SEMS-RM DOCID # 1167223

0760 AS

FREY ENVIRONMENTAL, INC.

Environmental Geologists, Engineers, Assessors

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July 12, 2011
172-01

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RECEIVED
2011 JUL 18 PM 4 24
CALIFORNIA WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

GROUNDWATER MONITORING WELL SAMPLING
AND SITE STATUS UPDATE
SECOND QUARTER 2011
FORMER MONDO CHROME FACILITY
4933 FIRESTONE BOULEVARD
SOUTH GATE, CALIFORNIA
SLIC#00760, GID#SL2043G1564

On June 20, 2011, groundwater monitoring wells MW1, MW2, and MW3 were measured for depth to water and checked for the presence of free product. Free product was not detected in wells MW1, MW2, or MW3 which were subsequently purged and sampled according to the procedures outlined in Appendix A. Groundwater sampling data sheets are presented in Appendix B.

Collected groundwater samples were analyzed for volatile organic compounds (VOCs) in accordance with EPA Method No. 8260B. Laboratory data sheets have been attached in Appendix C. Groundwater purged from the wells was transported to and disposed of at Crosby and Overton in Long Beach, California. The groundwater disposal manifest has been attached in Appendix D.

RESULTS FROM CURRENT MONITORING AND SAMPLING EVENT

Current phase of project	Monitoring and Assessment
Nature of contamination	PCE, TCE and cis 1,2-DCE
Frequency of monitoring/sampling	quarterly
Date of groundwater monitoring/sampling	June 20, 2011
Wells monitored	MW1, MW2 and MW3
Wells sampled	MW1, MW2 and MW3

Number of monitoring wells	3	
Purged / Sampled	3 / 3	
Depth to groundwater range	47.88 (MW2) to 48.49 (MW1)	**(ft btoc)**
Groundwater elevation range	60.91 (MW1) to 61.57 (MW2)	**(feet)**
Groundwater flow/gradient	Northeast / 0.005	
Flow consistent with prev quarters	Generally flows toward northwest or north	
PCE concentration range	ND<1.0 to 38	**(µg/L)**
Well with highest PCE concentration	MW1	
TCE concentration range	12 to 660	**(µg/L)**
Well with highest TCE concentration	MW1	
cis 1,2-DCE concentration range	21 to 86	**(µg/L)**
Well with highest cis 1,2 DCE concentration	MW1	
Wells / surface water within 2,000 feet	City of South Gate Well #7	
Distance / direction from site (nearest)	approximately 325 feet to the north	**(feet)**
Volume of groundwater purged	15	**(gal)**
Disposal & recycling facility	Crosby & Overton	
Current remediation techniques	N/A	
		(µg/L = micrograms per liter)
		(ft btoc = feet below top of casing)
Summary of unusual activity	None	
Agency directive requirements	Groundwater monitoring Assessment of Soil, Soil Vapor and Groundwater	

RESULTS

- Groundwater was estimated to flow toward the northeast on June 20, 2011. Groundwater has consistently flowed toward the north or northwest since the first quarter of 2000. A Site sketch showing groundwater elevations and estimated direction of groundwater flow is presented as Figure 3.

- Tetrachloroethene (PCE) was detected in groundwater samples collected and analyzed from wells MW1 and MW3. Trichloroethene (TCE) and cis-1,2-dichloroethene (cis 1,2-DCE) were detected in the groundwater samples collected and analyzed from wells MW1, MW2 and MW3. No other VOCs, as part of the EPA Method 8260B list, were detected in the groundwater samples collected from MW1, MW2 or MW3.

- The highest concentrations of PCE, TCE and cis 1,2-DCE were detected in the groundwater samples collected from MW1. Historically, the greatest concentrations of VOCs have been detected in MW1. A site sketch showing PCE, TCE and cis 1,2-DCE concentrations in groundwater on June 20, 2011, is presented as Figure 4.

SITE STATUS UPDATE AND ACTIVITIES PLANNED FOR THE THIRD QUARTER 2011

- FREY submitted two workplans titled "Soil Vapor Survey" and "Soil Investigation" for the Site dated May 25, 2011. Upon receipt of written approval from the Regional Water Quality Control Board- Los Angeles Region (RWQCB), FREY will proceed with the activities outlined in the workplans.

- FREY submitted a workplan titled "Groundwater Investigation" for the Site dated May 27, 2011. FREY is currently awaiting approval from the RWQCB to proceed with the activities outlined in the workplan.

- FREY will conduct third quarter groundwater monitoring and sampling during the third week of September 2011.

If you have any questions regarding this report, please contact us at your convenience.

Sincerely,
FREY Environmental, Inc.

Evan Privett
Senior Project Geologist
PG #7880

ATTACHMENTS

Table 1	Groundwater Levels and Chemical Analyses
Table 2	Summary of Additional Chemical Analyses
Figure 1	Site Location Map
Figure 2	Site Vicinity Sketch
Figure 3	Site Sketch Showing Groundwater Elevations and Estimated Groundwater Flow Direction on June 20, 2011
Figure 4	Site Sketch With Concentrations of VOCs in Groundwater on June 20, 2011
Appendix A	Field Procedures
Appendix B	Water Sampling Data Forms
Appendix C	Laboratory Results
Appendix D	Groundwater Disposal Manifest

cc: Adnan Siddiqui
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Sedina Banks, Esq.
Greenberg Glusker Fields Claman & Machtinger LLP
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Los Angeles, CA 90067

TABLES

TABLE 1
Groundwater Levels and Chemical Analyses
Former Mondo Chrome Facility
4933 Firestone Boulevard
South Gate, California

Well Number	Well Elevation (ft-msl)	Date Sampled	Depth to Groundwater (feet)	Groundwater Elevation (ft-msl)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl chloride (µg/L)	1,2-DCA (µg/L)	1,2,3-TCP (µg/L)	1,4-Dioxane (µg/L)
MW1	109.40	12/07/1998	41.58	67.82	110	140	6.8	NA	ND<1.0	ND<1.0	ND<0.5	NA	NA
		03/03/1999	40.71	68.69	140	190	ND<10	NA	ND<16	ND<20	ND<10	NA	NA
screen		06/24/1999	40.36	69.04	600	780	ND<25	NA	ND<40	ND<50	ND<25	NA	NA
interval		09/17/1999	40.31	69.09	707	824	9.4	NA	1.9	1.9	ND<0.5	NA	NA
(feet-bgs)		12/20/1999	40.35	69.05	395	635	10	NA	1.6	ND<1.0	ND<0.5	NA	NA
30-55		03/28/2000	40.42	68.98	368	538	11	NA	1.9	ND<1.0	ND<0.5	NA	NA
		06/26/2000	40.50	68.90	663	909	125	NA	ND<0.8	ND<1.0	ND<0.5	NA	NA
		09/22/2000	40.55	68.85	111	150	ND<0.5	NA	2.49	ND<1.0	ND<0.5	NA	NA
		12/18/2000	41.78	67.62	616	116	14	2.1	1.4	ND<1.0	ND<0.5	NA	NA
		03/05/2001	40.90	68.50	670	330	11	2.2	2.7	3.4	0.65	NA	NA
		06/04/2001	40.88	68.52	420	800	12	ND<0.8	1.6	ND<1.0	ND<1.0	NA	NA
		09/24/2001	41.28	68.12	430	890	17	ND<10	ND<10	ND<10	ND<5.0	NA	NA
		12/13/2001	41.71	67.69	420	890	12	ND<1.0	1.9	ND<1.0	ND<0.50	NA	NA
		03/27/2002	41.70	67.70	590	980	18	ND<5.0	ND<5.0	ND<5.0	ND<2.5	NA	NA
		10/30/2002	41.72	67.68	500	880	12	ND<10	ND<10	ND<5.0	ND<5.0	NA	NA
		05/06/2003	43.18	66.22	640	1,000	17	ND<10	ND<10	ND<5.0	ND<5.0	NA	NA
		11/07/2003	43.54	65.86	510	820	15	ND<1.0	2.3	0.90	ND<0.50	NA	NA
		03/14/2008	43.58	65.82	310	560	13	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<5.00	5.8
		03/18/2011	48.34	61.06	26	250	48	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA
		06/20/2011	48.49	60.91	38	660	86	4.6	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA

TABLE 1
Groundwater Levels and Chemical Analyses
Former Mondo Chrome Facility
4933 Firestone Boulevard
South Gate, California

Well Number	Well Elevation (ft-msl)	Date Sampled	Depth to Groundwater (feet)	Groundwater Elevation (ft-msl)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl chloride (µg/L)	1,2-DCA (µg/L)	1,2,3-TCP (µg/L)	1,4-Dioxane (µg/L)
MW2	109.45	12/07/1998	41.68	67.77	11	77	16	NA	ND<1.0	ND<1.0	ND<0.5	NA	NA
		03/03/1999	40.81	68.64	6.5	130	13	NA	ND<4	ND<5	ND<2.5	NA	NA
screen		06/24/1999	40.45	69.00	20	160	13	NA	ND<8	ND<10	ND<5	NA	NA
interval		09/17/1999	40.40	69.05	15	156	21	NA	ND<0.8	ND<1	ND<0.5	NA	NA
(feet-bgs)		12/20/1999	40.43	69.02	27	158	18	NA	ND<0.8	ND<1.0	ND<0.5	NA	NA
30-55		03/28/2000	40.38	69.07	8.4	138	27	NA	0.8	ND<1.0	ND<0.5	NA	NA
		06/26/2000	40.46	68.99	17	101	230	NA	ND<0.8	ND<1.0	ND<0.5	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	NA	NA
		12/18/2000	41.70	67.75	12	92	28	2.1	ND<0.8	ND<1.0	ND<0.5	NA	NA
		03/05/2001	40.83	68.62	7.1	50	19	2.2	1.3	1.2	ND<0.5	NA	NA
		06/04/2001	40.71	68.74	3.0	86	24	ND<0.8	ND<0.8	ND<1.0	ND<0.5	NA	NA
		09/24/2001	41.11	68.34	3.1	94	45	ND<10	ND<1.0	ND<1.0	ND<0.50	NA	NA
		12/13/2001	41.49	67.96	2.9	98	34	ND<1.0	ND<1.0	ND<1.0	ND<0.50	NA	NA
		03/27/2002	41.40	68.05	4.1	120	46	1.1	ND<1.0	ND<1.0	ND<0.50	NA	NA
		10/30/2002	41.43	68.02	5.0	90	62	1.3	ND<1.0	ND<0.50	ND<0.50	NA	NA
		05/06/2003	42.76	66.69	2.9	97	53	1.4	ND<1.0	ND<0.50	ND<0.50	NA	NA
		11/07/2003	43.26	66.19	3.3	90	52	1.2	ND<1.0	ND<0.50	ND<0.50	NA	NA
		03/14/2008	43.22	66.23	2.2	68	43	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<5.00	ND<2.0
		03/18/2011	47.73	61.72	1.8	4.9	14	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA
		06/20/2011	47.88	61.57	ND<1.0	12	24	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA

TABLE 1
Groundwater Levels and Chemical Analyses
Former Mondo Chrome Facility
4933 Firestone Boulevard
South Gate, California

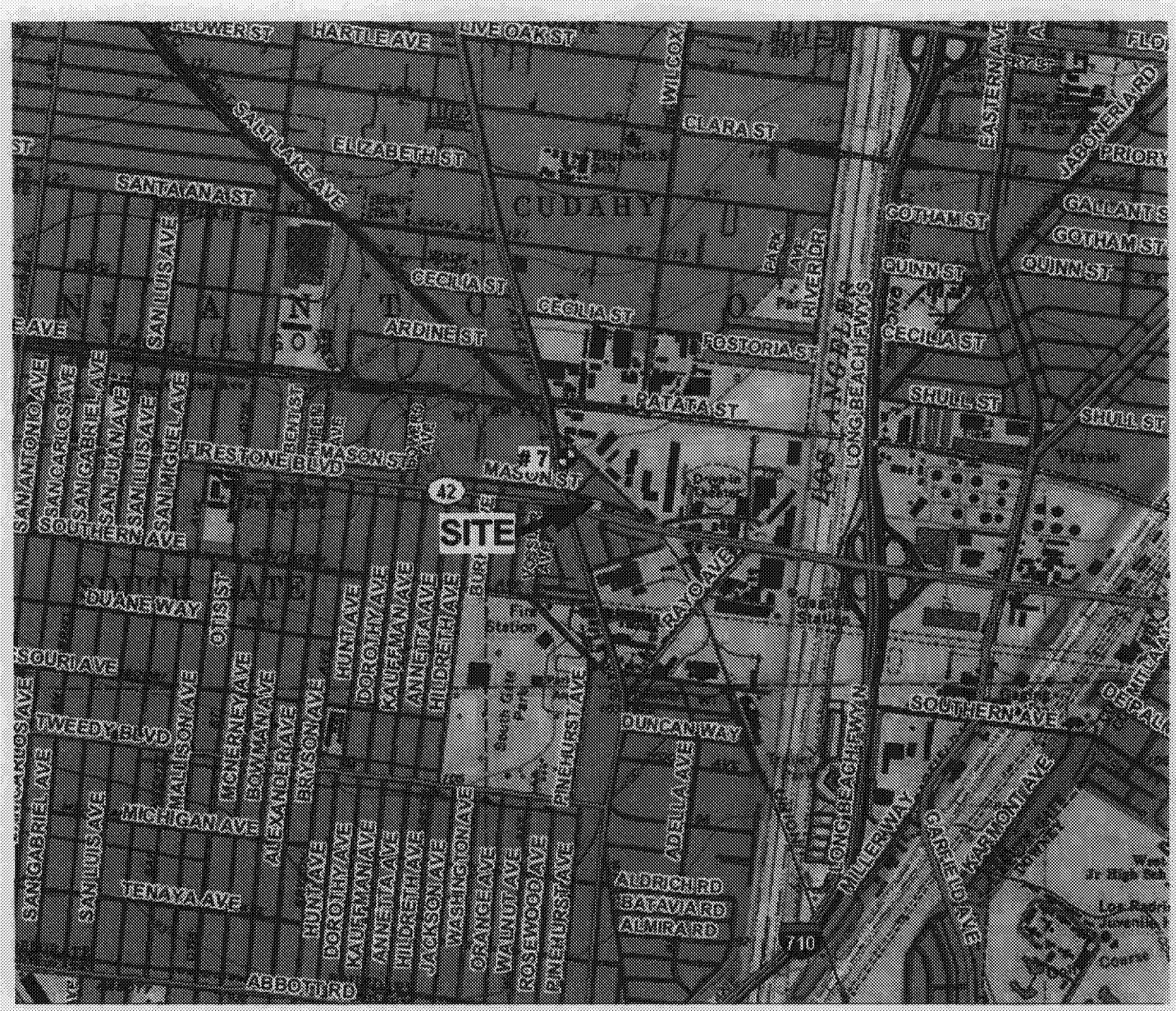
Well Number	Well Elevation (ft-msl)	Date Sampled	Depth to Groundwater (feet)	Groundwater Elevation (ft-msl)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl chloride (µg/L)	1,2-DCA (µg/L)	1,2,3-TCP (µg/L)	1,4-Dioxane (µg/L)
MW3	109.61	12/07/1998	41.78	67.83	9.3	75	10	NA	1.7	ND<1.0	ND<0.50	NA	NA
		03/03/1999	40.94	68.67	5.1	100	6.4	NA	ND<4	ND<5	ND<2.5	NA	NA
screen		06/24/1999	40.59	69.02	7.4	110	7.3	NA	ND<8	ND<10	ND<5	NA	NA
interval		09/17/1999	40.56	69.05	6.1	145	12	NA	1.2	2.3	1.2	NA	NA
(feet-bgs)		12/20/1999	40.61	69.00	4.4	43	3.6	NA	ND<0.8	ND<1.0	ND<0.5	NA	NA
30-55		03/28/2000	40.54	69.07	4.7	114	13	NA	1.7	ND<1.0	0.9	NA	NA
		06/26/2000	40.61	69.00	26	92	ND<0.5	NA	ND<0.8	ND<1.0	ND<0.50	NA	NA
		09/22/2000	40.60	69.01	7.11	66	4.97	NA	1.61	ND<1.0	ND<0.50	NA	NA
		12/18/2000	41.85	67.76	11	80	13	1.9	1.1	ND<1.0	ND<0.50	NA	NA
		03/05/2001	40.90	68.71	7	47	11	2	2.2	1.4	1.2	NA	NA
		06/04/2001	40.86	68.75	2.4	56	9.2	ND<0.8	0.85	ND<1.0	ND<0.50	NA	NA
		09/24/2001	41.20	68.41	2.5	72	17	ND<1.0	1.4	ND<1.0	1.0	NA	NA
		12/13/2001	41.48	68.13	3.1	67	11	ND<1.0	1.3	ND<1.0	ND<0.50	NA	NA
		03/27/2002	41.42	68.19	3.4	80	14	ND<1.0	1.7	ND<1.0	1.0	NA	NA
		10/30/2002	41.44	68.17	13	72	18	ND<1.0	1.2	ND<0.50	ND<0.50	NA	NA
		05/06/2003	42.86	66.75	3.5	63	12	ND<1.0	1.5	ND<0.50	0.66	NA	NA
		11/07/2003	43.36	66.25	1.5	61	13	ND<1.0	1.5	0.59	ND<0.50	NA	NA
		03/14/2008	43.43	66.18	1.2	49	25	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<5.00	ND<2.0
		03/18/2011	48.11	61.50	9.8	27	13	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA
		06/20/2011	48.25	61.36	4.5	19	21	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA
DHS MCLs					5	5	6	0.8	6	0.5	0.5		

notes:

[1] well elevation recorded at top of casing
[2] maximum contaminant levels (MCLs) are enforceable drinking water standards
[3] Trichlorobenzene 1,2,3 and 1,2,4 detected at concentrations of 1.1 µg/L and 1.0 µg/L, respectively, in sample from well MW3 on 05/06/03.
ND constituent not detected above the stated concentration
NA not analyzed

PCE tetrachloroethene
TCE trichloroethene
cis-1,2-DCE cis-1,2 dichloroethene
trans-1,2-DCE trans-1,2 dichloroethene
1,1-DCE 1,1-dichloroethene
1,2-DCA 1,2-dichloroethane
1,2,3-TCP 1,2,3-Trichloropropane

FIGURES



EXPLANATION

7 City of South Gate Groundwater production well # 7

NORTH

0 1/2 1

SCALE IN MILES

FORMER MONDO CHROME FACILITY
4933 FIRESTONE BOULEVARD
SOUTH GATE, CALIFORNIA

Client: TEDESCO Project No.: 172-01

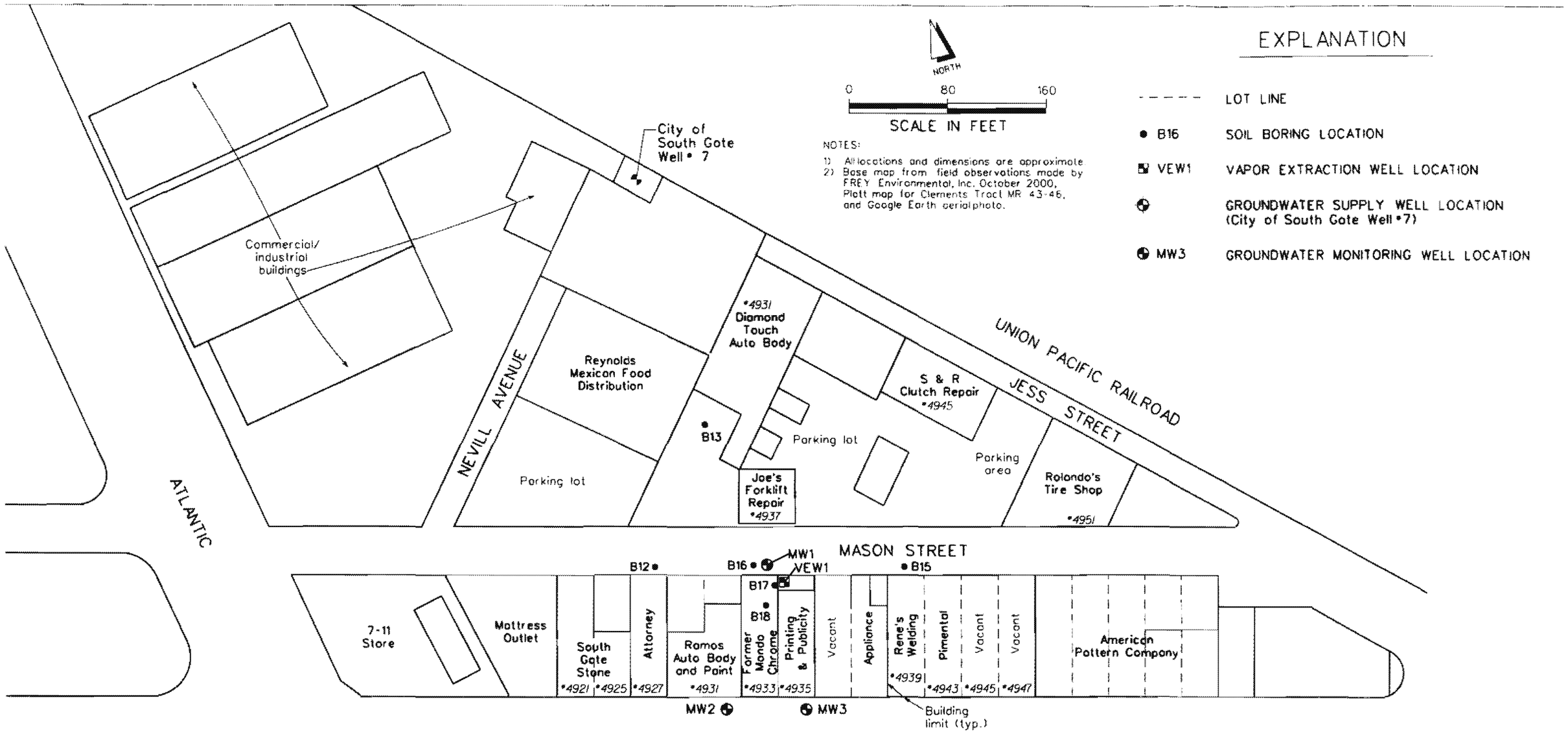
FREY ENVIRONMENTAL, INC.

NOTE:

1) All locations and dimensions are approximate.
2) Base map from USGS 7.5 minute South Gate (1978, photorevised 1981), California topographic quadrangle.
3) Groundwater well data from Fugro West, Inc., project no. 94-48-1320.

SITE LOCATION MAP

Date: JULY 2011 Figure: 1



FORMER MONDO CHROME FACILITY
4933 FIRESTONE BOULEVARD
SOUTH GATE, CALIFORNIA

Client TEDESCO Project No.: 172-01

FREY ENVIRONMENTAL, INC.

SITE VICINITY SKETCH

Date: JULY 2011 Figure 2

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
(61.36)	With groundwater elevation in feet MSL, on June 20, 2011
61.40	CONTOUR OF EQUAL GROUNDWATER ELEVATION in feet MSL, on June 20, 2011
→	ESTIMATED GROUNDWATER FLOW DIRECTION

100'

MASON STREET

(60.91) MW1

PROCESSING ROOM

Area A, Area C, Area B, Area D, Area E, Area F

B11, HB6, HB5, HB10, B1, B9, B10, VEW1, HB4, FB5/VP1, B8, HB7, Soil, HB8, HB9, FB4/VP2, HB3, B7, B2, B6, HB2, B12, HB1, B5, HB11, B4, B3

Former clarifier, Former trench, Parking area, Exposed soil (typ.), Rest-room, Storage area, Office, Counter

61.00, 61.10, 61.20, 61.30, 61.40, 61.50

SHOP, VACANT, PARTY GIFTS, BUFFING AREA (Former Mondo Chrome), SHOP, BUSINESS CARDS, SHOP, FORKLIFT TIRES

(61.57) MW2

Parking lane

(61.36) MW3

FIRESTONE BOULEVARD

Parking lane

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

Project No.: 172-01

FREY ENVIRONMENTAL, INC.

SITE SKETCH SHOWING GROUNDWATER ELEVATIONS AND ESTIMATED GROUNDWATER FLOW DIRECTION ON JUNE 20, 2011

Date: JULY 2011

Figure 3

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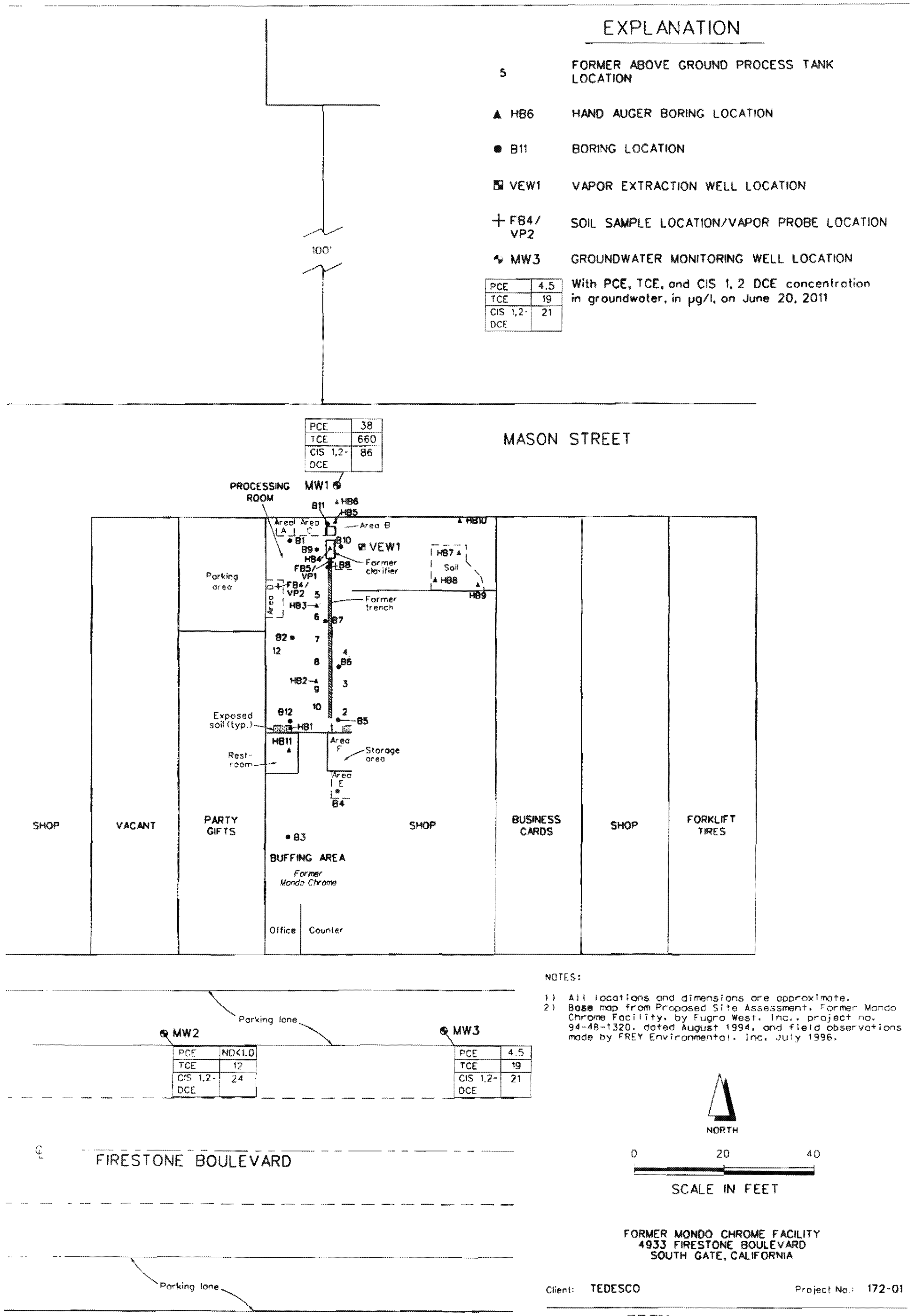

NOTES:

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 Project No.: 172-01

FREY ENVIRONMENTAL, INC.

SITE SKETCH
WITH CONCENTRATIONS OF VOCS
IN GROUNDWATER, ON JUNE 20, 2011

Date: JULY 2011 Figure 4

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APPENDIX A

FIELD PROCEDURES

FIELD PROCEDURES
WELL PURGING AND GROUND WATER SAMPLING

- Prior to purging groundwater monitoring wells, the well head condition is inspected for evidence of tampering or damage.

- Prior to purging the wells, the water level in the well is recorded using a conductance probe. In addition, a clear bailer sample is taken and visually inspected for turbidity and the presence of free product.

- Groundwater monitoring wells are generally purged of the water content of three well casing volumes. The following techniques can be employed for well purging:
  - A bailer:
    A bailer with diameter slightly less than the casing internal diameter, is lowered into the well. After the bailer has been completely immersed in the groundwater, it is retracted. The process is repeated until purging of the well is accomplished.
  - A stainless steel submersible pump:
    A stainless steel submersible pump is lowered into the well. Pumping episodes are repeated until complete purging of the well is accomplished. The pump is then removed from the well.

- The wells are generally allowed to recover to 80% of their original volume, or for a maximum period of 3 hours.

- Any free product is purged from the monitoring wells prior to undertaking sampling procedures.

- The groundwater samples are collected using a stainless steel bailer or disposable Teflon bailer held by dedicated nylon line.

- The water level and depth to the bottom of the well are measured using a conductance probe and a fiber measuring tape.

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

- Samples are collected from each monitoring well and placed into EPA approved, zero head space, 40 mL vials, 500 mL containers, and/or other EPA approved bottles as appropriate.

- Each sample is labeled.

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

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

- Any additional samples may be used for field analysis; pH, temperature, conductivity, and total dissolved solids.

APPENDIX B

WATER SAMPLING DATA FORMS

GROUNDWATER SAMPLING DATA

Page ____ of ____

SITE NAME Mardo Chrome TASK NUMBER 16 DATE MONITORED 6 20 11 DATE SAMPLED 6-20-11

JOB NO. 172-01 QUARTER 2 SAMPLING PERSONNEL Chris M

WELL NUMBER	Well Diameter (ID)	Reference Point	Product Depth
MW-1	2"	TOC	
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**	**Product Thickness**
48.49	54.33	5.84	

WELLBOX INSPECTION	BOLTS NEEDED Y / N / #	WELLBOX INTACT Y / N	SLAB INTACT Y / N	WELL CAP INTACT Y / N	COMMENTS

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	Dissolved Oxygen (mg/l)	COMMENTS
7:25								Start Pump
7:26	01	1	7.20	68.3	1749	875		Brown
7:27	02	1.5	7.28	69.6	1818	909		" "
7:30	6	3	7.30	70.1	1809	905		" "/Stop Pump
7:59			7.27	70.1	1841	920		Sample

TOTAL GALLONS PURGED 3

SAMPLE DEPTH (FT)	PURGE METHOD	PURGE PUMPING RATE (GPM)
49.74	2" pump	1

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	Hanna
Turbidity Meter	
Pump (Dia./Type)	2" pneumatic pump
Water Level Meter	Solinst
Bailer (Dia.x length)	1.5" x 36" steel

SAMPLE NUMBER	# BOTTLES
MW-1	3

WELL VOLUME CALCULATIONS:

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

4-INCH WELL: (5.84 Ft) x (0.65) = _____ Gallons

x3 (3 Well Volumes) = _____ Gallons

2-INCH WELL: (5.84 Ft) x (0.16) = 0.93 Gallons

x3 (3 Well Volumes) = 2.80 Gallons

GROUNDWATER SAMPLING DATA

Page ____ of ____

SITE NAME Mondo Chrome TASK NUMBER 161 DATE MONITORED 6-20-11 DATE SAMPLED 6-20-11

JOB NO. 179-01 QUARTER 2 SAMPLING PERSONNEL Chris M

WELL NUMBER	Well Diameter (ID)	Reference Point	Product Depth
MW-2	2"	TOC	
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**	**Product Thickness**
47.88	53.61	5.73	

WELLBOX INSPECTION	BOLTS NEEDED Y / N / #	WELLBOX INTACT Y / N	SLAB INTACT Y / N	WELL CAP INTACT Y / N	COMMENTS:

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	Dissolved Oxygen (mg/l)	COMMENTS
9:31								Start Pump
9:32	01	1	7.54	78.0	2681	1337		Brown
9:35	04	1.5	7.23	77.4	1698	849		" / Low Flow
9:42	11	3	7.16	76.6	1715	857		" / Stop Pump
10:11			7.25	73.9	1635	817		Sample

TOTAL GALLONS PURGED 3

SAMPLE DEPTH (FT)	PURGE METHOD	PURGE PUMPING RATE (GPM)
48.77	2" pump	1

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	Hanna
Turbidity Meter	
Pump (Dia./Type)	2" Iwaki pump
Water Level Meter	Solinst
Bailer (Dia.x length)	1.5" x 36" steel

SAMPLE NUMBER	# BOTTLES
MW-2	3

WELL VOLUME CALCULATIONS:

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

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

x3 (3 Well Volumes) = _____ Gallons

2-INCH WELL: (5.73 Ft) x (0.16) = 0.92 Gallons

x3 (3 Well Volumes) = 2.75 Gallons

FREY ENVIRONMENTAL, INC

GROUNDWATER SAMPLING DATA

Page ____ of ____

SITE NAME Mondo Chrome TASK NUMBER 16.1 DATE MONITORED 6-20 11 DATE SAMPLED 6-20 11

JOB NO. 172.01 QUARTER 2 SAMPLING PERSONNEL Chris M

WELL NUMBER	Well Diameter (ID)	Reference Point	Product Depth
MW-3	2"	TOC	
WATER DEPTH (ft)	**WELL DEPTH**	**Feet of H20 in Well**	**Product Thickness**
48.25	54.26	6.01	

WELLBOX INSPECTION	BOLTS NEEDED Y / N / #	WELLBOX INTACT Y / N	SLAB INTACT Y / N	WELL CAP INTACT Y / N	COMMENTS:

TIME	ELAPSED TIME	GALLONS PURGED	ph	Temp (deg. F)	Cond. (µS/cm)	TDS (ppm)	Dissolved Oxygen (mg/l)	COMMENTS
9:04								Start Pump
9:05	01	1	7.87	72.8	3056	1527		Brown
9:07	03	1.5	7.19	72.5	3069	1534		" / Low Flow
9:17	013	2.5	7.18	73.7	3054	1526		Brown / Low Flow
9:22	18	3						Stop Pump
9:55			7.02	74.3	2748	1374		
TOTAL GALLONS PURGED		3						

SAMPLE DEPTH (FT)	PURGE METHOD	PURGE PUMPING RATE (GPM)
49.84	2" pump	1

FIELD EQUIPMENT	MODEL NAME/ DESCRIPTION
pH Meter/EC Meter	Hanna
Turbidity Meter	
Pump (Dia./Type)	2" pneumatic pump
Water Level Meter	Solinst
Bailer (Dia.x length)	1.5" x 36" steel

SAMPLE NUMBER	# BOTTLES
MW3	3

WELL VOLUME CALCULATIONS:

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

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

x3 (3 Well Volumes) = ____ Gallons

2-INCH WELL: (6.01 Ft) x (0.16) = 0.96 Gallons

x3 (3 Well Volumes) = 2.88 Gallons

FREY ENVIRONMENTAL, INC

APPENDIX C

LABORATORY RESULTS

BASELINE ON-SITE ANALYSIS™

Baseline On-Site Analysis
P. O. Box 2243
Huntington Beach, CA 92647

Toll Free: 888.753.7553
FAX: 714.840.1584

Laboratory Report

Client: FREY Environmental, Inc.
Client Address: 2817-A Lafayette Avenue
Newport Beach, California 92663

Report Date: 6/24/11
Lab Project Number: 11375
Client Project Number: 172-02

Project Name: Former Mondo Chrome
Project Address: ---

Contact: Evan Privett

Dates Sampled: 6/20/11
Dates Received: 6/20/11
Dates Analyzed: 6/24/11
Sample Matrix: Water

Analyses Requested:

1. **EPA 8260B – Volatile Organic Compounds with Fuel Oxygenates**

Baseline received samples collected from the project shown above. A Chain-of-Custody Record (COC) is attached.

The samples were analyzed for the parameters shown above per the COC. In this report, *Baseline* presents the results and a QA/QC summary for this analysis.

Brian K. Kato

Approved

Brian K. Kato, Laboratory Manager

BASELINE ON-SITE ANALYSIS™

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Laboratory Report

Client: FREY Environmental, Inc.
Client Address: 2817-A Lafayette Avenue
Newport Beach, California 92663

Project Name: Former Mondo Chrome
Project Address: ---

Contact: Evan Privett

Report Date: 6/24/11
Lab Project Number: 11375
Client Project Number: 172-02

Dates Sampled: 6/20/11
Dates Received: 6/20/11
Dates Analyzed: 6/24/11
Sample Matrix: Water

Volatile Organic Compounds (EPA 8260B) - Part I

EPA Method:	8260B	8260B	8260B		8260B
Units:	µg/L	µg/L	µg/L		µg/L
Dilution Factor:	1	1	1		1
Sample ID:	**MW-1**	**MW-2**	**MW-3**		**Method Blank**
Compound Name					
Volatile Aromatics (BTEX)					
Benzene	ND<0.50	ND<0.50	ND<0.50		ND<0.50
Toluene	ND<0.50	ND<0.50	ND<0.50		ND<0.50
Ethylbenzene	ND<0.50	ND<0.50	ND<0.50		ND<0.50
Total Xylenes	ND<0.50	ND<0.50	ND<0.50		ND<0.50
Fuel Oxygenates					
Methyl t-Butyl Ether (MTBE)	ND<0.50	ND<0.50	ND<0.50		ND<0.50
t-Butanol (TBA)	ND<10	ND<10	ND<10		ND<10
Di-Isopropyl Ether (DIPE)	ND<2.0	ND<2.0	ND<2.0		ND<2.0
Ethyl t-Butyl Ether (ETBE)	ND<2.0	ND<2.0	ND<2.0		ND<2.0
t-Amyl Methyl Ether (TAME)	ND<2.0	ND<2.0	ND<2.0		ND<2.0
Ethanol	ND<50	ND<50	ND<50		ND<50
Non-Halogenated VOC's					
n-Butylbenzene	ND<1.0	ND<1.0	ND<1.0		ND<1.0
sec-Butylbenzene	ND<1.0	ND<1.0	ND<1.0		ND<1.0
tert-Butylbenzene	ND<1.0	ND<1.0	ND<1.0		ND<1.0
Isopropylbenzene	ND<1.0	ND<1.0	ND<1.0		ND<1.0
p-isopropyltoluene	ND<1.0	ND<1.0	ND<1.0		ND<1.0
Naphthalene	ND<1.0	ND<1.0	ND<1.0		ND<1.0
n-Propylbenzene	ND<1.0	ND<1.0	ND<1.0		ND<1.0
Styrene	ND<1.0	ND<1.0	ND<1.0		ND<1.0
1,2,4-Trimethylbenzene	ND<1.0	ND<1.0	ND<1.0		ND<1.0
1,3,5-Trimethylbenzene	ND<1.0	ND<1.0	ND<1.0		ND<1.0
Halogenated VOC's (HVOC's)					
Bromobenzene	ND<1.0	ND<1.0	ND<1.0		ND<1.0
Bromochloromethane	ND<1.0	ND<1.0	ND<1.0		ND<1.0
Bromoform	ND<1.0	ND<1.0	ND<1.0		ND<1.0
Bromomethane	ND<1.0	ND<1.0	ND<1.0		ND<1.0
Carbon Tetrachloride	ND<1.0	ND<1.0	ND<1.0		ND<1.0
2-Chlorotoluene	ND<1.0	ND<1.0	ND<1.0		ND<1.0
4-Chlorotoluene	ND<1.0	ND<1.0	ND<1.0		ND<1.0
Chlorobenzene	ND<1.0	ND<1.0	ND<1.0		ND<1.0
Chloroethane	ND<1.0	ND<1.0	ND<1.0		ND<1.0
Chloroform	ND<1.0	ND<1.0	ND<1.0		ND<1.0

ND: Not detected at the indicated reporting limit; MB: Method Blank

BASELINE ON-SITE ANALYSIS

Baseline On-Site Analysis
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Toll Free: 888.753.7553
FAX: 714.840.1584

Laboratory Report

Client: FREY Environmental, Inc.
Client Address: 2817-A Lafayette Avenue
Newport Beach, California 92663

Report Date: 6/24/11
Lab Project Number: 11375
Client Project Number: 172-02

Project Name: Former Mondo Chrome
Project Address: ---

Contact: Evan Privett

Dates Sampled: 6/20/11
Dates Received: 6/20/11
Dates Analyzed: 6/24/11
Sample Matrix: Water

Volatile Organic Compounds (EPA 8260B) - Part II

EPA Method:	8260B	8260B	8260B		8260B
Units:	µg/L	µg/L	µg/L		µg/L
Dilution Factor:	1	1	1		1
Sample ID:	**MW-1**	**MW-2**	**MW-3**		**Method Blank**
Compound Name					
HVOC's, continued					
Chloromethane	ND<1.0	ND<1.0	ND<1.0		ND<1.0
Dibromochloromethane	ND<1.0	ND<1.0	ND<1.0		ND<1.0
1,2-Dibromo-3-Chloropropane	ND<1.0	ND<1.0	ND<1.0		ND<1.0
1,2-Dibromoethane	ND<1.0	ND<1.0	ND<1.0		ND<1.0
1,2-Dichlorobenzene	ND<1.0	ND<1.0	ND<1.0		ND<1.0
1,3-Dichlorobenzene	ND<1.0	ND<1.0	ND<1.0		ND<1.0
1,4-Dichlorobenzene	ND<1.0	ND<1.0	ND<1.0		ND<1.0
Dichlorodifluoromethane	ND<1.0	ND<1.0	ND<1.0		ND<1.0
1,1-Dichloroethane	ND<1.0	ND<1.0	ND<1.0		ND<1.0
1,2-Dichloroethane	ND<1.0	ND<1.0	ND<1.0		ND<1.0
1,1-Dichloroethene	ND<1.0	ND<1.0	ND<1.0		ND<1.0
cis-1,2-Dichloroethene	86	24	21		ND<1.0
trans-1,2-Dichloroethene	4.6	ND<1.0	ND<1.0		ND<1.0
1,2-Dichloropropane	ND<1.0	ND<1.0	ND<1.0		ND<1.0
1,3-Dichloropropane	ND<1.0	ND<1.0	ND<1.0		ND<1.0
2,2-Dichloropropane	ND<1.0	ND<1.0	ND<1.0		ND<1.0
1,1-Dichloropropene	ND<1.0	ND<1.0	ND<1.0		ND<1.0
Hexachlorobutadiene	ND<1.0	ND<1.0	ND<1.0		ND<1.0
Methylene Chloride	ND<1.0	ND<1.0	ND<1.0		ND<1.0
Tetrachloroethene	38	ND<1.0	4.5		ND<1.0
1,1,1,2-Tetrachloroethane	ND<1.0	ND<1.0	ND<1.0		ND<1.0
1,1,2,2-Tetrachloroethane	ND<1.0	ND<1.0	ND<1.0		ND<1.0
1,2,3-Trichlorobenzene	ND<1.0	ND<1.0	ND<1.0		ND<1.0
1,2,4-Trichlorobenzene	ND<1.0	ND<1.0	ND<1.0		ND<1.0
1,1,1-Trichloroethane	ND<1.0	ND<1.0	ND<1.0		ND<1.0
1,1,2-Trichloroethane	ND<1.0	ND<1.0	ND<1.0		ND<1.0
Trichloroethene	660	12	19		ND<1.0
Trichlorofluoromethane	ND<1.0	ND<1.0	ND<1.0		ND<1.0
1,2,3-Trichloropropane	ND<1.0	ND<1.0	ND<1.0		ND<1.0
Vinyl Chloride	ND<1.0	ND<1.0	ND<1.0		ND<1.0

ND: Not detected at the indicated reporting limit; MB: Method Blank

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Huntington Beach, CA 92647

Toll Free: 888.753.7553
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Laboratory Report

Client: FREY Environmental, Inc.
Client Address: 2817-A Lafayette Avenue
Newport Beach, California 92663

Report Date: 6/24/11
Lab Project Number: 11375
Client Project Number: 172-02

Project Name: Former Mondo Chrome
Project Address: ---

Contact: Evan Privett

Dates Sampled: 6/20/11
Dates Received: 6/20/11
Dates Analyzed: 6/24/11
Sample Matrix: Water

Quality Control Summary

Analytes	MS Recovery (%)	MSD Recovery (%)	RPD (%)	QC Sample
8260B				
1,1-Dichloroethene	98	94	4	LCS/LCSD
Benzene	94	90	4	LCS/LCSD
Trichloroethene	94	98	4	LCS/LCSD
Toluene	97	95	2	LCS/LCSD
Chlorobenzene	90	91	1	LCS/LCSD
MTBE	93	89	4	LCS/LCSD
Acceptable QC Limits:	(65-135)	(65-135)	(0-30)	

MS: Matrix Spike; MSD: Matrix Spike Duplicate; RPD: Relative Percent Difference
LCS/LCSD: Lab Control Sample/Duplicate

FREY Environmental, Inc.	Project Name: FULMER MUNDO CHROME
2817-A Lafayette Avenue	Project Address: —
Newport Beach, California 92663	—
Phone:949.723.1645; FAX:949.723.1854	Project Number: 172-01
Contact: EVAN PRIVETT	

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Laboratory Project #: 11375

Sample ID	Sample Location	Sampling Date	Sampling Time	Lab ID	Soil (S), Water (W), Vapor (V)	Number of Containers	Requested Analyses: VOC's (8260B)				Comments
MW-1		6-20-11	7:59		W	3	X				
MW-2		↓	10:11		↓	↓	X				
MW-3		↓	9:55		↓	↓	X				

1. Relinquished by
signature: X [signature]
Date/Time: 6-20-11

2. Received by
signature: X [signature]
Date/Time: 6/20/11 ; 1900

3. Relinquished by
signature: X
Date/Time:

4. Received by
signature: X
Date/Time:

Turnaround Time:

Special Instructions/Notes:
GID # SL2043G1564

Sample Condition: Sealed? Y / N
Chilled? Y / N

BASELINE ON-SITE ANALYSIS™
P. O. Box 2243
Huntington Beach, California 92647
Telephone: (888) 753-7553
FAX: (714) 840-1584

APPENDIX D

GROUNDWATER DISPOSAL MANIFEST

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	MN 102	1	(310) 324-8105	172-01 92 EP

GENERATOR

5. Generator's Name and Mailing Address: The Ley Companies c/o Tedesco Leasing 925 17th St Bldg. 10 #22 (310) 323-1045

Generator's Site Address (if different than mailing address): Former Hard Chrome 4993 Firestone Blvd. South Gate, CA 90280

Generator's Phone:

6. Transporter 1 Company Name: Able Environmental — U.S. EPA ID Number: CAR000199349

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cristy & Duncan 1610 W. 17th St Long Beach, CA 90813 (562) 432-5445 — U.S. EPA ID Number: CAD 025400019

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non Haz Liquid Waste	1	DT	15	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

profile # 12485

Use Protective clothing

14. **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.

Generator's/Offeror's Printed/Typed Name: Jim Mell — Signature: [signature] — Month 7 Day 11 Year 11

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Eddie Paxton — Signature: Eddie Paxton — Month 7 Day 11 Year 11

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month — Day — Year