER MONDO CHROME FACILITY
4933 FIRESTONE BOULEVARD
SOUTH GATE, CALIFORNIA

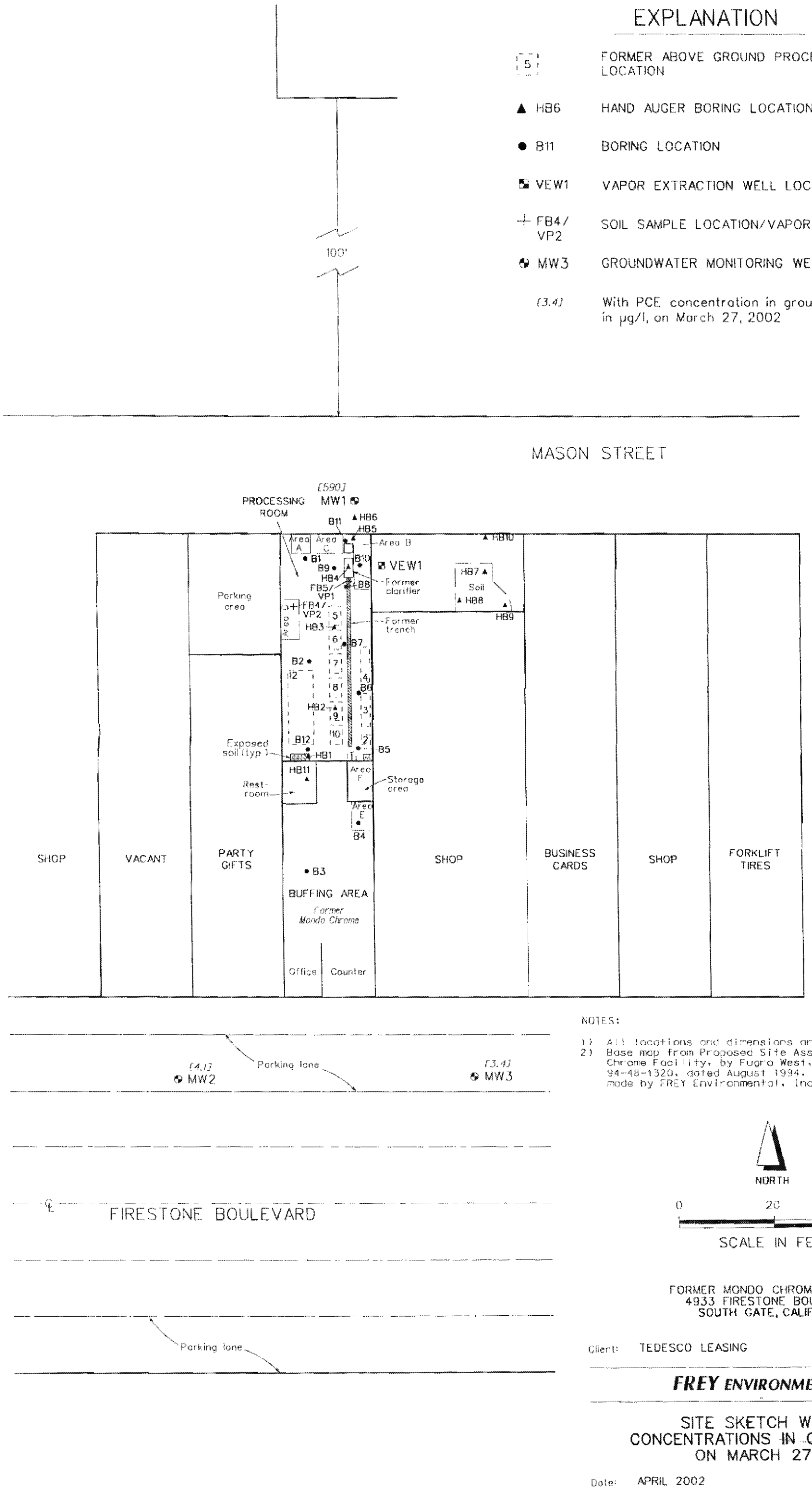
Client: TEDESCO LEASING Project No.: 172-01

FREY ENVIRONMENTAL, INC.

SITE SKETCH SHOWING GROUNDWATER ELEVATIONS AND ESTIMATED GROUNDWATER FLOW DIRECTION ON MARCH 27, 2002

Date: APRIL 2002 Figure 2

17201/17201-2a.dgn



NOTES:

1) All locations and dimensions are approximate.
2) Base map from Proposed Site Assessment, Former Mondo Chrome Facility, by Fugro West, Inc., project no. 94-48-1320, dated August 1994, and field observations made by FREY Environmental, Inc. July 1996.

FORMER MONDO CHROME FACILITY
4933 FIRESTONE BOULEVARD
SOUTH GATE, CALIFORNIA

Client: TEDESCO LEASING Project No.: 172-01

FREY ENVIRONMENTAL, INC.

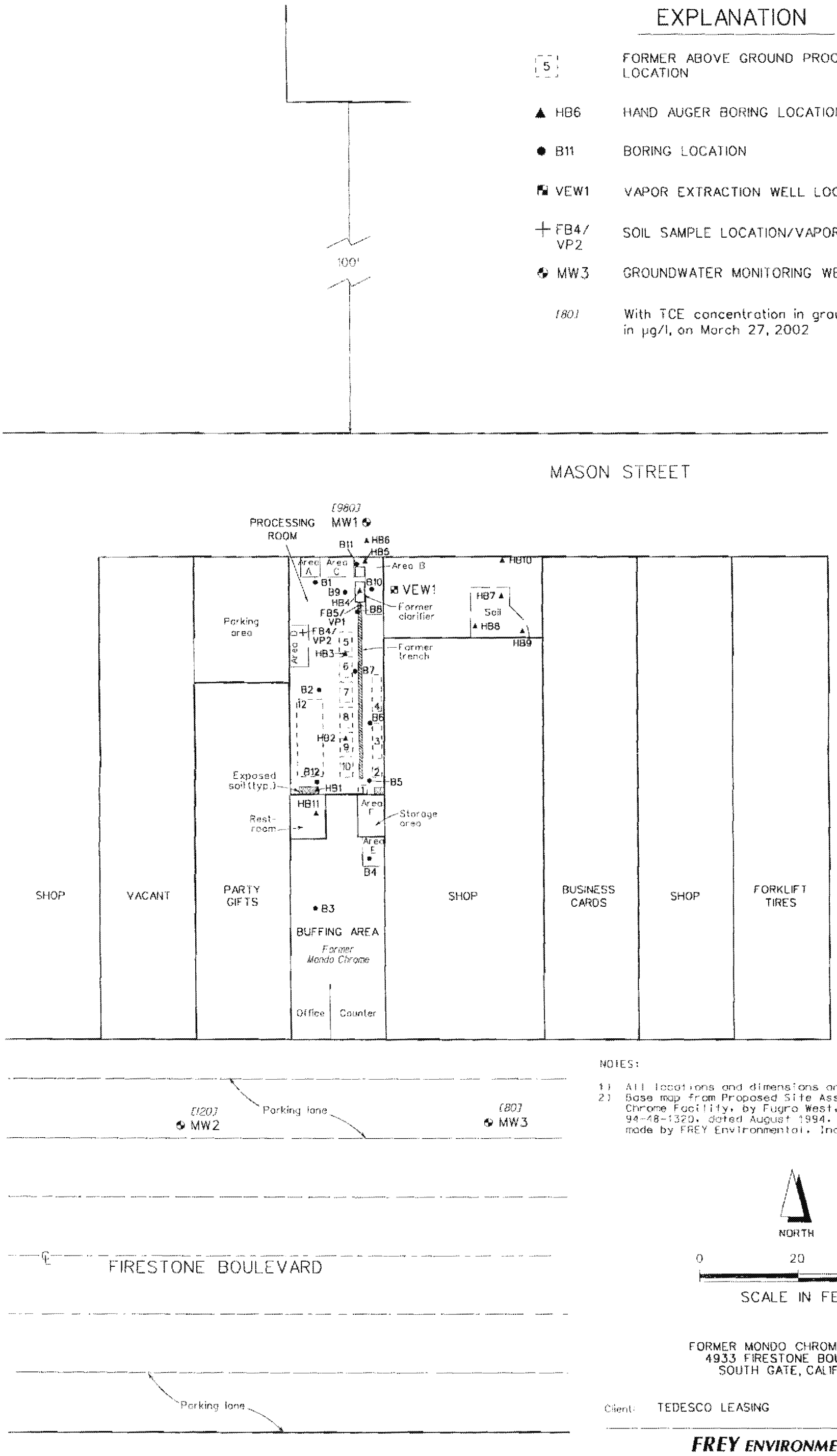
SITE SKETCH WITH PCE CONCENTRATIONS IN GROUNDWATER, ON MARCH 27, 2002

Date: APRIL 2002 Figure 3

172D1/172D1-2a.dgn

EXPLANATION

5	FORMER ABOVE GROUND PROCESS TANK LOCATION
▲ HB6	HAND AUGER BORING LOCATION
● B11	BORING LOCATION
VEW1	VAPOR EXTRACTION WELL LOCATION
+ FB4/ VP2	SOIL SAMPLE LOCATION/VAPOR PROBE LOCATION
MW3	GROUNDWATER MONITORING WELL LOCATION
180]	With TCE concentration in groundwater, in µg/l, on March 27, 2002



NOTES:

1) All locations and dimensions are approximate.
2) Base map from Proposed Site Assessment, Former Mondo Chrome Facility, by Fugro West, Inc., project no. 94-48-1320, dated August 1994, and field observations made by FREY Environmental, Inc. July 1996.

NORTH

0 20 40

SCALE IN FEET

FORMER MONDO CHROME FACILITY
4933 FIRESTONE BOULEVARD
SOUTH GATE, CALIFORNIA

Client: TEDESCO LEASING Project No.: 172-01

FREY ENVIRONMENTAL, INC.

SITE SKETCH WITH TCE CONCENTRATIONS IN GROUNDWATER, ON MARCH 27, 2002

Date: APRIL 2002 Figure 4

17201/1/201-3a.dgn