

**DRAFT**

ENVIRONMENTAL  
PROTECTION

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December 27, 1999  
SCI 133.009

Mr. Barney Chan  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502

**Groundwater Monitoring Program Report  
May and August 1999 Events and  
October 1999 Waste Removal Activities  
Ninth Avenue Terminal  
Oakland, California**

Dear Mr. Chan:

This report presents the results of groundwater monitoring conducted in May and August 1999 at the above-referenced site by Subsurface Consultants, Inc. (SCI), and the results of waste removal activities conducted by the Port of Oakland in October 1999. The location of the site is shown on Plate 1. Previous site characterization studies indicate that petroleum hydrocarbons as well as other potentially hazardous chemicals and metals have impacted soil and groundwater at the Ninth Avenue Terminal area. Monitoring is being performed on a quarterly basis in general accordance with the revised monitoring plan presented in SCI's March 29, 1999 Groundwater Monitoring Report, as amended by Alameda County Health Care Services Agency (ACHCSA) in their letter dated April 16, 1999. The current groundwater monitoring program is outlined in the attached Table 1.

**MONITORING ACTIVITIES**

The monitoring activities consisted of sampling 21 of the 42 on-site wells in May 1999 and 7 of the 42 on-site wells in August 1999. As requested by ACHCSA, redox potential (Eh) and dissolved oxygen (DO) readings were obtained for both monitoring events.

Prior to sampling, the depth to water was measured from below the top of the casing in all site wells with an electric well sounder. A summary of groundwater measurements is presented in Table 2. Selected wells were checked for the presence of free product, using a steel tape coated with petroleum sensitive paste. During the May 1999 event, free product was detected in well MW-6 and in the "oil filled manhole". During the August 1999 event, free product was detected

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in wells MW-4, MW-6, SCIMW-24, and the "oil filled manhole". The free product was removed from the wells using disposable bailers and, placed in 55-gallon drums and stored on-site. Due to the presence of free product, impacted wells were not purged or sampled during either events.

All equipment used during the events was decontaminated between each use. Disposable bailers were used for purging and sampling, and were decontaminated and discarded after each use. The pH, specific conductivity, and temperature of the purged water were measured after each well volume was removed. The wells were considered purged when these environmental parameters had stabilized. A Well Sampling Form was completed for each well sampled during each event. Water generated during purging was placed into 55-gallon steel drums, labeled, and stored on-site. Well Sampling Forms manifests are included in Appendix A.

For both sampling events, groundwater samples were retained in glass and polyethylene containers pre-cleaned by the supplier in accordance with EPA protocol. The filled sample containers were placed in ice filled chests and remained iced until delivery to the analytical laboratory. Chain-of-Custody records accompanied the samples to the laboratory.

#### **WASTE DISPOSAL ACTIVITIES**

CET Environmental Services, Inc. (CET) was retained by the Port of Oakland in October 1999 to (1) remove accumulated free floating product from the "oil filled manhole" and a storm drain inlet located south of well SCIMW-9, and (2) remove purge water and free product accumulated from previous sampling events. A total of 70 gallons of oil and 2,430 gallons of oily water were removed from the manhole and a total of 110 gallons of oily water were removed from the storm drain inlet south of well SCIMW-9. 295 gallons of waste water and 30 gallons of free product accumulated from previous monitoring events were also removed. The waste materials were transported to Evergreen Environmental Services facility in Newark California for disposal. A copy of the bill of lading and Uniform Hazardous Waste Manifest for these removal activities are presented in Appendix B.

#### **ANALYTICAL TESTING**

The chemical testing program for the May and August events included analyses for TVH, TEH, BTEX, PNAs, chlorinated pesticides, VOCs, and heavy metals (see Table 1)<sup>1</sup>. The program also

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<sup>1</sup> TVH = Total Volatile Hydrocarbons by EPA Method 5030/8015M  
BTEX = Benzene, Toluene, Ethylbenzene and Xylenes by EPA Method 5030/8021B  
TEH = Total Extractable Hydrocarbons by EPA Method 3520/8015M  
PNA = Polynuclear Aromatic Hydrocarbons by EPA Method 3520/8270B  
Chlorinated Pesticides by EPA Method 3520/8080  
Heavy Metals and Lead by EPA 6010/7000 series

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included a combination of field and laboratory testing for environmental parameters (pH, Eh, DO, TDS, and DOC)<sup>2</sup> to assist in trend analysis.

Analytical testing was performed by Curtis & Tompkins, Ltd., a State of California Department of Health Services certified analytical laboratory who has provided all previous analytical services. Analytical results are presented in Tables 3 through 9. These tables are comprehensive as they present all data generated for site wells to date. Analytical test reports and chain-of-custody forms are included in Appendix C.

## **DISCUSSION**

### **Groundwater Elevation and Flow Patterns**

The approximate groundwater elevation contours for the respective events are presented on Plates 2 and 3. Groundwater elevation contour patterns have remained relatively consistent since 1996. In general, groundwater elevations tend to be higher in the central portion of the site with flow radiating outward toward the shorelines of Clinton Basin and Brooklyn Basin. The bulkhead wall extending along the southeastern and southwestern portions of the site acts as an inhibitor to the flow of groundwater beneath the site. The contours also indicate that groundwater migrates to the open shorelines around the bulkhead wall.

Wells located along the Clinton and Brooklyn Basin shorelines are tidally influenced, while interior wells and those adjacent to the concrete bulkhead are not. Groundwater level measurements were obtained from tidally influenced wells first to minimize the potential discrepancies in elevation for each event.

### **Monitoring and Chemical Data**

The data generated to date suggests that impacts resulting from petroleum hydrocarbons are widespread at the site, with concentrations in specific source areas remaining relatively high. Impacts resulting from other previous site activities appear localized to their specific area of use. Specific results of interest for each of the events are outlined below.

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<sup>2</sup> pH by Standard Methods (SM) 4500-H+B  
Eh = Redox Potential by SM 2580B  
DO = Dissolved Oxygen by SM 4500-OG  
TDS = Total Dissolved Solids by EPA 160.1  
DOC = Dissolved Organic Carbon by EPA 415.2

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#### May 1999 Event

*Disinfect & Filtered*  
TEH was non-detect in wells SCIMW-5, SCIMW-6, SCIMW-8, SCIMW-11, SCIMW-12, SCIMW-14, SCIMW-16, SCIMW-22, SCIMW-30, and SCIMW-35. The concentrations of TEH in the other wells ranged from 75 ppb to 10,000 ppb (SCIMW-2).

- Chlorinated pesticide analyses were conducted on samples collected from wells SCIMW-7 and SCIMW-33. No detectable concentrations of chlorinated pesticides have been measured in well SCIMW-7 for the last two events. Well SCIMW-33 contained 25.8 ppb of DDD and DDE<sup>3</sup> compounds.
- Wells SCIMW-7, SCIMW-22, SCIMW-30, SCIMW-31, SCIMW-32 and SCIMW-33 were tested for VOCs. Well SCIMW-7 contained concentrations of chloroethane (570 ppb), cis-1,2 dichloroethene (1,2 DCE @ 160 ppb), trans 1,2 DCE (33 ppb) and vinyl chloride (160 ppb). Chlorobenzene (290 ppb) and xylenes (12 ppb) were detected in well SCIMW-33. No detectable concentrations of VOCs were measured in the other wells.
- A filtered sample from well SCIMW-24 was tested for PNAs. Naphthalene was detected at 77 ppb. Previously, both filtered and unfiltered samples have been screened for PNAs to characterize the dissolved fraction of PNAs in groundwater. However, a review of the data indicates no appreciable difference is observed between filtered and unfiltered samples.
- Filtered samples from wells SCIMW-2, SCIMW-6, SCIMW-11, and SCIMW-28 were submitted for heavy metal analyses. Barium concentrations varied from 19 ppb to 900 ppb (SCIMW-2). Well SCIMW-2 also contained arsenic (11 ppb), selenium (9.5 ppb) and zinc (24 ppb), well SCIMW-6 also contained copper (21 ppb) and zinc (63 ppb), and well SCIMW-28 also contained arsenic (25 ppb).
- Filtered samples from wells SCIMW-24 and SCIMW-34 were submitted for lead analysis. Lead has not been detected in samples from these wells during the last three events

#### August 1999 Event

- TEH was non-detect in well SCIMW-34, and was measured at 120 ppb in well SCIMW-23 and 13,000 ppb in well SCIMW-2.
- Chlorinated pesticide analyses were not conducted during this event.

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<sup>3</sup> DDD=Dichlorodiphenyl dichloroethane, DDE= Dichlorodiphenyl Dichloroethene

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- VOC analyses were not conducted during this event.
- PNA analyses were not conducted during this event.
- Filtered samples from wells SCIMW-2 and SCIMW-6 were submitted for heavy metal analyses. Well SCIMW-2 contained arsenic (6.8 ppb) and barium (300 ppb). Well SCIMW-6 contained barium (43 ppb), copper (26 ppb), lead (4.3 ppb) and zinc (110 ppb).
- A filtered sample from well SCIMW-34 was submitted for lead analysis. Lead has not been detected in samples from this well during the last four events. A sample was not collected from well SCIMW-24 during this event due to the presence of free product.

#### **ONGOING MONITORING**

Field sampling activities for the annual event were conducted during the first week in December. Proposed modifications to the Site-wide Monitoring Program, if any, will be presented in the written annual report.

If you have any questions, please call either of the undersigned at (925) 299-7960.

Yours very truly,

Subsurface Consultants, Inc.

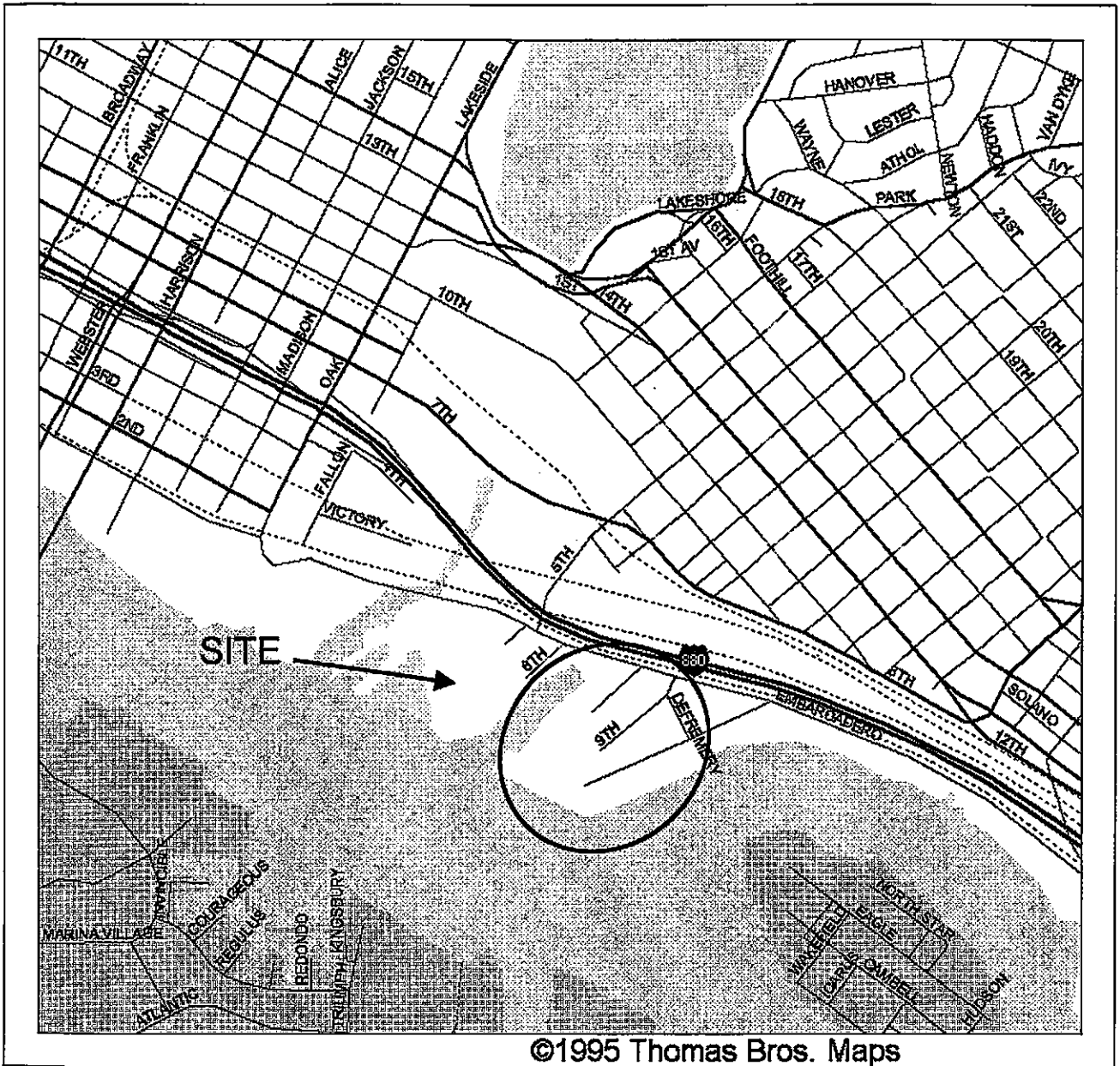
Emily Silverman  
Staff Geologist

Jeriann Alexander  
Civil Engineer 40469 (exp. 3/31/03)  
Registered Environmental Assessor 03130 (exp. 6/30/00)

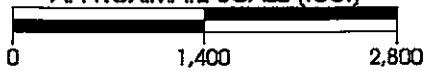
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APPROXIMATE SCALE (feet)



### SITE VICINITY MAP

NINTH AVENUE TERMINAL STUDY AREA  
OAKLAND, CALIFORNIA

PLATE

1

**SCI**

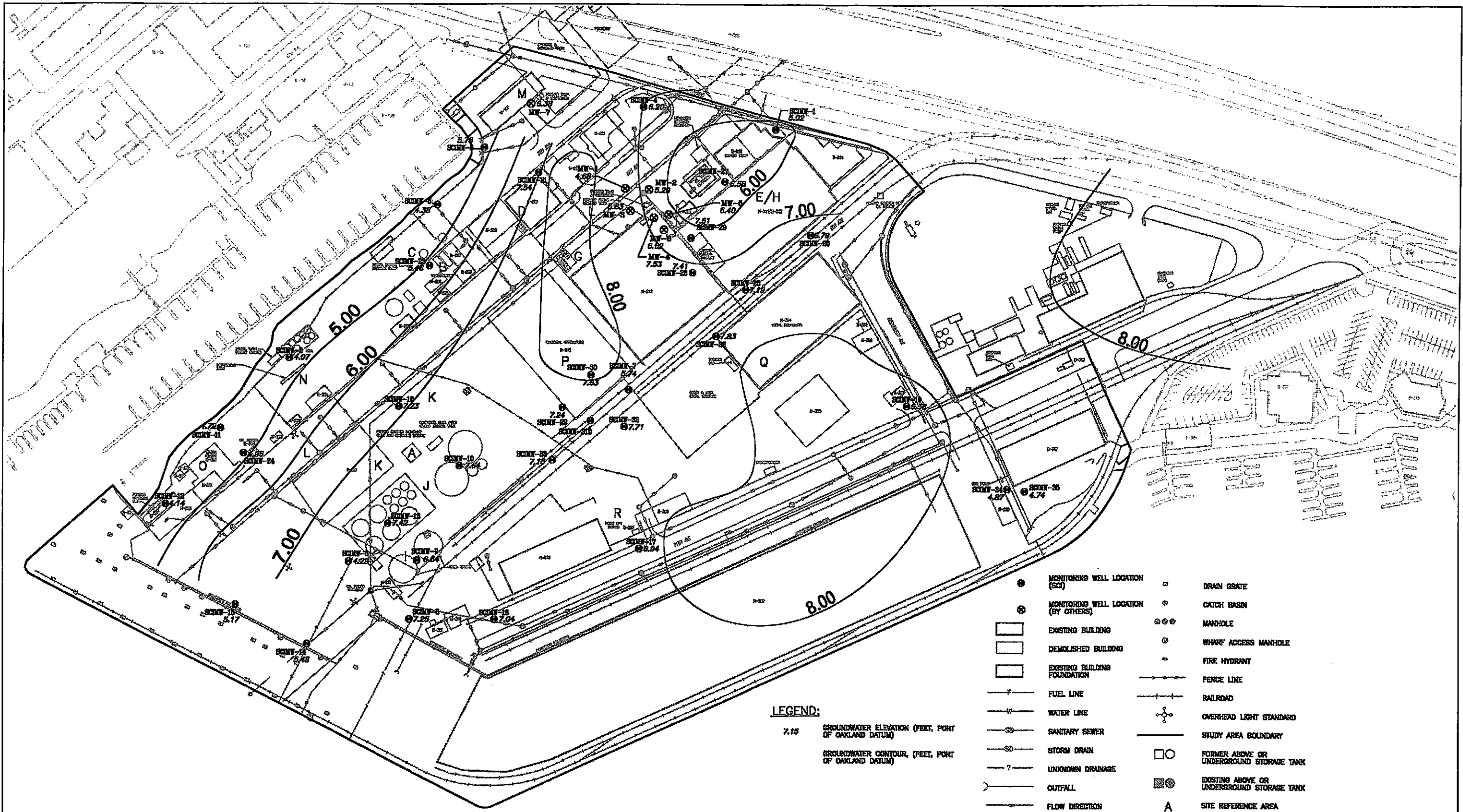
**Subsurface Consultants, Inc.**  
Geotechnical & Environmental Engineers

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**LEGEND:**

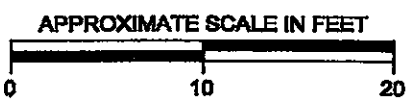
7.15 GROUNDWATER ELEVATION (FEET, PORT OF OAKLAND DATUM)  
 GROUNDWATER CONTOUR, (FEET, PORT OF OAKLAND DATUM)

- MONITORING WELL LOCATION (SCI)
- MONITORING WELL LOCATION (BY OTHERS)
- ▭ EXISTING BUILDING
- ▭ DEMOLISHED BUILDING
- ▭ EXISTING BUILDING FOUNDATION
- FUEL LINE
- WATER LINE
- SANITARY SEWER
- STORM DRAIN
- UNKNOWN DRAINAGE
- OUTFALL
- FLOW DIRECTION
- DRAIN GRATE
- CATCH BASIN
- ⊙ MANHOLE
- ⊙ WHARF ACCESS MANHOLE
- ⊙ FIRE HYDRANT
- FENCE LINE
- RAILROAD
- ⊙ OVERHEAD LIGHT STANDARD
- STUDY AREA BOUNDARY
- ○ FORMER ABOVE OR UNDERGROUND STORAGE TANK
- ⊙ EXISTING ABOVE OR UNDERGROUND STORAGE TANK
- A SITE REFERENCE AREA

**GROUNDWATER ELEVATION CONTOURS**

MAY 1999

NINTH AVENUE TERMINAL  
 PORT OF OAKLAND

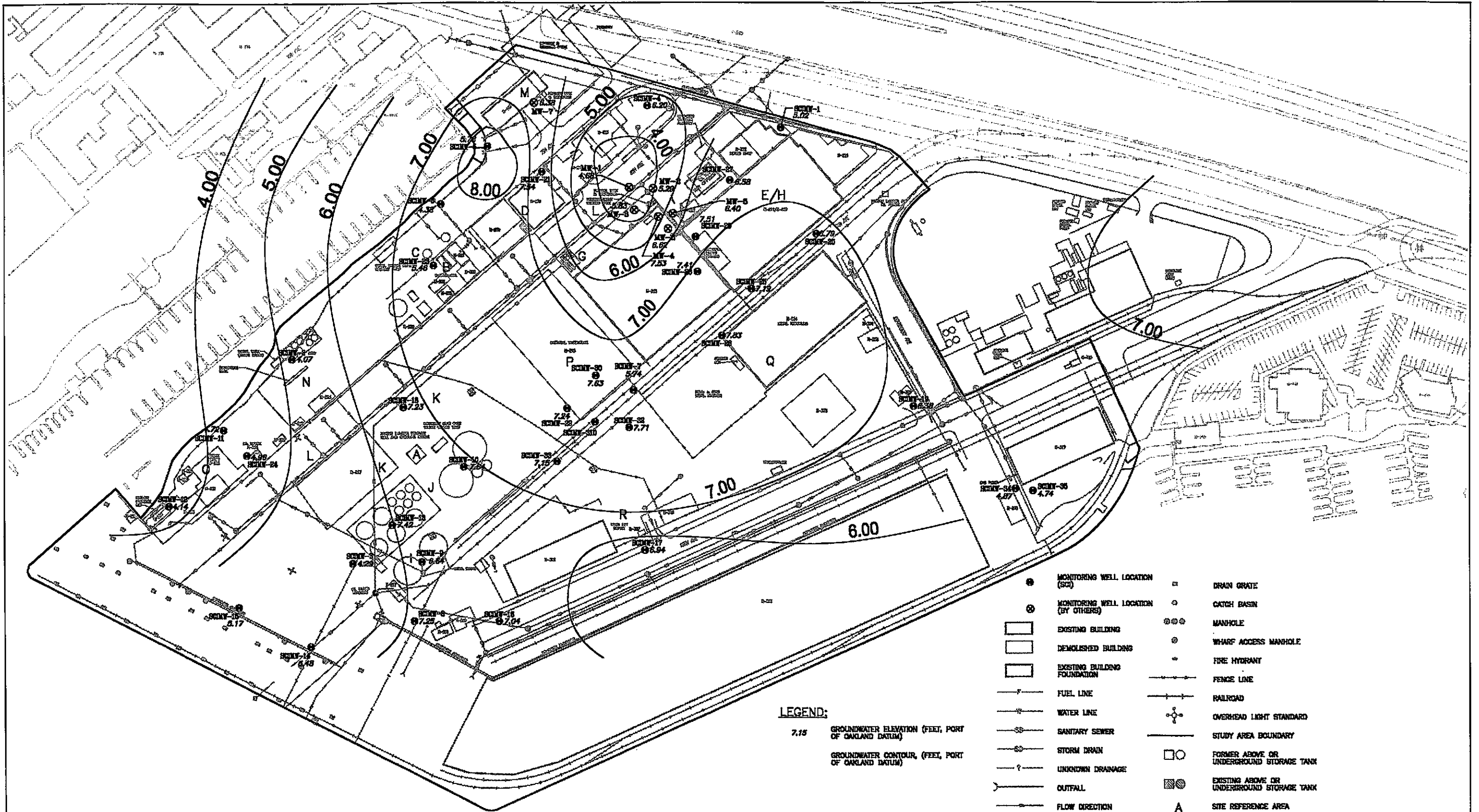


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PLATE  
**2**





**LEGEND:**

- 7.15 GROUNDWATER ELEVATION (FEET, PORT OF OAKLAND DATUM)
- GROUNDWATER CONTOUR, (FEET, PORT OF OAKLAND DATUM)

- MONITORING WELL LOCATION (SC2)
- MONITORING WELL LOCATION (BY OTHERS)
- ▭ EXISTING BUILDING
- ▭ DEMOLISHED BUILDING
- ▭ EXISTING BUILDING FOUNDATION
- FUEL LINE
- WATER LINE
- SANITARY SEWER
- STORM DRAIN
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**GROUNDWATER ELEVATION CONTOURS  
AUGUST 1999**

**NINTH AVENUE TERMINAL  
PORT OF OAKLAND**

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PLATE  
**3**

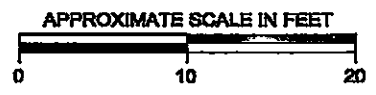


Table 1  
 Groundwater Monitoring Program  
 Ninth Avenue Terminal, Port of Oakland  
 May 1999 to March 2001

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Monitoring Well ID	TVH (EPA 8015m/8020)	BTEX (EPA 8015m/8020)	TEHd, mo (8015m; w/ silica gel clean-up)	VOCs (EPA 8260/8240 list)	PNAs (EPA 8270; Filtered)	Pesticides (EPA 8080)	Heavy Metals Filtered (EPA 6010/7000; Filtered)	Lead (EPA 6010/7000; Filtered)	pH (field)	Eh (field)	TDS (EPA 160.1)	Dissolved Organic Carbon (EPA 9060)	Dissolved Oxygen (field)	Water Levels	Free Product Removal
MW-1			A							A			A	Q	
MW-2			A							A			A	Q	
MW-3			A							A			A	Q	
MW-4	A	A	A							A			A	Q	Q
MW-5		SA	SA							SA			SA	Q	
MW-6	SA	SA	SA							SA			SA	Q	Q
MW-7														Q	
SCIMW-1			A							A			A	Q	
SCIMW-2			Q				Q		Q	Q	Q	Q	Q	Q	
SCIMW-3			A							A			A	Q	
SCIMW-4			A							A			A	Q	
SCIMW-5			SA							Q			Q	Q	
SCIMW-6			SA			SA	Q		Q	Q	Q	Q	Q	Q	
SCIMW-7			A	SA		SA				SA			SA	Q	
SCIMW-8			A							A			A	Q	
SCIMW-9			A							A			A	Q	
SCIMW-10			A							A			A	Q	
SCIMW-11							SA		Q	Q	Q	Q	Q	Q	
SCIMW-12			SA						Q	Q	Q	Q	Q	Q	
SCIMW-13			A							A			A	Q	
SCIMW-14			SA						Q	Q	Q	Q	Q	Q	
SCIMW-15			SA							SA			SA	Q	
SCIMW-16			A							A			A	Q	
SCIMW-17			A							A			A	Q	
SCIMW-18			A							A			A	Q	
SCIMW-19			A							A			A	Q	

**Table 1**  
**Groundwater Monitoring Program**  
**Ninth Avenue Terminal, Port of Oakland**  
**May 1999 to March 2001**

**DRAFT**

Monitoring Well ID	TVH (EPA 8015m/8020)	BTEX (EPA 8015m/8020)	TEHd, mo (8015m; w/ silica gel clean-up)	VOCs (EPA 8260/8240 list)	PNAs (EPA 8270; Filtered)	Pesticides (EPA 8080)	Heavy Metals Filtered (EPA 6010/7000; Filtered)	Lead (EPA 6010/7000; Filtered)	pH (field)	Eh (field)	TDS (EPA 160.1)	Dissolved Organic Carbon (EPA 9060)	Dissolved Oxygen (field)	Water Levels	Free Product Removal
SCIMW-20			A					A		A			A	Q	
SCIMW-21			A						A	A			A	Q	
SCIMW-22			A	SA						SA			SA	Q	
SCIMW-23			Q			SA			Q	Q	Q	Q	Q	Q	
SCIMW-24	Q	Q	Q		SA			Q	Q	Q	Q	Q	Q	Q	
SCIMW-25														Q	
SCIMW-26			A							A			A	Q	
SCIMW-27			A							A			A	Q	
SCIMW-28			A				SA			SA			SA	Q	
SCIMW-29														Q	
SCIMW-30			A	SA						SA			SA	Q	
SCIMW-31D				SA						SA			SA	Q	
SCIMW-32			A	SA						SA			SA	Q	
SCIMW-33			A	SA		A				SA			SA	Q	
SCIMW-34	Q	Q	Q					Q	Q	Q	Q	Q	Q	Q	
SCIMW-35			SA							Q			Q	Q	

**Notes:**  
 Q = Quarterly - conducted each quarter  
 SA = Semi-Annually - conducted during the first and third quarterly events  
 A = Annually - conducted during the first quarter only  
 TVH = Total Volatile Hydrocarbons  
 BTEX = Benzene, Toluene, Ethylbenzene and total Xylenes  
 TEH = Total Extractable Hydrocarbons  
 VOCs = Volatile Organic Compounds  
 SVOCs = Semi-Volatile Organic Compounds  
 PCBs = Polychlorinated Biphenyls  
 TDS = Total Dissolved Solids  
 Obtain one duplicate VOC sample semi-annually for QA/QC

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TABLE 2  
SUMMARY OF GROUNDWATER ELEVATION DATA  
NINTH AVENUE TERMINAL STUDY AREA

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)
<b>MW-1</b>				<b>TOC Elevation = 9.99</b>			
9/20/93	5.20	4.79	none	1/16/97	4.37	5.62	none
12/1/93	5.15	4.84	none	2/28/97	4.00	5.99	none
3/31/94	4.09	5.90	none	3/26/97	4.80	5.19	none
6/2/94	4.82	5.17	none	5/5/97	5.02	4.97	none
9/30/94	5.63	4.36	none	6/27/97	5.12	4.87	none
12/22/94	5.00	4.99	none	7/23/97	5.20	4.79	none
4/10/95	4.94	5.05	none	8/25/97	5.20	4.79	none
7/24/95	5.02	4.97	none	9/25/97	5.28	4.71	none
11/10/95	5.52	4.47	none	10/30/97	5.40	4.59	none
2/20/96	4.49	5.50	none	12/3/97	5.07	4.92	none
5/23/96	5.04	4.95	none	12/30/97	5.13	4.86	none
6/28/96	5.13	4.86	none	1/28/98	4.95	5.04	none
7/29/96	5.21	4.78	none	3/11/98	4.75	5.24	none
9/3/96	5.37	4.62	none	3/30/98	4.82	5.17	none
9/9/96	5.65	4.34	none	4/27/98	4.92	5.07	none
9/18/96	5.35	4.64	none	6/1/98	4.97	5.02	none
9/23/96	5.36	4.63	none	6/26/98	5.05	4.94	none
9/30/96	5.39	4.60	none	9/17/98	5.31	4.68	none
10/28/96	5.09	4.90	none	12/7/98	5.23	4.76	none
12/2/96	4.80	5.19	none	5/4/99	5.21	4.78	none
12/30/96	4.25	5.74	none	8/25/99	7.11	2.88	none
<b>MW-2</b>				<b>TOC Elevation = 10.32</b>			
9/20/93	4.40	5.92	none	1/16/97	3.99	6.33	none
12/1/93	4.75	5.57	none	2/28/97	3.88	6.44	none
3/31/94	5.01	5.31	none	3/26/97	3.83	6.49	none
6/2/94	4.61	5.71	none	5/5/97	3.85	6.47	none
9/30/94	4.93	5.39	none	6/27/97	3.77	6.55	none
12/22/94	4.43	5.89	none	7/23/97	3.88	6.44	none
4/10/95	4.03	6.29	none	8/25/97	3.88	6.44	none
7/24/95	4.41	5.91	none	9/25/97	3.95	6.37	none
11/10/95	4.59	5.73	none	10/30/97	5.32	5.00	none
2/20/96	3.81	6.51	none	12/3/97	4.98	5.34	none
5/23/96	4.41	5.91	none	12/30/97	4.95	5.37	none
6/28/96	3.81	6.51	none	1/28/98	4.96	5.36	none
7/29/96	3.81	6.51	none	3/11/98	5.02	5.30	none
9/3/96	3.98	6.34	none	3/30/98	4.45	5.87	none
9/9/96	4.00	6.32	none	4/27/98	4.62	5.70	none
9/18/96	4.08	6.24	none	6/1/98	5.15	5.17	none
9/23/96	4.08	6.24	none	6/26/98	4.77	5.55	none
9/30/96	4.08	6.24	none	9/17/98	5.03	5.29	none
10/28/96	4.34	5.98	none	12/7/98	4.96	5.36	none
12/2/96	4.30	6.02	none	5/3/99	4.85	5.47	none
12/30/96	3.92	6.40	none	8/25/99	5.01	5.31	none

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TABLE 2  
SUMMARY OF GROUNDWATER ELEVATION DATA  
NINTH AVENUE TERMINAL STUDY AREA

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)
<b>MW-3 TOC Elevation = 10.18</b>							
9/20/93	15.20	-5.02+	none	3/26/97	4.76	5.42	none
12/1/93	5.70	4.48	none	5/5/97	4.69	5.49	none
3/31/94	4.23	5.95	none	6/27/97	4.51	5.67	none
6/2/94	3.86	6.32	none	7/23/97	4.58	5.60	none
9/30/94	5.44	4.74	none	8/25/97	4.62	5.56	none
12/22/94	4.87	5.31	none	9/25/97	4.53	5.65	none
4/10/95	7.64	2.54+	none	10/30/97	4.70	5.48	none
7/24/95	3.62	6.56	none	12/3/97	4.10	6.08	none
11/10/95	5.11	5.07	none	12/30/97	4.59	5.59	none
2/20/96	4.14	6.04	none	1/28/98	4.59	5.59	none
5/23/96	4.49	5.69	none	3/11/98	4.48	5.70	none
6/28/96	--	--	--	3/30/98	4.31	5.87	none
7/29/96	4.64	5.54	none	4/27/98	4.26	5.92	none
9/3/96	4.48	5.70	none	6/1/98	3.92	6.26	none
9/18/96	6.42	3.76+	none	6/26/98	--	--	--
9/23/96	6.06	4.12	none	9/17/98	4.35	5.83	none
9/30/96	5.18	5.00	none	12/7/98	3.56	6.62	none
10/28/96	4.83	5.35	none	5/4/99	4.45	5.73	none
12/2/96	4.84	5.34	none	8/25/99	6.34	3.84	none
12/30/96	4.84	5.34	none				
1/16/97	4.73	5.45	none				
3/5/97	4.69	5.49	none				
<b>MW-4 TOC Elevation = 11.98</b>							
9/20/93	5.80	6.18	8.04	2/28/97	3.78	8.20	trace
12/1/93	4.10	7.88	trace	3/26/97	3.90	8.08	trace
3/31/94	4.20	7.78	6.96	5/5/97	3.92	8.06	0.13
6/2/94	3.88	8.10	6.00	6/27/97	4.11	7.87	0.50
9/30/94	5.80	6.18	12.00	7/23/97	4.30	7.68	trace
12/22/94	3.47	8.51	10.08	8/25/97	3.55	8.43	trace
4/10/95	3.80	8.18	0.00	9/25/97	3.91	8.07	trace
5/16/95	3.07	8.91	NA	10/30/97	4.98	7.00	0.13
7/24/95	3.65	8.33	0.00	12/3/97	3.60	8.38	0.50
11/10/95	NA	NA	0.00	12/30/97	3.52	8.46	trace
2/20/96	NA	NA	NA	1/28/98	3.02	8.96	0.63
5/23/96	2.96	9.02	0.00	3/11/98	3.28	8.70	trace
6/28/96	3.93	8.05	2.38	3/30/98	3.29	8.69	trace
7/29/96	5.09	6.89	0.50	4/27/98	3.55	8.43	0.25
9/3/96	4.65	7.33	0.25	6/1/98	3.02	8.96	0.19
9/9/96	5.15	6.83	0.50	6/26/98	3.75	8.23	trace
9/18/96	5.45	6.53	0.13	9/17/98	4.45	7.53	0.25
9/23/96	4.80	7.18	0.38	12/7/98	3.35	8.63	0.38
9/30/96	4.88	7.10	0.06	5/4/99		Well Inaccessible	
10/28/96	5.12	6.86	0.25	8/25/99	4.65	7.33	0.85
12/2/96	3.22	8.76	2.00				
12/30/96	2.94	9.04	0.25				
1/16/97	3.22	8.76	trace				

TABLE 2  
SUMMARY OF GROUNDWATER ELEVATION DATA  
NINTH AVENUE TERMINAL STUDY AREA

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)
<b>MW-5 TOC Elevation = 11.84</b>							
4/10/95	4.64	7.20	none	6/27/97	5.45	6.39	none
7/24/95	5.24	6.60	none	7/23/97	5.39	6.45	none
11/10/95	5.38	6.46	none	8/25/97	5.18	6.66	none
2/20/96	2.69	9.15	none	9/25/97	5.40	6.44	none
5/23/96	2.67	9.17	none	10/30/97	5.45	6.39	none
6/28/96	5.29	6.55	none	12/3/97	2.42	9.42	none
7/29/96	5.35	6.49	none	12/30/97	5.04	6.80	none
9/3/96	5.44	6.40	none	1/28/98	2.79	9.05	none
9/9/96	5.45	6.39	none	3/11/98	4.54	7.30	none
9/18/96	5.51	6.33	none	3/30/98	4.60	7.24	none
9/23/96	5.51	6.33	none	4/27/98	5.18	6.66	none
9/30/96	5.49	6.35	none	6/1/98	3.17	8.67	none
10/28/96	5.56	6.28	none	6/26/98	5.31	6.53	none
12/2/96	4.64	7.20	none	9/17/98	5.44	6.40	none
12/30/96	2.42	9.42	none	12/7/98	3.79	8.05	none
1/16/97	3.46	8.38	none	5/3/99	5.25	6.59	none
2/28/97	5.14	6.70	none	8/25/99	5.46	6.38	none
3/26/97	5.28	6.56	none				
5/5/97	5.39	6.45	none				
<b>MW-6 TOC Elevation = 11.86</b>							
4/10/95	4.12	7.74	12.00	6/27/97	4.82	7.04	0.50
7/24/95	5.19	6.67	13.20	7/23/97	--	--	--
11/10/95	NA	NA	NA	8/25/97	4.50	7.36	trace
2/20/96	NA	NA	NA	9/25/97	3.94	7.92	7.25
5/23/96	NA	NA	4.50	10/30/97	5.06	6.80	2.00
6/28/96	4.89	6.97	3.00	12/3/97	4.88	6.98	7.00
7/29/96	5.00	6.86	1.00	12/30/97	4.53	7.33+	0.25
9/3/96	5.19	6.67	0.50	1/28/98	4.47	7.39	0.38
9/9/96	5.29	6.57	trace	3/11/98	4.35	7.51	trace
9/18/96	5.34	6.52	trace	3/30/98	4.45	7.41	trace
9/23/96	5.17	6.69	0.13	4/27/98	4.83	7.03	2.00
9/30/96	5.10	6.76	0.13	6/1/98	4.54	7.32	1.50
10/28/96	5.23	6.63	0.13	6/26/98	5.02	6.84	3.00
12/2/96	3.96	7.90	1.00	9/17/98	5.24	6.62	4.00
12/30/96	4.55	7.31	0.33	12/7/98	3.83	8.03	1.75
1/16/97	4.23	7.63	trace	5/4/99	4.65	7.21	0.50
2/28/97	4.54	7.32	0.50	8/25/99	5.25	6.61	1.15
3/26/97	4.54	7.32	trace				
5/5/97	4.82	7.04	0.50				



**TABLE 2**  
**SUMMARY OF GROUNDWATER ELEVATION DATA**  
**NINTH AVENUE TERMINAL STUDY AREA**

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)
<b>MW-7</b>				<b>TOC Elevation = 10.13</b>			
4/10/95	4.41	5.72	none	6/27/97	3.71	6.42	none
7/24/95	3.72	6.41	none	7/23/97	--	--	--
11/10/95	4.78	5.35	none	8/25/97	3.73	6.40	none
2/20/96	4.13	6.00	none	9/25/97	3.75	6.38	none
5/23/96	4.69	5.44	none	10/30/97	3.88	6.25	none
6/28/96	3.81	6.32	none	12/3/97	3.58	6.55	none
7/29/96	4.32	5.81	none	12/30/97	3.67	6.46	none
9/3/96	4.65	5.48	none	1/28/98	3.48	6.65	none
9/9/96	4.79	5.34	none	3/11/98	3.64	6.49	none
9/18/96	4.45	5.68	none	3/30/98	3.65	6.48	none
9/23/96	4.28	5.85	none	4/27/98	3.26	6.87	none
9/30/96	4.18	5.95	none	6/1/98	3.67	6.46	none
10/28/96	4.48	5.65	none	6/26/98	3.63	6.50	none
12/2/96	4.88	5.25	none	9/17/98	3.75	6.38	none
12/30/96	3.62	6.51	none	12/7/98	3.82	6.31	none
1/16/97	3.65	6.48	none	5/3/99	3.67	6.46	none
2/28/97	3.71	6.42	none	8/25/99	3.80	6.33	none
3/26/97	3.71	6.42	none				
5/5/97	3.80	6.33	none				
<b>SCIMW-1</b>				<b>TOC Elevation = 10.37</b>			
5/23/96	5.28	5.09	none	8/25/97	5.41	4.96	none
6/28/96	5.75	4.62	none	9/25/97	5.60	4.77	none
7/29/96	5.81	4.56	none	10/30/97	5.79	4.58	none
9/3/96	5.98	4.39	none	12/3/97	4.80	5.57	none
9/9/96	6.04	4.33	none	12/30/97	4.94	5.43	none
9/18/96	6.04	4.33	none	1/28/98	4.59	5.78	none
9/23/96	6.07	4.30	none	3/11/98	4.70	5.67	none
9/30/96	6.00	4.37	none	3/30/98	4.62	5.75	none
10/28/96	6.10	4.27	none	4/27/98	4.84	5.53	none
12/2/96	5.52	4.85	none	6/1/98	4.61	5.76	none
12/30/96	4.66	5.71	none	6/26/98	4.94	5.43	none
1/16/97	5.08	5.29	none	9/17/98	5.35	5.02	none
2/28/97	5.38	4.99	none	12/7/98	4.81	5.56	none
3/26/97	5.54	4.83	none	5/4/99	5.16	5.21	none
5/5/97	5.86	4.51	none	8/25/99	5.85	4.52	none
6/27/97	5.76	4.61	none				
7/23/97	5.59	4.78	none				
<b>SCIMW-2</b>				<b>TOC Elevation = 9.92</b>			
				<b>Tidally Influenced</b>			
5/23/96	5.88	4.04	none	8/25/97	5.90	4.02	none
6/28/96	7.33	2.59	none	9/25/97	3.81	6.11	none
7/29/96	7.43	2.49	none	10/30/97	3.32	6.60	none
9/3/96	6.54	3.38	none	12/3/97	3.54	6.38	none
9/9/96	4.67	5.25	none	12/30/97	3.60	6.32	none
9/18/96	6.50	3.42	none	1/28/98	2.42	7.50	none
9/23/96	3.78	6.14	none	3/11/98	3.33	6.59	none
9/30/96	6.18	3.74	none	3/30/98	7.08	2.84	none
10/28/96	3.72	6.20	none	4/27/98	7.36	2.56	none
12/2/96	6.60	3.32	none	6/1/98	5.78	4.14	none
12/30/96	4.57	5.35	none	6/26/98	7.02	2.90	none
1/16/97	6.10	3.82	none	9/17/98	5.85	4.07	none
2/28/97	7.04	2.88	none	12/7/98	6.40	3.52	none
3/26/97	6.59	3.33	none	5/3/99	5.40	4.52	none
5/5/97	7.03	2.89	none	8/25/99	6.92	3.00	none
6/27/97	6.50	3.42	none				
7/23/97	7.23	2.69	none				

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TABLE 2  
SUMMARY OF GROUNDWATER ELEVATION DATA  
NINTH AVENUE TERMINAL STUDY AREA

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)
<b>SCIMW-3</b>				<b>Tidally Influenced</b>			
TOC Elevation = 11.87							
5/23/96	4.65	7.22	none	8/25/97	5.10	6.77	none
6/28/96	4.86	7.01	none	9/25/97	5.14	6.73	none
7/29/96	5.03	6.84	none	10/30/97	5.55	6.32	none
9/3/96	5.20	6.67	none	12/3/97	5.30	6.57	none
9/9/96	5.28	6.59	none	12/30/97	5.13	6.74	none
9/18/96	5.24	6.63	none	1/28/98	4.71	7.16	none
9/23/96	5.26	6.61	none	3/11/98	--	--	--
9/30/96	5.31	6.56	none	3/30/98	4.13	7.74	none
10/17/96	5.43	6.44	none	4/27/98	4.02	7.85	none
10/28/96	5.58	6.29	none	6/1/98	4.30	7.57	none
12/2/96	5.78	6.09	none	6/26/98	4.11	7.76	none
12/30/96	5.49	6.38	none	9/17/98	7.58	4.29	none
1/16/97	5.41	6.46	none	12/7/98	5.56	6.31	none
2/28/97	5.27	6.60	none	5/3/99	4.92	6.95	none
3/26/97	4.98	6.89	none	8/25/99	5.30	6.57	none
5/5/97	4.93	6.94	none				
6/27/97	4.83	7.04	none				
7/23/97	4.94	6.93	none				
<b>SCIMW-4</b>				<b>Tidally Influenced</b>			
TOC Elevation = 10.03							
9/9/96	4.53	5.50	none	10/30/97	4.03	6.00	none
9/18/96	4.54	5.49	none	12/3/97	2.25	7.78	none
9/23/96	4.32	5.71	none	12/30/97	2.77	7.26	none
9/30/96	4.37	5.66	none	1/28/98	2.95	7.08	none
10/28/96	3.75	6.28	none	3/11/98	1.95	8.08	none
12/2/96	2.09	7.94	none	3/30/98	2.13	7.90	none
12/30/96	1.00	9.03	none	4/27/98	2.45	7.58	none
1/16/97	1.60	8.43	none	6/1/98	2.03	8.00	none
2/28/97	2.16	7.87	none	6/26/98	2.95	7.08	none
3/26/97	2.68	7.35	none	9/17/98	3.83	6.20	none
5/5/97	3.21	6.82	none	12/7/98	1.95	8.08	none
6/27/97	3.13	6.90	none	5/4/99	2.65	7.38	none
7/23/97	3.65	6.38	none	8/25/99	3.75	6.28	none
8/25/97	3.41	6.62	none				
9/25/97	3.90	6.13	none				
<b>SCIMW-5</b>				<b>Tidally Influenced</b>			
TOC Elevation = 10.19							
9/9/96	5.56	4.63	none	10/30/97	4.37	5.82	none
9/18/96	4.68	5.51	none	12/3/97	4.21	5.98	none
9/23/96	4.42	5.77	none	12/30/97	4.20	5.99	none
9/30/96	4.44	5.75	none	1/28/98	2.55	7.64	none
10/28/96	4.40	5.79	none	3/11/98	4.38	5.81	none
12/2/96	4.95	5.24	none	3/30/98	3.95	6.24	none
12/30/96	4.21	5.98	none	4/27/98	3.86	6.33	none
1/16/97	4.07	6.12	none	6/1/98	4.66	5.53	none
2/28/97	4.74	5.45	none	6/26/98	3.90	6.29	none
3/26/97	4.53	5.66	none	9/17/98	4.41	5.78	none
5/5/97	4.49	5.70	none	12/7/98	4.55	5.64	none
6/27/97	4.63	5.56	none	5/3/99	4.93	5.26	none
7/23/97	4.74	5.45	none	8/25/99	4.48	5.71	none
8/25/97	4.40	5.79	none				
9/25/97	4.26	5.93	none				

TABLE 2  
SUMMARY OF GROUNDWATER ELEVATION DATA  
NINTH AVENUE TERMINAL STUDY AREA

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)
<b>SCIMW-6</b>				<b>Tidally Influenced</b>			
TOC Elevation = 10.55							
9/9/96	5.86	4.69	none	10/30/97	5.37	5.18	none
9/18/96	6.54	4.01	none	12/3/97	5.29	5.26	none
9/23/96	5.47	5.08	none	12/30/97	5.42	5.13	none
9/30/96	6.44	4.11	none	1/28/98	3.56	6.99	none
10/28/96	5.93	4.62	none	3/11/98	5.11	5.44	none
12/2/96	7.04	3.51	none	3/30/98	6.46	4.09	none
12/30/96	5.60	4.95	none	4/27/98	6.64	3.91	none
1/16/97	5.87	4.68	none	6/1/98	6.04	4.51	none
2/28/97	7.00	3.55	none	6/26/98	6.23	4.32	none
3/26/97	6.54	4.01	none	9/17/98	6.17	4.38	none
5/5/97	6.72	3.83	none	12/7/98	6.64	3.91	none
6/27/97	6.65	3.90	none	5/3/99	6.16	4.39	none
7/23/97	6.60	3.95	none	8/25/99	6.56	3.99	none
8/25/97	6.15	4.40	none				
9/25/97	5.11	5.44	none				
<b>SCIMW-7</b>							
TOC Elevation = 12.26							
9/9/96	8.95	3.31+	none	10/30/97	5.30	6.96	none
9/18/96	6.87	5.39	none	12/3/97	4.85	7.41	none
9/23/96	6.95	5.31	none	12/30/97	4.83	7.43	none
9/30/96	7.04	5.22	none	1/28/98	4.65	7.61	none
10/28/96	7.40	4.86	none	3/11/98	4.72	7.54	none
12/2/96	4.95	7.31	none	3/30/98	4.77	7.49	none
12/30/96	4.73	7.53	none	4/27/98	4.85	7.41	none
1/16/97	4.94	7.32	none	6/1/98	4.70	7.56	none
2/28/97	4.85	7.41	none	6/26/98	4.97	7.29	none
3/26/97	4.94	7.32	none	9/17/98	6.52	5.74	none
5/5/97	5.13	7.13	none	12/7/98	4.52	7.74	none
6/27/97	5.86	6.40	none	5/3/99	4.86	7.40	none
7/23/97	6.25	6.01	none	8/25/99	5.42	6.84	none
8/25/97	5.94	6.32	none				
9/25/97	5.93	6.33	none				
<b>SCIMW-8</b>							
TOC Elevation = 12.81							
9/9/96	5.70	7.11	none	10/30/97	5.61	7.20	none
9/18/96	5.81	7.00	none	12/3/97	5.09	7.72	none
9/23/96	5.79	7.02	none	12/30/97	4.19	8.62	none
9/30/96	5.89	6.92	none	1/28/98	--	--	--
10/17/96	5.95	6.86	none	3/11/98	--	--	--
10/28/96	6.13	6.68	none	3/30/98	--	--	--
12/2/96	5.39	7.42	none	4/27/98	5.06	7.75	none
12/30/96	4.98	7.83	none	6/1/98	4.18	8.63	none
1/16/97	5.11	7.70	none	6/26/98	5.17	7.64	none
2/28/97	5.42	7.39	none	9/17/98	5.56	7.25	none
3/26/97	5.39	7.42	none	12/7/98	5.17	7.64	none
5/5/97	5.40	7.41	none	5/3/99	5.13	7.68	none
6/27/97	5.45	7.36	none	8/25/99	6.95	5.86	none
7/23/97	--	--	--				
8/25/97	5.21	7.60	none				
9/25/97	5.49	7.32	none				

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TABLE 2  
SUMMARY OF GROUNDWATER ELEVATION DATA  
NINTH AVENUE TERMINAL STUDY AREA

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)
<b>SCIMW-9 TOC Elevation = 11.32</b>							
9/9/96	4.92	6.40	none	10/30/97	4.90	6.42	none
9/18/96	4.94	6.38	none	12/3/97	--	--	--
9/23/96	4.94	6.38	none	12/30/97	4.60	6.72	none
9/30/96	4.92	6.40	none	1/28/98	4.40	6.92	none
10/17/96	4.97	6.35	none	3/11/98	4.11	7.21	none
10/28/96	5.07	6.25	none	3/30/98	4.38	6.94	none
12/2/96	4.71	6.61	none	4/27/98	4.35	6.97	none
12/30/96	4.51	6.81	none	6/1/98	4.08	7.24	none
1/16/97	4.66	6.66	none	6/26/98	4.42	6.90	none
3/26/97	4.60	6.72	none	9/17/98	4.68	6.64	none
5/5/97	4.65	6.67	none	12/7/98	4.52	6.80	none
6/27/97	4.71	6.61	none	5/3/99	4.51	6.81	none
7/23/97	4.77	6.55	none	8/25/99	4.72	6.60	none
8/25/97	4.72	6.60	none				
9/25/97	--	--	--				
<b>SCIMW-10 TOC Elevation = 12.56</b>							
9/9/96	4.61	7.95	none	9/25/97	5.90	6.66	none
9/18/96	4.87	7.69	none	10/30/97	6.60	5.96	none
9/23/96	4.81	7.75	none	12/3/97	--	--	--
9/30/96	4.91	7.65	none	12/30/97	6.10	6.46	none
10/17/96	5.03	7.53	none	1/28/98	4.97	7.59	none
10/28/96	5.31	7.25	none	3/11/98	--	--	--
12/2/96	5.15	7.41	none	3/30/98	5.36	7.20	none
12/30/96	4.60	7.96	none	4/27/98	5.21	7.35	none
1/16/97	4.69	7.87	none	6/1/98	5.18	7.38	none
2/28/97	4.47	8.09	none	6/26/98	5.17	7.39	none
3/26/97	4.33	8.23	none	9/17/98	4.92	7.64	none
5/5/97	4.21	8.35	none	12/7/98	6.07	6.49	none
6/27/97	5.71	6.85	none	5/3/99	5.25	7.31	none
7/23/97	5.96	6.60	none	8/25/99	6.65	5.91	trace
8/25/97	6.07	6.49	none				
<b>SCIMW-11 TOC Elevation = 9.49 Tidally Influenced</b>							
9/9/96	5.66	3.83	none	10/30/97	3.81	5.68	none
9/18/96	6.39	3.10	none	12/3/97	4.85	4.64	none
9/23/96	4.12	5.37	none	12/30/97	1.63	7.86	none
9/30/96	6.24	3.25	none	1/28/98	3.64	5.85	none
10/28/96	5.46	4.03	none	3/11/98	3.37	6.12	none
12/2/96	6.03	3.46	none	3/30/98	7.02	2.47	none
12/30/96	3.56	5.93	none	4/27/98	7.33	2.16	none
1/16/97	5.17	4.32	none	6/1/98	--	--	--
2/28/97	6.60	2.89	none	6/26/98	--	--	--
3/26/97	6.85	2.64	none	9/23/98	4.77	4.72	none
5/5/97	6.94	2.55	none	12/7/98	6.17	3.32	none
6/27/97	5.94	3.55	none	5/3/99	6.01	3.48	none
7/23/97	7.18	2.31	none	8/25/99	4.31	5.18	none
8/25/97	5.04	4.45	none				
9/25/97	3.31	6.18	none				

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TABLE 2  
SUMMARY OF GROUNDWATER ELEVATION DATA  
NINTH AVENUE TERMINAL STUDY AREA

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)
<b>SCIMW-12</b> TOC Elevation = 10.94				<b>Tidally Influenced</b>			
9/9/96	6.85	4.09	none	9/25/97	4.69	6.25	none
9/18/96	7.24	3.70	none	10/30/97	5.24	5.70	none
9/23/96	5.59	5.35	none	12/3/97	6.53	4.41	none
9/30/96	7.26	3.68	none	12/30/97	2.90	8.04	none
10/28/96	7.00	3.94	none	1/28/98	5.11	5.83	none
12/2/96	7.31	3.63	none	3/11/98	4.83	6.11	none
12/30/96	5.12	5.82	none	3/30/98	7.22	3.72	none
1/16/97	6.41	4.53	none	4/27/98	7.23	3.71	none
2/28/97	7.19	3.75	none	6/1/98	7.00	3.94	none
3/26/97	7.24	3.70	none	6/1/98	7.20	3.74	none
5/5/97	7.26	3.68	none	9/17/98	6.80	4.14	none
6/27/97	7.09	3.85	none	12/7/98	7.21	3.73	none
7/23/97	7.24	3.70	none	5/3/99	7.19	3.75	none
8/25/97	6.61	4.33	none	8/25/99	6.91	4.03	none
<b>SCIMW-13</b> TOC Elevation = 12.56							
9/9/96	5.35	7.21	none	10/30/97	5.75	6.81	none
9/18/96	5.47	7.09	none	12/3/97	5.55	7.01	none
9/23/96	5.51	7.05	none	12/30/97	5.43	7.13	none
9/30/96	4.94	7.62	none	1/28/98	5.08	7.48	none
10/17/96	5.70	6.86	none	3/11/98	4.46	8.10	none
10/28/96	5.86	6.70	none	3/30/98	4.42	8.14	none
12/2/96	5.91	6.65	none	4/27/98	4.22	8.34	none
12/30/96	5.70	6.86	none	6/1/98	4.24	8.32	none
1/16/97	5.63	6.93	none	6/26/98	4.25	8.31	none
2/28/97	5.31	7.25	none	9/17/98	5.14	7.42	none
3/26/97	5.14	7.42	trace	12/7/98	5.78	6.78	none
5/5/97	4.99	7.57	none	5/3/99	4.61	7.95	none
6/27/97	4.92	7.64	none	8/25/99	5.32	7.24	none
7/23/97	--	--	--				
8/25/97	--	--	--				
9/25/97	5.14	7.42	none				
<b>SCIMW-14</b> TOC Elevation = 13.64							
9/9/96	8.28	5.36	none	10/30/97	8.17	5.47	none
9/18/96	8.50	5.14	none	12/3/97	7.58	6.06	none
9/23/96	8.18	5.46	none	12/30/97	7.52	6.12	none
9/30/96	8.41	5.23	none	1/28/98	7.19	6.45	none
10/28/96	8.43	5.21	none	3/11/98	7.21	6.43	none
12/2/96	8.56	5.08	none	3/30/98	7.41	6.23	none
12/30/96	7.89	5.75	none	4/27/98	7.99	5.65	none
1/16/97	8.00	5.64	none	6/1/98	7.59	6.05	none
2/28/97	8.48	5.16	none	6/26/98	8.07	5.57	none
3/26/97	8.34	5.30	none	9/17/98	8.16	5.48	none
5/5/97	8.30	5.34	none	12/7/98	7.73	5.91	none
6/27/97	8.20	5.44	none	5/3/99	7.64	6.00	none
7/23/97	8.30	5.34	none	8/25/99	7.95	5.69	none
8/25/97	8.09	5.55	none				
9/25/97	7.81	5.83	none				

TABLE 2  
SUMMARY OF GROUNDWATER ELEVATION DATA  
NINTH AVENUE TERMINAL STUDY AREA

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)
<b>SCIMW-15 TOC Elevation = 13.45</b>							
9/9/96	8.60	4.85	none	10/30/97	--	--	--
9/18/96	8.61	4.84	none	12/3/97	8.21	5.24	none
9/23/96	8.62	4.83	none	12/30/97	8.23	5.22	none
9/30/96	8.51	4.94	none	1/28/98	8.14	5.31	none
10/28/96	8.72	4.73	none	3/11/98	--	--	--
12/2/96	8.91	4.54	none	3/30/98	--	--	--
12/30/96	8.36	5.09	none	4/27/98	--	--	--
1/16/97	8.44	5.01	none	6/1/98	8.11	5.34	none
2/28/97	8.54	4.91	none	6/26/98	8.00	5.45	none
3/26/97	8.57	4.88	none	9/17/98	8.28	5.17	none
5/5/97	8.73	4.72	none	12/7/98	8.63	4.82	none
6/27/97	8.42	5.03	none	5/3/99	8.30	5.15	none
7/23/97	8.28	5.17	none	8/25/99	8.75	4.70	none
8/25/97	8.31	5.14	none				
9/25/97	8.32	5.13	none				
<b>SCIMW-16 TOC Elevation = 10.40</b>							
9/9/96	3.59	6.81	none	10/30/97	3.19	7.21	none
9/18/96	3.46	6.94	none	12/3/97	3.22	7.18	none
9/23/96	3.44	6.96	none	12/30/97	--	--	--
9/30/96	3.44	6.96	none	1/28/98	--	--	--
10/28/96	4.39	6.01	none	3/11/98	3.23	7.17	none
12/2/96	3.64	6.76	none	3/30/98	3.24	7.16	none
12/30/96	3.19	7.21	none	4/27/98	3.26	7.14	none
1/16/97	3.37	7.03	none	6/1/98	3.10	7.30	none
2/28/97	3.47	6.93	none	6/26/98	3.07	7.33	none
3/26/97	3.39	7.01	none	9/17/98	3.36	7.04	none
5/5/97	3.27	7.13	none	12/7/98	3.83	6.57	none
6/27/97	3.27	7.13	none	5/3/99	3.72	6.68	none
7/23/97	3.39	7.01	none	8/25/99	5.65	4.75	none
8/25/97	3.11	7.29	none				
9/25/97	3.35	7.05	none				
<b>SCIMW-17 TOC Elevation = 10.14</b>							
9/9/96	3.59	6.55	none	10/30/97	3.17	6.97	none
9/18/96	2.83	7.31	none	12/3/97	4.94	5.20+	none
9/23/96	2.96	7.18	none	12/30/97	2.67	7.47	none
9/30/96	3.00	7.14	none	1/28/98	2.25	7.89	none
10/28/96	3.04	7.10	none	3/11/98	2.25	7.89	none
12/2/96	2.86	7.28	none	3/30/98	2.35	7.79	none
12/30/96	0.18	9.96	none	4/27/98	2.36	7.78	none
1/16/97	2.47	7.67	none	6/1/98	2.27	7.87	none
2/28/97	2.63	7.51	none	6/26/98	4.51	5.63	none
3/26/97	2.51	7.63	none	9/17/98	3.20	6.94	none
5/5/97	2.63	7.51	none	12/7/98	3.66	6.48	none
6/27/97	1.87	8.27	none	5/3/99	3.02	7.12	none
7/23/97	5.61	4.53+	none	8/25/99	4.95	5.19	none
8/25/97	3.65	6.49	none				
9/25/97	5.50	4.64+	none				



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TABLE 2  
SUMMARY OF GROUNDWATER ELEVATION DATA  
NINTH AVENUE TERMINAL STUDY AREA

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<b>SCIMW-18 TOC Elevation = 10.81</b>							
9/9/96	5.59	5.22+	none	10/30/97	3.97	6.84	none
9/18/96	3.86	6.95	none	12/3/97	3.85	6.96	none
9/23/96	3.82	6.99	none	12/30/97	3.83	6.98	none
9/30/96	3.85	6.96	none	1/28/98	3.57	7.24	none
10/17/96	4.00	6.81	none	3/11/98	3.40	7.41	none
10/28/96	4.18	6.63	none	3/30/98	3.36	7.45	none
12/2/96	4.06	6.75	none	4/27/98	3.15	7.66	none
12/30/96	3.60	7.21	none	6/1/98	3.09	7.72	none
1/16/97	3.83	6.98	none	6/26/98	3.15	7.66	none
2/28/97	3.56	7.25	none	9/17/98	3.58	7.23	none
3/26/97	4.70	6.11	none	12/7/98	4.01	6.80	none
5/5/97	3.36	7.45	none	5/3/99	3.25	7.56	none
6/27/97	3.17	7.64	none	8/25/99	5.85	4.96	none
7/23/97	3.42	7.39	none				
8/25/97	3.49	7.32	none				
9/25/97	3.42	7.39	none				
<b>SCIMW-19 TOC Elevation = 10.46</b>							
9/9/96	4.30	6.16	none	10/30/97	4.12	6.34	none
9/18/96	4.36	6.10	none	12/3/97	3.11	7.35	none
9/23/96	4.32	6.14	none	12/30/97	3.52	6.94	none
9/30/96	4.23	6.23	none	1/28/98	2.91	7.55	none
10/28/96	4.45	6.01	none	3/11/98	3.08	7.38	none
12/2/96	3.54	6.92	none	3/30/98	3.16	7.30	none
12/30/96	2.59	7.87	none	4/27/98	3.38	7.08	none
1/16/97	3.04	7.42	none	6/1/98	3.00	7.46	none
2/28/97	3.69	6.77	none	6/26/98	3.58	6.88	none
3/26/97	3.69	6.77	none	9/17/98	4.08	6.38	none
5/5/97	3.82	6.64	none	12/7/98	3.24	7.22	none
6/27/97	3.94	6.52	none	5/3/99	3.54	6.92	none
7/23/97	3.89	6.57	none	8/25/99	4.60	5.86	none
8/25/97	3.78	6.68	none				
9/25/97	4.02	6.44	none				
<b>SCIMW-20 TOC Elevation = 9.11</b>							
9/9/96	2.08	7.03	none	10/30/97	2.02	7.09	none
9/18/96	2.27	6.84	none	12/3/97	1.38	7.73	none
9/23/96	2.26	6.85	none	12/30/97	1.61	7.50	none
9/30/96	2.34	6.77	none	1/28/98	1.30	7.81	none
10/28/96	2.68	6.43	none	3/11/98	1.35	7.76	none
12/2/96	1.45	7.66	none	3/30/98	1.43	7.68	none
12/30/96	1.12	7.99	none	4/27/98	1.51	7.60	none
1/16/97	1.44	7.67	none	6/1/98	1.29	7.82	none
2/28/97	1.60	7.51	none	6/26/98	1.76	7.35	none
3/26/97	1.54	7.57	none	9/17/98	2.32	6.79	none
5/5/97	1.65	7.46	none	12/7/98	1.71	7.40	none
6/27/97	1.92	7.19	none	5/3/99	1.42	7.69	none
7/23/97	2.05	7.06	none	8/25/99	2.19	6.92	none
8/25/97	1.62	7.49	none				
9/25/97	1.88	7.23	none				

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TABLE 2  
SUMMARY OF GROUNDWATER ELEVATION DATA  
NINTH AVENUE TERMINAL STUDY AREA

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<b>SCIMW-21</b>				<b>TOC Elevation = 9.67</b>			
5/5/97	2.23	7.44	none	3/11/98	1.27	8.40	none
6/27/97	2.40	7.27	none	3/30/98	1.35	8.32	none
7/23/97	2.75	6.92	none	4/27/98	1.41	8.26	none
8/25/97	2.87	6.80	none	6/1/98	1.16	8.51	none
9/25/97	3.00	6.67	none	6/26/98	1.76	7.91	none
10/30/97	3.16	6.51	none	9/17/98	2.13	7.54	none
12/3/97	2.21	7.46	none	12/7/98	1.71	7.96	none
12/30/97	2.11	7.56	none	5/3/99	1.35	8.32	none
1/28/98	1.67	8.00	none	8/25/99	1.35	8.32	none
<b>SCIMW-22</b>				<b>TOC Elevation = 12.00</b>			
5/5/97	3.78	8.22	none	3/30/98	3.87	8.13	none
6/27/97	4.10	7.90	none	4/27/98	4.21	7.79	none
7/23/97	4.34	7.66	none	6/1/98	3.59	8.41	none
8/25/97	4.04	7.96	none	6/26/98	4.21	7.79	none
9/25/97	4.31	7.69	none	9/17/98	4.76	7.24	none
10/30/97	4.39	7.61	none	12/7/98	3.93	8.07	none
12/3/97	4.05	7.95	none	5/3/99	4.34	7.66	none
12/30/97	4.48	7.52	none	8/25/99	5.71	6.29	none
1/28/98	4.03	7.97	none				
3/11/98	4.07	7.93	none				
<b>SCIMW-23</b>				<b>TOC Elevation = 9.74</b>			
				<b>Slight Tidal Influence</b>			
5/5/97	4.19	5.55	none	3/30/98	3.35	6.39	none
6/27/97	4.10	5.64	none	4/27/98	--	--	--
7/23/97	4.43	5.31	none	6/1/98	--	--	--
8/25/97	4.37	5.37	none	6/26/98	--	--	--
9/25/97	--	--	--	9/17/98	4.28	5.46	none
10/30/97	4.27	5.47	none	12/10/98	3.35	6.39	none
12/3/97	3.24	6.50	none	5/3/99	3.65	6.09	none
12/30/97	3.52	6.22	none	8/25/99	4.35	5.39	none
1/28/98	3.02	6.72	none				
3/11/98	3.32	6.42	none				
<b>SCIMW-24</b>				<b>TOC Elevation = 9.74</b>			
				<b>Slight Tidal Influence</b>			
5/5/97	5.30	4.44	none	3/30/98	4.23	5.51	none
6/27/97	4.85	4.89	none	4/27/98	4.55	5.19	none
7/23/97	4.79	4.95	none	6/1/98	3.96	5.78	none
8/25/97	4.28	5.46	none	6/26/98	4.21	5.53	none
9/25/97	4.45	5.29	none	9/17/98	4.78	4.96	none
10/30/97	4.67	5.07	none	12/7/98	3.95	5.79	none
12/3/97	3.63	6.11	none	5/3/99	4.60	5.14	none
12/30/97	3.58	6.16	none	8/25/99	5.15	4.59	0.50
1/28/98	3.58	6.16	none				
3/11/98	--	--	--				
<b>SCIMW-25</b>				<b>TOC Elevation = 8.30</b>			
5/5/97	1.00	7.30	none	3/30/98	0.65	7.65	none
6/27/97	2.11	6.19	none	4/27/98	0.73	7.57	none
7/23/97	1.94	6.36	none	6/1/98	0.55	7.75	none
8/25/97	1.53	6.77	none	6/26/98	0.75	7.55	none
9/25/97	1.46	6.84	none	9/17/98	1.11	7.19	none
10/30/97	1.08	7.22	none	12/7/98	0.86	7.44	none
12/3/97	0.87	7.43	none	5/3/99	0.88	7.42	none
12/30/97	0.83	7.47	none	8/25/99	1.23	7.07	none
1/28/98	0.70	7.60	none				
3/11/98	0.50	7.80	none				

**TABLE 2**  
**SUMMARY OF GROUNDWATER ELEVATION DATA**  
**NINTH AVENUE TERMINAL STUDY AREA**

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)
<b>SCIMW-26 TOC Elevation = 11.33</b>							
5/5/97	3.18	8.15	none	3/30/98	4.13	7.20	none
6/27/97	3.31	8.02	none	4/27/98	3.93	7.40	none
7/23/97	3.46	7.87	none	6/1/98	3.56	7.77	none
8/25/97	3.21	8.12	none	6/26/98	3.65	7.68	none
9/25/97	3.42	7.91	none	9/17/98	3.92	7.41	none
10/30/97	3.56	7.77	none	12/7/98	3.25	8.08	none
12/3/97	2.55	8.78	none	5/3/99	3.68	7.65	none
12/30/97	3.25	8.08	none	8/25/99	3.61	7.72	none
1/28/98	2.93	8.40	none				
3/11/98	3.98	7.35	none				
<b>SCIMW-27 TOC Elevation = 11.43</b>							
5/5/97	4.98	6.45	none	3/30/98	4.71	6.72	none
6/27/97	4.85	6.58	none	4/27/98	4.53	6.90	none
7/23/97	4.80	6.63	none	6/1/98	4.74	6.69	none
8/25/97	4.81	6.62	none	6/26/98	4.74	6.69	none
9/25/97	4.85	6.58	none	9/17/98	4.85	6.58	none
10/30/97	4.91	6.52	none	12/7/98	4.77	6.66	none
12/3/97	4.74	6.69	none	5/4/99	4.91	6.52	none
12/30/97	4.75	6.68	none	8/25/99	4.95	6.48	none
1/28/98	4.37	7.06	none				
3/11/98	4.70	6.73	none				
<b>SCIMW-28 TOC Elevation = 13.30</b>							
5/5/97	4.96	8.34	none	3/30/98	4.27	9.03	none
6/27/97	5.12	8.18	none	4/27/98	4.41	8.89	none
7/23/97	--	--	--	6/1/98	4.25	9.05	none
8/25/97	5.04	8.26	none	6/26/98	4.70	8.60	none
9/25/97	5.23	8.07	none	9/17/98	5.47	7.83	none
10/30/97	5.39	7.91	none	12/7/98	4.64	8.66	none
12/3/97	4.47	8.83	none	5/3/99	4.32	8.98	none
12/30/97	4.72	8.58	none	8/25/99	5.44	7.86	none
1/28/98	4.16	9.14	none				
3/11/98	4.20	9.10	none				
<b>SCIMW-29 TOC Elevation = 13.18</b>							
5/15/97	5.70	7.48	none	3/30/98	5.37	7.81	none
6/27/97	5.58	7.60	none	4/27/98	5.48	7.70	none
7/23/97	5.63	7.55	none	6/1/98	5.26	7.92	none
8/25/97	5.56	7.62	none	6/26/98	5.50	7.68	none
9/25/97	5.61	7.57	none	9/17/98	5.67	7.51	none
10/30/97	5.63	7.55	none	12/7/98	5.24	7.94	none
12/3/97	5.23	7.95	none	5/3/99	5.55	7.63	none
12/30/97	5.52	7.66	none	8/25/99	5.95	7.23	none
1/28/98	5.29	7.89	none				
3/11/98	5.37	7.81	none				
<b>SCIMW-30 TOC Elevation = 12.34</b>							
10/30/97	4.81	7.53	none	12/7/98	4.39	7.95	none
12/3/97	3.99	8.35	none	5/3/99	4.45	7.89	none
12/30/97	4.26	8.08	none	8/25/99	4.95	7.39	none
1/28/98	3.75	8.59	none				
3/11/98	3.81	8.53	none				
3/30/98	4.21	8.13	none				
4/27/98	4.35	7.99	none				
6/1/98	4.15	8.19	none				
6/26/98	4.51	7.83	none				
9/17/98	4.71	7.63	none				

TABLE 2  
SUMMARY OF GROUNDWATER ELEVATION DATA  
NINTH AVENUE TERMINAL STUDY AREA

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)
Extends into Merrit Sand Formation below estuarine deposits. Displays confined aquifer characteristics.							
<b>SCIMW-31D</b>	<b>TOC Elevation = 11.92</b>						
10/30/97	7.69	4.23	none	12/7/98	7.90	4.02	none
12/3/97	7.58	4.34	none	5/3/99	7.91	4.01	none
12/30/97	7.47	4.45	none	8/25/99	7.85	4.07	none
1/28/98	7.37	4.55	none				
3/11/98	7.20	4.72	none				
3/30/98	7.35	4.57	none				
4/27/98	7.54	4.38	none				
6/1/98	7.57	4.35	none				
6/26/98	7.63	4.29	none				
9/17/98	7.58	4.34	none				
Tidally Influenced							
<b>SCIMW-32</b>	<b>TOC Elevation = 12.75</b>						
10/30/97	5.02	7.73	none	12/7/98	4.51	8.24	none
12/3/97	4.50	8.25	none	5/3/99	4.32	8.43	none
12/30/97	4.59	8.16	none	8/25/99	7.8	4.95	none
1/28/98	--	--	--				
3/11/98	4.17	8.58	none				
3/30/98	4.39	8.36	none				
4/27/98	4.34	8.41	none				
6/1/98	4.33	8.42	none				
6/26/98	4.53	8.22	none				
9/17/98	5.04	7.71	none				
Tidally Influenced							
<b>SCIMW-33</b>	<b>TOC Elevation = 11.47</b>						
10/30/97	4.58	6.89	none	12/7/98	4.21	7.26	none
12/3/97	4.11	7.36	none	5/3/99	4.00	7.47	none
12/30/97	4.07	7.40	none	8/25/99	4.60	6.87	none
1/28/98	4.03	7.44	none				
3/11/98	4.02	7.45	none				
3/30/98	4.00	7.47	none				
4/27/98	3.96	7.51	none				
6/1/98	3.86	7.61	none				
6/26/98	4.05	7.42	none				
9/17/98	4.32	7.15	none				
Tidally Influenced							
<b>SCIMW-34</b>	<b>TOC Elevation = 10.93</b>						
10/30/97	6.05	4.88	none	12/7/98	6.02	4.91	none
12/3/97	5.48	5.45	none	5/3/99	6.44	4.49	none
12/30/97	5.43	5.50	none	8/25/99	6.86	4.07	none
1/28/98	5.30	5.63	none				
3/11/98	6.01	4.92	none				
3/30/98	5.82	5.11	none				
4/27/98	6.14	4.79	none				
6/1/98	6.05	4.88	none				
6/26/98	5.81	5.12	none				
9/17/98	6.06	4.87	none				
Tidally Influenced							
<b>SCIMW-35</b>	<b>TOC Elevation = 10.10</b>						
10/30/97	5.23	4.87	none	12/7/98	4.95	5.15	none
12/3/97	4.06	6.04	none	5/3/99	5.60	4.50	none
12/30/97	4.01	6.09	none	8/25/99	5.95	4.15	none
1/28/98	4.30	5.80	none				
3/11/98	4.98	5.12	none				
3/30/98	4.90	5.20	none				
4/27/98	5.23	4.87	none				
6/1/98	5.01	5.09	none				
6/26/98	4.97	5.13	none				
9/17/98	5.36	4.74	none				

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**TABLE 2**  
**SUMMARY OF GROUNDWATER ELEVATION DATA**  
**NINTH AVENUE TERMINAL STUDY AREA**

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)
<b>Oil Filled Manhole</b>		<b>TOC Elevation = 12.39</b>		<b>Hydraulically connected to Bay water.</b>		<b>Tidally Influenced.</b>	
12/30/96	6.22	6.17	trace	1/28/98	6.00	6.39	trace
1/16/97	8.00	4.39	0.01	3/11/98	5.92	6.47	trace
2/28/97	8.42	3.97	0.01	3/30/98	8.33	4.06	trace
3/26/97	8.42	3.97	trace	4/27/98	8.50	3.89	trace
5/5/97	8.51	3.88	0.06	6/1/98	8.33	4.06	trace
6/27/97	8.42	3.97	trace	6/26/98	8.42	3.97	trace
7/23/97	8.42	3.97	trace	9/17/98	8.42	3.97	trace
8/25/97	7.67	4.72	trace	12/7/98	8.33	4.06	trace
9/25/97	6.17	6.22	trace	5/2/98	7.0 to 8.0	-	0.50
10/30/97	6.42	5.97	0.00	8/25/99	-	-	4.50
12/3/97	8.08	4.31	0.00				
12/30/97	4.50	7.89	trace				

**Notes:**

All elevations presented reference the Port of Oakland datum

-- = Inaccessible

NA = Data not available

+ = Elevation is probably not static

TABLE 3  
 ECOLOGICAL PARAMETER RESULTS  
 IN GROUNDWATER  
 NINTH AVENUE TERMINAL STUDY AREA

SAMPLE DESIGNATION	CONSULTANT	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Port of Oak, Datum (FEET)	pH field, before sampling	pH laboratory	Eh field, before purge (mV)	Eh field, before sampling (mV)	Eh laboratory (mV)	TDS field, before purge (mg/L)	TDS laboratory (mg/L)	DISSOLVED ORGANIC CARBON (mg/L)	TOTAL ORGANIC CARBON (mg/L)	DISSOLVED OXYGEN field, before purge (mg/L)	DISSOLVED OXYGEN laboratory (mg/L)
MW-1	SCI	F	9/25/98	4.68	6.85	--	--	--	--	--	--	--	--	--	--
MW-2	SCI	F	9/23/98	5.29	6.74	--	-53.00	--	--	--	--	--	--	0.1	--
MW-3	SCI	F	9/29/98	5.83	7.51	--	--	--	--	--	--	--	--	--	--
MW-5	SCI	F	9/23/98	6.40	6.75	--	-71.00	--	--	--	--	--	--	0.1	--
MW-5	SCI	F	5/7/99	6.59	6.66	--	-18.50	-41.00	--	1,049	--	--	--	4.2	--
SCIMW-1	SCI	E/H	9/22/98	5.02	6.99	--	-129.00	--	--	--	--	--	--	0.3	--
SCIMW-2	SCI	N	9/18/98	4.07	7.13	5.8	43.00	--	-31	12,600	--	4.4	--	0.1	1.2
SCIMW-2	SCI	N	12/10/98	3.52	6.95	6.6	96.60	41.50	63	6,180	--	5.4	--	1.6	2.6
SCIMW-2	SCI	N	5/6/99	4.52	7.36	--	36.80	-11.03	--	8,082	4,710	9.9	--	4.6	--
SCIMW-2	SCI	N	8/26/99	3.00	7.17	--	16.10	-74.60	--	12,192	12,300	4.7	--	1.9	--
SCIMW-3	SCI	I/J	9/18/98	4.29	6.81	--	-154.00	--	--	--	--	--	--	0.1	--
SCIMW-4	SCI	L	9/22/98	6.20	6.83	--	-127.00	--	--	--	--	--	--	0.2	--
SCIMW-5	SCI	M	9/17/98	5.78	6.75	--	--	--	--	--	--	--	--	--	--
SCIMW-5	SCI	M	12/17/98	5.64	6.81	--	130.60	--	--	--	--	--	--	2.4	--
SCIMW-5	SCI	M	5/6/99	5.26	6.65	--	330.60	-36.90	--	16,030	--	--	--	0.6	--
SCIMW-5	SCI	M	8/26/99	4.48	7.79	--	198.50	-89.90	--	20,569	--	--	--	2.7	--
SCIMW-6	SCI	C	9/23/98	4.38	7.02	6.2	270.00	--	223	0	--	--	<1.0	4.1	2.6
SCIMW-6	SCI	C	12/10/98	3.91	7.19	6.7	42.00	125.00	189	21,600	--	<1.0	--	7.5	4.3
SCIMW-6	SCI	C	5/6/99	4.39	7.27	--	56.60	200.00	--	16,630	17,700	1.9	--	5.5	--
SCIMW-6	SCI	C	8/26/99	6.56	7.11	--	140.60	176.40	--	23,244	23,500	<1.0	--	6.4	--
SCIMW-7	SCI	P/Q	9/17/98	5.74	6.78	--	-155.00	--	--	--	--	--	--	0.1	--
SCIMW-7	SCI	P/Q	5/6/99	7.40	6.58	--	-82.90	-108.40	--	12,500	--	--	--	8.5	--
SCIMW-8	SCI	I	9/18/98	7.25	6.70	--	-146.00	--	--	--	--	--	--	0.2	--
SCIMW-9	SCI	I	9/21/98	6.64	6.67	--	-127.00	--	--	--	--	--	--	0.2	--
SCIMW-10	SCI	J	9/18/98	7.64	6.92	--	-257.00	--	--	--	--	--	--	0.1	--
SCIMW-11	SCI	N	9/23/98	4.72	7.01	6.5	-158.00	--	123	7,260	--	--	6.3	0.2	3.5
SCIMW-11	SCI	N	12/10/98	3.32	7.12	6.8	-55.40	-123.80	-29	7,600	--	7.3	--	1.5	3.3
SCIMW-11	SCI	N	5/6/99	3.48	7.21	--	358.10	39.80	--	4,511	3,880	12	6.5	2.6	--
SCIMW-11	SCI	N	8/26/99	4.31	7.28	--	145.50	139.90	--	21,644	6,530	6.5	--	4.5	--



TABLE 3  
 ECOLOGICAL PARAMETER RESULTS  
 IN GROUNDWATER  
 NINTH AVENUE TERMINAL STUDY AREA

SAMPLE DESIGNATION	CONSULTANT	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Port of Oak Datum (FEET)	pH field, before sampling	pH laboratory	Eh field, before purge (mV)	Eh field, before sampling (mV)	Eh laboratory (mV)	TDS field, before purge (mg/L)	TDS laboratory (mg/L)	DISSOLVED ORGANIC CARBON (mg/L)	TOTAL ORGANIC CARBON (mg/L)	DISSOLVED OXYGEN field, before purge (mg/L)	DISSOLVED OXYGEN laboratory (mg/L)
SCIMW-12	SCI	O	9/18/98	4.14	7.13	6.0	25.00	--	132	24,700	--	<1.0	--	4.2	5.0
SCIMW-12	SCI	O	12/11/98	3.73	7.10	6.5	52.60	47.50	252	27,300	--	<1.0	--	--	5.4
SCIMW-12	SCI	O	12/11/98	3.73	7.10	6.5	52.60	47.50	252	27,300	--	<1.0	--	--	5.4
SCIMW-12	SCI	O	5/7/99	3.75	7.09	--	320.10	373.90	--	19,060	23,900	2.4	--	8.3	--
SCIMW-12	SCI	O	8/26/99	6.91	7.29	--	149.40	140.10	--	22,904	19,800	<1.0	--	4.8	--
SCIMW-13	SCI	J	9/18/98	7.42	6.78	--	-280.00	--	--	--	--	--	--	0.1	--
SCIMW-14	SCI	I/J	9/18/98	5.48	6.75	6.1	-116.00	--	140	3,190	--	23	--	0.2	2.7
SCIMW-14	SCI	I/J	12/11/98	5.91	7.00	6.8	42.30	-81.10	100	5,600	--	14	--	--	4.2
SCIMW-14	SCI	I/J	5/7/99	6.00	7.04	--	385.90	-87.20	--	1,779	1,970	--	--	--	--
SCIMW-14	SCI	I/J	8/26/99	7.95	7.19	--	-59.20	-77.60	--	13,657	2,930	16	--	1.8	--
SCIMW-15	SCI	I/J	9/21/98	5.17	6.79	--	-147.00	--	--	--	--	--	--	25.1	--
SCIMW-15	SCI	I/J	5/4/99	5.15	7.00	--	-102.20	-103.80	--	3,948	--	--	--	--	--
SCIMW-16	SCI	R	9/21/98	7.04	5.46	--	-160.00	--	--	--	--	--	--	0.1	--
SCIMW-16	SCI	R	5/4/99	6.68	6.90	--	-105.20	-145.10	--	18,200	--	--	--	--	--
SCIMW-17	SCI	R	9/21/98	6.94	5.13	--	-122.00	--	--	--	--	--	--	0.1	--
SCIMW-18	SCI	L	9/24/98	7.23	6.67	--	--	--	--	--	--	--	--	--	--
SCIMW-19	SCI	R	9/18/98	6.38	6.79	--	-138.00	--	--	--	--	--	--	0.1	--
SCIMW-20	SCI	H/Q	9/21/98	6.79	6.85	--	-86.00	--	--	--	--	--	--	0.2	--
SCIMW-21	SCI	D	5/6/97	7.44	--	6.9	--	--	--	--	--	--	--	--	--
SCIMW-21	SCI	D	9/22/98	7.54	6.91	6.9	228.00	--	--	--	--	--	--	0.2	--
SCIMW-22	SCI	P	5/6/97	8.22	--	6.8	--	--	--	--	--	--	--	--	--
SCIMW-22	SCI	P	9/22/98	7.24	6.58	--	-138.00	--	--	--	--	--	--	0.2	--
SCIMW-22	SCI	P	5/5/99	7.66	6.81	--	-102.20	-107.10	--	13,217	--	--	--	--	--
SCIMW-23	SCI	B	5/6/97	5.55	--	6.8	--	--	--	--	--	--	--	--	--
SCIMW-23	SCI	B	9/24/98	5.46	6.83	6.1	--	--	-50	9,940	--	8.3	--	--	1.2
SCIMW-23	SCI	B	12/11/98	6.39	6.74	6.4	-63.00	40.00	29	--	--	--	--	1.7	3.3
SCIMW-23	SCI	B	5/6/99	6.09	6.57	--	-43.30	-60.40	--	4,660	210	11	11	6.8	--
SCIMW-23	SCI	B	8/26/99	4.35	6.46	--	-89.10	-85.30	--	7,653	7,490	11	--	1.8	--
SCIMW-24	SCI	N	9/18/98	4.96	6.38	6.3	-158.00	--	-52	1,850	--	29	--	0.1	1.9
SCIMW-24	SCI	N	12/11/98	5.79	6.80	6.6	117.30	-100.60	-21	13,200	--	27	--	1.2	3.7
SCIMW-24	SCI	N	5/6/99	5.14	6.92	--	-87.20	-81.20	--	1,134	1,090	23	--	6.7	--
SCIMW-26	SCI	H	9/22/98	7.41	6.54	--	-94.00	--	--	--	--	--	--	0.1	--
SCIMW-27	SCI	E/H	9/22/98	6.58	6.85	--	-52.00	--	--	--	--	--	--	0.1	--
SCIMW-28	SCI	Q	9/23/98	7.83	6.85	--	--	--	--	--	--	--	--	--	--
SCIMW-28	SCI	Q	5/6/99	8.98	6.75	--	-55.90	-77.60	--	460	--	17	--	8.5	--

TABLE 3  
 ECOLOGICAL PARAMETER RESULTS  
 IN GROUNDWATER  
 NINTH AVENUE TERMINAL STUDY AREA

SAMPLE DESIGNATION	CONSULTANT	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Port of Oak. Datum (FEET)	pH field, before sampling	pH laboratory	Eh field, before purge (mV)	Eh field, before sampling (mV)	Eh laboratory (mV)	TDS field, before purge (mg/L)	TDS laboratory (mg/L)	DISSOLVED ORGANIC CARBON (mg/L)	TOTAL ORGANIC CARBON (mg/L)	DISSOLVED OXYGEN field, before purge (mg/L)	DISSOLVED OXYGEN laboratory (mg/L)
SCIMW-30	SCI	P	9/21/98	7.63	6.58	--	-132.00	--	--	--	--	--	--	0.1	--
SCIMW-30	SCI	P	5/5/99	7.89	6.30	--	-3.90	-109.10	--	4,777	--	--	--	--	--
SCIMW-31D	SCI	P	9/21/98	4.34	5.07	--	-20.00	--	--	--	--	--	--	0.2	--
SCIMW-31D	SCI	P	5/5/99	4.01	6.51	--	302.70	555.30	--	12,370	--	--	--	--	--
SCIMW-32	SCI	I/P	9/21/98	7.71	5.11	--	-101.00	--	--	--	--	--	--	0.1	--
SCIMW-32	SCI	I/P	5/5/99	8.43	6.24	--	-44.20	-88.40	--	2,839	--	--	--	--	--
SCIMW-33	SCI	I/J	9/21/98	7.15	4.98	--	-194.00	--	--	--	--	--	--	0.1	--
SCIMW-33	SCI	I/J	5/5/99	7.47	6.60	--	-72.90	-88.40	--	3,355	--	--	--	--	--
SCIMW-34	SCI	R	9/24/98	4.87	6.87	6.3	--	--	-15	15,000	--	12	--	--	3.3
SCIMW-34	SCI	R	12/11/98	4.91	6.78	6.5	-110.20	-60.90	118	6,520	--	11	--	2.3	5.2
SCIMW-34	SCI	R	5/5/99	4.49	6.82	--	-52.30	-43.30	--	6,775	15,500	4.9	--	--	--
SCIMW-34	SCI	R	8/26/99	6.86	6.63	--	29.40	8.60	--	13,905	11,400	5.7	--	1.36	--
SCIMW-35	SCI	R	9/23/98	4.74	6.76	--	125.00	--	--	--	--	--	--	3.1	--
SCIMW-35	SCI	R	12/11/98	5.15	6.88	--	41.00	-7.10	--	--	--	--	--	1.8	--
SCIMW-35	SCI	R	5/5/99	4.50	6.76	--	83.00	64.00	--	2,382	--	--	--	--	--
SCIMW-35	SCI	R	8/26/99	5.95	6.98	--	96.60	3.28	--	9,283	--	--	--	2.61	--

Notes:

Eh = Redox potential or oxidizing-reduction potential

TDS = Total Dissolved Solids

mV = millivolts

mg/L = milligrams per Liter

Groundwater elevation measurements presented are those collected on the first day of sampling for the event and may not be the same as the date sampled.

TABLE 4  
 PETROLEUM HYDROCARBON, BTEX, PESTICIDE AND PCB  
 CONCENTRATIONS IN GROUNDWATER  
 NINTH AVENUE TERMINAL STUDY AREA

SAMPLE DESIGNATION	CONSULTANT	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Port of Oak. Datum (FEET)	OIL & GREASE (µg/L)	TVH as GAS (µg/L)	TEH as DIESEL (µg/L)	TEH as MOTOR OIL (µg/L)	BENZENE (µg/L)	ETHYL-BENZENE (µg/L)	TOLUENE (µg/L)	TOTAL XYLENES (µg/L)	4,4'-DDD (µg/L)	4,4'-DDE (µg/L)	4,4'-DDT (µg/L)	OTHER HERBS/ PESTS (µg/L)	AROCLOR-1260 (µg/L)	OTHER PCBs (µg/L)
MW-1	Uribe	F	4/4/94	5.90	--	<50	510	--	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--
MW-1	Uribe	F	10/3/94	4.36	--	--	390y	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--
MW-1	Clayton	F	4/10/95	5.05	--	<50	330	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--
MW-1	Clayton	F	7/24/95	4.97	--	<50	230	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--
MW-1	Clayton	F	11/10/95	4.47	--	<50	430	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--
MW-1	Clayton/SCI	F	2/20/96	5.50	--	<50	590yh	--	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--
MW-1	SCI	F	5/24/96	4.95	--	<50	870yh	630y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
MW-1	SCI	F	9/6/96	4.34	--	<50	850yh	490yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
MW-1	SCI	F	12/5/96	5.19	--	<50	4,500yh	2,100yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
MW-1	SCI	F	9/25/98	4.68	--	--	<47	<280	--	--	--	--	--	--	--	--	--	--
MW-2	Uribe	F	4/4/94	5.31	--	<50	1800	--	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--
MW-2	Uribe	F	10/5/94	5.39	--	--	1,200y	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--
MW-2	Clayton	F	4/10/95	6.29	--	<50	550	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--
MW-2	Clayton	F	7/24/95	5.91	--	70	960	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--
MW-2	Clayton	F	11/10/95	5.73	--	<50	920	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--
MW-2	Clayton/SCI	F	2/20/96	6.51	--	<50	1,700h	--	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--
MW-2	SCI	F	5/24/96	5.91	--	<50	2,800yh	1,200y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
MW-2	SCI	F	9/5/96	6.34	--	58z	2,900	760yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
MW-2	SCI	F	12/4/96	6.02	--	<50	1,600y	1,000yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
MW-2	SCI	F	9/23/98	5.29	--	--	80yl	<300	--	--	--	--	--	--	--	--	--	--
MW-3	Uribe	F	4/4/94	5.95	--	<50	690	--	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--
MW-3	Uribe	F	10/4/94	4.74	--	--	480y	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--
MW-3	Clayton	F	4/10/95	2.54	--	<50	830	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--
MW-3	Clayton	F	7/24/95	6.56	--	<50	460	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--
MW-3	Clayton	F	11/10/95	5.07	--	<50	2,100	--	<0.4	<0.3	0.7	<0.4	--	--	--	--	--	--
MW-3	Clayton/SCI	F	2/20/96	6.04	--	<50	620h	--	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--
MW-3	SCI	F	5/24/96	5.69	--	<50	1,100yh	550y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
MW-3	SCI	F	9/18/96	3.76	--	<50	1,500	890yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--

TABLE 4  
 PETROLEUM HYDROCARBON, BTEX, PESTICIDE AND PCB  
 CONCENTRATIONS IN GROUNDWATER  
 NINTH AVENUE TERMINAL STUDY AREA

SAMPLE DESIGNATION	CONSULTANT	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Port of Oak, Datum (FEET)	OIL & GREASE (ug/L)	TVH as GAS (ug/L)	TEH as DIESEL (ug/L)	TEH as MOTOR OIL (ug/L)	BENZENE (ug/L)	ETHYL-BENZENE (ug/L)	TOLUENE (ug/L)	TOTAL XYLENES (ug/L)	4,4'-DDD (ug/L)	4,4'-DDE (ug/L)	4,4'-DDT (ug/L)	OTHER HERBS/ PESTS (ug/L)	AROCLOR-1260 (ug/L)	OTHER PCBs (ug/L)
MW-3	SCI	F	12/13/96	5.34	--	<50	580	<250	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
MW-3	SCI	F	9/29/98	5.83	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
MW-4	Clayton	F	9/20/93 (b)	6.18	--	<50	1300	--	140	40	110	235	--	--	--	--	--	--
MW-4	Clayton	F	12/1/93 (b)	7.88	--	<50	32,000	--	71	20	41	150	--	--	--	--	--	--
MW-4	Uribe	F	4/4/94 (b)	7.78	--	6,200	410,000	--	140	47	20	310	--	--	--	--	--	--
MW-4	Clayton	F	4/10/95	8.18	FREE PRODUCT -- NOT SAMPLED													
MW-4	Clayton	F	7/24/95	8.33 (b)	--	2,400	21,000	--	140	34	74	40	--	--	--	--	--	--
MW-4	SCI	F	5/24/96	9.02 (b)	--	690y	37,000	2,800yl	44	18	<2.5	7.7	--	--	--	--	--	--
MW-4	SCI	F	9/4/96	7.33 (b)	--	1,000h	240,000	26,000yl	100	5.2	<0.5	7.2	--	--	--	--	--	--
MW-4	SCI	F	12/3/96	8.76 (b)	--	1,500yh	13,000	2,000yl	120	33	0.9	22	--	--	--	--	--	--
MW-4	SCI	F	12/30/96	9.04	FREE PRODUCT -- NOT SAMPLED													
MW-4	SCI	F	1/16/97	8.76	FREE PRODUCT -- NOT SAMPLED													
MW-4	SCI	F	5/5/97	8.06	FREE PRODUCT -- NOT SAMPLED													
MW-4	SCI	F	9/17/98	7.53	FREE PRODUCT -- NOT SAMPLED													
MW-4	SCI	F	8/25/99	7.33	FREE PRODUCT -- NOT SAMPLED													
MW-5	Clayton	F	4/10/95	7.20	--	1,100	6,200	--	3.1	2.9	<0.3	11.3	--	--	--	--	--	--
MW-5	Clayton	F	7/24/95	6.60	--	720	4,800	--	3.1	0.6		0.7	--	--	--	--	--	--
MW-5	Clayton	F	11/10/95	6.46	--	260	3,700	--	0.8	0.6	0.5	1.9	--	--	--	--	--	--
MW-5	Clayton/SCI	F	2/20/96	9.15	--	150y	440h	--	0.5	<0.5	<0.5	<1	--	--	--	--	--	--
MW-5	SCI	F	5/24/96	9.17	--	82y	4,600yh	1,900y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
MW-5	SCI	F	9/4/96	6.40	--	<50	7,700yh	1,900yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
MW-5	SCI	F	12/3/96	7.20	--	140yh	13,000	1,900yl	1.5	<0.5	<0.5	2.6	--	--	--	--	--	--
MW-5	SCI	F	1/20/97	8.38	--	<50	9,400	1,500yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
MW-5	SCI	F/H	5/6/97	6.45	<5,000	<50	8,800	2,500yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
MW-5	SCI	F/H	9/23/98	6.40	--	<50	1701	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
MW-5	SCI	F/H	5/7/99	6.59	--	<50	660	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
MW-6	Clayton	F	4/10/95	7.74 (b)	--	1,300	10,000	--	4.4	0.7	<0.3	0.8	--	--	--	--	--	--
MW-6	SCI	F	7/24/95	6.67	FREE PRODUCT -- NOT SAMPLED													

TABLE 4  
 PETROLEUM HYDROCARBON, BTEX, PESTICIDE AND PCB  
 CONCENTRATIONS IN GROUNDWATER  
 NINTH AVENUE TERMINAL STUDY AREA

SAMPLE DESIGNATION	CONSULTANT	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Port of Oak Datum (FBET)	OIL & GREASE (ug/L)	TVH as GAS (ug/L)	TEH as DIESEL (ug/L)	TEH as MOTOR OIL (ug/L)	BENZENE (ug/L)	ETHYL-BENZENE (ug/L)	TOLUENE (ug/L)	TOTAL XYLENES (ug/L)	4,4'-DDD (ug/L)	4,4'-DDE (ug/L)	4,4'-DDT (ug/L)	OTHER HERBS/ PESTS (ug/L)	AROCLOR-1260 (ug/L)	OTHER PCBs (ug/L)
MW-6	SCI	F	5/24/96	7.71 (b)	--	280,000yh	240,000	5,500yl	<250	<250	<250	<250	--	--	--	--	--	--
MW-6	SCI	F	9/5/96	6.67 (b)	89,000	200h	50,000	3,200yl	5.3	<5.0	<5.0	<5.0	--	--	--	--	<1.0	ND
MW-6	SCI	F	12/4/96	7.90 (b)	--	4,700yh	140,000	7,300yl	19	<10	11	<10	--	--	--	--	--	--
MW-6	SCI	F	1/16/97	7.63	FREE PRODUCT -- NOT SAMPLED													
MW-6	SCI	F/H	5/6/97	7.04 (b)	330,000	440yh	620,000	24,000yl	2.4	<0.5	0.51	0.61	--	--	--	--	--	--
MW-6	SCI	F	9/25/97	7.97	FREE PRODUCT -- NOT SAMPLED													
MW-6	SCI	F	5/4/99	7.21	FREE PRODUCT -- NOT SAMPLED													
MW-7	Clayton	M	4/10/95	5.72	--	<50	370	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--
MW-7	Clayton	M	7/24/95	6.41	--	<50	260	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--
MW-7	Clayton	M	11/10/95	5.35	--	<50	270	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--
MW-7	Clayton/SCI	M	2/20/96	6.00	--	<50	6,100	--	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--
MW-7	SCI	M	5/24/96	5.44	--	<50	750yh	750y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
MW-7	SCI	M	9/5/96	5.48	<5,000	<50	480yh	310yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	<1.0	ND
MW-7	SCI	M	12/4/96	5.25	--	<50	340y	<240	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
MW-7	SCI	M	1/17/97	6.48	--	<50	200	<250	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-1	SCI	E/H	5/24/96	5.09	<5,000	<50	560yh	280y	<5.0	<5.0	<5.0	<5.0	<0.09	<0.09	<0.09	ND	<0.5	ND
SCIMW-1	SCI	E/H	9/6/96	4.39	<5,000	<50	870yh	<250	<5.0	<5.0	<5.0	<5.0	--	--	--	--	<1.0	ND
SCIMW-1	SCI	E/H	1/22/97	5.29	--	<50	520yh	<250	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-1	SCI	E/H	9/22/98	5.02	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	5/23/96	4.04	5,600	--	2,600 l	360yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-2	SCI	N	9/4/96	3.38	8,000	<50	5,100	770yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	<1.0	ND
SCIMW-2	SCI	N	1/17/97	3.82	--	95y	13,000 l	2,400yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-2	SCI	N	9/18/98	4.07	--	--	31,000h	5,400yl	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	12/28/98	3.52	--	--	5,400h	930yl	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	5/7/99	4.52	--	--	10,000	1,600yl	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	8/26/99	3.00	--	--	13,000	1,600	--	--	--	--	--	--	--	--	--	--
SCIMW-3	SCI	I/J	5/23/96	7.22	<5,000	--	8,000yh	7,400y	<5.0	<5.0	<5.0	<5.0	--	--	--	--	<1.0	ND
SCIMW-3	SCI	I/J	9/5/96	6.67	<5,000	<50	8,800yh	4,400yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	<1.0	ND

TABLE 4  
 PETROLEUM HYDROCARBON, BTEX, PESTICIDE AND PCB  
 CONCENTRATIONS IN GROUNDWATER  
 NINTH AVENUE TERMINAL STUDY AREA

SAMPLE DESIGNATION	CONSULTANT	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Port of Oak. Datum (FEET)	OIL & GREASE (ug/L)	TVH as GAS (ug/L)	TEH as DIESEL (ug/L)	TEH as MOTOR OIL (ug/L)	BENZENE (ug/L)	ETHYL-BENZENE (ug/L)	TOLUENE (ug/L)	TOTAL XYLENES (ug/L)	4,4'-DDD (ug/L)	4,4'-DDE (ug/L)	4,4'-DDT (ug/L)	OTHER HERBS/ PESTS (ug/L)	AROCLOR-1260 (ug/L)	OTHER PCBs (ug/L)
SCIMW-3	SCI	I/J	1/20/97	6.46	--	<50	7,500yh	5,200y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-3	SCI	I/J	9/18/98	4.29	--	--	75yh	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-4	SCI	L	8/26/96	5.50	<5,000	<50	630yh	670yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	<1.0	ND
SCIMW-4	SCI	L	1/22/97	8.43	--	<50	530yh	990yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-4	SCI	L	9/23/98	6.20	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-5	SCI	M	9/3/96	4.63	<5,000	<50	<50	<250	<5.0	<5.0	<5.0	<5.0	--	--	--	--	<1.0	ND
SCIMW-5	SCI	M	1/20/97	6.12	--	<50	<50	<250	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-5	SCI	M	9/23/98	5.78	--	--	70y	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-5	SCI	M	12/17/98	5.64	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-5	SCI	M	5/10/99	5.26	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-6	SCI	C	8/28/96	4.69	<5,000	<50	150yh	260yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	<1.0	ND
SCIMW-6	SCI	C	1/22/97	4.68	--	<50	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.09	<0.09	<0.09	ND	<0.5	ND
SCIMW-6	SCI	C	9/23/98	4.38	--	--	<50	<300	--	--	--	--	<0.09	<0.09	<0.09	ND	<0.5	ND
SCIMW-6	SCI	C	12/10/98 (a)	3.91	--	--	<47	<280	--	--	--	--	<0.1	<0.1	<0.1	ND	<0.5	ND
SCIMW-6	SCI	C	5/6/99	4.39	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-7	SCI	P/Q	9/6/96	3.31+	<5,000	540	6,100y	1,900yl	5,300	<1,300	<1,300	<1,300	--	--	--	--	<1.0	ND
SCIMW-7	SCI	P/Q	1/20/97	7.32	--	6,900z	11,000y	7,500yl	8,600	<25	7,200	103	--	--	--	--	--	--
SCIMW-7	SCI	P/Q	10/20/97	6.96	<5,000	9,100yl	6,100yh	2,500yl	5,100	15	3,800	134	0.78	0.32	<0.094	**	<0.47	ND
SCIMW-7	SCI	P/Q	9/22/98	5.74	--	--	<50	<300	1,100	<250	480	<250	<0.1	<0.1	<0.1	ND	<0.5	ND
SCIMW-7	SCI	P/Q	5/6/99	7.40	--	--	--	--	--	--	--	--	<1.0	<1.0	<1.0	ND	<4.8	ND
SCIMW-8	SCI	I	8/26/96	7.11	<5,000	<50	1,200yh	1,400yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	<1.0	ND
SCIMW-8	SCI	I	1/21/97	7.70	--	<50	860yh	830yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-8	SCI	I	9/18/98	7.25	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-9	SCI	I	8/26/96	6.40	5,000	<50	1,800yh	1,100yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	<1.0	ND
SCIMW-9	SCI	I	1/23/97	6.66	--	<50	1,900yh	2,300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-9	SCI	I	9/22/98	6.64	--	--	95yh	600yh	--	--	--	--	--	--	--	--	--	--
SCIMW-10	SCI	J	8/26/96	7.95	<5,000	<50	1,100yh	1,200yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	<1.0	ND
SCIMW-10	SCI	J	1/23/97	7.87	--	<50	1,400yh	2,500	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--

TABLE 4  
 PETROLEUM HYDROCARBON, BTEX, PESTICIDE AND PCB  
 CONCENTRATIONS IN GROUNDWATER  
 NINTH AVENUE TERMINAL STUDY AREA

DRAFT

SAMPLE DESIGNATION	CONSULTANT	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Port of Oak, Datum (FEET)	OIL & GREASE (ug/L)	TVH as GAS (ug/L)	TEH as DIESEL (ug/L)	TEH as MOTOR OIL (ug/L)	BENZENE (ug/L)	ETHYL-BENZENE (ug/L)	TOLUENE (ug/L)	TOTAL XYLENES (ug/L)	4,4'-DDD (ug/L)	4,4'-DDE (ug/L)	4,4'-DDT (ug/L)	OTHER HERBS/PESTS (ug/L)	AROCLOR-1260 (ug/L)	OTHER PCBs (ug/L)
SCIMW-10	SCI	J	9/18/98	7.64	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-11	SCI	N	8/28/96	3.83	<5,000	<50	400yh	<250	<5.0	<5.0	<5.0	<5.0	--	--	--	--	<1.0	ND
SCIMW-11	SCI	N	1/17/97	4.32	--	<50	180	<250	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-11	SCI	N	9/23/98	4.72	--	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-11	SCI	N	12/10/98	3.32	--	51	<59	<350	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-11	SCI	N	5/6/99	3.48	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-12	SCI	O	8/29/96	4.09	<5,000	<50	<50	<250	<5.0	<5.0	<5.0	<5.0	--	--	--	--	<1.0	ND
SCIMW-12	SCI	O	1/17/97	4.53	--	<50	<50	<250	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-12	SCI	O	9/18/98	4.14	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-12	SCI	O	12/11/98	3.73	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-12	SCI	O	5/6/99	3.75	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-13	SCI	J	8/29/96	7.21	<5,000	<50	5,400yh	2,100yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	<1.0	ND
SCIMW-13	SCI	J	1/23/97	6.93	--	<50	3,400yh	3,900	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-13	SCI	J	9/18/98	7.42	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-14	SCI	I/J	8/29/96	5.36	6,000	<50	2,200yh	1,400yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	<1.0	ND
SCIMW-14	SCI	I/J	1/21/97	5.64	--	<50	570yh	420yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-14	SCI	I/J	9/18/98	5.48	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-14	SCI	I/J	5/4/99	6.00	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-15	SCI	I/J	8/29/96	4.85	<5,000	<50	2,100yh	1,600yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	<1.0	ND
SCIMW-15	SCI	I/J	1/17/97	5.01	--	<50	2,500h	1,600yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-15	SCI	I/J	9/21/98	5.17	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-15	SCI	I/J	5/4/99	5.15	--	--	75yh	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-16	SCI	R	8/30/96	6.81	<5,000	<50	180	<250	<5.0	<5.0	<5.0	<5.0	--	--	--	--	<1.0	ND
SCIMW-16	SCI	R	1/22/97	7.03	--	<50	290yh	<250	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-16	SCI	R	9/22/98	7.04	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-16	SCI	R	5/4/99	6.68	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-17	SCI	R	8/29/96	6.55	<5,000	<50	190yh	<250	<5.0	<5.0	<5.0	<5.0	--	--	--	--	<1.0	ND
SCIMW-17	SCI	R	1/22/97	7.67	--	<50	330yh	500yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--

TABLE 4  
 PETROLEUM HYDROCARBON, BTEX, PESTICIDE AND PCB  
 CONCENTRATIONS IN GROUNDWATER  
 NINTH AVENUE TERMINAL STUDY AREA

SAMPLE DESIGNATION	CONSULTANT	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Port of Oak. Datum (FEET)	OIL & GREASE (ug/L)	TVH as GAS (ug/L)	TEH as DIESEL (ug/L)	TEH as MOTOR OIL (ug/L)	BENZENE (ug/L)	ETHYL-BENZENE (ug/L)	TOLUENE (ug/L)	TOTAL XYLENES (ug/L)	4,4'-DDD (ug/L)	4,4'-DDE (ug/L)	4,4'-DDT (ug/L)	OTHER HERBS/ PESTS (ug/L)	AROCLOR-1260 (ug/L)	OTHER PCBs (ug/L)
SCIMW-17	SCI	R	9/21/98	6.94	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-18	SCI	L	9/6/96	5.22+	<5,000	<50	2,200yh	1,600yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	<1.0	ND
SCIMW-18	SCI	L	1/20/97	6.98	--	<50	1,900yh	1,900y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-18	SCI	L	9/24/98	7.23	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-19	SCI	R	8/30/96	6.16	<5,000	<50	180	<250	<5.0	<5.0	<5.0	<5.0	--	--	--	--	<1.0	ND
SCIMW-19	SCI	R	1/21/97	7.42	--	<50	150yh	<250	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-19	SCI	R	9/18/98	6.38	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-20	SCI	H/Q	9/3/96	7.03	<5,000	<50	330y	<250	<5.0	<5.0	<5.0	<5.0	--	--	--	--	<1.0	ND
SCIMW-20	SCI	H/Q	1/20/97	7.67	--	<50	340yh	290y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-20	SCI	H/Q	9/22/98	6.79	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-21	SCI	D	5/6/97	7.44	<5,000	<50	670h	860yh1	<0.5	<0.5	<0.5	<0.5	<0.094	<0.094	<0.094	ND	<0.47	ND
SCIMW-21	SCI	D	9/23/98	7.54	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-22	SCI	P	5/6/97	8.22	<5,000	<50	1,400yh	2,300hl	<0.5	<0.5	<0.5	<0.5	0.12	<0.094	<0.094	ND	<0.47	ND
SCIMW-22	SCI	P	10/20/97	7.61	<5,000	<50	1,500yh	2,700yh1	<0.5	<0.5	<0.5	<0.5	<0.094	<0.094	<0.094	ND	<0.47	ND
SCIMW-22	SCI	P	9/22/98	7.24	--	--	<50	<300	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--
SCIMW-22	SCI	P	5/5/99	7.66	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-23	SCI	B	5/6/97	5.55	10,000	--	1,400	1,200yl	--	--	--	--	<0.094	<0.094	<0.094	***	<0.47	ND
SCIMW-23	SCI	B	9/24/98	5.46	--	--	680y	<300	--	--	--	--	<0.09	<0.09	<0.09	ND	<0.5	ND
SCIMW-23	SCI	B	12/11/98	6.39	--	--	260yh	<300	--	--	--	--	<0.1	<0.1	<0.1	ND	<0.5	ND
SCIMW-23	SCI	B	5/7/99	6.09	--	--	660y	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-23	SCI	B	8/26/99	4.35	--	--	120 y	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-24	SCI	N	5/6/97	4.44	<5,000	5,000	2,700 l	2,100 l	720	220	37	120	<0.094	<0.094	<0.094	ND	<0.47	ND
SCIMW-24	SCI	N	9/18/98	4.96	--	7,100	330yl	<300	950	99	53	98	--	--	--	--	--	--
SCIMW-24	SCI	N	12/11/98	5.79	--	8,300	800yl	<300	1,200	180	56	111	--	--	--	--	--	--
SCIMW-24	SCI	N	5/6/99	5.14	--	6,700	1,900yl	660yl	1,100	120	31	89	--	--	--	--	--	--
SCIMW-24	SCI	N	8/25/99	4.59	FREE PRODUCT -- NOT SAMPLED													
SCIMW-25	SCI	H	5/7/97	7.30	<5,000	<50	100	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-26	SCI	H	5/6/97	8.15	<5,000	<50	140	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--



TABLE 4  
 PETROLEUM HYDROCARBON, BTEX, PESTICIDE AND PCB  
 CONCENTRATIONS IN GROUNDWATER  
 NINTH AVENUE TERMINAL STUDY AREA

DRAFT

SAMPLE DESIGNATION	CONSULTANT	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Port of Oak. Datum (FEET)	OIL & GREASE (ug/L)	TVH as GAS (ug/L)	TEH as DIESEL (ug/L)	TEH as MOTOR OIL (ug/L)	BENZENE (ug/L)	ETHYL-BENZENE (ug/L)	TOLUENE (ug/L)	TOTAL XYLENES (ug/L)	4,4'-DDD (ug/L)	4,4'-DDE (ug/L)	4,4'-DDT (ug/L)	OTHER HERBS/ PESTS (ug/L)	AROCLOR-1260 (ug/L)	OTHER PCBs (ug/L)
SCIMW-26	SCI	H	9/22/98	7.41	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-27	SCI	E/H	5/6/97	6.45	<5,000	<50	3,400	1,800yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-27	SCI	E/H	9/22/98	6.58	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-28	SCI	Q	5/7/97	8.34	<5,000	<50	180	<300	<0.5	<0.5	<0.5	<0.5	<0.094	<0.094	<0.094	ND	<0.47	ND
SCIMW-28	SCI	Q	9/25/98	7.83	--	--	<47	<280	--	--	--	--	--	--	--	--	<0.47	ND
SCIMW-29	SCI	H	5/20/97	7.48	<5,000	<50	150	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-30	SCI	P	10/20/97	7.53	<5,000	<50	530yh	830yhl	<0.5	<0.5	<0.5	<0.5	<0.094	<0.094	<0.094	ND	<0.47	ND
SCIMW-30	SCI	P	9/23/98	7.63	--	--	60y	<300	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--
SCIMW-30	SCI	P	5/5/99	7.89	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-31D	SCI	P	10/20/97	4.23	<5,000	<50	170y	<300	<0.5	<0.5	<0.5	<0.5	<0.094	<0.094	<0.094	ND	<0.47	ND
SCIMW-31D	SCI	P	9/21/98	4.34	--	--	--	--	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--
SCIMW-32	SCI	I/P	10/20/97	7.73	<5,000	<50	1,000yh	990yl	<0.5	<0.5	<0.5	<0.5	<0.094	<0.094	<0.094	ND	<0.47	ND
SCIMW-32	SCI	I/P	9/21/98	7.71	--	--	<50	<300	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--
SCIMW-33	SCI	I/T	10/20/97	6.89	<5,000	780	5,700yh	1,600yhl	3.2	12	<0.5	30.7	1.8	0.3	0.11	ND	<0.47	ND
SCIMW-33	SCI	I/T	9/21/98	7.15	--	--	210yl	<300	<10	<10	<10	<10	2.0	0.2	<0.09	ND	<0.5	ND
SCIMW-33	SCI	I/T	5/5/99	7.47	--	--	1,100h	<300	<10	<10	<10	<10	18.0	7.8	<4.9	ND	<24	ND
SCIMW-34	SCI	R	10/20/97	4.88	<5,000	<50	5,200yh	3,600yhl	<0.5	<0.5	<0.5	<0.5	<0.094	<0.094	<0.094	ND	<0.47	ND
SCIMW-34	SCI	R	9/24/98	4.87	--	92	61y	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-34	SCI	R	12/11/98	4.91	--	290	60ylh	<300	150	28	1.0	6.5	--	--	--	--	--	--
SCIMW-34	SCI	R	5/5/99	4.49	--	91	<50	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-34	SCI	R	8/26/99	6.86	--	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-35	SCI	R	10/20/97	4.87	<5,000	<50	99yh	<300	<0.5	<0.5	<0.5	<0.5	<0.094	<0.094	<0.094	ND	<0.47	ND
SCIMW-35	SCI	R	9/23/98	4.74	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-35	SCI	R	12/11/98	5.15	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--
SCIMW-35	SCI	R	5/4/99	4.50	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--

TABLE 4  
 PETROLEUM HYDROCARBON, BTEX, PESTICIDE AND PCB  
 CONCENTRATIONS IN GROUNDWATER  
 NINTH AVENUE TERMINAL STUDY AREA

DRAFT

SAMPLE DESIGNATION	CONSULTANT	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Port of Oak. Datum (FEET)	OIL & GREASE (ug/L)	TVH as GAS (ug/L)	TEH as DIESEL (ug/L)	TEH as MOTOR OIL (ug/L)	BENZENE (ug/L)	ETHYL-BENZENE (ug/L)	TOLUENE (ug/L)	TOTAL XYLENES (ug/L)	4,4'-DDD (ug/L)	4,4'-DDE (ug/L)	4,4'-DDT (ug/L)	OTHER HERBS/ PESTS (ug/L)	AROCLOR-1260 (ug/L)	OTHER PCBs (ug/L)
XA Dup of SCIMW-16	SCI	R	8/30/96	6.81	--	--	--	--	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--
XB Dup of SCIMW-3	SCI	I/J	9/5/96	6.67	--	--	--	--	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--

TVH = Total Volatile Hydrocarbons  
 TEH = Total Extractable Hydrocarbons  
 DDD = Dichlorodiphenyldichloroethane  
 DDE = Dichlorodiphenyldichloroethene  
 DDT = Dichlorodiphenyltrichloroethene  
 PCBs = Polychlorinated Biphenyls  
 \*\*\* = Also detected 0.05ug/L Heptachlor epoxide B

ug/L = micrograms per liter or parts per billion  
 y = Sample exhibits fuel pattern which does not resemble std  
 h = heavier hydrocarbons than indicated standard  
 l = lighter hydrocarbons than indicated standard  
 z = Sample exhibits unknown single peak or peaks  
 J = estimated value

-- = Not tested  
 <50 = Comp. not detected at or above stated reporting limit  
 ND = Not detected  
 + = Groundwater level may not be stabilized  
 Groundwater measurements presented are those collected on the first day of sampling for the event and may not be the same as the date sampled.

- (a) Additional sample was collected on Dec 28, 1998 for the TEH analysis.  
 (b) These wells contained free product at time of sampling.

TABLE 5  
VOLATILE ORGANIC CONCENTRATIONS  
IN GROUNDWATER  
NINTH AVENUE TERMINAL STUDY AREA

SAMPLE DESIGNATION	CONSULTANT	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Port of Oak. Datum (FEET)	ACETONE (ug/L)	MEK or 2-BUTAN-ONE (ug/L)	CARBON DISULFIDE (ug/L)	CHLORO-BENZENE (ug/L)	CHLORO-ETHANE (ug/L)	1,1-DI-CHLORO-ETHANE (ug/L)	1,2-DI-CHLORO-ETHANE (ug/L)	1,1-DI-CHLORO-ETHENE (ug/L)	cis-1,2-DI-CHLORO-ETHENE (ug/L)	trans-1,2-DI-CHLORO-ETHENE (ug/L)	4-METHYL-2-PENTAN-ONE (ug/L)	1,1,1-TRI-CHLORO-ETHANE (ug/L)	TRI-CHLORO-ETHENE (ug/L)	VINYL CHLORIDE (ug/L)	OTHER 8240s EXCL. BTEX*
MW-5	SCI	F	1/20/97	8.38	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
MW-5	SCI	F/H	5/6/97	6.45	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
MW-6	SCI	F	9/5/96	6.67	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
MW-6	SCI	F/H	5/6/97	7.04	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
MW-7	SCI	M	9/5/96	5.48	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
MW-7	SCI	M	1/17/97	6.48	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-1	SCI	E/H	5/24/96	5.09	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-1	SCI	E/H	9/6/96	4.39	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-1	SCI	E/H	1/22/97	5.29	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-2	SCI	N	9/4/96	3.38	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-2	SCI	N	1/17/97	3.82	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-3	SCI	I/J	5/23/96	7.22	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-3	SCI	I/J	9/5/96	6.67	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
XB Dup of SCIMW-3	SCI	I/J	9/5/96	6.67	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-3	SCI	I/J	1/20/97	6.46	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-4	SCI	L	8/26/96	5.50	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-4	SCI	L	1/22/97	8.43	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-5	SCI	M	9/3/96	4.63	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-5	SCI	M	1/20/97	6.12	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-6	SCI	C	8/28/96	4.69	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-6	SCI	C	1/22/97	4.68	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-7	SCI	P/Q	9/6/96	3.31+	<5,000	<2,500	<1,300	<1,300	2,400J	8,100	<1,300	<1,300	27,000	<1,300	<2,500	10,000	7,900	8,900	ND
SCIMW-7	SCI	P/Q	1/20/97	7.32	<13,000	<6,300	<3,100	<3,100	6,300	13,000	<3,100	<3,100	91,000	<3,100	<6,300	53,000	32,000	5,600J	ND
SCIMW-7	SCI	P/Q	10/20/97	6.96	<1,000	250J	<250	<250	4,000	6,800	<250	330	60,000	920	<500	12,000	2,900	7,400	ND
SCIMW-7	SCI	P/Q	9/22/98	5.74	<1,000	<500	<250	<250	1,400	1,700	<250	<250	5,000	180J	<500	1,600	<250	2,400	ND
SCIMW-7	SCI	P/Q	5/6/99	7.40	<100	<50	<25	<25	570	<25	<25	<25	160	34	<50	<25	<25	160	ND
SCIMW-8	SCI	I	8/26/96	7.11	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-8	SCI	I	1/21/97	7.70	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND

TABLE 5  
VOLATILE ORGANIC CONCENTRATIONS  
IN GROUNDWATER  
NINTH AVENUE TERMINAL STUDY AREA

Subsurface Consultants, Inc.  
DRAFT

SAMPLE DESIGNATION	CONSULTANT	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Port of Oak. Datum (FEET)	ACETONE (µg/L)	MEK or 2-BUTAN-ONE (µg/L)	CARBON DISULFIDE (µg/L)	CHLORO-BENZENE (µg/L)	CHLORO-ETHANE (µg/L)	1,1-DI-CHLORO-ETHANE (µg/L)	1,2-DI-CHLORO-ETHANE (µg/L)	1,1-DI-CHLORO-ETHENE (µg/L)	cis-1,2-DI-CHLORO-ETHENE (µg/L)	trans-1,2-DI-CHLORO-ETHENE (µg/L)	4-METHYL-2-PENTAN-ONE (µg/L)	1,1,1-TRI-CHLORO-ETHANE (µg/L)	TRI-CHLORO-ETHENE (µg/L)	VINYL CHLORIDE (µg/L)	OTHER 8240s EXCL. BTEX*
SCIMW-9	SCI	I	8/29/96	6.40	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-9	SCI	I	1/23/97	6.66	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-10	SCI	J	8/26/96	7.95	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-10	SCI	J	1/23/97	7.87	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-11	SCI	N	8/28/96	3.83	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-11	SCI	N	1/17/97	4.32	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-12	SCI	O	8/29/96	4.09	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-12	SCI	O	1/17/97	4.53	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-13	SCI	J	8/29/96	7.21	<20	<10	<5.0	<5.0	<10	6.7	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-13	SCI	J	1/23/97	6.93	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-14	SCI	I/J	8/29/96	5.36	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-14	SCI	I/J	1/21/97	5.64	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-15	SCI	I/J	8/29/96	4.85	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-15	SCI	I/J	1/17/97	5.01	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-16	SCI	R	8/30/96	6.81	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
XA Dup of SCIMW-16	SCI	R	8/30/96	6.81	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-16	SCI	R	1/22/97	7.03	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-17	SCI	R	8/29/96	6.55	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-17	SCI	R	1/22/97	7.67	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-18	SCI	L	9/6/96	5.22+	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-18	SCI	L	1/20/97	6.98	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-19	SCI	R	8/30/96	6.16	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-19	SCI	R	1/21/97	7.42	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-20	SCI	H/Q	9/3/96	7.03	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-20	SCI	H/Q	1/20/97	7.67	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-22	SCI	P	5/6/97	8.22	<100	<50	<25	<25	<50	<25	<25	<25	<25	<25	<50	<25	<25	<50	ND
SCIMW-22	SCI	P	10/20/97	7.61	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-22	SCI	P	9/23/98	7.24	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-22	SCI	P	5/5/99	7.66	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND

TABLE 5  
VOLATILE ORGANIC CONCENTRATIONS  
IN GROUNDWATER  
NINTH AVENUE TERMINAL STUDY AREA

SAMPLE DESIGNATION	CONSULTANT	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Port of Oak Datum (FEET)	ACETONE (ug/L)	MEK or 2-BUTAN-ONE (ug/L)	CARBON DISULFIDE (ug/L)	CHLORO-BENZENE (ug/L)	CHLORO-ETHANE (ug/L)	1,1-DI-CHLORO-ETHANE (ug/L)	1,2-DI-CHLORO-ETHANE (ug/L)	1,1-DI-CHLORO-ETHENE (ug/L)	cis-1,2-DI-CHLORO-ETHENE (ug/L)	trans-1,2-DI-CHLORO-ETHENE (ug/L)	4-METHYL-2-PENTAN-ONE (ug/L)	1,1,1-TRI-CHLORO-ETHANE (ug/L)	TRI-CHLORO-ETHENE (ug/L)	VINYL CHLORIDE (ug/L)	OTHER 8240s EXCL. BTEX*
SCIMW-24	SCI	N	5/6/97	4.44	<100	<50	<25	<25	<50	<25	<25	<25	<25	<25	<50	<25	<25	<50	ND
SCIMW-25	SCI	H	5/7/97	7.30	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	3.5J	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-26	SCI	H	5/6/97	8.15	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-27	SCI	E/H	5/6/97	6.45	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-29	SCI	H	5/20/97	7.48	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-30	SCI	P	10/20/97	7.53	27	5.7J	25	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-30	SCI	P	9/23/98	7.63	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-30	SCI	P	5/5/99	7.89	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-31D	SCI	P	10/20/97	4.23	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-31D	SCI	P	9/21/98	4.34	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-31D	SCI	P	5/5/99	4.01	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-32	SCI	I/P	10/20/97	7.73	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-32	SCI	I/P	9/21/98	7.71	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-32	SCI	I/P	5/5/99	8.43	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-33	SCI	I/J	10/20/97	6.89	<50	<25	<13	310	<25	<13	<13	<13	<13	<13	<25	<13	<13	<25	ND
SCIMW-33	SCI	I/J	9/21/98	7.15	<40	<20	<10	260	<20	<10	<10	<10	<10	<10	<20	<10	<10	<20	ND
SCIMW-33	SCI	I/J	5/5/99	7.47	<40	<20	<10	290	<20	<10	<10	<10	<10	<10	<20	<10	<10	<20	ND
SCIMW-34	SCI	R	10/20/97	4.88	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-35	SCI	R	10/20/97	4.87	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND

\* = BTEX presented in Table 5  
MEK = Methyl ethyl ketone  
µg/L = micrograms per liter or parts per billion  
<10 = Compound not detected at or above stated reporting limit

ND = Not detected  
J = Estimated value  
+ = Groundwater level may not be stabilized  
Groundwater measurements presented are those collected on the first day of sampling for the event and may not be the same as the date sampled.

TABLE 6  
SEMI-VOLATILE ORGANIC CONCENTRATIONS (except PNA's)  
IN GROUNDWATER  
NINTH AVENUE TERMINAL STUDY AREA



SAMPLE DESIGNATION	CONSULTANT	DESCRIPTION	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Port of Oak. Datum (FEET)	BENZOIC ACID (ug/L)	BENZYL ALCOHOL (ug/L)	1,2-DI-CHLORO-BENZENE (ug/L)	1,4-DI-CHLORO-BENZENE (ug/L)	2,4-DI-METHYL-PHENOL (ug/L)	DI-N-OCTYL-PHTHALATE (ug/L)	BIS(2-ETHYL-HEXYL) PHTHALATE (ug/L)	2-METHYL-PHENOL (ug/L)	4-METHYL-PHENOL (ug/L)	PENTA-CHLORO-PHENOL (ug/L)	PHENOL (ug/L)	OTHER 8270s
MW-5	SCI	Filtered	F	1/20/97	8.38	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
MW-6	SCI	Filtered	F	9/5/96	6.67	<2400	<470	<470	<470	<470	<470	<470	<470	<470	<470	<470	ND
MW-7	SCI	Filtered	M	9/5/96	5.48	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
MW-7	SCI	Filtered	M	1/17/97	6.48	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-1	SCI	Filtered	E/H	5/24/96	5.09	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-1	SCI	Filtered	E/H	9/6/96	4.39	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-1	SCI	Filtered	E/H	1/22/97	5.29	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-2	SCI	Filtered	N	5/23/96	4.04	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-2	SCI	Filtered	N	9/4/96	3.38	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-2	SCI	Filtered	N	1/17/97	3.82	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-3	SCI	Filtered	I/J	5/23/96	7.22	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-3	SCI	Filtered	I/J	9/5/96	6.67	<47	<9.4	<9.4	<9.4	<9.4	5.5J	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-3	SCI	Filtered	I/J	1/20/97	6.46	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-3	SCI	Filtered	I/J	9/18/98	4.29	--	--	--	--	--	--	--	--	--	--	--	--
SCIMW-4	SCI	Filtered	L	8/26/96	5.50	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-4	SCI	Filtered	L	1/22/97	8.43	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-5	SCI	Filtered	M	9/3/96	4.63	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-5	SCI	Filtered	M	1/20/97	6.12	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-6	SCI	Filtered	C	8/28/96	4.69	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-6	SCI	Filtered	C	1/22/97	4.68	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-7	SCI	Filtered	P/Q	9/6/96	3.31+	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	4.7J	<9.4	<9.4	ND
SCIMW-7	SCI	Filtered	P/Q	1/20/97	7.32	280	11J	<19	<19	40	<19	<19	55	110	<19	27	ND
SCIMW-8	SCI	Filtered	I	8/26/96	7.11	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-8	SCI	Filtered	I	1/21/97	7.70	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-9	SCI	Filtered	I	8/29/96	6.40	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-9	SCI	Filtered	I	1/23/97	6.66	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-9	SCI	Filtered	I	9/22/98	6.64	<48	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	NL	<9.7	<9.7	ND
SCIMW-10	SCI	Filtered	J	8/26/96	7.95	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND

TABLE 6  
SEMI-VOLATILE ORGANIC CONCENTRATIONS (except PNA's)  
IN GROUNDWATER  
NINTH AVENUE TERMINAL STUDY AREA

SAMPLE DESIGNATION	CONSULTANT	DESCRIPTION	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Port of Oak. Datum (FBET)	BENZOIC ACID (µg/L)	BENZYL ALCOHOL (µg/L)	1,2-DI-CHLORO-BENZENE (µg/L)	1,4-DI-CHLORO-BENZENE (µg/L)	2,4-DI-METHYL-PHENOL (µg/L)	DI-N-OCTYL-PHTHALATE (µg/L)	BIS(2-ETHYL-HEXYL) PHTHALATE (µg/L)	2-METHYL-PHENOL (µg/L)	4-METHYL-PHENOL (µg/L)	PENTA-CHLORO-PHENOL (µg/L)	PHENOL (µg/L)	OTHER 8270s
SCIMW-10	SCI	Filtered	J	1/23/97	7.87	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-11	SCI	Filtered	N	8/28/96	3.83	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-11	SCI	Filtered	N	1/17/97	4.32	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-12	SCI	Filtered	O	8/29/96	4.09	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-12	SCI	Filtered	O	1/17/97	4.53	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-13	SCI	Filtered	J	8/29/96	7.21	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-13	SCI	Filtered	J	1/23/97	6.93	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-14	SCI	Filtered	I/J	8/29/96	5.36	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-14	SCI	Filtered	I/J	1/21/97	5.64	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-15	SCI	Filtered	I/J	8/29/96	4.85	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-15	SCI	Filtered	I/J	1/17/97	5.01	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-15	SCI	Filtered	I/J	9/21/98	5.17	<48	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	NL	<9.5	<9.5	ND
SCIMW-16	SCI	Filtered	R	8/30/96	6.81	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-16	SCI	Filtered	R	1/22/97	7.03	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-17	SCI	Filtered	R	8/29/96	6.55	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-17	SCI	Filtered	R	1/22/97	7.67	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-18	SCI	Filtered	L	9/6/96	5.22+	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-18	SCI	Filtered	L	1/20/97	6.98	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-19	SCI	Filtered	R	8/30/96	6.16	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-19	SCI	Filtered	R	1/21/97	7.42	<47	<9.4	<9.4	<9.4	<9.4	<9.4	11	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-20	SCI	Filtered	H/Q	9/3/96	7.03	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-20	SCI	Filtered	H/Q	1/20/97	7.67	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-22	SCI	Filtered	P	5/6/97	8.22	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-24	SCI	Filtered	N	5/6/97	4.44	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	14	ND
SCIMW-34	SCI	Filtered	R	10/20/97	4.88	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-35	SCI	Unfiltered	R	10/20/97	4.87	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND

µg/L = micrograms per liter or parts per billion  
<25 = Compound not detected at or above stated reporting limit  
NL = Not listed on analytical test report

ND = Not detected  
+ = Groundwater level may not be stabilized  
-- = Not tested

J = Estimated value  
e = Sample extracted 3 days after prescribed holding time

Groundwater measurements presented are those collected on the first day of sampling for the event and may not be the same as the date sampled.

TABLE 7  
POLYNUCLEAR AROMATIC CONCENTRATIONS  
IN GROUNDWATER  
NINTH AVENUE TERMINAL STUDY AREA

Subsurface Consultants, Inc.  
DRAFT

SAMPLE DESIGNATION	CONSULTANT	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Part of Oak. Datum (FEET)	Acenaphthene (µg/L)		Acenaphthylene (µg/L)		Anthracene (µg/L)		Chrysene (µg/L)		Benzo(b,k) Fluoranthene (µg/L)		Benzo(g,h,i) Perlene (µg/L)		Benzo(a) Pyrene (µg/L)		Indeno (1,2,3-cd) pyrene (µg/L)		Fluoranthene (µg/L)		Fluorene (µg/L)		Naphthalene (µg/L)		Phenanthrene (µg/L)				
					Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
MW-5	SCI	F	1/20/97	8.38	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
MW-6	SCI	F	9/5/96	6.67	<470	--	<470	--	<470	--	<470	--	<470	--	<470	--	<470	--	<470	--	<470	--	<470	--	<470	--	<470	--	<470	--	
MW-7	SCI	M	9/5/96	5.48	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
MW-7	SCI	M	1/17/97	6.48	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-1	SCI	B/H	5/24/96	5.09	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-1	SCI	B/H	9/6/96	4.39	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-1	SCI	B/H	1/22/97	5.29	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-2	SCI	N	5/23/96	4.04	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-2	SCI	N	9/4/96	3.38	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-2	SCI	N	1/17/97	3.82	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-2	SCI	N	9/18/98	4.07	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7		
SCIMW-2	SCI	N	12/10/98	3.52	<10	<9.8	<10	<9.8	<10	<9.8	<10	<9.8	<10	<9.8	<10	<9.8	<10	<9.8	<10	<9.8	<10	<9.8	<10	<9.8	<10	<9.8	<10	<9.8	<10		
SCIMW-3	SCI	I/J	5/23/96	7.22	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-3	SCI	I/J	9/5/96	6.67	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-3	SCI	I/J	1/20/97	6.46	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-3	SCI	I/J	9/18/98	4.29	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--
SCIMW-4	SCI	L	8/26/96	5.50	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-4	SCI	L	1/22/97	8.43	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-5	SCI	M	9/3/96	4.63	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-5	SCI	M	1/20/97	6.12	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-6	SCI	C	8/28/96	4.69	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-6	SCI	C	1/22/97	4.68	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-6	SCI	C	9/23/98	4.38	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5		
SCIMW-6	SCI	C	12/10/98	3.91	<9.4	<9.9	<9.4	<9.9	<9.4	<9.9	<9.4	<9.9	<9.4	<9.9	<9.4	<9.9	<9.4	<9.9	<9.4	<9.9	<9.4	<9.9	<9.4	<9.9	<9.4	<9.9	<9.4	<9.9	<9.4		
SCIMW-7	SCI	P/Q	9/6/96	3.31+	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-7	SCI	P/Q	1/20/97	7.32	<19	--	<19	--	<19	--	<19	--	<19	--	<19	--	<19	--	<19	--	<19	--	<19	--	<19	--	28	--	<19	--	
SCIMW-8	SCI	I	8/26/96	7.11	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-8	SCI	I	1/21/97	7.70	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-8	SCI	I	9/18/98	7.25	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--
SCIMW-9	SCI	I	8/29/96	6.40	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-9	SCI	I	1/23/97	6.66	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-9	SCI	I	9/22/98	6.64	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--
SCIMW-10	SCI	J	8/26/96	7.95	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-10	SCI	J	1/23/97	7.87	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-11	SCI	N	8/28/96	3.83	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-11	SCI	N	1/17/97	4.32	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	
SCIMW-11	SCI	N	9/23/98	4.72	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6		
SCIMW-11	SCI	N	12/10/98	3.32	<9.4	<11	<9.4	<11	<9.4	<11	<9.4	<11	<9.4	<11	<9.4	<11	<9.4	<11	<9.4	<11	<9.4	<11	<9.4	<11	<9.4	<11	<9.4	<11	<9.4		
SCIMW-12	SCI	O	8/29/96	4.09	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	



TABLE 7  
POLYNUCLEAR AROMATIC CONCENTRATIONS  
IN GROUNDWATER  
NINTH AVENUE TERMINAL STUDY AREA

Subsurface Consultants, Inc.  
**DRAFT**

SAMPLE DESIGNATION	CONSULTANT	SITE REF. ARRA	DATE SAMPLED	GROUNDWATER ELEVATION Port of Oak Datum (FBET)	Acenaphthene (µg/L)		Acenaphthylene (µg/L)		Anthracene (µg/L)		Chrysene (µg/L)		Benzo(b,k) Fluoranthene (µg/L)		Benzo(g,h,i) Perilene (µg/L)		Benzo(a) Pyrene (µg/L)		Indeno (1,2,3-cd) pyrene (µg/L)		Fluoranthene (µg/L)		Fluorene (µg/L)		Naphthalene (µg/L)		Phenanthrene (µg/L)							
					Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered		
SCIMW-12	SCI	O	1/17/97	4.53	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--				
SCIMW-13	SCI	I	8/29/96	7.21	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--				
SCIMW-13	SCI	J	1/23/97	6.93	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--				
SCIMW-13	SCI	J	9/18/98	7.42	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--			
SCIMW-14	SCI	II	8/29/96	5.36	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--				
SCIMW-14	SCI	IIJ	1/21/97	5.64	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--				
SCIMW-14	SCI	IJJ	9/18/98	5.48	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8				
SCIMW-15	SCI	IJJ	8/29/96	4.85	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--				
SCIMW-15	SCI	IJJ	1/17/97	5.01	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--				
SCIMW-15	SCI	IJJ	9/21/98	5.17	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--			
SCIMW-16	SCI	R	8/30/96	6.81	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--		
SCIMW-16	SCI	R	1/22/97	7.03	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--		
SCIMW-17	SCI	R	8/29/96	6.55	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--		
SCIMW-17	SCI	R	1/22/97	7.67	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--		
SCIMW-18	SCI	L	9/6/96	5.22+	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--		
SCIMW-18	SCI	L	1/20/97	6.98	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--		
SCIMW-19	SCI	R	8/30/96	6.16	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--		
SCIMW-19	SCI	R	1/21/97	7.42	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--		
SCIMW-20	SCI	H/Q	9/3/96	7.03	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--		
SCIMW-20	SCI	H/Q	1/20/97	7.67	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--		
SCIMW-22	SCI	P	5/6/97	8.22	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--		
SCIMW-24	SCI	N	5/6/97	4.44	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	70	--	5.91	--	<9.4	--		
SCIMW-24	SCI	N	9/18/98	4.96	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	
SCIMW-24	SCI	N	5/6/99	5.14	--	<10	--	<10	--	<10	--	<10	--	<10	--	<10	--	<10	--	<10	--	<10	--	<10	--	<10	--	77	--	<10	--	<10	--	
SCIMW-28	SCI	Q	9/25/98	7.83	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	
SCIMW-33	SCI	III	10/6/98	7.15	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	
SCIMW-34	SCI	R	10/20/97	4.88	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--
SCIMW-34	SCI	R	9/24/98	4.87	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			
SCIMW-34	SCI	R	12/11/98	4.91	<9.6	<9.4	<9.6	<9.4	<9.6	<9.4	<9.6	<9.4	<9.6	<9.4	<9.6	<9.4	<9.6	<9.4	<9.6	<9.4	<9.6	<9.4	<9.6	<9.4	<9.6	<9.4	<9.6	<9.4	<9.6	<9.4	<9.6	<9.4		
SCIMW-35	SCI	R	10/20/97	4.87	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--

Notes:  
a: 2-Methylnaphthalene detected at 410 µg/L in MW-6  
b: 2-Methylnaphthalene detected at 6.0 µg/L in SCIMW-2  
c: 2-Methylnaphthalene detected at 24 µg/L in SCIMW-24  
µg/L = micrograms per liter or parts per billion  
J = Estimated value  
-- = Not tested  
Groundwater measurements presented are those collected on the first day of sampling for the event and may not be the same as the date sampled.

TABLE 8  
HEAVY METAL CONCENTRATIONS IN GROUNDWATER  
NINTH AVENUE TERMINAL STUDY AREA

SAMPLE DESIGNATION	CONSULTANT	DESCRIPTION	SITE REF AREA	SAMPLED	GROUNDWATER ELEVATION Port of Oak. Datum (feet)	ANTIMONY (µg/L)	ARSENIC (µg/L)	BARIUM (µg/L)	BERYLLIUM (µg/L)	CADMIUM (µg/L)	TOTAL CHROMIUM (µg/L)	CHROMIUM VI (µg/L)	COBALT (µg/L)	COPPER (µg/L)	LEAD (µg/L)	MERCURY (µg/L)	MOLYBDENUM (µg/L)	NICKEL (µg/L)	POTASSIUM (µg/L)	SELENIUM (µg/L)	SILVER (µg/L)	THALLIUM (µg/L)	VANADIUM (µg/L)	ZINC (µg/L)
MW-5	SCI	Filtered	F	1/20/97	8.38	<60	10	49	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	6.5	<5.0	<5.0	<10	26
MW-5	SCI	Filtered	F/H	5/6/97	6.45	--	--	--	--	--	--	50	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	SCI	Filtered	F	9/5/96	6.67	<60	8.9	420	<2.0	<2.0	<10	--	<20	<10	3.5	<0.20	<20	<20	--	27	<5.0	<5.0	<10	<20
MW-6	SCI	Filtered	F/H	5/6/97	7.04	--	--	--	--	--	--	20	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	SCI	Filtered	M	9/5/96	5.48	<60	10	78	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	20	<5.0	<5.0	<10	<20
MW-7	SCI	Filtered	M	1/17/97	6.48	<60	12	44	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	23	<5.0	<5.0	<10	<20
SCIMW-1	SCI	Unfiltered	E/H	5/24/96	5.09	<60	45	1,000	2.8	2.3	63	--	<20	1,800	2,300	<0.20	<20	68	--	7.8	<5.0	<5.0	62	1,000
SCIMW-1	SCI	Filtered	E/H	5/24/96	5.09	<60	<5.0	170	2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	8.3	<5.0	<5.0	<10	<20
SCIMW-1	SCI	Filtered	E/H	9/6/96	4.39	<60	<5.0	150	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	17	<5.0	<5.0	<10	<20
SCIMW-1	SCI	Filtered	E/H	1/22/97	5.29	<60	<5.0	170	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	33	--	7.7	<5.0	<5.0	<10	210
SCIMW-2	SCI	Unfiltered	N	5/23/96	4.04	<60	14	90	<2.0	<2.0	12	--	<20	<10	2,300	0.64	<20	<20	--	14	<5.0	<5.0	<10	38
SCIMW-2	SCI	Filtered	N	5/23/96	4.04	<60	11	490	<2.0	<2.0	<10	--	<20	69	62	<0.20	<20	<20	--	22	<5.0	<5.0	<10	110
SCIMW-2	SCI	Filtered	N	9/4/96	3.38	<60	15	320	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	<20
SCIMW-2	SCI	Filtered	N	1/17/97	3.82	<60	6.6	340	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	<20
SCIMW-2	SCI	Filtered	N	9/18/98	4.07	<60	5.0	430	<2.0	<5.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	10	<5.0	<5.0	<10	<20
SCIMW-2	SCI	Filtered	N	12/10/98	3.52	<60	9.6	--	<2.0	<5.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	49
SCIMW-2	SCI	Filtered	N	5/7/99	4.52	<60	11.0	900	<2.0	<5.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	9.5	<5.0	<5.0	<10	24
SCIMW-2	SCI	Filtered	N	8/26/99	3.00	<60	6.8	300	<2.0	<5.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	<20
SCIMW-3	SCI	Unfiltered	I/J	5/23/96	7.22	<60	<5.0	<10	<2.0	<2.0	<10	--	58	<10	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	<20
SCIMW-3	SCI	Filtered	I/J	5/23/96	7.22	<60	<5.0	42	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	8.2	<5.0	<5.0	<10	<20
SCIMW-3	SCI	Filtered	I/J	9/5/96	6.67	<60	8.5	170	<2.0	<2.0	<10	--	<20	<10	4.6	<0.20	<20	<20	--	31	<5.0	<5.0	<10	<20
SCIMW-3	SCI	Filtered	I/J	1/20/97	6.46	<60	23	110	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	31	<5.0	<5.0	<10	<20
SCIMW-4	SCI	Filtered	L	8/26/96	5.50	<60	12	37	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	22	<5.0	<5.0	<10	<20
SCIMW-4	SCI	Filtered	L	1/22/97	8.43	<60	6.6	16	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	25	<5.0	<5.0	<10	<20
SCIMW-5	SCI	Filtered	M	9/3/96	4.63	<60	<5.0	290	2.0	2.0	<10	--	<20	<10	<3.0	0.23	<20	<20	--	<5.0	<5.0	<5.0	<10	<20
SCIMW-5	SCI	Filtered	M	1/20/97	6.12	<60	<5.0	62	2.7	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	25
SCIMW-6	SCI	Filtered	C	8/28/96	4.69	<60	<5.0	100	2.1	<2.0	<10	--	<20	59	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	240
SCIMW-6	SCI	Filtered	C	1/22/97	4.68	<60	<5.0	30	<2.0	<2.0	<10	--	<20	20	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	72

TABLE 8  
HEAVY METAL CONCENTRATIONS IN GROUNDWATER  
NINTH AVENUE TERMINAL STUDY AREA



SAMPLE DESIGNATION	CONSULTANT	DESCRIPTION	SITE REF AREA	SAMPLED	GROUNDWATER ELEVATION Port of Oak. Datum (feet)	ANTIMONY (µg/L)	ARSENIC (µg/L)	BARIUM (µg/L)	BERYLLIUM (µg/L)	CADMIUM (µg/L)	TOTAL CHROMIUM (µg/L)	CHROMIUM VI (µg/L)	COBALT (µg/L)	COPPER (µg/L)	LEAD (µg/L)	MERCURY (µg/L)	MOLYB-DENUM (µg/L)	NICKEL (µg/L)	POTAS-SIUM (µg/L)	SELE-NIUM (µg/L)	SILVER (µg/L)	THAL-LIUM (µg/L)	VANA-DIUM (µg/L)	ZINC (µg/L)
SCIMW-6	SCI	Filtered	C	9/23/98	4.38	<60	<5.0	73	2.5	<5.0	<10	--	<20	290	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	80
SCIMW-6	SCI	Filtered	C	12/10/98	3.91	<60	<5.0	48	<2.0	<5.0	<10	--	<20	75	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	74
SCIMW-6	SCI	Filtered	C	5/6/99	4.39	<60	<5.0	30	<2.0	<5.0	<10	--	<20	21	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	63
SCIMW-6	SCI	Filtered	C	8/26/99	6.56	<60	<5.0	43	<2.0	<5.0	<10	--	<20	26	4.3	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	110
SCIMW-7	SCI	Filtered	P/Q	9/6/96	3.31+	<60	24	290	<2.0	<2.0	<10	--	<20	13	<3.0	0.52	<20	29	--	18	<5.0	<5.0	12	<20
SCIMW-7	SCI	Filtered	P/Q	1/20/97	7.32	<60	19	430	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	83	--	18	<5.0	<5.0	<10	<20
SCIMW-8	SCI	Filtered	I	8/26/96	7.11	<60	8.9	72	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	23	--	43	<5.0	<5.0	<10	21
SCIMW-8	SCI	Filtered	I	1/21/97	7.70	<60	23	57	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	10	<5.0	<5.0	<10	22
SCIMW-9	SCI	Filtered	I	8/29/96	6.40	<60	21	61	<2.0	<2.0	<10	--	<20	<10	3.1	0.20	<20	<20	--	37	<5.0	<5.0	<10	<20
SCIMW-9	SCI	Filtered	I	1/23/97	6.66	<60	16	89	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	49	--	40	<5.0	<5.0	<10	150
SCIMW-10	SCI	Filtered	J	8/26/96	7.95	<60	15	55	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	42	<5.0	<5.0	<10	<20
SCIMW-10	SCI	Filtered	J	1/23/97	7.87	<60	24	49	2.3	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	48	<5.0	<5.0	<10	<20
SCIMW-11	SCI	Filtered	N	8/28/96	3.83	<60	<5.0	210	<2.0	<2.0	<10	--	<20	<10	<3.0	0.62	<20	<20	--	16	<5.0	<5.0	<10	<20
SCIMW-11	SCI	Filtered	N	1/17/97	4.32	<60	6.2	300	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	6.6	<5.0	<5.0	<10	<20
SCIMW-11	SCI	Filtered	N	9/23/98	4.72	<60	<5.0	180	<2.0	<5.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	<20
SCIMW-11	SCI	Filtered	N	12/10/98	3.32	<60	<5.0	250	<2.0	<5.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	<20
SCIMW-11	SCI	Filtered	N	5/6/99	3.48	<60	<5.0	94	<2.0	<5.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	<20
SCIMW-12	SCI	Filtered	O	8/29/96	4.09	<60	5.1	64	2.5	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	<20
SCIMW-12	SCI	Filtered	O	1/17/97	4.53	<60	<5.0	28	2.7	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	<20
SCIMW-13	SCI	Filtered	J	8/29/96	7.21	<60	20	33	<2.0	<2.0	<10	--	<20	<10	3.2	<0.20	<20	<20	--	43	<5.0	<5.0	<10	<20
SCIMW-13	SCI	Filtered	J	1/23/97	6.93	<60	19	21	<2.0	2.1	<10	--	<20	<10	3.7	<0.20	<20	<20	--	40	<5.0	<5.0	<10	<20
SCIMW-14	SCI	Filtered	I/J	8/29/96	5.36	<60	9.7	130	<2.0	<2.0	<10	--	<20	<10	5.3	<0.20	<20	<20	--	34	<5.0	<5.0	<10	<20
SCIMW-14	SCI	Filtered	I/J	1/21/97	5.64	<60	<5.0	15	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	<20
SCIMW-15	SCI	Filtered	I/J	8/29/96	4.85	<60	16	570	<2.0	<2.0	<10	--	<20	<10	3.2	<0.20	<20	<20	--	40	<5.0	<5.0	<10	<20
SCIMW-15	SCI	Filtered	I/J	1/17/97	5.01	<60	13	550	<2.0	<2.0	<10	--	<20	<10	5.5	<0.20	<20	<20	--	33	<5.0	<5.0	<10	<20
SCIMW-16	SCI	Filtered	R	8/30/96	6.81	<60	14	300	3.1	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	40	<5.0	<5.0	12	<20
SCIMW-16	SCI	Filtered	R	1/22/97	7.03	<60	14	220	3.6	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	22	<5.0	<5.0	26	<20
SCIMW-17	SCI	Filtered	R	8/29/96	6.55	<60	17	960	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	18	<5.0	<5.0	<10	<20

TABLE 8  
HEAVY METAL CONCENTRATIONS IN GROUNDWATER  
NINTH AVENUE TERMINAL STUDY AREA

SAMPLE DESIGNATION	CONSULTANT	DESCRIPTION	SITE REF AREA	SAMPLED	GROUNDWATER ELEVATION Port of Oak. Datum (feet)	ANTIMONY (µg/L)	ARSENIC (µg/L)	BARIUM (µg/L)	BERYLLIUM (µg/L)	CADMIUM (µg/L)	TOTAL CHROMIUM (µg/L)	CHROMIUM VI (µg/L)	COBALT (µg/L)	COPPER (µg/L)	LEAD (µg/L)	MERCURY (µg/L)	MOLYBDENUM (µg/L)	NICKEL (µg/L)	POTASSIUM (µg/L)	SELENIUM (µg/L)	SILVER (µg/L)	THALLIUM (µg/L)	VANADIUM (µg/L)	ZINC (µg/L)
SCIMW-17	SCI	Filtered	R	1/22/97	7.67	<60	<5.0	270	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	15	<5.0	<5.0	<10	<20
SCIMW-18	SCI	Filtered	L	9/6/96	5.22+	<60	20	160	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	26	--	22	<5.0	<5.0	19	<20
SCIMW-18	SCI	Filtered	L	1/20/97	6.98	<60	21	250	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	38	<5.0	<5.0	<10	<20
SCIMW-19	SCI	Filtered	R	8/30/96	6.16	<60	32	140	<2.0	<2.0	<10	--	<20	<10	6.2	<0.20	<20	<20	--	32	<5.0	<5.0	11	<20
SCIMW-19	SCI	Filtered	R	1/21/97	7.42	<60	23	150	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	22	--	24	<5.0	<5.0	<10	<20
SCIMW-20	SCI	Filtered	H/Q	9/3/96	7.03	<60	9.5	930	<2.0	<2.0	<10	--	<20	<10	<3.0	0.24	<20	<20	--	20	<5.0	<5.0	<10	<20
SCIMW-20	SCI	Filtered	H/Q	1/20/97	7.67	<60	6.8	1,600	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	18	<5.0	<5.0	<10	41
SCIMW-20	SCI	Filtered	H/Q	10/7/98	6.79	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
SCIMW-21	SCI	Filtered	D	5/6/97	7.44	--	--	--	--	--	--	--	--	--	7.2	--	--	--	110,000	--	--	--	--	--
SCIMW-22	SCI	Filtered	P	5/6/97	8.22	--	--	--	--	--	--	70	--	--	--	--	--	--	170,000	--	--	--	--	--
SCIMW-23	SCI	Filtered	B	5/6/97	5.55	<60	22	56	<2.0	<5.0	<10	80	<20	<10	<3.0	<0.20	<20	<20	16,000	20	<5.0	<5.0	<10	25
SCIMW-24	SCI	Filtered	N	5/6/97	4.44	--	--	--	--	--	--	160	--	--	6.3	--	--	--	--	--	--	--	--	--
SCIMW-24	SCI	Filtered	N	9/18/98	4.96	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
SCIMW-24	SCI	Filtered	N	12/11/98	5.79	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
SCIMW-24	SCI	Filtered	N	5/6/99	5.14	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
SCIMW-25	SCI	Filtered	H	5/7/97	7.30	<60	9.2	56	<2.0	<5.0	<10	60	<20	<10	<3.0	0.26	<20	28	--	14	<5.0	<5.0	<10	<20
SCIMW-26	SCI	Filtered	H	5/6/97	8.15	<60	20	2,900	<2.0	<5.0	<10	140	<20	<10	<3.0	<0.20	<20	<20	--	15	<5.0	<5.0	<10	<20
SCIMW-27	SCI	Filtered	E/H	5/6/97	6.45	<60	10	480	<2.0	<5.0	<10	60	<20	<10	<3.0	<0.20	<20	<20	--	21	<5.0	<5.0	<10	<20
SCIMW-28	SCI	Filtered	Q	5/7/97	8.34	--	--	--	--	--	--	90	--	--	6.9	--	--	--	--	--	--	--	--	--
SCIMW-28	SCI	Filtered	Q	9/25/98	7.83	<60	15	96	2.6	<5.0	<10	--	<20	13	4.1	<0.20	<20	<20	--	<5.0	<5.0	<5.0	11	260
SCIMW-28	SCI	Filtered	Q	5/6/99	8.98	<60	25	19	<2.0	<5.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	12	<5.0	<5.0	<5.0	<20
SCIMW-29	SCI	Filtered	H	5/20/97	7.48	<60	<5.0	160	<2.0	<5.0	<10	<10	<20	12	<3.0	<0.20	<20	<20	--	34	<5.0	<5.0	<10	50
SCIMW-34	SCI	Filtered	H	9/24/98	4.87	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
SCIMW-34	SCI	Filtered	H	12/11/98	4.91	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
SCIMW-34	SCI	Filtered	H	5/6/99	4.49	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
SCIMW-34	SCI	Filtered	H	8/26/99	6.86	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--

µg/L = micrograms per liter or parts per billion  
<60 = Compound not detected at or above stated reporting limit

-- = Not tested  
+ = Groundwater level may not be stabilized

Groundwater measurements presented are those collected on the first day of sampling for the event and may not be the same as the date sampled.

TABLE 9  
 CYANIDE, NITRATE AND PHOSPHORUS CONCENTRATIONS  
 IN GROUNDWATER  
 NINTH AVENUE TERMINAL STUDY AREA

SAMPLE DESIGNATION	CONSULTANT	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Port of Oak. Datum (FEET)	CYANIDE (µg/L)	NITRATE/ NITRITE-N (µg/L)	TOTAL PHOSPHORUS (µg/L)
MW-5	SCI	F/H	5/6/97	6.45	<10	--	--
MW-6	SCI	F/H	5/6/97	7.04	<10	--	--
SCIMW-21	SCI	D	5/6/97	7.44	--	<50	1,100
SCIMW-22	SCI	P	5/6/97	8.22	<10	<50	4,000
SCIMW-23	SCI	B	5/6/97	5.55	<10	<50	9,300
SCIMW-24	SCI	N	5/6/97	4.44	20	--	--
SCIMW-25	SCI	H	5/7/97	7.30	<10	--	--
SCIMW-26	SCI	H	5/6/97	8.15	<10	--	--
SCIMW-27	SCI	E/H	5/6/97	6.45	<10	--	--
SCIMW-28	SCI	Q	5/7/97	8.34	<10	--	--
SCIMW-29	SCI	H	5/20/97	7.48	<10	--	--

Notes:

µg/L = micrograms per liter or parts per billion

-- = Not tested

<10 = Compound not detected at or above stated reporting limit

Groundwater measurements presented are those collected on the first day of sampling for the event and may not be the same as the date sampled.