

contained in Appendix B.

Table 1 SUMMARY OF SOIL ANALYTICAL RESULTS 6/19 + 6/22/92									
Sample ID	Sample Depth	Concentration (ppm)							
		TPH-G	TPH-D	TPH-MO	B	T	X	E	TOG
<u>Soil Samples</u>									
IB-1	5.0 ft	ND ¹	ND	ND	ND	ND	ND	ND	ND
	10.5 ft	ND	ND	ND	ND	ND	ND	ND	ND
IB-2	5.0 ft	ND	ND	ND	ND	ND	ND	ND	ND
	10.5 ft	ND	ND	ND	ND	ND	ND	ND	ND
IB-3	5.0 ft	ND	ND	ND	ND	ND	ND	ND	ND
	10.5 ft	ND	ND	ND	ND	ND	ND	ND	ND
IB-4	5.0 ft	ND	ND	ND	ND	ND	ND	ND	ND
	10.5 ft	ND	ND	ND	ND	ND	ND	ND	ND
	15.0 ft	2.5	-- ²	--	ND	0.016	0.10	0.030	--
IB-5	5.0 ft	ND	ND	ND	ND	ND	ND	ND	ND
	10.5 ft	ND	ND	ND	ND	ND	ND	ND	ND
Detection Limit		0.50	10	10	0.0050	0.0050	0.0050	0.0050	50

¹ - Not detected.

² - Not analyzed.

Results of the Investigation

Based on the laboratory results and on field observations, we conclude the following:

1. Results from the shallow borings (IB-1, IB-2, IB-3, and IB-5) indicate that soils beneath the Scott Company facility at 1919 Market Street have not been impacted petroleum hydrocarbons. Thus, the former use of the site as a Greyhound bus maintenance facility (as reported by several longtime Scott employees) does not appear to have impacted shallow soils at the site.

Table 2
SUMMARY OF SOIL ANALYTICAL RESULTS
1919 Market Street Remedial Investigation

Sample ID	Sample Depth	Concentration (ppm)							
		TPH-gas	TPH-diesel	TPH-motor oil	Benzene	Toluene	Xylenes	Ethylbenzene	PID
MW-1	5.0 ft	40 ¹	140	ND(10) ²	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	35 ³
	10.5 ft	430 ¹	1100	61	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	120
	13.0 ft	ND(0.5)	ND(10)	ND(10)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	8
MW-2	5.5 ft	120 ¹	180	ND(10)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	22
	10.5 ft	310 ¹	1200	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	210
	15.5 ft	ND(0.5)	ND(10)	ND(10)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	5
MW-3	5.5 ft	ND(0.5)	ND(10)	ND(10)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	3
	10.5 ft	ND(0.5)	ND(10)	ND(10)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	3
	15.5 ft	ND(0.5)	ND(10)	ND(10)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	1
MW-4	8.0 ft	ND(0.5)	ND(10)	ND(10)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0
	12.5 ft	ND(0.5)	ND(10)	ND(10)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0
MW-5	8.0 ft	ND(0.5)	ND(10)	ND(10)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0
	14.5 ft	ND(0.5)	ND(10)	ND(10)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0
Detection Limit		0.50	10	10	0.0050	0.0050	0.0050	0.0050	--

¹ - The WEST laboratory report states that "the product is not typical gasoline."

² - Not detected above the levels indicated in the parentheses.

³ - The photoionization detector (PID) was calibrated using a 100-ppm isobutylene standard. PID values are qualitative only and should be used only for comparison.

11/25/92

MYRTLE STREET

IB-3

IB-2

IB-1

IB-4

MW-3

MW-2

MW-1

SIDEWALK

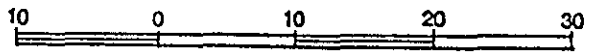
ESTIMATED LOCATION OF REMOVED USTs

DISPENSER (REMOVED)

MW-4

MW-5

SCOTT COMPANY BUILDING



APPROX. SCALE (FT.)




DESIGNED BY:	CHECKED BY:	FIGURE 4 SITE PLAN	DATE:	FIGURE:
DRAWN BY:	SCALE:		CENTURY WEST  ENGINEERING	
DWG. NO.:		CWEC 20511-006-02		

Table 3
SUMMARY OF SOIL ANALYTICAL RESULTS
 Soil Boring Investigation - 11/25/92
 1919 Market Street UST Site

Sample ID	Sample Depth	Concentration (ppm)							
		TPH-gas	TPH-diesel	TPH-motor oil	Benzene	Toluene	Xylenes	Ethylbenzene	PID
IB-1	6.0 ft	2.8 ¹	ND(10) ²	ND(10)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0 ³
	6.0 ft ⁴	--	14	ND(10)	--	--	--	--	12
	11.0 ft	87 ¹	300	ND(20) ⁵	ND(0.005)	ND(0.005)	0.030	ND(0.005)	--
IB-2	6.0 ft	ND(0.50)	ND(10)	ND(10)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0
	11.0 ft	23 ¹	ND(10)	ND(10)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	28
	11.0 ft ⁴	--	12	ND(10)	--	--	--	--	--
IB-3	6.0 ft	ND(0.5)	ND(10)	13	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0
	11.0 ft	ND(0.5)	ND(10)	ND(10)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	5
IB-4	6.0 ft	ND(0.5)	ND(10)	ND(10)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0
	11.5 ft	13 ¹	170	27	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	16

¹ - The WEST laboratory report states: "Product is not typical gasoline."

² - Not detected above the levels indicated in the parentheses.

³ - The photoionization detector (PID) was calibrated using a 100-ppm isobutylene standard. PID values are qualitative only and should be used only for comparison.

⁴ - Duplicate analysis for TPH-diesel/motor oil.

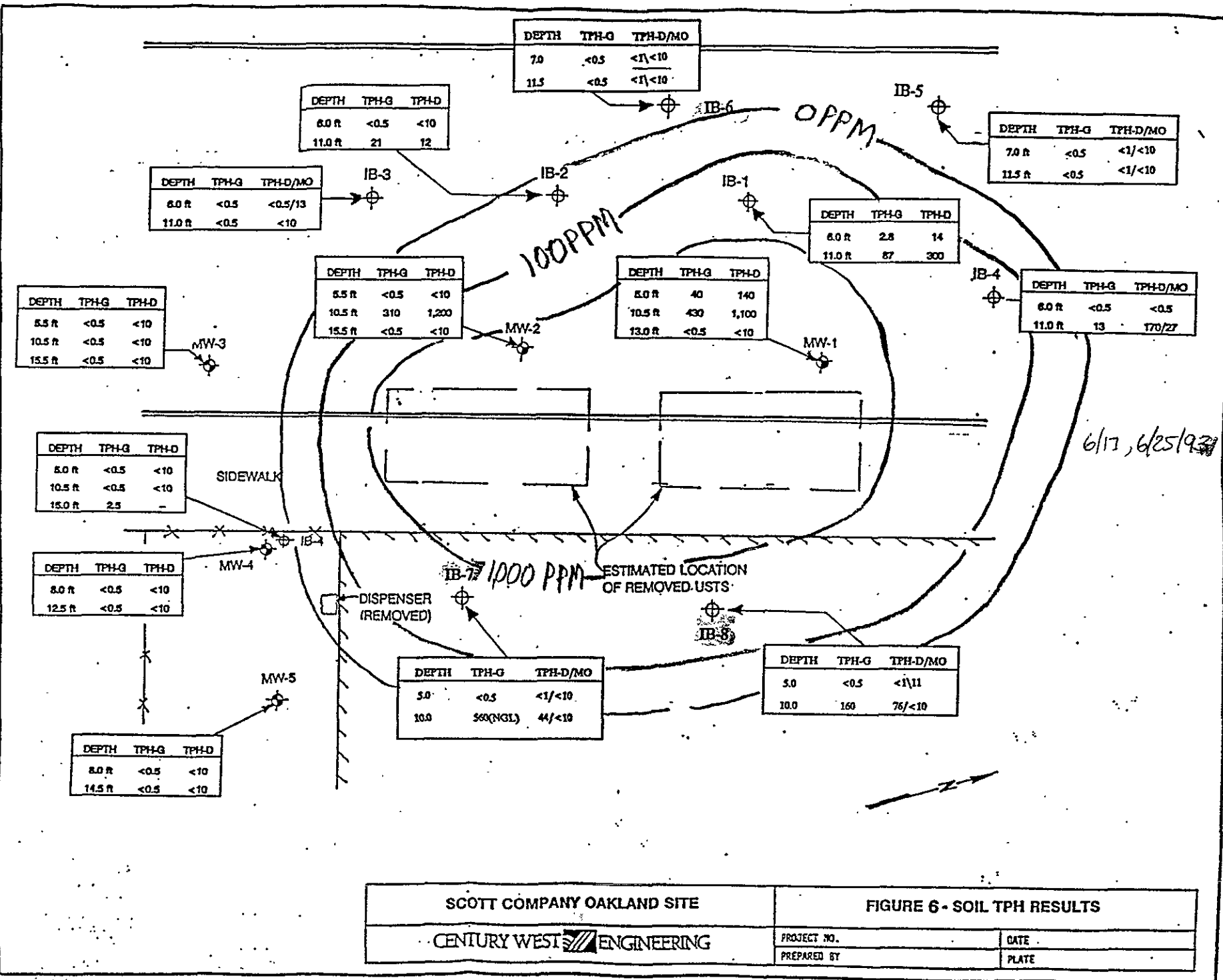
⁵ - WEST laboratory report states: "Increased reporting limit due to diesel interference."

Table #4
SUMMARY OF SOIL ANALYTICAL RESULTS
 Soil Boring Investigation - 11/25/92
 1919 Market Street UST Site

Sample ID	Sample Depth	Concentration (ppm)						
		TPH-gas	TPH-diesel	TPH-motor oil	Benzene	Toluene	Xylenes	Ethylbenzene
IB-5	7.0 ft	ND(1) ¹	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
	11.5 ft	ND(1)	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
IB-6	7.0 ft	ND(1)	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
	11.5 ft	ND(1)	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
IB-7	5.0 ft	ND(1)	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
	10.0 ft	560 ²	44	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
IB-8	5.0 ft	ND(1)	ND(1)	11	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)
	10.0 ft	160	76	ND(10)	ND(.0025)	ND(.0025)	1,100	ND(.0025)

¹ - Not detected above the levels indicated in the parentheses.

² - NET Pacific laboratory report indicates, "not gas like".



SCOTT COMPANY OAKLAND SITE		FIGURE 6 - SOIL TPH RESULTS	
CENTURY WEST ENGINEERING		PROJECT NO.	DATE
		PREPARED BY	PLATE

Hydrocarbon Impacts to Groundwater

Current and previous groundwater laboratory analytical results are summarized in Table 2. These results clearly indicate only minor gasoline impact to groundwater in MW-4, with no significant impacts in downgradient wells MW-1, MW-2, and MW-3. Furthermore, concentrations of gasoline constituents in MW-4 in May 1998 were lower than during previous monitorings, indicating that the addition of ORC in MW-4 and MW-5 in 1996 and 1997 was effective in promoting biodegradation of residual gasoline constituents.

Table 5
 SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
 1919 Market Street UST Site

Sample ID	Sample Date	GW Depth (ft)	Concentration (ppm)						
			TPH-C	TPH-D	TPH-MO	B	T	X	E
MW-1	08/07/92	4.06	<0.050 ²	<0.050	<0.050	<0.0005	<0.0005	<0.0005	<0.0005
<16.34>	12/03/92	3.89	<0.050	<0.050	<0.050	<0.0005	0.014	0.0025	0.0018
	06/15/93	5.06	<0.050	<0.050	<0.5	<0.0005	<0.0005	<0.0005	<0.0005
	01/28/94	5.05	<0.050	<0.050	<0.5	<0.0005	<0.0005	<0.0005	<0.0005
	01/10/95	7.84	<0.050	0.06	<0.5	<0.0005	<0.0005	<0.0005	<0.0005
	06/12/97	4.93	--	--	--	--	--	--	--
	10/22/97	4.52	--	--	--	--	--	--	--
	05/07/98	5.96	--	--	--	--	--	--	--
MW-2	08/07/92	4.11	<0.050	<0.050	<0.050	<0.0005	<0.0005	<0.0005	<0.0005
<16.78>	12/03/92	3.90	<0.050	<0.050	<0.050	<0.0005	0.014	0.0025	0.0019
	06/15/93	5.08	<0.050	<0.050	<0.5	<0.0005	<0.0005	<0.0005	<0.0005
	01/13/94	-- ³	<0.050	0.14	<0.5	<0.0005	<0.0005	<0.0005	<0.0005
	01/10/95	7.69	<0.050	0.06	<0.5	<0.0005	<0.0005	<0.0005	<0.0005
	06/12/97	5.20	<0.050	<0.050	--	<0.0005	<0.0005	<0.0005	<0.0005
	10/22/97	4.53	<0.050	<0.050	--	<0.0005	<0.0005	<0.0005	<0.0005
	05/07/98	6.47	--	--	--	--	--	--	--
MW-3	08/07/92	4.11	<0.050	<0.050	<0.050	<0.0005	<0.0005	<0.0005	<0.0005
<17.04>	12/03/92	3.93	<0.050	<0.050	<0.050	<0.0005	0.016	0.0035	0.0024
	06/15/93	5.09	<0.050	<0.050	<0.5	<0.0005	<0.0005	<0.0005	<0.0005
	01/28/94	5.01	<0.050	<0.050	<0.5	<0.0005	<0.0005	<0.0005	<0.0005
	01/10/95	7.66	<0.050	<0.050	<0.5	<0.0005	<0.0005	<0.0005	<0.0005
	06/12/97	4.96	--	--	--	--	--	--	--
	10/22/97	4.53	--	--	--	--	--	--	--
	05/07/98	7.11	--	--	--	--	--	--	--

Table 5
 SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
 1919 Market Street UST Site

Sample ID	Sample Date	GW Elevation	Concentration (ppm)						
			TPH-C	TPH-D	TPH-MO	B	T	X	D
MW-4	08/07/92	4.14	2.8	<0.050	<0.050	0.020	0.150	0.340	0.0075
<18.20>	12/03/92	3.96	0.22	<0.050	<0.050	0.013	0.036	0.031	0.0082
	06/11/93	(4.96)	-- ⁷	--	--	--	--	--	--
	01/13/94	(4.96)	-- ⁸	--	--	--	--	--	--
	01/10/95	7.69	3.0	0.75 ⁹	<0.5	0.025	0.052	0.230	0.043
	06/12/97	(4.97) ¹⁰	5.4	0.39 ¹¹	--	0.0052	0.0052	0.130	0.030
	10/22/97	4.57	7.7	<0.30 ¹²	--	0.017	0.018	0.300	0.110
	05/07/98	6.51	1.7	<0.30	--	0.0088	<0.0005	0.022	0.0099
MW-5	08/07/92	4.17	<0.050	<0.050	<0.050	<0.0005	<0.0005	<0.0005	<0.0005
<18.93>	12/03/92	3.95	0.072	<0.050	<0.050	<0.0005	0.0033	0.0042	0.0035
	06/11/93	5.14	<0.050	0.10 ¹³	<0.5	<0.0005	<0.0005	<0.0005	<0.0005
	01/28/94	5.04	<0.050	<0.050	<0.5	<0.0005	<0.0005	<0.0005	<0.0005
	01/10/95	7.69	<0.050	<0.050	<0.5	<0.0005	<0.0005	<0.0005	<0.0005
	06/12/97	(4.95) ¹⁰	--	--	--	--	--	--	--
	10/22/97	4.58	--	--	--	--	--	--	--
	05/07/98	6.57	--	--	--	--	--	--	--

- 1 - Groundwater table mean sea level elevation, as measured from top of casing (top of casing surveyed mean sea level elevations for each well are shown in brackets below each well number).
- 2 - Not detected above the expressed value.
- 3 - Low levels of toluene, xylenes, and ethylbenzene in 12/03/92 samples are due to sampling equipment contamination.
- 4 - Laboratory report states: "The positive result appears to be a heavier hydrocarbon than Diesel."
- 5 - Access to monitoring well temporarily blocked by unoccupied vehicle.
- 6 - Laboratory report states; "The positive result has an atypical pattern for Diesel analysis."
- 7 - Well not sampled due to presence of approximately 1/2-inch of free product was observed in well.
- 8 - Well not sampled due to presence of approximately 1/4-inch of free product was observed in well.
- 9 - Laboratory report states: "The positive result appears to be a lighter hydrocarbon than Diesel."
- 10 - ORC removed from well one week previously may affect water levels.
- 11 - Laboratory report states: "Not typical diesel."
- 12 - Laboratory report states: "Increased reporting limit due to gasoline range interference."
- 13 - Laboratory report states; "The positive result for the PETROLEUM HYDROCARBONS as Diesel analysis on this sample does not appear to have typical Diesel pattern."

In addition, recent laboratory analytical results for wells MW-2 and MW-4 have shown no detectable levels of MTBE.

SOIL BORING LOG MW-1

Century West Engineering

Site Location: 1919 Market St., Oakland, Ca.	Boring ID: MW-1	Total Depth: 22 ft
Boring Location: Myrtle St. downgradient from E UST.	Elevation: 16.34 (TOC)	Initial GW Depth: 13 ft
Purpose: Ground water monitoring	Logged By: Jim Gribi	Final GW Depth:
Date: July 30, 1992	Blank Casing: 4-Inch Sch 40	From: 0 (TOC) To: 7.25 ft
Consulting Firm: Century West Engineering	Perforations: 0.020 Inch	From: 7.25 ft To: 21.68 ft
Project Number: 20511-006-02	Filter Sand: Lonestar	From: 22 ft To: 6 ft
Drilling Contractor: Kvilhaug Well Drilling	Bentonite: Hydrated pellets	From: 6 ft To: 5 ft
Drilling Method: Hollow stem auger	Grout: Cement slurry (bent. <5%)	From: 5 ft To: 0.5 ft

Depth	Sample ID	Blow Counts	Profile	Soil Description	Remarks	
<u>01</u>			▽	0.0 - 1.0 ft Asphalt and base rock.	PID Reading	
<u>02</u>				1.0 - 3.0 ft Grey clayey SILT, hard, moist, no hydrocarbon odor or stain.		
<u>03</u>						
<u>04</u>						
<u>05</u>						
<u>06</u>	MW-1.1	7			3.0 - 8.0 ft Grey green clayey SILT, sandy, hard, slightly friable, moist, moderate hydrocarbon odor.	35
<u>07</u>		9				
<u>08</u>		13			8.0 - 11.0 ft Greenish grey silty CLAY, firm, hard, moist, faint to moderate hydrocarbon odor.	
<u>09</u>						
<u>10</u>						
<u>11</u>	MW-1.2	10			11.0 - 12.5 ft Grey green silty SAND, fine to medium, slightly clayey, moist to wet, faint hydrocarbon odor.	120
<u>12</u>		18				
<u>13</u>	MW-1.3	10				
<u>14</u>		28				8
<u>15</u>		38				
<u>16</u>					12.5 - 22.0 ft Reddish brown SAND, medium to fine, slightly silty, friable, water saturated, no hydrocarbon odor or stain.	
<u>17</u>						
<u>18</u>						
<u>19</u>						
<u>20</u>						
<u>21</u>						
<u>22</u>						
<u>23</u>					Final Auger Depth - 22 feet	
<u>24</u>					Ground Water Depth - 13 feet	
<u>25</u>						

SOIL BORING LOG MW-2

Century West Engineering

Site Location: 1919 Market St., Oakland, Ca.	Boring ID: MW-2	Total Depth: 22 ft
Boring Location: Myrtle St. downgradient from W UST.	Elevation: 16.78 (TOC)	Initial GW Depth: 13 ft
Purpose: Ground water monitoring	Logged By: Jim Gribi	Final GW Depth:
Date: July 30, 1992	Blank Casing: 4-Inch Sch 40	From: 0 (TOC) To: 6.98 ft
Consulting Firm: Century West Engineering	Perforations: 0.020 inch	From: 6.98 ft To: 21.58 ft
Project Number: 20511-006-02	Filter Sand: Lonestar	From: 22 ft To: 6 ft
Drilling Contractor: Kvilhaug Well Drilling	Bentonite: Hydrated pellets	From: 6 ft To: 5 ft
Drilling Method: Hollow stem auger	Grout: Cement slurry (bent. <5%)	From: 5 ft To: 0.5 ft

Depth	Sample ID	Blow Counts	Profile	Soil Description	Remarks
<u>01</u>				0.0 - 1.0 ft Asphalt and base rock.	PID Reading
<u>02</u>				1.0 - 3.0 ft Grey clayey SILT, firm, slightly sandy, moist, slight hydrocarbon odor.	
<u>03</u>					
<u>04</u>					
<u>05</u>					
<u>06</u>	MW-2.1	6 7 14		3.0 - 10.0 ft Grey green clayey SILT, slightly sandy, soft to firm, moist, moderate hydrocarbon odor.	22
<u>07</u>					
<u>08</u>					
<u>09</u>					
<u>10</u>					
<u>11</u>	MW-2.2	7 9 26		10.0 - 12.5 ft Grey green silty clayey SAND, fine to coarse, few pebbles, friable, wet, fair hydrocarbon odor.	210
<u>12</u>					
<u>13</u>	MW-2.3	9 14 26	▽		5
<u>14</u>					
<u>15</u>					
<u>16</u>				12.5 - 22.0 ft Reddish brown to occasionally grey SAND, medium to fine, slightly silty, water saturated, no hydrocarbon odor or stain.	
<u>17</u>					
<u>18</u>					
<u>19</u>					
<u>20</u>					
<u>21</u>					
<u>22</u>					
<u>23</u>				Final Auger Depth - 22 feet	
<u>24</u>				Ground Water Depth - 13 feet	
<u>25</u>					

SOIL BORING LOG MW-3

Century West Engineering

Site Location: 1919 Market St., Oakland, Ca.	Boring ID: MW-3	Total Depth: 22 ft
Boring Location: Myrtle St. downgrad. from USTs & disp.	Elevation: 17.04 (TOC)	Initial GW Depth: 13 ft
Purpose: Ground water monitoring	Logged By: Jim Gribl	Final GW Depth:
Date: July 30, 1992	Blank Casing: 4-inch Sch 40	From: 0 (TOC) To: 7.14 ft
Consulting Firm: Century West Engineering	Perforations: 0.020 inch	From: 7.14 ft To: 21.66 ft
Project Number: 20511-006-02	Filter Sand: Lonestar	From: 22 ft To: 6 ft
Drilling Contractor: Kvilhaug Well Drilling	Bentonite: Hydrated pellets	From: 6 ft To: 5 ft
Drilling Method: Hollow stem auger	Grout: Cement slurry (bent. <5%)	From: 5 ft To: 0.5 ft

Depth	Sample ID	Blow Counts	Profile	Soil Description	Remarks
<u>01</u>			▽	0.0 - 1.0 ft Asphalt and base rock.	PID Reading
<u>02</u>				1.0 - 3.5 ft Brown to grey clayey SILT, firm, moist, no hydrocarbon odor or stain.	
<u>03</u>					
<u>04</u>					
<u>05</u>					
<u>06</u>	MW-3.1	4 7 14		3.5 - 8.0 ft Grey green silty CLAY, firm, moist, faint hydrocarbon odor.	3
<u>07</u>					
<u>08</u>					
<u>09</u>					
<u>10</u>					
<u>11</u>	MW-3.2	3 7 11		8.0 - 12.5 ft Grey to occasionally green CLAY, slightly silty, hard, no hydrocarbon odor.	3
<u>12</u>					
<u>13</u>	MW-3.3	6 10 11			1
<u>14</u>					
<u>15</u>					
<u>16</u>				12.5 - 22.0 ft Reddish brown to tan SAND, fine to medium, silty, slightly clayey, water saturated, no hydrocarbon odor or stain.	
<u>17</u>					
<u>18</u>					
<u>19</u>					
<u>20</u>					
<u>21</u>					
<u>22</u>					
<u>23</u>				Final Auger Depth - 22 feet	
<u>24</u>				Ground Water Depth - 13 feet	
<u>25</u>					

SOIL BORING LOG MW-4

Century West Engineering

Site Location: 1919 Market St., Oakland, Ca.

Boring ID: MW-4

Total Depth: 24 ft

Boring Location: Adjacent to dispenser & IB-4.

Elevation: 18.20 (TOC)

Initial GW Depth: 14 ft

Purpose: Ground water monitoring

Logged By: Jim Gribi

Final GW Depth:

Date: July 30, 1992

Blank Casing: 4-Inch Sch 40

From: 0 (TOC) To: 9.07 ft

Consulting Firm: Century West Engineering

Perforations: 0.020 inch

From: 9.07 ft To: 24.13 ft

Project Number: 20511-006-02

Filter Sand: Lonestar

From: 24 ft To: 7 ft

Drilling Contractor: Kvilhaug Well Drilling

Bentonite: Hydrated pellets

From: 7 ft To: 6 ft

Drilling Method: Hollow stem auger

Grout: Cement slurry (bent. <5%)

From: 6 ft To: 0.5 ft

Depth	Sample ID	Blow Counts	Profile	Soil Description	Remarks
01				0.0 - 0.5 ft Asphalt and base rock.	PID Reading
02				0.5 - 3.0 ft Grey brown silty SAND, fine, moist, slightly clayey, no hydrocarbon odor or stain.	
03					
04				3.0 - 6.0 Grey clayey SILT, slightly sandy, firm, no hydrocarbon odor or stain.	
05					
06					
07					
08	MW-4.1	3			
09		4		6.0 - 12.0 ft Grey green silty CLAY, slightly sandy, moist, no hydrocarbon odor to 11 ft, slight hydrocarbon odor from 11 ft.	0
10		8			
11					
12					
13	MW-4.2	7			
14		11			0
15		16	▽		
16				12.0 - 20.0 ft Grey silty SAND, medium to fine, loose, slightly clayey, wet to saturated, moderate hydrocarbon odor from 12 to 15 ft.	
17					
18					
19					
20					
21				20.0 - 24.0 ft Tan silty SAND, fine, slightly clayey, loose, water saturated, no hydrocarbon odor or stain.	
22					
23					
24					
25				Final Auger Depth - 24 feet Ground Water Depth - 14 feet	

SOIL BORING LOG MW-5

Century West Engineering

Site Location: 1919 Market St., Oakland, Ca.	Boring ID: MW-5	Total Depth: 25 ft
Boring Location: Upgradient from dispenser & USTs.	Elevation: 18.93 (TOC)	Initial GW Depth: 14.5 ft
Purpose: Ground water monitoring	Logged By: Jim Gribi	Final GW Depth:
Date: July 30, 1992	Blank Casing: 4-Inch Sch 40	From: 0 (TOC) To: 10.17 ft
Consulting Firm: Century West Engineering	Perforations: 0.020 inch	From: 10.17 ft To: 25.23 ft
Project Number: 20511-006-02	Filter Sand: Lonestar	From: 25 ft To: 8 ft
Drilling Contractor: Kvilhaug Well Drilling	Bentonite: Hydrated pellets	From: 8 ft To: 7 ft
Drilling Method: Hollow stem auger	Grout: Cement slurry (bent. <5%)	From: 7 ft To: 0.5 ft

Depth	Sample ID	Blow Counts	Profile	Soil Description	Remarks
<u>01</u>				0.0 - 1.0 ft Asphalt and base rock.	<u>PID Reading</u>
<u>02</u>				0.5 - 4.0 ft Grey brown clayey SILT, moist, slightly sandy, no hydrocarbon odor or stain.	
<u>03</u>					
<u>04</u>					
<u>05</u>					
<u>06</u>					0
<u>07</u>					
<u>08</u>	MW-4.1	3		4.0 - 14.0 ft Grey green silty CLAY, soft, moist, no hydrocarbon odor or stain.	
<u>09</u>		4			
<u>10</u>		8			
<u>11</u>					0
<u>12</u>					
<u>13</u>	MW-4.2	7			
<u>14</u>		11	▽		
<u>15</u>		16			
<u>16</u>					
<u>17</u>					
<u>18</u>					
<u>19</u>				14.0 - 25.0 ft Grey brown silty SAND, fine to medium, loose, wet to saturated, no hydrocarbon odor or stain.	
<u>20</u>					
<u>21</u>					
<u>22</u>					
<u>23</u>					
<u>24</u>					
<u>25</u>					
				Final Auger Depth - 25 feet	
				Ground Water Depth - 14.5 feet	

SOIL BORING LOG IB-1

Century West Engineering

Site Location: 1919 Market St., Oakland, Ca.	Boring ID: IB-1	Total Depth: 11.5 ft
Boring Location: Myrtle St. downgradient from E UST.	Elevation: None	Initial GW Depth: None
Purpose: Soil Investigation	Logged By: Jim Gribl	Final GW Depth: None
Date: November 25, 1992	Blank Casing:	From: To:
Consulting Firm: Century West Engineering	Perforations:	From: To:
Project Number: 20511-006-02	Filter Sand:	From: To:
Drilling Contractor: Kvilhaug Well Drilling	Bentonite:	From: To:
Drilling Method: Hollow stem auger	Grout: Cement slurry (bent. <5%)	From: 11.5 ft To: Surf.

Depth		Sample ID	Blow Counts	Profile	Soil Description	Remarks
<u>01</u>					0.0 - 1.0 ft Asphalt and base rock.	PID Reading
<u>02</u>					1.0 - 4.0 ft Brown sandy SILT, slightly clayey, slightly moist, no hydrocarbon odor or stain.	
<u>03</u>					4.0 - 5.5 ft Buff to tan sandy SILT, soft, moist, no hydrocarbon odor or stain.	
<u>04</u>						
<u>05</u>						
<u>06</u>	T	IB-1.1	6 9 14		5.5 - 10.0 ft Grey green silty CLAY, slightly sandy, hard, moist, moderate hydrocarbon odor.	0
<u>07</u>	⊥					
<u>08</u>						
<u>09</u>						
<u>10</u>						
<u>11</u>	T	IB-1.2	6 12 16		10.0 - 11.5 ft Grey green to occasionally brown sandy SILT, dense to occasionally friable, faint to moderate hydrocarbon odor.	12
<u>12</u>	⊥					
<u>13</u>						
<u>14</u>						
<u>15</u>					FINAL AUGER DEPTH - 11.5 ft NO GROUND WATER ENCOUNTERED	
<u>16</u>						
<u>17</u>						
<u>18</u>						
<u>19</u>						
<u>20</u>						

SOIL BORING LOG IB-2

Century West Engineering

Site Location: 1919 Market St., Oakland, Ca.				Boring ID: IB-2		Total Depth: 11.5 ft	
Boring Location: Myrtle St. downgradient from W UST.				Elevation: None		Initial GW Depth: None	
Purpose: Soil Investigation				Logged By: Jim Gribi		Final GW Depth: None	
Date: November 25, 1992				Blank Casing:		From: To:	
Consulting Firm: Century West Engineering				Perforations:		From: To:	
Project Number: 20511-006-02				Filter Sand:		From: To:	
Drilling Contractor: Kvilhaug Well Drilling				Bentonite:		From: To:	
Drilling Method: Hollow stem auger				Grout: Cement slurry (bent. <5%)		From: 11.5 ft To: Surf.	
Depth		Sample ID	Blow Counts	Profile	Soil Description	Remarks	
01					0.0 - 1.0 ft Asphalt and base rock.	PID Reading	
02							
03							
04					1.0 - 7.0 ft Brown silty SAND, loose to firm, no hydrocarbon odor or stain.		
05							
06	T	IB-2.1	8 8 15				
07	L					7.0 - 10.5 ft Grey green clayey SILT, firm, dense, faint to moderate hydrocarbon odor.	0
08							
09							
10							
11	T	IB-2.2	5 8 15				
12	L					10.5 - 11.5 ft Grey green silty SAND, fine grained, slightly clayey, some dark brown streaks, moderate hydrocarbon odor.	28
13							
14							
15					FINAL AUGER DEPTH - 11.5 ft NO GROUND WATER ENCOUNTERED		
16							
17							
18							
19							
20							

SOIL BORING LOG IB-3

Century West Engineering

Site Location: 1919 Market St., Oakland, Ca.	Boring ID: IB-3	Total Depth: 11.5 ft
Boring Location: Myrtle St. downgradient from MW-3.	Elevation: None	Initial GW Depth: None
Purpose: Soil Investigation	Logged By: Jim Gribi	Final GW Depth: None
Date: November 25, 1992	Blank Casing:	From: To:
Consulting Firm: Century West Engineering	Perforations:	From: To:
Project Number: 20511-006-02	Filter Sand:	From: To:
Drilling Contractor: Kvilhaug Well Drilling	Bentonite:	From: To:
Drilling Method: Hollow stem auger	Grout: Cement slurry (bent. <5%)	From: 11.5 ft To: Surf.

Depth		Sample ID	Blow Counts	Profile	Soil Description	Remarks
<u>01</u>					0.0 - 1.0 ft Asphalt and base rock.	PID Reading
<u>02</u>						
<u>03</u>						
<u>04</u>					1.0 - 7.0 ft Brown sandy SILT, slightly clayey, moist, no hydrocarbon odor or stain.	
<u>05</u>						
<u>06</u>	T	IB-3.1	5 10 12			0
<u>07</u>	L					
<u>08</u>						
<u>09</u>						
<u>10</u>						
<u>11</u>	T	IB-3.2	5 7 12		9.0 - 11.5 ft Brown to occasionally grey green clayey SILT, moist, no hydrocarbon odor or stain.	5
<u>12</u>	L					
<u>13</u>						
<u>14</u>						
<u>15</u>					FINAL AUGER DEPTH - 11.5 ft NO GROUND WATER ENCOUNTERED	
<u>16</u>						
<u>17</u>						
<u>18</u>						
<u>19</u>						
<u>20</u>						

SOIL BORING LOG IB-4

Century West Engineering

Site Location: 1919 Market St., Oakland, Ca.		Boring ID: IB-4		Total Depth: 11.5 ft		
Boring Location: Myrtle St. North from E UST.		Elevation: None		Initial GW Depth: None		
Purpose: Soil Investigation		Logged By: Jim Gribi		Final GW Depth: None		
Date: November 25, 1992		Blank Casing:		From: To:		
Consulting Firm: Century West Engineering		Perforations:		From: To:		
Project Number: 20511-006-02		Filter Sand:		From: To:		
Drilling Contractor: Kvilhaug Well Drilling		Bentonite:		From: To:		
Drilling Method: Hollow stem auger		Grout: Cement slurry (bent. <5%)		From: 11.5 ft To: Surf.		
Depth		Sample ID	Blow Counts	Profile	Soil Description	Remarks
01					0.0 - 1.0 ft Asphalt and base rock.	PID Reading
02						
03						
04					1.0 - 3.0 ft Brown sandy SILT, slightly clayey, moist, no hydrocarbon odor or stain.	
05						
06	T	IB-4.1	5			0
07	L		7			
08			12		3.0 - 10.0 ft Grey green clayey SILT, slightly sandy, moist, moderate hydrocarbon odor.	
09						
10						
11	T	IB-4.2	8		10.0 - 11.5 ft Grey green to brown sandy SILT, slightly clayey, moist, faint to moderate hydrocarbon odor.	16
12	L		9			
13			16			
14					FINAL AUGER DEPTH - 11.5 ft	
15					NO GROUND WATER ENCOUNTERED	
16						
17						
18						
19						
20						

SOIL BORING LOG IB-5

Century West Engineering

Site Location: 1919 Market St., Oakland, Ca.	Boring ID: IB-5	Total Depth: 12.5 ft
Boring Location: Myrtle St. downgradient from North UST.	Elevation: None	Initial GW Depth: None
Purpose: Soil Investigation	Logged By: Bob Bogar	Final GW Depth: None
Date: June 17, 1993	Blank Casing:	From: To:
Consulting Firm: Century West Engineering	Perforations:	From: To:
Project Number: 20511-006-03	Filter Sand:	From: To:
Drilling Contractor: Kvlhaug Well Drilling	Bentonite:	From: To:
Drilling Method: Hollow stem auger	Grout: Cement slurry (bent. <5%)	From: 12.5 ft To: Surf.

Depth		Sample ID	Blow Counts	Profile	Soil Description	Remarks	
<u>01</u>					0.0 - 1.5 ft Concrete and base rock.		
<u>02</u>					1.5 - 4.0 ft Dark brown loose SILT, slightly clayey, moist, no hydrocarbon odor or stain.		
<u>03</u>							
<u>04</u>					4.0 - 9.0 ft Grey silty CLAY, firm, moist, no hydrocarbon odor or stain.		
<u>05</u>							
<u>06</u>	T	IB-5.1	5 9 10				
<u>07</u>	L						
<u>08</u>							
<u>09</u>							
10					9.0 - 12.5 ft Grey green sandy SILT, slightly clayey, firm, moist, no hydrocarbon odor or stain.		
<u>11</u>	T	IB-5.2	6 8 13				
<u>12</u>	L						
<u>13</u>							
<u>14</u>							
15							
					FINAL AUGER DEPTH - 12.5 ft NO GROUND WATER ENCOUNTERED		

SOIL BORING LOG IB-6

Century West Engineering

Site Location: 1919 Market St., Oakland, Ca.	Boring ID: IB-6	Total Depth: 12.5 ft
Boring Location: Myrtle St. downgradient from South UST	Elevation: None	Initial GW Depth: None
Purpose: Soil Investigation	Logged By: Bob Bogar	Final GW Depth: approx 12 ft.
Date: June 17, 1993	Blank Casing:	From: To:
Consulting Firm: Century West Engineering	Perforations:	From: To:
Project Number: 20511-006-03	Filter Sand:	From: To:
Drilling Contractor: Kvilhaug Well Drilling	Bentonite:	From: To:
Drilling Method: Hollow stem auger	Grout: Cement slurry (bent. <5%)	From: 11.5 ft To: Surf.

Depth		Sample ID	Blow Counts	Profile	Soil Description	Remarks	
01					0.0 - 1.0 ft Asphalt and base rock.		
02							
03							
04					1.0 - 4.0 ft Grey to brown silty CLAY, loose to firm, no hydrocarbon odor or stain.		
05							
06	T	IB-6.1	6 10 14				
07	L						
08						4.0 - 7.0 ft Grey silty CLAY, moderate sewer odor.	
09							
10							
11	T	IB-6.2	13 17 26		7.0 - 11.5 ft Grey green silty CLAY, firm, moist, no hydrocarbon odor. Grades to silty sand.		
12	L						
13							
14							
15							
					FINAL AUGER DEPTH - 12.5 ft GROUND WATER - APPROX. 12 ft.		

SOIL BORING LOG IB-7

Century West Engineering

Site Location: 1919 Market St., Oakland, Ca.				Boring ID: IB-7		Total Depth: 10 ft		
Boring Location: South of dispenser pad inside building				Elevation: None		Initial GW Depth: None		
Purpose: Soil Investigation				Logged By: Bob Bogar		Final GW Depth: None		
Date: June 25, 1993				Blank Casing:		From: To:		
Consulting Firm: Century West Engineering				Perforations:		From: To:		
Project Number: 20511-006-03				Filter Sand:		From: To:		
Drilling Contractor: Kvilhaug Well Drilling				Bentonite:		From: To:		
Drilling Method: Hand auger				Grout: Cement slurry (bent. <5%)		From: 10 ft To: Surf.		
Depth		Sample ID	Blow Counts	Profile	Soil Description		Remarks	
01					0.0 - 1.0 ft	Concrete		
02					1.0 - 3.0 ft	Dark brown moist clayey SILT, no hydrocarbon odor or stain.		
03					3.0 - 5.0 ft	Medium to light brown moist clayey to sandy SILT, no hydrocarbon odor or stain.		
04								
05								
06	T	IB-7.1	4 7 9		5.0 - 8.0 ft	Grades to CLAY, mottled light to dark brown.		
07	L							
08								
09								
10					8.0 - 10.0 ft	Light to dark green moist CLAY strong hydrocarbon odor.		
11	T	IB-7.2	8 14 15		FINAL AUGER DEPTH - 10.0 ft NO GROUND WATER ENCOUNTERED			
12	L							
13								
14								
15								

SOIL BORING LOG IB-8

Century West Engineering

Site Location: 1919 Market St., Oakland, Ca.		Boring ID: IB-8		Total Depth: 10.0 ft		
Boring Location: North of dispenser pad in building.		Elevation: None		Initial GW Depth: None		
Purpose: Soil Investigation		Logged By: Bob Bogar		Final GW Depth: None		
Date: June 25, 1993		Blank Casing:		From:	To:	
Consulting Firm: Century West Engineering		Perforations:		From:	To:	
Project Number: 20511-006-03		Filter Sand:		From:	To:	
Drilling Contractor: Kvilhaug Well Drilling		Bentonite:		From:	To:	
Drilling Method: Hand auger		Grout: Cement slurry (bent. <5%)		From: 10.0 ft	To: Surf.	
Depth		Sample ID	Blow Counts	Profile	Soil Description	Remarks
<u>01</u>					0.0 - 2.0 ft Concrete	
<u>02</u>					2.0 - 8.0 ft Dark brown, moist silty CLAY, no hydrocarbon odor or stain.	
<u>03</u>						
<u>04</u>						
<u>05</u>						
<u>06</u>	T	IB-8.1	6		8.0 - 10.0 ft Light to dark green, moist silty CLAY, strong solvent odor.	
<u>07</u>	⊥		10			
<u>08</u>			22			
<u>09</u>						
<u>10</u>						
<u>11</u>	T	IB-8.2	19		FINAL AUGER DEPTH - 10.0 ft NO GROUND WATER ENCOUNTERED	
<u>12</u>	⊥		19			
<u>13</u>			23			
<u>14</u>						
<u>15</u>						