PORT OF OAKLAND

December 5, 2001

DEC 17 2001

Mr. Barney Chan
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

RO106

Subject: **Groundwater Monitoring Report, May 2001 Semi-Annual Event, and Well Decommissioning Report dated November 30, 2001, Ninth Avenue Terminal, Oakland**

Dear Mr. Chan:

Please find enclosed the results of the semi-annual groundwater monitoring event performed in May 2001, for the above-referenced site. Also included in the report, as an appendix is the previously submitted well decommissioning report. The report is submitted again here for project continuity and clarity purposes.

If you have any questions, please contact me at (510) 627-1184.

Sincerely,

Douglas P. Herman
Associate Port Environmental Scientist

encl: Groundwater Monitoring Report, May 2001 Semi-Annual Event

cc (w/o encl): Jeriann Alexander

(w/ encl): Anne Henny, Port CRE
Diane Mims, URS Corporation
Gretchen Snoey, Lowney Associates (Signature Properties consultant)

530 Water Street ■ Jack London Square ■ P.O. Box 2064 ■ Oakland, California 94604-2064
Telephone (510) 272-1100 ■ Fax (510) 272-1172 ■ TDD (510) 763-5703 ■ Cable address, PORTOFOAK, Oakland

Cc w/encl: Jonathan Redding
Michele Heffes

C:\win\mydocs\projects\9thAvenue\2001 semi annual transmittal

SCI Subsurface Consultants, Inc.

November 30, 2001
SCI 133.018

Mr. Douglas Herman
Environmental Health & Safety Compliance Department
Port of Oakland
530 Water Street, Second Floor
Oakland, CA 94607-2064

Groundwater Monitoring Program Report
May 2001 Semi -Annual Event and Well Abandonment Activities
Ninth Avenue Terminal
Oakland, California

Dear Mr. Herman:

This report presents the results of the semi-annual groundwater monitoring event conducted in May 2001 and well abandonment activities at the Ninth Avenue Terminal (Site) by Subsurface Consultants, Inc. (SCI). The location of the Site is shown on Plate 1.

Previous characterization studies indicate that petroleum hydrocarbons, as well as, other potentially hazardous chemicals and metals have impacted soil and groundwater at the Site. Monitoring is being performed on a semi-annual basis in general accordance with the monitoring plan presented in SCI's June 15, 2000 Groundwater Monitoring Report, and amended by Alameda County Health Care Services Agency (ACHCSA) in letters dated July 11 and July 27, 2000 (Appendix A). The current groundwater monitoring program is outlined in the attached Table 1.

MONITORING ACTIVITIES

This semi-annual event was conducted May 1 through May 4, 2001. Prior to sampling, the depth to water was measured from below the top of the casing in all active wells, with an electric well sounder. Wells located along the Clinton and Brooklyn Basin shorelines are tidally influenced, while interior wells and those located in close proximity to the concrete bulkhead wall are not. Groundwater level measurements were therefore obtained from tidally influenced wells first, to minimize the potential for discrepancies in elevation between wells across the Site. A summary of groundwater measurements is presented in Table 2.

Wells MW-4 and MW-6 were checked for the presence of free product, using a steel tape coated with petroleum sensitive paste. No free product was observed in well MW-6. A trace amount of

Free product was detected in well MW-4 in the immediate vicinity of the KOT 1992 point of release. Approximately 2 gallons of a water and free product mixture was removed from the well using a disposable bailer and placed in a 55-gallon drum, which is stored on-site. Due to the presence of free product, well MW-4 was not purged or sampled during this event. The "oil filled manhole" was also checked for the presence of free product; no free product was observed.

In total, twelve wells were purged and sampled using disposable bailers during this event. The bailers were decontaminated and discarded after each use. The pH, temperature, TDS[1], Eh[2] and DO[3] 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 this event. Water generated during purging was placed into 55-gallon drums, which were stored on-site. Well Sampling Forms are included in Appendix B.

Groundwater samples were obtained once the wells had recharged to 80% of their initial volume. 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 cooled chests and remained iced until delivery to the analytical laboratory. Chain-of-Custody forms accompanied the samples to the laboratory.

Analytical Testing Program and Results

The chemical testing program for the semi-annual event, as outlined in Table 1, was conducted by Curtis & Tompkins, Ltd., a State of California Department of Health Services certified analytical laboratory that has provided all previous analytical services in conjunction with SCI's studies at the Site. Analytical test results are presented in Tables 3 through 9. These tables are comprehensive as they present all groundwater data generated to date for Site wells. Analytical test reports and chain-of-custody forms are included in Appendix C. The test result data are summarized below:

Ecological Parameter Data - Table 3 presents ecological parameter test results of samples from the selected wells sampled during this event. These parameters include field measurements of pH, Eh, TDS, temperature and DO.

In general, initial down-hole pH readings ranged between about 5.48 and 6.81. These readings are considered within the normal range, when compared to background readings across the Site. The highest pH reading was recorded in well MW-5 at 6.81.

TDS readings ranged from about 400 to 17,020 mg/L during this event. Well SCIMW-28 registered a TDS value of 400 mg/L. Well SCIMW-28 is located near the depressed trackage adjacent to the Lakeside Metals area. This well has historically had very low TDS values, likely

[1] TDS = Total Dissolved Solids
[2] Eh = Redox potential or oxidizing-reduction potential
[3] DO = dissolved oxygen. Initial DO readings were recorded down-hole.

associated with fresh water intrusion due to runoff of the Site. The highest TDS readings were recorded in wells SCIMW-2 and SCIMW-31D at 10,910 and 17,020 mg/L, respectively. Well SCIMW-2 is a perimeter well that is tidally influenced, i.e. salt water with high TDS values readily infiltrates this well. Well SCIMW-31D is completed in a deeper aquifer than the other Site wells and consistently has had high TDS levels.

DO readings ranged from about 1.4 to 9.1. The DO reading from well SCIMW-15 was 1.44 mg/L. This low reading is most likely associated with stagnant water, as a result of its close proximity to the concrete bulkhead wall. The concrete bulkhead disrupts normal groundwater flow by preventing natural ebb and flow. The highest DO readings were recorded from wells SCIMW-11 and SCIMW-24, at 6.73 and 9.12 mg/L, respectively. High DO readings are an indication that sufficient oxygen exists to promote and support microbial activity.

Chemical Data - The data generated to date suggests that impacts to groundwater resulting from petroleum hydrocarbons are widespread at the Site, with concentrations in specific source areas remaining relatively high. Other chemical and heavy metal impacts to groundwater resulting from previous Site activities appear localized to their respective areas of use.

Specific results of interest are outlined below:

- TEH as diesel was non-detect in wells MW-5, SCIMW-11, SCIMW-15, and SCIMW-34. The concentrations of TEH in the other wells ranged from 53 parts per billion (ppb) at well SCIMW-23 to 5,300 ppb at well SCIMW-24.
- TEH as motor oil was non-detect in wells MW-5, SCIMW-11, SCIMW-15, and SCIMW-23. TEH as motor oil was detected in wells SCIMW-2 at 730 ppb and SCIMW-24 at 3,600 ppb.
- Chlorinated pesticide analyses were conducted on samples collected from well SCIMW-7. No chlorinated pesticides have been detected from samples collected from well SCIMW-7 since October 1997.
- Wells MW-5, SCIMW-7, SCIMW-30, SCIMW-31D, SCIMW-33, and SCIMW-34 were tested for VOCs. Well MW-5 contained concentrations of acetone (11 ppb). Well SCIMW-7 contained concentrations of chloroethane (3,900 ppb), cis-1,1 dichloroethane (1,1 DCA @ 15,000 ppb), cis 1,1 dichloroethene (1,200 ppb), cis 1,2 dichloroethene (98,000 ppb), trans 1,2 DCE (760 ppb), 1,1,1- Trichloroethane (34,000 ppb), trichloroethene (6,000 ppb), vinyl chloride (8,400 ppb) benzene (6,000 ppb) and ethylbenzene (7,800 ppb). These concentrations have dramatically increased since the previous event. The increased concentrations may be due in part to active mobilization of VOCs at specific groundwater depths. Concentrations of carbon disulfide (1.0 ppb), 1,1 DCA (3.0 ppb), and 1,2 DCA (1.2 ppb) were detected in well SCIMW-30. Well SCIMW-33 contained concentrations of dichlorobenzene (210 ppb), isopropylbenzene (2.4 ppb), 1,2,4- trimethylbenzene (1.6), naphthalene (1.4 ppb) and benzene (1.9 ppb) and for cadmium, chromium, nickel and zinc the sample contained 23 ppb of nickel and 43 ppb of zinc. No detectable concentrations of VOCs were measured in wells SCIMW-31D and SCIMW-34.

- A filtered sample from well SCIMW-34 was tested for PNAs. No detectable concentrations of PNAs were measured in well SCIMW-34.
- Filtered samples from wells SCIMW-2 and SCIMW-28 were submitted for heavy metal analyses. Well SCIMW-2 contained 380 ppb of barium and 31 ppb of zinc. Well SCIMW-28 contained 5.0 ppb of arsenic, 25 ppb of barium, 5.1 ppb of cadmium, 71 ppb of copper, 110 ppb of lead, and 510 ppb of zinc.
- TVH as gasoline was tested for in wells MW-5, SCIMW-11, SCIMW-24, and SCIMW-34, and was detected at 91 ppb, 140 ppb, ,300 ppb, and 7,100 ppb, respectively.
- BTEX was tested for in wells MW-5, SCIMW-11, SCIMW-24, SCIMW-33 and SCIMW-34. BTEX was non detectable in wells MW-5, SCIMW-11 and SCIMW-34. The sample from well SCIMW-24 contained 2,700 ppb of benzene, 160 ppb of toluene 64 ppb of ethylbenzene and 100 ppb of xylenes.
- MTBE analyses were conducted on samples from wells MW-5, SCIMW-31D, SCIMW-33 and SCIMW-34. MTBE was not detected in any well[4].

Table 8 includes historic data for cyanide, nitrate and phosphorous. No samples were analyzed for these compounds during this event, and no further testing of these analytes is included in the ongoing groundwater program. These data are presented herein to keep the entirety of analytical data for the monitoring wells intact.

DISCUSSION

Groundwater Elevation and Flow Patterns - The approximate groundwater elevation contours for this event are presented on Plate 2. 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 appears to act as an inhibitor to the flow of groundwater. The contours indicate that groundwater migrates to open shoreline areas.

LOP Sites Annual Review - Within the Site, there are five individual ACHCSA Local Oversite Program (LOP) sites. SCI reviewed and evaluated the data germane, in our opinion, to each of these LOP sites; a summary of which is presented below:

- **LOP No. 3335 - Keep on Trucking (KOT) Shop Tank at Bldg. H-107** – The former UST at this location, installed circa 1971, was removed in October 1994 by others. Soil and groundwater samples collected in the former tank area indicated some impact did exist from diesel range hydrocarbons. Well MW-7 was installed to monitor conditions in the former tank. Well MW-7 was monitored from 1995 to January 1997, and relatively low

[4] Method 8260B was used to analyze for MTBE, with a detection limit of 0.5 ppb.

concentrations of diesel range petroleum hydrocarbons were detected (200 ppb in January 1997). The ACHCSA approved in 1998 that the well no longer needed to be monitored in 1998 and currently the well is only used for obtaining water level data on a semi-annual basis.

- **LOP No. 225 - Former Cannery Tanks at Building H-211** - The former boiler fuel supply USTs associated with the cannery which operated within former Building H-211 from the early 1930's through the late 1960's still remain in-place. The existing KOT office building, however, is situated over the top of the UST location, which makes it difficult to confirm their exact location.

  Well SCIMW-27 was installed to monitor conditions in the area of the former USTs. Well SCIMW-27 has not been sampled since November 1999, previously it had been non detect for diesel and motor oil range hydrocarbons since November 1998. The ACHCSA approved in 1998 that the well no longer needed to be monitored for chemical constituents; currently the well is only used for obtaining water level data on a semi-annual basis.

- **LOP No. 6895 – Former Building H-209 Tanks** – Two underground storage tanks (USTs) are believed to exist in the area of the former Building H-209. One tank was encountered during exploratory test pit excavations conducted by SCI in February 1997. The second tank has not been encountered during field exploration activities conducted to date, as it may lie below the existing building H-229. The tanks were installed circa 1958, and were reportedly in use from 1958 to 1960. It is unknown if the tanks were used by others after 1960.

  Soil samples collected from the tank area were found to be impacted by diesel and motor oil range hydrocarbons. Grab groundwater samples collected from a test pit and a boring adjacent to the former tank area were impacted by gasoline, diesel and motor oil range hydrocarbons. There have not been any wells installed in this area to monitor groundwater conditions.

- **LOP No. 5067 - Marine Terminals Corporation (MTC) Shop Tanks at Building H-317 –** A 1954 tank installation map shows two 1,000 gallon UST's situated end to end between the west side of Building H-317 and the ramp leading to Building H-309. This UST area is situated within about 150 feet of the Brooklyn Basin shoreline; the shoreline is not protected.

  In 1975 there was a documented release of about 200 gallons of gasoline from this area to the estuary, and the Port subsequently obtained a permit to remove the two UST's. The removal of the UST pre-dated the requirement that samples be obtained and analyzed.

  Review of Site maps indicate that an active storm drain line extends through the former UST area. In October 1997, several test pits were excavated and borings were extended by SCI in the former UST area. The 1997 analytical data suggested that the soil in the area contained concentrations of gasoline and motor oil range petroleum hydrocarbons, lead, benzene, toluene, ethylbenzene and xylenes.

  Wells SCIMW-34 and SCIMW-35 were subsequently installed by SCI in the area of the former UST. Based on current data neither well contains detectable concentrations of

gasoline or diesel range petroleum hydrocarbons, and MTBE was not detected in samples from well SCIMW-34.

- **LOP No. 6894 - Card Lock Tanks at Former Bldg. H-204** – The former Building H-204 was constructed in 1945 as a gasoline service station operated as part of a bulk fuel processing area. This UST area is situated within about 100 feet inland from the Clinton Basin shoreline; the shoreline is unprotected.

  It is believed that two 1,000-gallon tanks were installed and utilized at this location between 1945 through 1974. H-204 was demolished in 1974. Gasoline impacted soil and groundwater have been encountered by various studies conducted in the specific area by SCI and others. Well SCIMW-24 was installed by SCI to monitor groundwater conditions. During this event, well SCIMW-24 contained 5,400 ppb of gasoline range petroleum hydrocarbons, 1,200 ppb of diesel range petroleum hydrocarbons, 1,600 ppb of benzene, 36 ppb of toluene, 59 ppb of toluene, and 69 ppb of xylenes, no MTBE was detected. Free-floating product has been detected (August 1999) in this well.

WELL ABANDONMENT

In accordance with our Groundwater Monitoring Program Report dated June 15, 2000 and as approved by the ACHCSA in their letter dated July 11, 2000; wells MW-1, SCIMW-5, SCIMW-14, SCIMW-17, SCIMW-20, and SCIMW-25 have been abandoned. The well decommissioning work was completed under Alameda County Public Works Agency (ACPWA) Drilling permit requirements as well as California Department of Water Resources (DWR) requirements. Details of these activities were documented in SCI's letter dated July 31, 2001, a copy of which is presented in Appendix D.

WASTE DISPOSAL

SCI coordinated, through the Port, the offsite disposal of purge water generated from the groundwater monitoring events and the materials generated during well decommissioning activities. In total, 6 drums of purge water, and 6 drums of well materials and soil cuttings were removed from the Site by Foss Environmental Services in August 2001. A copy of the Uniform Hazardous Waste Manifest is presented in Appendix E.

ONGOING MONITORING

The annual groundwater monitoring event is currently being conducted in accordance with the approved program.

If you have any questions, please call either of the undersigned at (510) 268-0461.

Yours very truly,

Subsurface Consultants, Inc.

Emily Silverman
Staff Geologist

Jeriann Alexander
Civil Engineer 40469 (exp. 3/31/03)
Registered Environmental Assessor 03130 (exp. 7/02)

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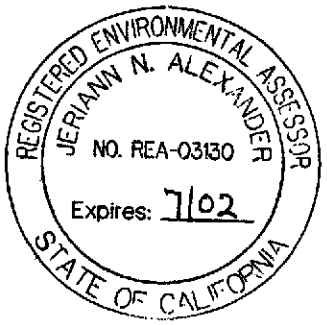

Tables:
- Table 1 - Groundwater Monitoring Program
- Table 2 - Summary of Groundwater Elevation Data
- Table 3 - Ecological Parameter Results in Groundwater
- Table 4 - Petroleum Hydrocarbon, BTEX, Pesticide and PCB Concentrations in Groundwater
- Table 5 - Volatile Organic Concentrations in Groundwater
- Table 6 - Semi-Volatile Organic Concentrations in Groundwater
- Table 7 - Polynuclear Aromatic Concentrations in Groundwater
- Table 8 - Heavy Metal Concentrations in Groundwater
- Table 9 - Cyanide, Nitrate and Phosphorus Concentrations in Groundwater

Illustrations:
- Plate 1 - Vicinity Map
- Plate 2 – Groundwater Elevations May 2001

Appendices: A – ACHCSA Letters Dated July 11 and July 27, 2000
B - Well Sampling Forms
C - Analytical Test Reports and Chain-of-Custody Records
D – Well Decommission Report dated July 31, 2001
E – Uniform Hazardous Waste Manifest dated August 2001

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

Monitoring Well ID	TVH/ 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)	Field Parameters	Water Levels	Free Product Removal	Comments
MW-1										Well Abandoned
MW-2		A					A	SA		
MW-3		A	MTBE				A	SA		
MW-4	A	A	MTBE				A	SA	SA	
MW-5	SA (No TVH)	SA	MTBE				SA	SA		
MW-6	A	A, if FP not present						SA	SA	
MW-7 *STID 3335*								SA		
SCIMW-1		A					A	SA		
SCIMW-2		SA				SA	SA	SA		
SCIMW-3		A					A	SA		
SCIMW-4								SA		
SCIMW-5										Well Abandoned
SCIMW-6								SA		
SCIMW-7		A	SA		SA		SA	SA		
SCIMW-8		A					A	SA		
SCIMW-9		A					A	SA		
SCIMW-10		A					A	SA		
SCIMW-11	SA	SA					SA	SA		
SCIMW-12								SA		

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

Monitoring Well ID	TVH/ 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)	Field Parameters	Water Levels	Free Product Removal	Comments
SCIMW-13		A					A	SA		
SCIMW-14										Well Abandoned
SCIMW-15		SA					SA	SA		
SCIMW-16								SA		
SCIMW-17										Well Abandoned
SCIMW-18		A					A	SA		
SCIMW-19								SA		
SCIMW-20										Well Abandoned
SCIMW-21		A	MTBE				A	SA		
SCIMW-22		A					SA	SA		
SCIMW-23		SA					SA	SA		
SCIMW-24 *STID 6894*	SA	SA		A			SA	SA		
SCIMW-25 *STID 225*										Well Abandoned
SCIMW-26		A	MTBE				A	SA		
SCIMW-27								SA		
SCIMW-28		A				SA	SA	SA		
SCIMW-29			MTBE					SA		

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

Monitoring Well ID	TVH/ 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)	Field Parameters	Water Levels	Free Product Removal	Comments
SCIMW-30		A	SA				SA	SA		
SCIMW-31D			SA				SA	SA		
SCIMW-32								SA		
SCIMW-33		A	SA		A		SA	SA		
SCIMW-34 *STID 5067*	SA	SA	MTBE	SA		SA (Cd, Cr, Ni, Zn only)	SA	SA		
SCIMW-35 *STID 5067*	A							SA		

Notes:

SA = Conducted semi-annually

A = Conducted annually

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

STID = Local Oversite Program's ID number.

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)
MW-1	**TOC Elevation = 9.99**						
9/20/1993	5.20	4.79	none	5/5/1997	5.02	4.97	none
12/1/1993	5.15	4.84	none	6/27/1997	5.12	4.87	none
3/31/1994	4.09	5.90	none	7/23/1997	5.20	4.79	none
6/2/1994	4.82	5.17	none	8/25/1997	5.20	4.79	none
9/30/1994	5.63	4.36	none	9/25/1997	5.28	4.71	none
12/22/1994	5.00	4.99	none	10/30/1997	5.40	4.59	none
4/10/1995	4.94	5.05	none	12/3/1997	5.07	4.92	none
7/24/1995	5.02	4.97	none	12/30/1997	5.13	4.86	none
11/10/1995	5.52	4.47	none	1/28/1998	4.95	5.04	none
2/20/1996	4.49	5.50	none	3/11/1998	4.75	5.24	none
5/23/1996	5.04	4.95	none	3/30/1998	4.82	5.17	none
6/28/1996	5.13	4.86	none	4/27/1998	4.92	5.07	none
7/29/1996	5.21	4.78	none	6/1/1998	4.97	5.02	none
9/3/1996	5.37	4.62	none	6/26/1998	5.05	4.94	none
9/9/1996	5.65	4.34	none	9/17/1998	5.31	4.68	none
9/18/1996	5.35	4.64	none	12/7/1998	5.23	4.76	none
9/23/1996	5.36	4.63	none	5/4/1999	5.21	4.78	none
9/30/1996	5.39	4.60	none	8/25/1999	7.11	2.88	none
10/28/1996	5.09	4.90	none	11/29/1999	5.40	4.59	none
12/2/1996	4.80	5.19	none	4/4/2000	5.30	4.69	none
12/30/1996	4.25	5.74	none	5/1/2001	5.25	4.74	none
1/16/1997	4.37	5.62	none	**Well Abandoned May 31, 2001**			
2/28/1997	4.00	5.99	none				
3/26/1997	4.80	5.19	none				
MW-2	**TOC Elevation = 10.32**						
9/20/1993	4.40	5.92	none	6/27/1997	3.77	6.55	none
12/1/1993	4.75	5.57	none	7/23/1997	3.88	6.44	none
3/31/1994	5.01	5.31	none	8/25/1997	3.88	6.44	none
6/2/1994	4.61	5.71	none	9/25/1997	3.95	6.37	none
9/30/1994	4.93	5.39	none	10/30/1997	5.32	5.00	none
12/22/1994	4.43	5.89	none	12/3/1997	4.98	5.34	none
4/10/1995	4.03	6.29	none	12/30/1997	4.95	5.37	none
7/24/1995	4.41	5.91	none	1/28/1998	4.96	5.36	none
11/10/1995	4.59	5.73	none	3/11/1998	5.02	5.30	none
2/20/1996	3.81	6.51	none	3/30/1998	4.45	5.87	none
5/23/1996	4.41	5.91	none	4/27/1998	4.62	5.70	none
6/28/1996	3.81	6.51	none	6/1/1998	5.15	5.17	none
7/29/1996	3.81	6.51	none	6/26/1998	4.77	5.55	none
9/3/1996	3.98	6.34	none	9/17/1998	5.03	5.29	none
9/9/1996	4.00	6.32	none	12/7/1998	4.96	5.36	none
9/18/1996	4.08	6.24	none	5/3/1999	4.85	5.47	none
9/23/1996	4.08	6.24	none	8/25/1999	5.01	5.31	none
9/30/1996	4.08	6.24	none	11/29/1999	5.05	5.27	none
10/28/1996	4.34	5.98	none	4/4/2000	4.81	5.51	none
12/2/1996	4.30	6.02	none	10/3/2000	5.28	5.04	none
12/30/1996	3.92	6.40	none	5/1/2001	4.90	5.42	none
1/16/1997	3.99	6.33	none				
2/28/1997	3.88	6.44	none				
3/26/1997	3.83	6.49	none				
5/5/1997	3.85	6.47	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)
MW-3	TOC Elevation =	10.18					
9/20/1993	15.20	-5.02+	none	6/27/1997	4.51	5.67	none
12/1/1993	5.70	4.48	none	7/23/1997	4.58	5.60	none
3/31/1994	4.23	5.95	none	8/25/1997	4.62	5.56	none
6/2/1994	3.86	6.32	none	9/25/1997	4.53	5.65	none
9/30/1994	5.44	4.74	none	10/30/1997	4.70	5.48	none
12/22/1994	4.87	5.31	none	12/3/1997	4.10	6.08	none
4/10/1995	7.64	2.54+	none	12/30/1997	4.59	5.59	none
7/24/1995	3.62	6.56	none	1/28/1998	4.59	5.59	none
11/10/1995	5.11	5.07	none	3/11/1998	4.48	5.70	none
2/20/1996	4.14	6.04	none	3/30/1998	4.31	5.87	none
5/23/1996	4.49	5.69	none	4/27/1998	4.26	5.92	none
6/28/1996	--	--	--	6/1/1998	3.92	6.26	none
7/29/1996	4.64	5.54	none	6/26/1998	--	--	--
9/3/1996	4.48	5.70	none	9/17/1998	4.35	5.83	none
9/18/1996	6.42	3.76+	none	12/7/1998	3.56	6.62	none
9/23/1996	6.06	4.12	none	5/4/1999	4.45	5.73	none
9/30/1996	5.18	5.00	none	8/25/1999	6.34	3.84	none
10/28/1996	4.83	5.35	none	11/29/1999	4.74	5.44	none
12/2/1996	4.84	5.34	none	4/4/2000	4.51	5.67	none
12/30/1996	4.84	5.34	none	10/3/2000	4.41	5.77	none
1/16/1997	4.73	5.45	none	5/1/2001	--	--	--
3/5/1997	4.69	5.49	none				
3/26/1997	4.76	5.42	none				
5/5/1997	4.69	5.49	none				
MW-4	TOC Elevation =	11.98					
9/20/1993	5.80	6.18	8.04	3/26/1997	3.90	8.08	trace
12/1/1993	4.10	7.88	trace	5/5/1997	3.92	8.06	0.13
3/31/1994	4.20	7.78	6.96	6/27/1997	4.11	7.87	0.50
6/2/1994	3.88	8.10	6.00	7/23/1997	4.30	7.68	trace
9/30/1994	5.80	6.18	12.00	8/25/1997	3.55	8.43	trace
12/22/1994	3.47	8.51	10.08	9/25/1997	3.91	8.07	trace
4/10/1995	3.80	8.18	0.00	10/30/1997	4.98	7.00	0.13
5/16/1995	3.07	8.91	NA	12/3/1997	3.60	8.38	0.50
7/24/1995	3.65	8.33	0.00	12/30/1997	3.52	8.46	trace
11/10/1995	NA	NA	0.00	1/28/1998	3.02	8.96	0.63
2/20/1996	NA	NA	NA	3/11/1998	3.28	8.70	trace
5/23/1996	2.96	9.02	0.00	3/30/1998	3.29	8.69	trace
6/28/1996	3.93	8.05	2.38	4/27/1998	3.55	8.43	0.25
7/29/1996	5.09	6.89	0.50	6/1/1998	3.02	8.96	0.19
9/3/1996	4.65	7.33	0.25	6/26/1998	3.75	8.23	trace
9/9/1996	5.15	6.83	0.50	9/17/1998	4.45	7.53	0.25
9/18/1996	5.45	6.53	0.13	12/7/1998	3.35	8.63	0.38
9/23/1996	4.80	7.18	0.38	5/4/1999	--	--	--
9/30/1996	4.88	7.10	0.06	8/25/1999	4.65	7.33	0.85
10/28/1996	5.12	6.86	0.25	11/29/1999	5.17	6.81	0.38
12/2/1996	3.22	8.76	2.00	4/4/2000	No Measurements Taken		trace
12/30/1996	2.94	9.04	0.25	5/2/2001	3.85	8.13	trace
1/16/1997	3.22	8.76	trace				
2/28/1997	3.78	8.20	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)
MW-5	TOC Elevation =	11.84					
4/10/95	4.64	7.20	none	9/25/1997	5.40	6.44	none
7/24/95	5.24	6.60	none	10/30/1997	5.45	6.39	none
11/10/95	5.38	6.46	none	12/3/1997	2.42	9.42	none
2/20/96	2.69	9.15	none	12/30/1997	5.04	6.80	none
5/23/96	2.67	9.17	none	1/28/1998	2.79	9.05	none
6/28/1996	5.29	6.55	none	3/11/1998	4.54	7.30	none
7/29/1996	5.35	6.49	none	3/30/1998	4.60	7.24	none
9/3/1996	5.44	6.40	none	4/27/1998	5.18	6.66	none
9/9/1996	5.45	6.39	none	6/1/1998	3.17	8.67	none
9/18/1996	5.51	6.33	none	6/26/1998	5.31	6.53	none
9/23/1996	5.51	6.33	none	9/17/1998	5.44	6.40	none
9/30/1996	5.49	6.35	none	12/7/1998	3.79	8.05	none
10/28/1996	5.56	6.28	none	5/3/1999	5.25	6.59	none
12/2/1996	4.64	7.20	none	8/25/1999	5.46	6.38	none
12/30/1996	2.42	9.42	none	11/29/1999	5.31	6.53	none
1/16/1997	3.46	8.38	none	4/4/2000	5.28	6.56	none
2/28/1997	5.14	6.70	none	5/2/2001	5.10	6.74	none
3/26/1997	5.28	6.56	none				
5/5/1997	5.39	6.45	none				
6/27/1997	5.45	6.39	none				
7/23/1997	5.39	6.45	none				
8/25/1997	5.18	6.66	none				
MW-6	TOC Elevation =	11.86					
4/10/95	4.12	7.74	12.00	9/25/1997	3.94	7.92	7.25
7/24/95	5.19	6.67	13.20	10/30/1997	5.06	6.80	2.00
11/10/95	NA	NA	NA	12/3/1997	4.88	6.98	7.00
2/20/96	NA	NA	NA	12/30/1997	4.53	7.33+	0.25
5/23/96	NA	NA	4.50	1/28/1998	4.47	7.39	0.38
6/28/1996	4.89	6.97	3.00	3/11/1998	4.35	7.51	trace
7/29/1996	5.00	6.86	1.00	3/30/1998	4.45	7.41	trace
9/3/1996	5.19	6.67	0.50	4/27/1998	4.83	7.03	2.00
9/9/1996	5.29	6.57	trace	6/1/1998	4.54	7.32	1.50
9/18/1996	5.34	6.52	trace	6/26/1998	5.02	6.84	3.00
9/23/1996	5.17	6.69	0.13	9/17/1998	5.24	6.62	4.00
9/30/1996	5.10	6.76	0.13	12/7/1998	3.83	8.03	1.75
10/28/1996	5.23	6.63	0.13	5/4/1999	4.65	7.21	0.50
12/2/1996	3.96	7.90	1.00	8/25/1999	5.25	6.61	1.15
12/30/1996	4.55	7.31	0.33	11/29/1999	4.88	6.98	0.67
1/16/1997	4.23	7.63	trace	4/4/2000	No Measurements Taken		trace
2/28/1997	4.54	7.32	0.50	5/1/2001	4.60	7.26	none
3/26/1997	4.54	7.32	trace				
5/5/1997	4.82	7.04	0.50				
6/27/1997	4.82	7.04	0.50				
7/23/1997	--	--	--				
8/25/1997	4.50	7.36	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)
MW-7	TOC Elevation =	10.13					
4/10/1995	4.41	5.72	none	9/25/1997	3.75	6.38	none
7/24/1995	3.72	6.41	none	10/30/1997	3.88	6.25	none
11/10/1995	4.78	5.35	none	12/3/1997	3.58	6.55	none
2/20/1996	4.13	6.00	none	12/30/1997	3.67	6.46	none
5/23/1996	4.69	5.44	none	1/28/1998	3.48	6.65	none
6/28/1996	3.81	6.32	none	3/11/1998	3.64	6.49	none
7/29/1996	4.32	5.81	none	3/30/1998	3.65	6.48	none
9/3/1996	4.65	5.48	none	4/27/1998	3.26	6.87	none
9/9/1996	4.79	5.34	none	6/1/1998	3.67	6.46	none
9/18/1996	4.45	5.68	none	6/26/1998	3.63	6.50	none
9/23/1996	4.28	5.85	none	9/17/1998	3.75	6.38	none
9/30/1996	4.18	5.95	none	12/7/1998	3.82	6.31	none
10/28/1996	4.48	5.65	none	5/3/1999	3.67	6.46	none
12/2/1996	4.88	5.25	none	8/25/1999	3.80	6.33	none
12/30/1996	3.62	6.51	none	11/29/1999	4.00	6.13	none
1/16/1997	3.65	6.48	none	4/4/2000	3.67	6.46	none
2/28/1997	3.71	6.42	none	5/1/2001	4.70	5.43	none
3/26/1997	3.71	6.42	none				
5/5/1997	3.80	6.33	none				
6/27/1997	3.71	6.42	none				
7/23/1997	--	--	--				
8/25/1997	3.73	6.40	none				
SCIMW-1	TOC Elevation =	10.37					
5/23/1996	5.28	5.09	none	10/30/1997	5.79	4.58	none
6/28/1996	5.75	4.62	none	12/3/1997	4.80	5.57	none
7/29/1996	5.81	4.56	none	12/30/1997	4.94	5.43	none
9/3/1996	5.98	4.39	none	1/28/1998	4.59	5.78	none
9/9/1996	6.04	4.33	none	3/11/1998	4.70	5.67	none
9/18/1996	6.04	4.33	none	3/30/1998	4.62	5.75	none
9/23/1996	6.07	4.30	none	4/27/1998	4.84	5.53	none
9/30/1996	6.00	4.37	none	6/1/1998	4.61	5.76	none
10/28/1996	6.10	4.27	none	6/26/1998	4.94	5.43	none
12/2/1996	5.52	4.85	none	9/17/1998	5.35	5.02	none
12/30/1996	4.66	5.71	none	12/7/1998	4.81	5.56	none
1/16/1997	5.08	5.29	none	5/4/1999	5.16	5.21	none
2/28/1997	5.38	4.99	none	8/25/1999	5.85	4.52	none
3/26/1997	5.54	4.83	none	11/29/1999	5.81	4.56	none
5/5/1997	5.86	4.51	none	4/4/2000	5.10	5.27	none
6/27/1997	5.76	4.61	none	10/3/2000	5.62	4.75	none
7/23/1997	5.59	4.78	none	5/1/2001	5.00	5.37	none
8/25/1997	5.41	4.96	none				
9/25/1997	5.60	4.77	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)
SCIMW-2	TOC Elevation =	9.92				Tidally Influenced	
5/23/1996	5.88	4.04	none	10/30/1997	3.32	6.60	none
6/28/1996	7.33	2.59	none	12/3/1997	3.54	6.38	none
7/29/1996	7.43	2.49	none	12/30/1997	3.60	6.32	none
9/3/1996	6.54	3.38	none	1/28/1998	2.42	7.50	none
9/9/1996	4.67	5.25	none	3/11/1998	3.33	6.59	none
9/18/1996	6.50	3.42	none	3/30/1998	7.08	2.84	none
9/23/1996	3.78	6.14	none	4/27/1998	7.36	2.56	none
9/30/1996	6.18	3.74	none	6/1/1998	5.78	4.14	none
10/28/1996	3.72	6.20	none	6/26/1998	7.02	2.90	none
12/2/1996	6.60	3.32	none	9/17/1998	5.85	4.07	none
12/30/1996	4.57	5.35	none	12/7/1998	6.40	3.52	none
1/16/1997	6.10	3.82	none	5/3/1999	5.40	4.52	none
2/28/1997	7.04	2.88	none	8/25/1999	6.92	3.00	none
3/26/1997	6.59	3.33	none	11/29/1999	6.07	3.85	none
5/5/1997	7.03	2.89	none	4/4/2000	7.09	2.83	none
6/27/1997	6.50	3.42	none	10/3/2000	5.89	4.75	none
7/23/1997	7.23	2.69	none	5/1/2001	6.81	3.11	none
8/25/1997	5.90	4.02	none				
9/25/1997	3.81	6.11	none				
SCIMW-3	TOC Elevation =	11.87				Tidally Influenced	
5/23/1996	4.65	7.22	none	10/30/1997	5.55	6.32	none
6/28/1996	4.86	7.01	none	12/3/1997	5.30	6.57	none
7/29/1996	5.03	6.84	none	12/30/1997	5.13	6.74	none
9/3/1996	5.20	6.67	none	1/28/1998	4.71	7.16	none
9/9/1996	5.28	6.59	none	3/11/1998	--	--	--
9/18/1996	5.24	6.63	none	3/30/1998	4.13	7.74	none
9/23/1996	5.26	6.61	none	4/27/1998	4.02	7.85	none
9/30/1996	5.31	6.56	none	6/1/1998	4.30	7.57	none
10/17/1996	5.43	6.44	none	6/26/1998	4.11	7.76	none
10/28/1996	5.58	6.29	none	9/17/1998	7.58	4.29	none
12/2/1996	5.78	6.09	none	12/7/1998	5.56	6.31	none
12/30/1996	5.49	6.38	none	5/3/1999	4.92	6.95	none
1/16/1997	5.41	6.46	none	8/25/1999	5.30	6.57	none
2/28/1997	5.27	6.60	none	11/29/1999	5.70	6.17	none
3/26/1997	4.98	6.89	none	4/4/2000	4.87	7.00	none
5/5/1997	4.93	6.94	none	10/3/2000	5.38	6.49	none
6/27/1997	4.83	7.04	none	5/1/2001	4.94	6.93	none
7/23/1997	4.94	6.93	none				
8/25/1997	5.10	6.77	none				
9/25/1997	5.14	6.73	none				

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

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SCIMW-4	TOC Elevation =	10.03					
9/9/1996	4.53	5.50	none	12/30/1997	2.77	7.26	none
9/18/1996	4.54	5.49	none	1/28/1998	2.95	7.08	none
9/23/1996	4.32	5.71	none	3/11/1998	1.95	8.08	none
9/30/1996	4.37	5.66	none	3/30/1998	2.13	7.90	none
10/28/1996	3.75	6.28	none	4/27/1998	2.45	7.58	none
12/2/1996	2.09	7.94	none	6/1/1998	2.03	8.00	none
12/30/1996	1.00	9.03	none	6/26/1998	2.95	7.08	none
1/16/1997	1.60	8.43	none	9/17/1998	3.83	6.20	none
2/28/1997	2.16	7.87	none	12/7/1998	1.95	8.08	none
3/26/1997	2.68	7.35	none	5/4/1999	2.65	7.38	none
5/5/1997	3.21	6.82	none	8/25/1999	3.75	6.28	none
6/27/1997	3.13	6.90	none	11/29/1999	3.21	6.82	none
7/23/1997	3.65	6.38	none	4/4/2000	2.71	7.32	none
8/25/1997	3.41	6.62	none	10/3/2000	3.55	6.48	none
9/25/1997	3.90	6.13	none	5/1/2001	2.90	7.13	none
10/30/1997	4.03	6.00	none				
12/3/1997	2.25	7.78	none				
SCIMW-5	TOC Elevation =	10.19				Tidally Influenced	
9/9/1996	5.56	4.63	none	12/30/1997	4.20	5.99	none
9/18/1996	4.68	5.51	none	1/28/1998	2.55	7.64	none
9/23/1996	4.42	5.77	none	3/11/1998	4.38	5.81	none
9/30/1996	4.44	5.75	none	3/30/1998	3.95	6.24	none
10/28/1996	4.40	5.79	none	4/27/1998	3.86	6.33	none
12/2/1996	4.95	5.24	none	6/1/1998	4.66	5.53	none
12/30/1996	4.21	5.98	none	6/26/1998	3.90	6.29	none
1/16/1997	4.07	6.12	none	9/17/1998	4.41	5.78	none
2/28/1997	4.74	5.45	none	12/7/1998	4.55	5.64	none
3/26/1997	4.53	5.66	none	5/3/1999	4.93	5.26	none
5/5/1997	4.49	5.70	none	8/25/1999	4.48	5.71	none
6/27/1997	4.63	5.56	none	11/29/1999	4.45	5.74	none
7/23/1997	4.74	5.45	none	4/4/2000	6.65	3.54	none
8/25/1997	4.40	5.79	none	10/3/2000	4.59	5.60	none
9/25/1997	4.26	5.93	none	5/1/2001	4.87	5.32	none
10/30/1997	4.37	5.82	none	Well Abandoned May 31, 2001			
12/3/1997	4.21	5.98	none				
SCIMW-6	TOC Elevation =	10.55				Tidally Influenced	
9/9/1996	5.86	4.69	none	12/30/1997	5.42	5.13	none
9/18/1996	6.54	4.01	none	1/28/1998	3.56	6.99	none
9/23/1996	5.47	5.08	none	3/11/1998	5.11	5.44	none
9/30/1996	6.44	4.11	none	3/30/1998	6.46	4.09	none
10/28/1996	5.93	4.62	none	4/27/1998	6.64	3.91	none
12/2/1996	7.04	3.51	none	6/1/1998	6.04	4.51	none
12/30/1996	5.60	4.95	none	6/26/1998	6.23	4.32	none
1/16/1997	5.87	4.68	none	9/17/1998	6.17	4.38	none
2/28/1997	7.00	3.55	none	12/7/1998	6.64	3.91	none
3/26/1997	6.54	4.01	none	5/3/1999	6.16	4.39	none
5/5/1997	6.72	3.83	none	8/25/1999	6.56	3.99	none
6/27/1997	6.65	3.90	none	11/25/1999	6.55	4.00	none
7/23/1997	6.60	3.95	none	4/4/2000	6.87	3.68	none
8/25/1997	6.15	4.40	none	10/3/2000	6.37	4.18	none
9/25/1997	5.11	5.44	none	5/1/2001	7.22	3.33	none
10/30/1997	5.37	5.18	none				
12/3/1997	5.29	5.26	none				

TABLE 2
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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)
SCIMW-7	TOC Elevation =	12.26					
9/9/1996	8.95	3.31+	none	12/30/1997	4.83	7.43	none
9/18/1996	6.87	5.39	none	1/28/1998	4.65	7.61	none
9/23/1996	6.95	5.31	none	3/11/1998	4.72	7.54	none
9/30/1996	7.04	5.22	none	3/30/1998	4.77	7.49	none
10/28/1996	7.40	4.86	none	4/27/1998	4.85	7.41	none
12/2/1996	4.95	7.31	none	6/1/1998	4.70	7.56	none
12/30/1996	4.73	7.53	none	6/26/1998	4.97	7.29	none
1/16/1997	4.94	7.32	none	9/17/1998	6.52	5.74	none
2/28/1997	4.85	7.41	none	12/7/1998	4.52	7.74	none
3/26/1997	4.94	7.32	none	5/3/1999	4.86	7.40	none
5/5/1997	5.13	7.13	none	8/25/1999	5.42	6.84	none
6/27/1997	5.86	6.40	none	11/29/1999	6.70	5.56	none
7/23/1997	6.25	6.01	none	4/4/2000	3.48	8.78	none
8/25/1997	5.94	6.32	none	10/3/2000	4.01	8.25	none
9/25/1997	5.93	6.33	none	5/1/2001	4.70	7.56	none
10/30/1997	5.30	6.96	none				
12/3/1997	4.85	7.41	none				
SCIMW-8	TOC Elevation =	12.81					
9/9/1996	5.70	7.11	none	1/28/1998	--	--	--
9/18/1996	5.81	7.00	none	3/11/1998	--	--	--
9/23/1996	5.79	7.02	none	3/30/1998	--	--	--
9/30/1996	5.89	6.92	none	4/27/1998	5.06	7.75	none
10/17/1996	5.95	6.86	none	6/1/1998	4.18	8.63	none
10/28/1996	6.13	6.68	none	6/26/1998	5.17	7.64	none
12/2/1996	5.39	7.42	none	9/17/1998	5.56	7.25	none
12/30/1996	4.98	7.83	none	12/7/1998	5.17	7.64	none
1/16/1997	5.11	7.70	none	5/3/1999	5.13	7.68	none
2/28/1997	5.42	7.39	none	8/25/1999	6.95	5.86	none
3/26/1997	5.39	7.42	none	11/29/1999	5.45	7.36	none
5/5/1997	5.40	7.41	none	4/4/2000	5.10	7.71	none
6/27/1997	5.45	7.36	none	10/3/2000	5.31	7.50	none
7/23/1997	--	--	--	5/1/2001	5.22	7.59	none
8/25/1997	5.21	7.60	none				
9/25/1997	5.49	7.32	none				
10/30/1997	5.61	7.20	none				
12/3/1997	5.09	7.72	none				
12/30/1997	4.19	8.62	none				
SCIMW-9	TOC Elevation =	11.32					
9/9/1996	4.92	6.40	none	12/30/1997	4.60	6.72	none
9/18/1996	4.94	6.38	none	1/28/1998	4.40	6.92	none
9/23/1996	4.94	6.38	none	3/11/1998	4.11	7.21	none
9/30/1996	4.92	6.40	none	3/30/1998	4.38	6.94	none
10/17/1996	4.97	6.35	none	4/27/1998	4.35	6.97	none
10/28/1996	5.07	6.25	none	6/1/1998	4.08	7.24	none
12/2/1996	4.71	6.61	none	6/26/1998	4.42	6.90	none
12/30/1996	4.51	6.81	none	9/17/1998	4.68	6.64	none
1/16/1997	4.66	6.66	none	12/7/1998	4.52	6.80	none
3/26/1997	4.60	6.72	none	5/3/1999	4.51	6.81	none
5/5/1997	4.65	6.67	none	8/25/1999	4.72	6.60	none
6/27/1997	4.71	6.61	none	11/29/1999	4.63	6.69	none
7/23/1997	4.77	6.55	none	4/4/2000	4.25	7.07	none
8/25/1997	4.72	6.60	none	10/3/2000	4.71	6.61	none
9/25/1997	--	--	--	5/1/2001	3.30	8.02	none
10/30/1997	4.90	6.42	none				
12/3/1997	--	--	--				

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)
SCIMW-10	**TOC Elevation =**	**12.56**					
9/9/1996	4.61	7.95	none	12/30/1997	6.10	6.46	none
9/18/1996	4.87	7.69	none	1/28/1998	4.97	7.59	none
9/23/1996	4.81	7.75	none	3/11/1998	--	--	--
9/30/1996	4.91	7.65	none	3/30/1998	5.36	7.20	none
10/17/1996	5.03	7.53	none	4/27/1998	5.21	7.35	none
10/28/1996	5.31	7.25	none	6/1/1998	5.18	7.38	none
12/2/1996	5.15	7.41	none	6/26/1998	5.17	7.39	none
12/30/1996	4.60	7.96	none	9/17/1998	4.92	7.64	none
1/16/1997	4.69	7.87	none	12/7/1998	6.07	6.49	none
2/28/1997	4.47	8.09	none	5/3/1999	5.25	7.31	none
3/26/1997	4.33	8.23	none	8/25/1999	6.65	5.91	trace
5/5/1997	4.21	8.35	none	11/29/1999	6.58	5.98	none
6/27/1997	5.71	6.85	none	4/4/2000	4.08	8.48	none
7/23/1997	5.96	6.60	none	10/3/2000	5.99	6.57	none
8/25/1997	6.07	6.49	none	5/1/2001	5.68	6.88	none
9/25/1997	5.90	6.66	none				
10/30/1997	6.60	5.96	none				
12/3/1997	--	--	--				
SCIMW-11	**TOC Elevation =**	**9.49**				**Tidally Influenced**	
9/9/1996	5.66	3.83	none	12/30/1997	1.63	7.86	none
9/18/1996	6.39	3.10	none	1/28/1998	3.64	5.85	none
9/23/1996	4.12	5.37	none	3/11/1998	3.37	6.12	none
9/30/1996	6.24	3.25	none	3/30/1998	7.02	2.47	none
10/28/1996	5.46	4.03	none	4/27/1998	7.33	2.16	none
12/2/1996	6.03	3.46	none	6/1/1998	--	--	--
12/30/1996	3.56	5.93	none	6/26/1998	--	--	--
1/16/1997	5.17	4.32	none	9/23/1998	4.77	4.72	none
2/28/1997	6.60	2.89	none	12/7/1998	6.17	3.32	none
3/26/1997	6.85	2.64	none	5/3/1999	6.01	3.48	none
5/5/1997	6.94	2.55	none	8/25/1999	4.31	5.18	none
6/27/1997	5.94	3.55	none	11/29/1999	5.42	4.07	none
7/23/1997	7.18	2.31	none	4/4/2000	7.00	2.49	none
8/25/1997	5.04	4.45	none	10/3/2000	5.49	4.00	none
9/25/1997	3.31	6.18	none	5/1/2001	6.95	2.54	none
10/30/1997	3.81	5.68	none				
12/3/1997	4.85	4.64	none				
SCIMW-12	**TOC Elevation =**	**10.94**				**Tidally Influenced**	
9/9/1996	6.85	4.09	none	12/30/1997	2.90	8.04	none
9/18/1996	7.24	3.70	none	1/28/1998	5.11	5.83	none
9/23/1996	5.59	5.35	none	3/11/1998	4.83	6.11	none
9/30/1996	7.26	3.68	none	3/30/1998	7.22	3.72	none
10/28/1996	7.00	3.94	none	4/27/1998	7.23	3.71	none
12/2/1996	7.31	3.63	none	6/1/1998	7.00	3.94	none
12/30/1996	5.12	5.82	none	6/1/1998	7.20	3.74	none
1/16/1997	6.41	4.53	none	9/17/1998	6.80	4.14	none
2/28/1997	7.19	3.75	none	12/7/1998	7.21	3.73	none
3/26/1997	7.24	3.70	none	5/3/1999	7.19	3.75	none
5/5/1997	7.26	3.68	none	8/25/1999	6.91	4.03	none
6/27/1997	7.09	3.85	none	11/29/1999	6.91	4.03	none
7/23/1997	7.24	3.70	none	4/4/2000	6.41	4.53	none
8/25/1997	6.61	4.33	none	10/3/2000	6.66	4.28	none
9/25/1997	4.69	6.25	none	5/1/2001	6.00	4.94	none
10/30/1997	5.24	5.70	none				
12/3/1997	6.53	4.41	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)
SCIMW-13	TOC Elevation =	12.56					
9/9/1996	5.35	7.21	none	1/28/1998	5.08	7.48	none
9/18/1996	5.47	7.09	none	3/11/1998	4.46	8.10	none
9/23/1996	5.51	7.05	none	3/30/1998	4.42	8.14	none
9/30/1996	4.94	7.62	none	4/27/1998	4.22	8.34	none
10/17/1996	5.70	6.86	none	6/1/1998	4.24	8.32	none
10/28/1996	5.86	6.70	none	6/26/1998	4.25	8.31	none
12/2/1996	5.91	6.65	none	9/17/1998	5.14	7.42	none
12/30/1996	5.70	6.86	none	12/7/1998	5.78	6.78	none
1/16/1997	5.63	6.93	none	5/3/1999	4.61	7.95	none
2/28/1997	5.31	7.25	none	8/25/1999	5.32	7.24	none
3/26/1997	5.14	7.42	trace	11/29/1999	5.83	6.73	none
5/5/1997	4.99	7.57	none	4/4/2000	4.84	7.72	none
6/27/1997	4.92	7.64	none	10/3/2000	5.52	7.04	none
7/23/1997	--	--	--	5/1/2001	4.75	7.81	none
8/25/1997	--	--	--				
9/25/1997	5.14	7.42	none				
10/30/1997	5.75	6.81	none				
12/3/1997	5.55	7.01	none				
12/30/1997	5.43	7.13	none				
SCIMW-14	TOC Elevation =	13.64					
9/9/1996	8.28	5.36	none	12/30/1997	7.52	6.12	none
9/18/1996	8.50	5.14	none	1/28/1998	7.19	6.45	none
9/23/1996	8.18	5.46	none	3/11/1998	7.21	6.43	none
9/30/1996	8.41	5.23	none	3/30/1998	7.41	6.23	none
10/28/1996	8.43	5.21	none	4/27/1998	7.99	5.65	none
12/2/1996	8.56	5.08	none	6/1/1998	7.59	6.05	none
12/30/1996	7.89	5.75	none	6/26/1998	8.07	5.57	none
1/16/1997	8.00	5.64	none	9/17/1998	8.16	5.48	none
2/28/1997	8.48	5.16	none	12/7/1998	7.73	5.91	none
3/26/1997	8.34	5.30	none	5/3/1999	7.64	6.00	none
5/5/1997	8.30	5.34	none	8/25/1999	7.95	5.69	none
6/27/1997	8.20	5.44	none	11/29/1999	8.34	5.30	none
7/23/1997	8.30	5.34	none	4/4/2000	8.03	5.61	none
8/25/1997	8.09	5.55	none	10/3/2000	8.21	5.43	none
9/25/1997	7.81	5.83	none	5/1/2001	7.95	5.69	none
10/30/1997	8.17	5.47	none	**Well Abandoned May 30, 2001**			
12/3/1997	7.58	6.06	none				
SCIMW-15	TOC Elevation =	13.45					
9/9/1996	8.60	4.85	none	12/30/1997	8.23	5.22	none
9/18/1996	8.61	4.84	none	1/28/1998	8.14	5.31	none
9/23/1996	8.62	4.83	none	3/11/1998	--	--	--
9/30/1996	8.51	4.94	none	3/30/1998	--	--	--
10/28/1996	8.72	4.73	none	4/27/1998	--	--	--
12/2/1996	8.91	4.54	none	6/1/1998	8.11	5.34	none
12/30/1996	8.36	5.09	none	6/26/1998	8.00	5.45	none
1/16/1997	8.44	5.01	none	9/17/1998	8.28	5.17	none
2/28/1997	8.54	4.91	none	12/7/1998	8.63	4.82	none
3/26/1997	8.57	4.88	none	5/3/1999	8.30	5.15	none
5/5/1997	8.73	4.72	none	8/25/1999	8.75	4.70	none
6/27/1997	8.42	5.03	none	11/29/1999	8.74	4.71	none
7/23/1997	8.28	5.17	none	4/4/2000	8.28	5.17	none
8/25/1997	8.31	5.14	none	10/3/2000	8.48	4.97	none
9/25/1997	8.32	5.13	none	5/1/2001	8.40	5.05	none
10/30/1997	--	--	--				
12/3/1997	8.21	5.24	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)
SCIMW-16	**TOC Elevation =**	**10.40**					
9/9/1996	3.59	6.81	none	12/30/1997	--	--	--
9/18/1996	3.46	6.94	none	1/28/1998	--	--	--
9/23/1996	3.44	6.96	none	3/11/1998	3.23	7.17	none
9/30/1996	3.44	6.96	none	3/30/1998	3.24	7.16	none
10/28/1996	4.39	6.01	none	4/27/1998	3.26	7.14	none
12/2/1996	3.64	6.76	none	6/1/1998	3.10	7.30	none
12/30/1996	3.19	7.21	none	6/26/1998	3.07	7.33	none
1/16/1997	3.37	7.03	none	9/17/1998	3.36	7.04	none
2/28/1997	3.47	6.93	none	12/7/1998	3.83	6.57	none
3/26/1997	3.39	7.01	none	5/3/1999	3.72	6.68	none
5/5/1997	3.27	7.13	none	8/25/1999	5.65	4.75	none
6/27/1997	3.27	7.13	none	11/29/1999	3.74	6.66	none
7/23/1997	3.39	7.01	none	4/4/2000	3.75	6.65	none
8/25/1997	3.11	7.29	none	10/3/2000	3.76	6.64	none
9/25/1997	3.35	7.05	none	5/1/2001	4.10	6.30	none
10/30/1997	3.19	7.21	none				
12/3/1997	3.22	7.18	none				
SCIMW-17	**TOC Elevation =**	**10.14**					
9/9/1996	3.59	6.55	none	12/30/1997	2.67	7.47	none
9/18/1996	2.83	7.31	none	1/28/1998	2.25	7.89	none
9/23/1996	2.96	7.18	none	3/11/1998	2.25	7.89	none
9/30/1996	3.00	7.14	none	3/30/1998	2.35	7.79	none
10/28/1996	3.04	7.10	none	4/27/1998	2.36	7.78	none
12/2/1996	2.86	7.28	none	6/1/1998	2.27	7.87	none
12/30/1996	0.18	9.96	none	6/26/1998	4.51	5.63	none
1/16/1997	2.47	7.67	none	9/17/1998	3.20	6.94	none
2/28/1997	2.63	7.51	none	12/7/1998	3.66	6.48	none
3/26/1997	2.51	7.63	none	5/3/1999	3.02	7.12	none
5/5/1997	2.63	7.51	none	8/25/1999	4.95	5.19	none
6/27/1997	1.87	8.27	none	11/29/1999	3.49	6.65	none
7/23/1997	5.61	4.53+	none	4/4/2000	3.45	6.69	none
8/25/1997	3.65	6.49	none	**Well Abandoned May 30, 2001**			
9/25/1997	5.50	4.64+	none				
10/30/1997	3.17	6.97	none				
12/3/1997	4.94	5.20+	none				
SCIMW-18	**TOC Elevation =**	**10.81**					
9/9/1996	5.59	5.22+	none	12/30/1997	3.83	6.98	none
9/18/1996	3.86	6.95	none	1/28/1998	3.57	7.24	none
9/23/1996	3.82	6.99	none	3/11/1998	3.40	7.41	none
9/30/1996	3.85	6.96	none	3/30/1998	3.36	7.45	none
10/17/1996	4.00	6.81	none	4/27/1998	3.15	7.66	none
10/28/1996	4.18	6.63	none	6/1/1998	3.09	7.72	none
12/2/1996	4.06	6.75	none	6/26/1998	3.15	7.66	none
12/30/1996	3.60	7.21	none	9/17/1998	3.58	7.23	none
1/16/1997	3.83	6.98	none	12/7/1998	4.01	6.80	none
2/28/1997	3.56	7.25	none	5/3/1999	3.25	7.56	none
3/26/1997	4.70	6.11	none	8/25/1999	5.85	4.96	none
5/5/1997	3.36	7.45	none	11/29/1999	4.14	6.67	none
6/27/1997	3.17	7.64	none	4/4/2000	4.45	6.36	none
7/23/1997	3.42	7.39	none	10/3/2000	3.70	7.11	none
8/25/1997	3.49	7.32	none	5/1/2001	5.89	10.81	none
9/25/1997	3.42	7.39	none				
10/30/1997	3.97	6.84	none				
12/3/1997	3.85	6.96	none				

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SUMMARY OF GROUNDWATER ELEVATION DATA
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DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)
SCIMW-19	TOC Elevation =	10.46					
9/9/1996	4.30	6.16	none	1/28/1998	2.91	7.55	none
9/18/1996	4.36	6.10	none	3/11/1998	3.08	7.38	none
9/23/1996	4.32	6.14	none	3/30/1998	3.16	7.30	none
9/30/1996	4.23	6.23	none	4/27/1998	3.38	7.08	none
10/28/1996	4.45	6.01	none	6/1/1998	3.00	7.46	none
12/2/1996	3.54	6.92	none	6/26/1998	3.58	6.88	none
12/30/1996	2.59	7.87	none	9/17/1998	4.08	6.38	none
1/16/1997	3.04	7.42	none	12/7/1998	3.24	7.22	none
2/28/1997	3.69	6.77	none	5/3/1999	3.54	6.92	none
3/26/1997	3.69	6.77	none	8/25/1999	4.60	5.86	none
5/5/1997	3.82	6.64	none	11/29/1999	4.00	6.46	none
6/27/1997	3.94	6.52	none	4/4/2000	3.56	6.90	none
7/23/1997	3.89	6.57	none	10/3/2000	4.18	6.28	none
8/25/1997	3.78	6.68	none	5/1/2001	3.60	6.86	none
9/25/1997	4.02	6.44	none				
10/30/1997	4.12	6.34	none				
12/3/1997	3.11	7.35	none				
12/30/1997	3.52	6.94	none				
SCIMW-20	TOC Elevation =	9.11					
9/9/1996	2.08	7.03	none	1/28/1998	1.30	7.81	none
9/18/1996	2.27	6.84	none	3/11/1998	1.35	7.76	none
9/23/1996	2.26	6.85	none	3/30/1998	1.43	7.68	none
9/30/1996	2.34	6.77	none	4/27/1998	1.51	7.60	none
10/28/1996	2.68	6.43	none	6/1/1998	1.29	7.82	none
12/2/1996	1.45	7.66	none	6/26/1998	1.76	7.35	none
12/30/1996	1.12	7.99	none	9/17/1998	2.32	6.79	none
1/16/1997	1.44	7.67	none	12/7/1998	1.71	7.40	none
2/28/1997	1.60	7.51	none	5/3/1969	1.42	7.69	none
3/26/1997	1.54	7.57	none	8/25/1999	2.19	6.92	none
5/5/1997	1.65	7.46	none	11/29/1999	5.71	6.41	none
6/27/1997	1.92	7.19	none	4/4/2000	1.52	7.59	none
7/23/1997	2.05	7.06	none	5/1/2001	2.09	7.02	none
8/25/1997	1.62	7.49	none	Well Abandoned May 30, 2001			
9/25/1997	1.88	7.23	none				
10/30/1997	2.02	7.09	none				
12/3/1997	1.38	7.73	none				
12/30/1997	1.61	7.50	none				
SCIMW-21	TOC Elevation =	9.67					
5/5/1997	2.23	7.44	none	6/1/1998	1.16	8.51	none
6/27/1997	2.40	7.27	none	6/26/1998	1.76	7.91	none
7/23/1997	2.75	6.92	none	9/17/1998	2.13	7.54	none
8/25/1997	2.87	6.80	none	12/7/1998	1.71	7.96	none
9/25/1997	3.00	6.67	none	5/3/1999	1.35	8.32	none
10/30/1997	3.16	6.51	none	8/25/1999	1.35	8.32	none
12/3/1997	2.21	7.46	none	11/29/1999	0.69	8.98	none
12/30/1997	2.11	7.56	none	4/4/2000	0.50	9.17	none
1/28/1998	1.67	8.00	none	10/3/2000	1.92	7.75	none
3/11/1998	1.27	8.40	none	5/1/2001	2.68	6.99	none
3/30/1998	1.35	8.32	none				
4/27/1998	1.41	8.26	none				

TABLE 2
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SCIMW-22	**TOC Elevation =**	**12.00**					
5/5/1997	3.78	8.22	none	6/1/1998	3.59	8.41	none
6/27/1997	4.10	7.90	none	6/26/1998	4.21	7.79	none
7/23/1997	4.34	7.66	none	9/17/1998	4.76	7.24	none
8/25/1997	4.04	7.96	none	12/7/1998	3.93	8.07	none
9/25/1997	4.31	7.69	none	5/3/1999	4.34	7.66	none
10/30/1997	4.39	7.61	none	8/25/1999	5.71	6.29	none
12/3/1997	4.05	7.95	none	11/29/1999	5.19	6.81	none
12/30/1997	4.48	7.52	none	4/4/2000	4.50	7.50	none
1/28/1998	4.03	7.97	none	10/3/2000	6.64	5.36	none
3/11/1998	4.07	7.93	none	5/1/2001	5.00	7.00	none
3/30/1998	3.87	8.13	none				
4/27/1998	4.21	7.79	none				
SCIMW-23	**TOC Elevation =**	**9.74**			**Slight Tidal Influence**		
5/5/1997	4.19	5.55	none	4/27/1998	--	--	--
6/27/1997	4.10	5.64	none	6/1/1998	--	--	--
7/23/1997	4.43	5.31	none	6/26/1998	--	--	--
8/25/1997	4.37	5.37	none	9/17/1998	4.28	5.46	none
9/25/1997	--	--	--	12/10/1998	3.35	6.39	none
10/30/1997	4.27	5.47	none	5/3/1999	3.65	6.09	none
12/3/1997	3.24	6.50	none	8/25/1999	4.35	5.39	none
12/30/1997	3.52	6.22	none	11/29/1999	4.18	5.56	none
1/28/1998	3.02	6.72	none	4/4/2000	6.95	2.79	none
3/11/1998	3.32	6.42	none	10/3/2000	4.55	5.19	none
3/30/1998	3.35	6.39	none	5/1/2001	3.80	5.94	none
SCIMW-24	**TOC Elevation =**	**9.74**			**Slight Tidal Influence**		
5/5/1997	5.30	4.44	none	6/1/1998	3.96	5.78	none
6/27/1997	4.85	4.89	none	6/26/1998	4.21	5.53	none
7/23/1997	4.79	4.95	none	9/17/1998	4.78	4.96	none
8/25/1997	4.28	5.46	none	12/7/1998	3.95	5.79	none
9/25/1997	4.45	5.29	none	5/3/1999	4.60	5.14	none
10/30/1997	4.67	5.07	none	8/25/1999	5.15	4.59	0.50
12/3/1997	3.63	6.11	none	11/29/1999	4.75	4.99	none
12/30/1997	3.58	6.16	none	4/4/2000	4.69	5.05	none
1/28/1998	3.58	6.16	none	10/3/2000	4.79	4.95	none
3/11/1998	--	--	--	5/2/2001	4.80	4.94	none
3/30/1998	4.23	5.51	none				
4/27/1998	4.55	5.19	none				
SCIMW-25	**TOC Elevation =**	**8.30**					
5/5/1997	1.00	7.30	none	6/1/1998	0.55	7.75	none
6/27/1997	2.11	6.19	none	6/26/1998	0.75	7.55	none
7/23/1997	1.94	6.36	none	9/17/1998	1.11	7.19	none
8/25/1997	1.53	6.77	none	12/7/1998	0.86	7.44	none
9/25/1997	1.46	6.84	none	5/3/1999	0.88	7.42	none
10/30/1997	1.08	7.22	none	8/25/1999	1.23	7.07	none
12/3/1997	0.87	7.43	none	11/29/1999	0.60	7.70	none
12/30/1997	0.83	7.47	none	4/4/2000	0.42	7.88	none
1/28/1998	0.70	7.60	none	**Well Abandoned May 30, 2001**			
3/11/1998	0.50	7.80	none				
3/30/1998	0.65	7.65	none				
4/27/1998	0.73	7.57	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)
SCIMW-26	TOC Elevation =	11.33					
5/5/1997	3.18	8.15	none	6/1/1998	3.56	7.77	none
6/27/1997	3.31	8.02	none	6/26/1998	3.65	7.68	none
7/23/1997	3.46	7.87	none	9/17/1998	3.92	7.41	none
8/25/1997	3.21	8.12	none	12/7/1998	3.25	8.08	none
9/25/1997	3.42	7.91	none	5/3/1999	3.68	7.65	none
10/30/1997	3.56	7.77	none	8/25/1999	3.61	7.72	none
12/3/1997	2.55	8.78	none	11/29/1999	3.41	7.92	none
12/30/1997	3.25	8.08	none	4/4/2000	3.90	7.43	none
1/28/1998	2.93	8.40	none	10/3/2000	3.41	7.92	none
3/11/1998	3.98	7.35	none	5/1/2001	--	--	--
3/30/1998	4.13	7.20	none				
4/27/1998	3.93	7.40	none				
SCIMW-27	TOC Elevation =	11.43					
5/5/1997	4.98	6.45	none	6/1/1998	4.74	6.69	none
6/27/1997	4.85	6.58	none	6/26/1998	4.74	6.69	none
7/23/1997	4.80	6.63	none	9/17/1998	4.85	6.58	none
8/25/1997	4.81	6.62	none	12/7/1998	4.77	6.66	none
9/25/1997	4.85	6.58	none	5/4/1999	4.91	6.52	none
10/30/1997	4.91	6.52	none	8/25/1999	4.95	6.48	none
12/3/1997	4.74	6.69	none	11/29/1999	4.91	6.52	none
12/30/1997	4.75	6.68	none	4/4/2000	3.78	7.65	none
1/28/1998	4.37	7.06	none	10/3/2000	4.90	6.53	none
3/11/1998	4.70	6.73	none	5/1/2001	4.80	6.63	none
3/30/1998	4.71	6.72	none				
4/27/1998	4.53	6.90	none				
SCIMW-28	TOC Elevation =	13.30					
5/5/1997	4.96	8.34	none	6/1/1998	4.25	9.05	none
6/27/1997	5.12	8.18	none	6/26/1998	4.70	8.60	none
7/23/1997	--	--	--	9/17/1998	5.47	7.83	none
8/25/1997	5.04	8.26	none	12/7/1998	4.64	8.66	none
9/25/1997	5.23	8.07	none	5/3/1999	4.32	8.98	none
10/30/1997	5.39	7.91	none	8/25/1999	5.44	7.86	none
12/3/1997	4.47	8.83	none	11/29/1999	5.04	8.26	none
12/30/1997	4.72	8.58	none	4/4/2000	3.56	9.74	none
1/28/1998	4.16	9.14	none	10/3/2000	5.51	7.79	none
3/11/1998	4.20	9.10	none	5/1/2001	4.53	8.77	none
3/30/1998	4.27	9.03	none				
4/27/1998	4.41	8.89	none				
SCIMW-29	TOC Elevation =	13.18					
5/15/1997	5.70	7.48	none	6/1/1998	5.26	7.92	none
6/27/1997	5.58	7.60	none	6/26/1998	5.50	7.68	none
7/23/1997	5.63	7.55	none	9/17/1998	5.67	7.51	none
8/25/1997	5.56	7.62	none	12/7/1998	5.24	7.94	none
9/25/1997	5.61	7.57	none	5/3/1999	5.55	7.63	none
10/30/1997	5.63	7.55	none	8/25/1999	5.95	7.23	none
12/3/1997	5.23	7.95	none	11/29/1999	5.71	7.47	none
12/30/1997	5.52	7.66	none	4/4/2000	5.59	7.59	none
1/28/1998	5.29	7.89	none	10/3/2000	5.68	7.50	none
3/11/1998	5.37	7.81	none	5/1/2001	5.49	7.69	none
3/30/1998	5.37	7.81	none				
4/27/1998	5.48	7.70	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)
SCIMW-30	TOC Elevation =	12.34					
10/30/1997	4.81	7.53	none	12/7/1998	4.39	7.95	none
12/3/1997	3.99	8.35	none	5/3/1999	4.45	7.89	none
12/30/1997	4.26	8.08	none	8/25/1999	4.95	7.39	none
1/28/1998	3.75	8.59	none	11/29/1999	4.40	7.94	none
3/11/1998	3.81	8.53	none	4/4/2000	--	--	--
3/30/1998	4.21	8.13	none	10/3/2000	5.08	7.26	none
4/27/1998	4.35	7.99	none	5/1/2001	4.24	8.10	none
6/1/1998	4.15	8.19	none				
6/26/1998	4.51	7.83	none				
9/17/1998	4.71	7.63	none				
SCIMW-31D	TOC Elevation =	11.92		Extends into Merritt Sand Formation Below Estuarine Deposits. Displays Confined Aquifer Characteristics.			
10/30/1997	7.69	4.23	none	12/7/1998	7.90	4.02	none
12/3/1997	7.58	4.34	none	5/3/1999	7.91	4.01	none
12/30/1997	7.47	4.45	none	8/25/1999	7.85	4.07	none
1/28/1998	7.37	4.55	none	11/29/1999	7.79	4.13	none
3/11/1998	7.20	4.72	none	4/4/2000	--	--	--
3/30/1998	7.35	4.57	none	10/3/2000	7.60	4.32	none
4/27/1998	7.54	4.38	none	5/1/2001	7.90	4.02	none
6/1/1998	7.57	4.35	none				
6/26/1998	7.63	4.29	none				
9/17/1998	7.58	4.34	none				
SCIMW-32	TOC Elevation =	12.75					
10/30/1997	5.02	7.73	none	12/7/1998	4.51	8.24	none
12/3/1997	4.50	8.25	none	5/3/1999	4.32	8.43	none
12/30/1997	4.59	8.16	none	8/25/1999	7.80	4.95	none
1/28/1998	--	--	--	11/29/1999	4.71	8.04	none
3/11/1998	4.17	8.58	none	4/4/2000	4.65	8.10	none
3/30/1998	4.39	8.36	none	10/3/2000	5.50	7.25	none
4/27/1998	4.34	8.41	none	5/1/2001	4.35	8.40	none
6/1/1998	4.33	8.42	none				
6/26/1998	4.53	8.22	none				
9/17/1998	5.04	7.71	none				
SCIMW-33	TOC Elevation =	11.47					
10/30/1997	4.58	6.89	none	12/7/1998	4.21	7.26	none
12/3/1997	4.11	7.36	none	5/3/1999	4.00	7.47	none
12/30/1997	4.07	7.40	none	8/25/1999	4.60	6.87	none
1/28/1998	4.03	7.44	none	11/29/1999	4.72	6.75	none
3/11/1998	4.02	7.45	none	4/4/2000	5.00	6.47	none
3/30/1998	4.00	7.47	none	10/3/2000	4.35	7.12	none
4/27/1998	3.96	7.51	none	5/1/2001	4.30	7.17	none
6/1/1998	3.86	7.61	none				
6/26/1998	4.05	7.42	none				
9/17/1998	4.32	7.15	none				
SCIMW-34	TOC Elevation =	10.93		Tidally Influenced			
10/30/1997	6.05	4.88	none	12/7/1998	6.02	4.91	none
12/3/1997	5.48	5.45	none	5/3/1999	6.44	4.49	none
12/30/1997	5.43	5.50	none	8/25/1999	6.86	4.07	none
1/28/1998	5.30	5.63	none	11/29/1999	6.23	4.70	none
3/11/1998	6.01	4.92	none	4/4/2000	5.43	5.50	none
3/30/1998	5.82	5.11	none	10/3/2000	4.99	5.94	none
4/27/1998	6.14	4.79	none	5/1/2001	6.47	4.46	none
6/1/1998	6.05	4.88	none				
6/26/1998	5.81	5.12	none				
9/17/1998	6.06	4.87	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)
SCIMW-35	TOC Elevation =	10.10				Tidally Influenced	
10/30/1997	5.23	4.87	none	12/7/1998	4.95	5.15	none
12/3/1997	4.06	6.04	none	5/3/1999	5.60	4.50	none
12/30/1997	4.01	6.09	none	8/25/1999	5.95	4.15	none
1/28/1998	4.30	5.80	none	11/29/1999	5.47	4.63	none
3/11/1998	4.98	5.12	none	4/4/2000	5.55	4.55	none
3/30/1998	4.90	5.20	none	10/3/2000	4.57	5.53	none
4/27/1998	5.23	4.87	none	5/1/2001	5.91	4.19	none
6/1/1998	5.01	5.09	none				
6/26/1998	4.97	5.13	none				
9/17/1998	5.36	4.74	none				
Oil Filled Manhole	TOC Elevation =	12.39				Hydraulically Connected to Bay water. Tidally Influenced.	
12/30/1996	6.22	6.17	trace	3/30/1998	8.33	4.06	trace
1/16/1997	8.00	4.39	0.01	4/27/1998	8.50	3.89	trace
2/28/1997	8.42	3.97	0.01	6/1/1998	8.33	4.06	trace
3/26/1997	8.42	3.97	trace	6/26/1998	8.42	3.97	trace
5/5/1997	8.51	3.88	0.06	9/17/1998	8.42	3.97	trace
6/27/1997	8.42	3.97	trace	12/7/1998	8.33	4.06	trace
7/23/1997	8.42	3.97	trace	5/2/1998	7.0 to 8.0	-	0.50
8/25/1997	7.67	4.72	trace	8/25/1999	-	-	4.50
9/25/1997	6.17	6.22	trace	11/29/1999	-	-	trace
10/30/1997	6.42	5.97	0.00	4/4/2000	5.25	7.14	trace
12/3/1997	8.08	4.31	trace	10/3/2000	4.57	7.82	none
12/30/1997	4.50	7.89	trace	5/2/2001	7.70	4.69	none
1/28/1998	6.00	6.39	trace				
3/11/1998	5.92	6.47	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)	TEMPERATURE FIELD, BEFORE PURGE (°C)	TEMPERATURE FIELD, BEFORE SAMPLING (°C)	SALINITY FIELD, BEFORE PURGE (mg/L)	SALINITY FIELD, BEFORE SAMPLING (mg/L)	DISSOLVED ORGANIC CARBON (mg/L)	TOTAL ORGANIC CARBON (mg/L)	DISSOLVED OXYGEN FIELD, BEFORE PURGE (%)	DISSOLVED OXYGEN FIELD, BEFORE PURGE (mg/L)
MW-1	SCI	F	9/25/1998	4.68	6.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	SCI	F	12/3/1999	4.59	6.73	--	-92.7	-101.2	--	7,831	--	20.03	19.56	--	--	--	--	--	3.58
MW-1	SCI	F	5/31/2001	**Well Abandoned**															
MW-2	SCI	F	9/23/1998	5.29	6.74	--	-53.0	--	--	--	--	--	--	--	--	--	--	--	0.12
MW-2	SCI	F	12/3/1999	5.27	6.92	--	12463.0	22,352.0	--	8,800	--	20.41	19.15	--	--	--	--	--	3.39
MW-3	SCI	F	9/29/1998	5.83	7.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	SCI	F	12/3/1999	5.44	7.14	--	-60.7	-174.9	--	6,931	--	19.32	18.22	--	--	--	--	--	2.24
MW-3	SCI	F	10/4/2000	5.77	6.31	--	41.7	-57.3	--	10,480	--	20.49	19.79	--	--	--	--	--	3.08
MW-5	SCI	F	9/23/1998	6.40	6.75	--	-71.0	--	--	--	--	--	--	--	--	--	--	--	0.11
MW-5	SCI	F	5/7/1999	6.59	6.66	--	-18.5	-41.0	--	1,049	--	16.68	16.04	0.82	2.43	--	--	42.5	4.15
MW-5	SCI	F	12/3/1999	6.53	6.70	--	2656.0	20,057.0	--	2,095	--	18.44	17.97	--	--	--	--	--	2.65
MW-5	SCI	F	10/6/2000	6.56	6.41	--	130.7	56.0	--	15,060	--	19.77	20.53	--	--	--	--	--	2.84
MW-5	SCI	F	5/2/2001	6.74	6.81	--	-18.0	-19.5	--	8,000	--	17.56	17.71	--	--	--	--	--	3.52
SCIMW-1	SCI	E/H	9/22/1998	5.02	6.99	--	-129.0	--	--	--	--	--	--	--	--	--	--	--	0.26
SCIMW-1	SCI	E/H	12/2/1999	4.56	6.61	--	-89.1	-219.1	--	10,940	--	16.25	16.50	--	--	--	--	--	1.18
SCIMW-1	SCI	E/H	10/6/2000	4.75	7.69	--	141.5	--	--	11,040.0	--	18.67	--	--	--	--	--	--	6.10
SCIMW-2	SCI	N	9/18/1998	4.07	7.13	5.8	43.0	--	-31.0	12,600	--	--	--	--	--	4.4	--	--	0.11
SCIMW-2	SCI	N	12/10/1998	3.52	6.95	6.6	96.6	41.5	63.0	6,180	--	--	--	--	--	5.4	--	--	1.59
SCIMW-2	SCI	N	5/6/1999	4.52	7.36	--	36.8	-11.0	--	8,082	4,710	15.53	16.41	7.16	9.02	9.9	--	48	4.62
SCIMW-2	SCI	N	8/26/1999	3.00	7.17	--	16.1	-74.6	--	12,192	12,300	--	--	--	--	4.7	--	--	1.91
SCIMW-2	SCI	N	12/2/1999	3.85	6.97	--	-39.6	-100.3	--	6,366	9,390	17.67	18.61	--	--	4.9	--	--	3.05
SCIMW-2	SCI	N	4/6/2000	2.83	6.63	--	190.6	164.5	--	6,998	8,040	15.67	16.75	--	--	5.7	--	--	4.51
SCIMW-2	SCI	N	10/3/2000	4.75	6.93	--	65.1	-40.3	--	15,300	--	21.18	19.08	--	--	--	--	--	5.00
SCIMW-2	SCI	N	5/2/2001	3.11	6.20	--	-18.3	-18.4	--	10,910	--	16.31	15.73	--	--	--	--	--	1.88
SCIMW-3	SCI	I/J	9/18/1998	4.29	6.81	--	-154.0	--	--	--	--	--	--	--	--	--	--	--	0.11
SCIMW-3	SCI	I/J	11/30/1999	6.17	6.62	--	-44.5	-111.0	--	7,234	--	21.07	21.15	--	--	--	--	--	5.38
SCIMW-3	SCI	I/J	10/4/2000	6.49	6.65	--	-77.1	-84.5	--	13,960	--	23.42	20.40	--	--	--	--	--	4.30
SCIMW-4	SCI	L	9/22/1998	6.20	6.83	--	-127.0	--	--	--	--	--	--	--	--	--	--	--	0.23
SCIMW-4	SCI	L	12/3/1999	6.82	6.79	--	-131.8	-128.7	--	5,022	--	19.21	21.33	--	--	--	--	--	0.78
SCIMW-5	SCI	M	9/17/1998	5.78	6.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SCIMW-5	SCI	M	12/17/1998	5.64	6.81	--	130.6	--	--	--	--	--	--	--	--	--	--	--	2.41
SCIMW-5	SCI	M	5/6/1999	5.26	6.65	--	330.6	-36.9	--	16,030	--	15.72	15.95	15.02	20.59	--	--	6.91	0.63
SCIMW-5	SCI	M	8/26/1999	4.48	7.79	--	198.5	-89.9	--	20,569	--	--	--	--	--	--	--	--	2.73
SCIMW-5	SCI	M	12/2/1999	5.74	6.80	--	47.7	25.1	--	23,170	--	16.98	16.34	--	--	--	--	--	5.22
SCIMW-5	SCI	M	4/6/2000	3.54	6.60	--	459.0	367.2	--	18,280	--	15.99	15.69	--	--	--	--	--	2.89
SCIMW-5	SCI	M	5/31/2001	**Well Abandoned**															

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

SAMPLE DESIGNATION	CONSULTANT	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Part of Calc. 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)	TEMPERATURE FIELD, BEFORE PURGE (°C)	TEMPERATURE FIELD, BEFORE SAMPLING (°C)	SALINITY FIELD, BEFORE PURGE (mg/L)	SALINITY FIELD, BEFORE SAMPLING (mg/L)	DISSOLVED ORGANIC CARBON (mg/L)	TOTAL ORGANIC CARBON (mg/L)	DISSOLVED OXYGEN FIELD, BEFORE PURGE (%)	DISSOLVED OXYGEN FIELD, BEFORE PURGE (mg/L)
SCIMW-6	SCI	C	9/23/1998	4.38	7.02	6.2	270.0	--	223.0	--	--	--	--	--	--	--	<1.0	--	4.10
SCIMW-6	SCI	C	12/10/1998	3.91	7.19	6.7	42.0	125.0	189.0	21,600	--	--	--	--	--	<1.0	--	--	7.46
SCIMW-6	SCI	C	5/6/1999	4.39	7.27	--	56.6	200.0	--	16,630	17,700	14.77	14.86	15.6	14.27	1.9	--	59.4	5.52
SCIMW-6	SCI	C	8/26/1999	6.56	7.11	--	140.6	176.4	--	23,244	23,500	--	--	--	--	<1.0	--	--	6.44
SCIMW-6	SCI	C	12/2/1999	4.00	7.02	--	23.7	18.9	--	22,360	26,800	15.38	17.44	--	--	1.2	--	--	7.49
SCIMW-6	SCI	C	4/6/2000	3.68	6.78	--	280.2	270.9	--	17,940	18,900	14.91	15.73	--	--	<1.0	--	--	5.12
SCIMW-7	SCI	P/Q	9/17/1998	5.74	6.78	--	-155.0	--	--	--	--	--	--	--	--	--	--	--	0.10
SCIMW-7	SCI	P/Q	5/6/1999	7.40	6.58	--	-82.9	-108.4	--	12,500	--	16.80	17.20	10.9	15.15	--	--	93.2	8.54
SCIMW-7	SCI	P/Q	12/1/1999	5.56	6.68	--	-45.7	-84.5	--	12,730	--	18.48	18.46	--	--	--	--	--	4.03
SCIMW-7	SCI	P/Q	10/5/2000	8.25	6.14	--	3.1	-50.8	--	13,120	--	20.35	18.40	--	--	--	--	--	6.48
SCIMW-7	SCI	P/Q	5/2/2001	7.56	6.43	--	-18.6	-18.3	--	7,800	--	17.86	17.40	--	--	--	--	--	4.30
SCIMW-8	SCI	I	9/18/1998	7.25	6.70	--	-146.0	--	--	--	--	--	--	--	--	--	--	--	0.15
SCIMW-8	SCI	I	11/30/1999	7.36	6.50	--	-79.4	-115.0	--	4,298	--	20.62	19.32	--	--	--	--	--	2.41
SCIMW-8	SCI	I	10/4/2000	7.50	6.56	--	-68.1	-85.8	--	4,839	--	24.15	19.44	--	--	--	--	--	0.56
SCIMW-9	SCI	I	9/21/1998	6.64	6.67	--	-127.0	--	--	--	--	--	--	--	--	--	--	--	0.15
SCIMW-9	SCI	I	12/1/1999	6.69	7.14	--	-99.4	-192.1	--	7,050	--	20.81	21.47	--	--	--	--	--	1.16
SCIMW-9	SCI	I	10/5/2000	6.61	6.99	--	-61.0	-62.0	--	6,800	--	19.20	19.15	--	--	--	--	--	1.47
SCIMW-10	SCI	J	9/18/1998	7.64	6.92	--	-257.0	--	--	--	--	--	--	--	--	--	--	--	0.08
SCIMW-10	SCI	J	12/1/1999	5.98	7.02	--	-129.4	-204.5	--	16,210	--	21.39	21.10	--	--	--	--	--	2.70
SCIMW-10	SCI	J	10/4/2000	6.57	6.65	--	-132.5	-1,563.0	--	20,570	--	22.50	21.38	--	--	--	--	--	1.56
SCIMW-11	SCI	N	9/23/1998	4.72	7.01	6.5	-158.0	--	123.0	7,260	--	--	--	--	--	--	6.3	--	0.17
SCIMW-11	SCI	N	12/10/1998	3.32	7.12	6.8	-55.4	-123.8	-29.0	7,600	--	--	--	--	--	7.3	--	--	1.47
SCIMW-11	SCI	N	5/6/1999	3.48	7.21	--	358.1	39.8	--	4,511	3,880	17.81	17.63	3.84	3.41	12	6.5	27.6	2.59
SCIMW-11	SCI	N	8/26/1999	4.31	7.28	--	145.5	139.9	--	21,644	6,530	--	--	--	--	6.5	--	--	4.49
SCIMW-11	SCI	N	12/1/1999	4.07	6.52	--	286.4	-56.1	--	9,560	7,850	17.52	18.37	--	--	5.1	--	--	5.53
SCIMW-11	SCI	N	4/6/2000	2.49	6.74	--	312.5	-87.5	--	5,980	5,280	16.74	16.99	--	--	11.0	--	--	3.89
SCIMW-11	SCI	N	10/4/2000	4.00	6.19	--	82.9	-65.1	--	11,480	--	19.77	21.54	--	--	--	--	--	5.68
SCIMW-11	SCI	N	5/2/2001	2.54	6.61	--	-16.1	-15.3	--	8,460	--	18.24	15.94	--	--	--	--	--	6.73
SCIMW-12	SCI	O	9/18/1998	4.14	7.13	6.0	25.0	--	132.0	24,700	--	--	--	--	--	<1.0	--	--	4.19
SCIMW-12	SCI	O	12/11/1998	3.73	7.10	6.5	52.6	47.5	252.0	27,300	--	--	--	--	--	<1.0	--	--	--
SCIMW-12	SCI	O	12/11/1998	3.73	7.10	6.5	52.6	47.5	252.0	27,300	--	--	--	--	--	<1.0	--	--	--
SCIMW-12	SCI	O	8/26/1999	6.91	7.29	--	149.4	140.1	--	22,904	19,800	--	--	--	--	<1.0	--	--	4.78
SCIMW-12	SCI	O	9/18/1998	7.42	6.78	--	-280.0	--	--	--	--	--	--	--	--	--	--	--	0.10
SCIMW-12	SCI	O	5/7/1999	3.75	7.09	--	320.1	373.9	--	19,060	23,900	16.12	15.93	18.16	15.27	2.4	--	92.8	8.25
SCIMW-12	SCI	O	11/30/1999	4.03	6.33	--	417.0	387.9	--	25,160	27,400	16.37	16.79	--	--	<1.0	--	--	6.89
SCIMW-12	SCI	O	4/6/2000	4.53	6.77	--	337.4	305.1	--	18,430	19,800	15.97	16.22	--	--	1.6	--	--	5.95
SCIMW-13	SCI	J	9/18/1998	7.42	6.78	--	-280.00	--	--	--	--	--	--	--	--	--	--	--	0.1
SCIMW-13	SCI	J	12/1/1999	6.73	6.87	--	-82.6	-236.6	--	11,320	--	20.83	21.45	--	--	--	--	--	2.95
SCIMW-13	SCI	J	10/5/2000	7.04	6.6	--	-40.0	-133.5		10,730	--	24.50	22.90	--	--	--	--	--	6.24

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)	TEMPERATURE FIELD, BEFORE PURGE (°C)	TEMPERATURE FIELD, BEFORE SAMPLING (°C)	SALINITY FIELD, BEFORE PURGE (mg/L)	SALINITY FIELD, BEFORE SAMPLING (mg/L)	DISSOLVED ORGANIC CARBON (mg/L)	TOTAL ORGANIC CARBON (mg/L)	DISSOLVED OXYGEN FIELD, BEFORE PURGE (%)	DISSOLVED OXYGEN FIELD, BEFORE PURGE (mg/L)
SCIMW-14	SCI	I/J	9/18/1998	5.48	6.75	6.1	-116.0	--	140.0	3,190	--	--	--	--	--	23	--	--	0.18
SCIMW-14	SCI	I/J	12/11/1998	5.91	7.00	6.8	42.3	-81.1	100.0	5,600	--	--	--	--	--	14	--	--	--
SCIMW-14	SCI	I/J	5/7/1999	6.00	7.04	--	385.9	-87.2	--	1,779	1,970	17.50	16.30	--	--	--	--	70.9	--
SCIMW-14	SCI	I/J	8/26/1999	7.95	7.19	--	-59.2	-77.6	--	13,657	2,930	--	--	--	--	16	--	--	1.82
SCIMW-14	SCI	I/J	11/30/1999	5.30	6.40	--	321.0	-73.8	--	3,090	1,290	19.41	18.86	--	--	13	--	--	7.17
SCIMW-14	SCI	I/J	4/6/2000	5.61	7.00	--	132.3	-24.2	--	630	1,080	16.05	16.47	--	--	8.4	--	--	3.36
SCIMW-14	SCI	I/J	5/30/2001	**Well Abandoned**															
SCIMW-15	SCI	I/J	9/21/1998	5.17	6.79	--	-147.0	--	--	--	--	--	--	--	--	--	--	--	25.10
SCIMW-15	SCI	I/J	5/4/1999	5.15	7.00	--	-102.2	-103.8	--	3,948	--	17.70	17.30	--	--	--	--	25.1	--
SCIMW-15	SCI	I/J	11/30/1999	4.71	6.39	--	-111.9	-86.4	--	7,120	6,170	20.86	19.68	--	--	23	--	--	0.78
SCIMW-15	SCI	I/J	10/4/2000	4.97	6.46	--	-75.0	-56.0	--	5,700	--	21.51	21.51	--	--	--	--	--	1.47
SCIMW-15	SCI	I/J	5/2/2001	5.05	6.66	--	-18.3	-18.1	--	3,710	--	16.00	15.77	--	--	--	--	--	1.44
SCIMW-16	SCI	R	9/21/1998	7.04	5.46	--	-160.0	--	--	--	--	--	--	--	--	--	--	--	0.11
SCIMW-16	SCI	R	5/4/1999	6.68	6.90	--	-105.2	-145.1	--	18,200	--	19.80	13.40	--	--	--	--	49.7	--
SCIMW-16	SCI	R	11/30/1999	6.66	6.95	--	-103.4	-148.8	--	22,360	--	20.76	19.52	--	--	--	--	--	2.88
SCIMW-17	SCI	R	9/21/1998	6.94	5.13	--	-122.0	--	--	--	--	--	--	--	--	--	--	--	0.14
SCIMW-17	SCI	R	12/1/1999	6.65	7.09	--	-124.6	-135.1	--	5,810	--	19.71	20.93	--	--	--	--	--	3.10
SCIMW-14	SCI	R	5/30/2001	**Well Abandoned**															
SCIMW-18	SCI	L	9/24/1998	7.23	6.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SCIMW-18	SCI	L	12/1/1999	6.67	6.99	--	-138.2	-141.4	--	13,670	--	20.14	20.75	--	--	--	--	--	2.07
SCIMW-18	SCI	L	10/4/2000	7.11	6.71	--	-67.4	-38.6	--	13,800	--	22.19	19.05	--	--	--	--	--	1.90
SCIMW-19	SCI	R	9/18/1998	6.38	6.79	--	-138.0	--	--	--	--	--	--	--	--	--	--	--	0.14
SCIMW-19	SCI	R	12/2/1999	6.46	6.93	--	102.1	-99.0	--	5,070	--	19.53	20.85	--	--	--	--	--	3.91
SCIMW-20	SCI	H/Q	9/21/1998	6.79	6.85	--	-86.0	--	--	--	--	--	--	--	--	--	--	--	0.16
SCIMW-20	SCI	H/Q	12/2/1999	6.41	6.81	--	76.6	-123.3	--	6,160	--	15.86	18.30	--	--	--	--	--	5.39
SCIMW-20	SCI	H/Q	5/30/2001	**Well Abandoned**															
SCIMW-21	SCI	D	5/6/1997	7.44	--	6.9	--	--	--	--	--	--	--	--	--	--	--	--	--
SCIMW-21	SCI	D	9/22/1998	7.54	6.91	6.9	228.0	--	--	--	--	--	--	--	--	--	--	--	0.18
SCIMW-21	SCI	D	12/3/1999	8.98	6.79	--	68.3	-117.0	--	890	--	14.13	17.59	--	--	--	--	--	2.49
SCIMW-21	SCI	D	10/5/2000	7.75	6.8	--	82.4	-7.2	--	995	--	18.99	18.00	--	--	--	--	--	4.30
SCIMW-22	SCI	P	5/6/1997	8.22	--	6.8	--	--	--	--	--	--	--	--	--	--	--	--	--
SCIMW-22	SCI	P	9/22/1998	7.24	6.58	--	-138.0	--	--	--	--	--	--	--	--	--	--	--	0.15
SCIMW-22	SCI	P	5/5/1999	7.66	6.81	--	-102.2	-107.1	--	13,217	--	17.79	17.00	--	--	--	--	31.5	--
SCIMW-22	SCI	P	12/2/1999	6.81	6.77	--	-40.0	-125.7	--	17,110	--	19.79	21.05	--	--	--	--	--	3.09
SCIMW-22	SCI	P	10/6/2000	5.36	7.04	--	-80.0	10.7	--	6,240	--	19.10	20.06	--	--	--	--	--	1.74
SCIMW-23	SCI	B	5/6/1997	5.55	--	6.8	--	--	--	--	--	--	--	--	--	--	--	--	--
SCIMW-23	SCI	B	9/24/1998	5.46	6.83	6.1	--	--	-50.0	9,940	--	--	--	--	--	8.3	--	--	--
SCIMW-23	SCI	B	12/11/1998	6.39	6.74	6.4	-63.0	40.0	29.0	--	--	--	--	--	--	--	--	--	1.66
SCIMW-23	SCI	B	5/6/1999	6.09	6.57	--	-43.3	-60.4	--	4,660	210	18.15	17.63	3.96	7.61	11	11	72.7	6.76
SCIMW-23	SCI	B	8/26/1999	4.35	6.46	--	-89.1	-85.3	--	7,653	7,490	--	--	--	--	11	--	--	1.79
SCIMW-23	SCI	B	12/3/1999	5.56	6.41	--	-95.4	-136.6	--	10,680	11,200	19.21	20.35	--	--	13	--	--	0.62

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)	TEMPERATURE FIELD, BEFORE PURGE (°C)	TEMPERATURE FIELD, BEFORE SAMPLING (°C)	SALINITY FIELD, BEFORE PURGE (mg/L)	SALINITY FIELD, BEFORE SAMPLING (mg/L)	DISSOLVED ORGANIC CARBON (mg/L)	TOTAL ORGANIC CARBON (mg/L)	DISSOLVED OXYGEN FIELD, BEFORE PURGE (%)	DISSOLVED OXYGEN FIELD, BEFORE PURGE (mg/L)
SCIMW-23	SCI	B	4/6/2000	2.79	6.70	--	28.0	-92.1	--	6,809	1,970	18.81	17.08	--	--	13	--	--	3.13
SCIMW-23	SCI	B	10/4/2000	2.79	6.72	--	-41.0	-34.7	--	11,790	--	18.96	19.59	--	--	--	--	--	3.48
SCIMW-23	SCI	B	5/2/2001	5.94	6.35	--	-23.4	-20.2	--	8,600	--	18.77	18	--	--	--	--	--	1.84
SCIMW-24	SCI	N	9/18/1998	4.96	6.38	6.3	-158.0	--	-52.0	1,850	--	--	--	--	--	29	--	--	0.13
SCIMW-24	SCI	N	12/11/1998	5.79	6.80	6.6	117.3	-100.6	-21.0	13,200	--	--	--	--	--	27	--	--	1.18
SCIMW-24	SCI	N	5/6/1999	5.14	6.92	--	-87.2	-81.2	--	1,134	1,090	19.19	18.65	0.88	0.87	23	--	72	6.67
SCIMW-24	SCI	N	12/1/1999	4.99	6.28	--	-47.0	-59.8	--	2,586	2,370	20.60	20.02	--	--	19	--	--	5.09
SCIMW-24	SCI	N	4/6/2000	5.05	6.83	--	-92.1	-97.6	--	1,781	--	18.84	18.07	--	--	33	--	--	1.60
SCIMW-24	SCI	N	10/5/2000	4.95	6.60	--	33.5	-32.5	--	2,720	--	24.25	23.17	--	--	--	--	--	7.45
SCIMW-24	SCI	N	5/2/2001	4.94	5.84	--	-30.0	-19.5	--	1,520	--	20.09	19.42	--	--	--	--	--	9.12
SCIMW-25	SCI	H	5/30/2001	**Well Abandoned**															
SCIMW-26	SCI	H	9/22/1998	7.41	6.54	--	-94.0	--	--	--	--	--	--	--	--	--	--	--	0.11
SCIMW-26	SCI	H	12/2/1999	7.92	6.74	--	-175.4	-163.2	--	11,240	--	18.53	17.75	--	--	--	--	--	2.53
SCIMW-26	SCI	H	10/6/2000	7.92	6.35	--	-9.5	-2.5	--	11,560	--	23.58	22.50	--	--	--	--	--	1.49
SCIMW-27	SCI	E/H	9/22/1998	6.58	6.85	--	-52.0	--	--	--	--	--	18	--	--	--	--	--	0.11
SCIMW-27	SCI	E/H	12/2/1999	6.52	6.75	--	-19.0	-97.0	--	11,180	--	15.61	17.34	--	--	--	--	--	4.29
SCIMW-28	SCI	Q	9/23/1998	7.83	6.85	--	--	--	--	--	--	--	17	--	--	--	--	--	--
SCIMW-28	SCI	Q	5/6/1999	8.98	6.75	--	-55.9	-77.6	--	460	--	14.36	15.70	0.35	8.5	17	--	82.3	8.47
SCIMW-28	SCI	Q	12/2/1999	8.26	6.53	--	91.1	-60.1	--	219	--	15.23	16.99	--	--	--	--	--	3.51
SCIMW-28	SCI	Q	10/5/2000	7.79	5.98	--	110.2	17.1	--	460	--	18.93	17.70	--	--	--	--	--	6.13
SCIMW-28	SCI	Q	5/2/2001	8.77	5.48	--	-20.7	-21.2	--	400	--	15.98	16.17	--	--	--	--	--	2.11
SCIMW-29	SCI	Q	10/4/2000	7.50	6.4	--	64.4	-5.3	--	6,800	--	18.20	17.50	--	--	--	--	--	4.60
SCIMW-30	SCI	P	9/21/1998	7.63	6.58	--	-132.0	--	--	--	--	--	16.99	--	--	--	--	--	0.12
SCIMW-30	SCI	P	5/5/1999	7.89	6.30	--	-3.9	-109.1	--	4,777	--	18.60	18.50	--	--	--	--	32.3	--
SCIMW-30	SCI	P	12/2/1999	7.94	7.03	--	-89.9	-139.0	--	14,410	--	19.53	19.66	--	--	--	--	--	1.71
SCIMW-30	SCI	P	10/6/2000	7.26	6.73	--	-61.9	-152.6	--	13,510	--	24.26	20.40	--	--	--	--	--	3.38
SCIMW-30	SCI	P	5/2/2001	8.10	6.22	--	-24.5	-45.8	--	7,750	--	19.67	19.25	--	--	--	--	--	2.72
SCIMW-31D	SCI	P	9/21/1998	4.34	5.07	--	-20.0	--	--	--	--	--	19.66	--	--	--	--	--	0.18
SCIMW-31D	SCI	P	5/5/1999	4.01	6.51	--	302.7	55.3	--	12,370	--	19.89	19.90	--	--	--	--	109.4	--
SCIMW-31D	SCI	P	12/1/1999	4.13	6.36	--	80.7	50.1	--	15,780	--	20.00	19.12	--	--	--	--	--	5.73
SCIMW-31D	SCI	P	10/4/2000	4.32	6.32	--	240.4	294.4	--	16,790	--	18.99	19.06	--	--	--	--	--	4.10
SCIMW-31D	SCI	P	5/2/2001	4.02	6.00	--	-17.6	-17.4	--	17,020	--	19.90	20.00	--	--	--	--	--	4.98
SCIMW-32	SCI	I/P	9/21/1998	7.71	5.11	--	-101.0	--	--	--	--	--	19.12	--	--	--	--	--	0.09
SCIMW-32	SCI	I/P	5/5/1999	8.43	6.24	--	-44.2	-88.4	--	2,839	--	20.56	19.08	--	--	--	--	94.6	--
SCIMW-32	SCI	I/P	12/1/1999	8.04	7.03	--	-13.3	-79.8	--	3,847	--	21.68	21.45	--	--	--	--	--	3.82
SCIMW-33	SCI	I/I	9/21/1998	7.15	4.98	--	-194.0	--	--	--	--	--	21.45	--	--	--	--	--	0.09
SCIMW-33	SCI	I/I	5/5/1999	7.47	6.60	--	-72.9	-88.4	--	3,355	--	19.80	19.11	--	--	--	--	35.3	--
SCIMW-33	SCI	I/I	12/1/1999	6.75	6.81	--	-58.8	-113.2	--	6,845	--	19.94	22.11	--	--	--	--	--	3.67
SCIMW-33	SCI	I/I	10/4/2000	7.12	6.06	--	10.1	-79.7	--	7,800	--	24.05	20.44	--	--	--	--	--	2.97
SCIMW-33	SCI	I/I	5/2/2001	7.17	6.44	--	-21.0	-19.4	--	5,160	--	20.32	19.19	--	--	--	--	--	3.33

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)	TEMPERATURE FIELD, BEFORE PURGE (°C)	TEMPERATURE FIELD, BEFORE SAMPLING (°C)	SALINITY FIELD, BEFORE PURGE (mg/L)	SALINITY FIELD, BEFORE SAMPLING (mg/L)	DISSOLVED ORGANIC CARBON (mg/L)	TOTAL ORGANIC CARBON (mg/L)	DISSOLVED OXYGEN FIELD, BEFORE PURGE (%)	DISSOLVED OXYGEN FIELD, BEFORE PURGE (mg/L)
SCIMW-34	SCI	R	9/24/1998	4.87	6.87	6.3	--	--	-15.0	15,000	--	--	22.11	--	--	12	--	--	--
SCIMW-34	SCI	R	12/11/1998	4.91	6.78	6.5	-110.2	-60.9	118.0	6,520	--	--	--	--	--	11	--	--	2.33
SCIMW-34	SCI	R	5/5/1999	4.49	6.82	--	-52.3	-43.3	--	6,775	15,500	15.57	14.75	--	--	4.9	--	46.1	--
SCIMW-34	SCI	R	8/26/1999	6.86	6.63	--	29.4	8.6	--	13,905	11,400	--	--	--	--	5.7	--	--	1.36
SCIMW-34	SCI	R	12/2/1999	4.70	6.91	--	174.8	23.0	--	11,810	14,400	17.46	17.16	--	--	7.2	--	--	4.35
SCIMW-34	SCI	R	4/6/2000	5.50	6.97	--	202.4	194.9	--	12,510	14,400	14.61	14.53	--	--	6.0	--	--	3.87
SCIMW-34	SCI	R	10/5/2000	5.94	6.40	--	8.2	14.2	--	9,020	--	20.0	18.60	--	--	--	--	--	2.47
SCIMW-34	SCI	R	5/2/2001	4.46	6.05	--	-19.4	-18.1	--	7,980	--	16.02	15.22	--	--	--	--	--	2.31
SCIMW-35	SCI	R	9/23/1998	4.74	6.76	--	125.0	--	--	--	--	--	--	--	--	--	--	--	3.06
SCIMW-35	SCI	R	12/11/1998	5.15	6.88	--	41.0	-7.1	--	--	--	--	--	--	--	--	--	--	1.80
SCIMW-35	SCI	R	5/5/1999	4.50	6.76	--	83.0	64.0	--	2,382	--	16.06	15.70	--	--	--	--	147.6	--
SCIMW-35	SCI	R	8/26/1999	5.95	6.98	--	96.6	3.3	--	9,283	--	--	--	--	--	--	--	--	2.61
SCIMW-35	SCI	R	12/2/1999	4.63	6.55	--	166.9	111.5	--	10,250	--	18.39	18.56	--	--	--	--	--	4.52
SCIMW-35	SCI	R	4/6/2000	4.55	6.87	--	309.5	263.4	--	6,123	--	15.57	16.03	--	--	--	--	--	2.86
SCIMW-35	SCI	R	10/5/2000	4.55	6.27	--	164.0	101.3	--	7,888	--	22.28	20.77	--	--	--	--	--	3.07

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)	MTBE (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	4/4/1994	5.90	--	<50	510	--	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
MW-1	Uribe	F	10/3/1994	4.36	--	--	390y	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--	--
MW-1	Clayton	F	4/10/1995	5.05	--	<50	330	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--	--
MW-1	Clayton	F	7/24/1995	4.97	--	<50	230	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--	--
MW-1	Clayton	F	11/10/1995	4.47	--	<50	430	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--	--
MW-1	Clayton/SCI	F	2/20/1996	5.50	--	<50	590yh	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--
MW-1	SCI	F	5/24/1996	4.95	--	<50	870yh	630y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-1	SCI	F	9/6/1996	4.34	--	<50	850yh	490yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-1	SCI	F	12/5/1996	5.19	--	<50	4,500yhl	2,100yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-1	SCI	F	9/25/1998	4.68	--	--	<47	<280	--	--	--	--	--	--	--	--	--	--	--
MW-1	SCI	F	12/3/1999	4.59	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
MW-1	SCI	F	5/31/2001	**Well Abandoned**															
MW-2	Uribe	F	4/4/1994	5.31	--	<50	1,800	--	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
MW-2	Uribe	F	10/5/1994	5.39	--	--	1,200y	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--	--
MW-2	Clayton	F	4/10/1995	6.29	--	<50	550	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--	--
MW-2	Clayton	F	7/24/1995	5.91	--	70	960	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--	--
MW-2	Clayton	F	11/10/1995	5.73	--	<50	920	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--	--
MW-2	Clayton/SCI	F	2/20/1996	6.51	--	<50	1,700h	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--
MW-2	SCI	F	5/24/1996	5.91	--	<50	2,800yh	1,200y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-2	SCI	F	9/5/1996	6.34	--	58z	2,900	760yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-2	SCI	F	12/4/1996	6.02	--	<50	1,600y	1,000yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-2	SCI	F	9/23/1998	5.29	--	--	80yl	<300	--	--	--	--	--	--	--	--	--	--	--
MW-2	SCI	F	12/3/1999	5.27	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
MW-2	SCI	F	10/13/2000	5.04	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--

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)	MTBE (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-3	Uribe	F	4/4/1994	5.95	--	<50	690	--	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
MW-3	Uribe	F	10/4/1994	4.74	--	--	480y	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--	--
MW-3	Clayton	F	4/10/1995	2.54	--	<50	830	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--	--
MW-3	Clayton	F	7/24/1995	6.56	--	<50	460	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--	--
MW-3	Clayton	F	11/10/1995	5.07	--	<50	2,100	--	<0.4	<0.3	0.7	<0.4	--	--	--	--	--	--	--
MW-3	Clayton/SCI	F	2/20/1996	6.04	--	<50	620h	--	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--
MW-3	SCI	F	5/24/1996	5.69	--	<50	1,100yh	550y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-3	SCI	F	9/18/1996	3.76	--	<50	1,500	890yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-3	SCI	F	12/13/1996	5.34	--	<50	580	<250	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-3	SCI	F	9/29/1998	5.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	SCI	F	12/3/1999	5.44	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
MW-3	SCI	F	10/6/2000	5.77	--	--	<50	<300	--	--	--	--	<0.5	--	--	--	--	--	--
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	4/10/1995	8.18	FREE PRODUCT -- NOT SAMPLED														
MW-4	Clayton	F	7/24/1995	8.33 (b)	--	2,400	21,000	--	140	34	74	40	--	--	--	--	--	--	--
MW-4	SCI	F	5/24/1996	9.02 (b)	--	690y	37,000	2,800yl	44	18	<2.5	7.7	--	--	--	--	--	--	--
MW-4	SCI	F	9/4/1996	7.33 (b)	--	1,000h	240,000	26,000yl	100	5.2	<0.5	7.2	--	--	--	--	--	--	--
MW-4	SCI	F	12/3/1996	8.76 (b)	--	1,500yh	13,000	2,000yl	120	33	0.9	22	--	--	--	--	--	--	--
MW-4	SCI	F	12/30/1996	9.04	FREE PRODUCT -- NOT SAMPLED														
MW-4	SCI	F	1/16/1997	8.76	FREE PRODUCT -- NOT SAMPLED														
MW-4	SCI	F	5/5/1997	8.06	FREE PRODUCT -- NOT SAMPLED														
MW-4	SCI	F	9/17/1998	7.53	FREE PRODUCT -- NOT SAMPLED														
MW-4	SCI	F	8/25/1999	7.33	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 (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)	MTBE (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-4	SCI	F	12/3/1999	6.81	FREE PRODUCT -- NOT SAMPLED														
MW-4	SCI	F	4/4/2000	NM	FREE PRODUCT -- NOT SAMPLED														
MW-4	SCI	F	10/3/2000	NM	FREE PRODUCT -- NOT SAMPLED														
MW-4	SCI	F	5/2/2000	8.13	FREE PRODUCT -- NOT SAMPLED														
MW-5	Clayton	F	4/10/1995	7.20	--	1,100	6,200	--	3.1	2.9	<0.3	11.3	--	--	--	--	--	--	--
MW-5	Clayton	F	7/24/1995	6.60	--	720	4,800	--	3.1	0.6	0.5	0.7	--	--	--	--	--	--	--
MW-5	Clayton	F	11/10/1995	6.46	--	260	3,700	--	0.8	0.6	0.5	1.9	--	--	--	--	--	--	--
MW-5	Clayton/SCI	F	2/20/1996	9.15	--	150y	440h	--	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--
MW-5	SCI	F	5/24/1996	9.17	--	82y	4,600yh	1,900y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-5	SCI	F	9/4/1996	6.40	--	<50	7,700yh	1,900yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-5	SCI	F	12/3/1996	7.20	--	140yh	13,000	1,900yl	1.5	<0.5	<0.5	2.6	--	--	--	--	--	--	--
MW-5	SCI	F	1/20/1997	8.38	--	<50	9,400	1,500yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-5	SCI	F/H	5/6/1997	6.45	<5,000	<50	8,800	2,500yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-5	SCI	F/H	9/23/1998	6.40	--	<50	1701	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-5	SCI	F/H	5/7/1999	6.59	--	<50	660	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-5	SCI	F/H	12/3/1999	6.53	--	--	490yh	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-5	SCI	F/H	10/6/2000	6.56	--	<50	600	<300	<0.5	<0.5	<0.5	<0.5	1.3	--	--	--	--	--	--
MW-5	SCI	F/H	5/5/2001	6.74	--	91yh	2,400	<300	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
MW-6	Clayton	F	4/10/1995	7.74 (b)	--	1,300	10,000	--	4.4	0.7	<0.3	0.8	--	--	--	--	--	--	--
MW-6	SCI	F	7/24/1995	6.67	FREE PRODUCT -- NOT SAMPLED														
MW-6	SCI	F	5/24/1996	7.71 (b)	--	280,000yh	240,000	5,500yl	<250	<250	<250	<250	--	--	--	--	--	--	--
MW-6	SCI	F	9/5/1996	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	12/4/1996	7.90 (b)	--	4,700yh	140,000	7,300yl	19	<10	11	<10	--	--	--	--	--	--	--
MW-6	SCI	F	1/16/1997	7.63	FREE PRODUCT -- NOT SAMPLED														
MW-6	SCI	F/H	5/6/1997	7.04 (b)	330,000	440yh	620,000	24,000yl	2.4	<0.5	0.51	0.61	--	--	--	--	--	--	--
MW-6	SCI	F	9/25/1997	7.97	FREE PRODUCT -- NOT SAMPLED														
MW-6	SCI	F	5/4/1999	7.21	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 (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)	MTBE (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)
SCIMW-3	SCI	I/J	5/23/1996	7.22	<5,000	--	8,000yh	7,400y	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-3	SCI	I/J	9/5/1996	6.67	<5,000	<50	8,800yh	4,400yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-3	SCI	I/J	1/20/1997	6.46	--	<50	7,500yh	5,200y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-3	SCI	I/J	9/18/1998	4.29	--	--	75yh	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-3	SCI	I/J	11/30/1999	6.17	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-3	SCI	I/J	10/10/2000	6.49	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-4	SCI	L	8/26/1996	5.50	<5,000	<50	630yh	670yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-4	SCI	L	1/22/1997	8.43	--	<50	530yh	990yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-4	SCI	L	9/23/1998	6.20	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-4	SCI	L	12/3/1999	6.82	--	--	56yh	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-5	SCI	M	9/3/1996	4.63	<5,000	<50	<50	<250	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-5	SCI	M	1/20/1997	6.12	--	<50	<50	<250	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-5	SCI	M	9/23/1998	5.78	--	--	70y	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-5	SCI	M	12/17/1998	5.64	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-5	SCI	M	5/10/1999	5.26	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-5	SCI	M	12/2/1999	5.74	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-5	SCI	M	5/31/2001	**Well Abandoned**															
SCIMW-6	SCI	C	8/28/1996	4.69	<5,000	<50	150yh	260yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-6	SCI	C	1/22/1997	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	9/23/1998	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	5/6/1999	4.39	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-6	SCI	C	12/2/1999	4.00	--	--	<50	<300	--	--	--	--	--	<0.1	<0.1	<0.5	ND	<0.5	ND
SCIMW-7	SCI	P/Q	9/6/1996	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	1/20/1997	7.32	--	6,900z	11,000y	7,500yl	8,600	<25	7,200	103	--	--	--	--	--	--	--
SCIMW-7	SCI	P/Q	10/20/1997	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	9/22/1998	5.74	--	--	<50	<300	1,100	<250	480	<250	--	<0.1	<0.1	<0.1	ND	<0.5	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 (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)	MTBE (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-6	SCI	F	12/3/1999	6.98	FREE PRODUCT -- NOT SAMPLED														
MW-6	SCI	F	10/4/2000	6.25	FREE PRODUCT -- NOT SAMPLED														
MW-7	Clayton	M	4/10/1995	5.72	--	<50	370	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--	--
MW-7	Clayton	M	7/24/1995	6.41	--	<50	260	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--	--
MW-7	Clayton	M	11/10/1995	5.35	--	<50	270	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--	--
MW-7	Clayton/SCI	M	2/20/1996	6.00	--	<50	6,100	--	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--
MW-7	SCI	M	5/24/1996	5.44	--	<50	750yh	750y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-7	SCI	M	9/5/1996	5.48	<5,000	<50	480yh	310yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
MW-7	SCI	M	12/4/1996	5.25	--	<50	340y	<240	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-7	SCI	M	1/17/1997	6.48	--	<50	200	<250	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-1	SCI	E/H	5/24/1996	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	9/6/1996	4.39	<5,000	<50	870yh	<250	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-1	SCI	E/H	1/22/1997	5.29	--	<50	520yh	<250	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-1	SCI	E/H	9/22/1998	5.02	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-1	SCI	E/H	12/2/1999	4.56	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-1	SCI	E/H	10/6/2000	4.75	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	5/23/1996	4.04	5,600	--	2,600 l	360yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-2	SCI	N	9/4/1996	3.38	8,000	<50	5,100	770yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-2	SCI	N	1/17/1997	3.82	--	95y	13,000 l	2,400yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-2	SCI	N	9/18/1998	4.07	--	--	31,000h	5,400yl	--	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	12/28/1998	3.52	--	--	5,400h	930yl	--	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	5/7/1999	4.52	--	--	10,000	1,600yl	--	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	8/26/1999	3.00	--	--	13,000	1,600	--	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	12/2/1999	3.85	--	--	7,400h	860yl	--	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	4/6/2000	2.83	--	--	220	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	10/10/2000	4.75	--	--	1,100hy	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	5/3/2001	3.11	--	--	3,000	730yl	--	--	--	--	--	--	--	--	--	--	--

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)	MTBE (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)
SCIMW-3	SCI	I/J	5/23/1996	7.22	<5,000	--	8,000yh	7,400y	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-3	SCI	I/J	9/5/1996	6.67	<5,000	<50	8,800yh	4,400yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-3	SCI	I/J	1/20/1997	6.46	--	<50	7,500yh	5,200y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-3	SCI	I/J	9/18/1998	4.29	--	--	75yh	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-3	SCI	I/J	11/30/1999	6.17	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-3	SCI	I/J	10/10/2000	6.49	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-4	SCI	L	8/26/1996	5.50	<5,000	<50	630yh	670yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-4	SCI	L	1/22/1997	8.43	--	<50	530yh	990yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-4	SCI	L	9/23/1998	6.20	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-4	SCI	L	12/3/1999	6.82	--	--	56yh	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-5	SCI	M	9/3/1996	4.63	<5,000	<50	<50	<250	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-5	SCI	M	1/20/1997	6.12	--	<50	<50	<250	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-5	SCI	M	9/23/1998	5.78	--	--	70y	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-5	SCI	M	12/17/1998	5.64	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-5	SCI	M	5/10/1999	5.26	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-5	SCI	M	12/2/1999	5.74	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-5	SCI	M	5/31/2001	**Well Abandoned**															
SCIMW-6	SCI	C	8/28/1996	4.69	<5,000	<50	150yh	260yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-6	SCI	C	1/22/1997	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	9/23/1998	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	5/6/1999	4.39	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-6	SCI	C	12/2/1999	4.00	--	--	<50	<300	--	--	--	--	--	<0.1	<0.1	<0.5	ND	<0.5	ND
SCIMW-7	SCI	P/Q	9/6/1996	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	1/20/1997	7.32	--	6,900z	11,000y	7,500yl	8,600	<25	7,200	103	--	--	--	--	--	--	--
SCIMW-7	SCI	P/Q	10/20/1997	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	9/22/1998	5.74	--	--	<50	<300	1,100	<250	480	<250	--	<0.1	<0.1	<0.1	ND	<0.5	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 (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)	MTBE (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)
SCIMW-7	SCI	P/Q	5/6/1999	7.40	--	--	--	--	--	--	--	--	--	<1.0	<1.0	<1.0	ND	<4.8	ND
SCIMW-7	SCI	P/Q	12/2/1999	5.56	--	--	<50	<300	690	<5.0	280	7.3	--	<9.4	<9.4	<9.4	ND	<47	ND
SCIMW-7	SCI	P/Q	10/5/2000	8.25	--	--	<50	<300	850	<2.5	370	14.4	<2.5	<0.1	<0.1	<0.1	ND	<0.5	ND
SCIMW-7	SCI	P/Q	5/3/2001	7.56	--	--	--	--	6,000	<420	7,800	<420	<420	<1.0	<1.0	<1.0	ND	<5.0	ND
SCIMW-8	SCI	I	8/26/1996	7.11	<5,000	<50	1,200yh	1,400yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-8	SCI	I	1/21/1997	7.70	--	<50	860yh	830yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-8	SCI	I	9/18/1998	7.25	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-8	SCI	I	11/30/1999	7.36	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-8	SCI	I	10/10/2000	7.50	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-9	SCI	I	8/26/1996	6.40	5,000	<50	1,800yh	1,100yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-9	SCI	I	1/23/1997	6.66	--	<50	1,900yh	2,300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-9	SCI	I	9/22/1998	6.64	--	--	95yh	600yh	--	--	--	--	--	--	--	--	--	--	--
SCIMW-9	SCI	I	12/1/1999	6.69	--	--	<50	480	--	--	--	--	--	--	--	--	--	--	--
SCIMW-9	SCI	I	10/10/2000	6.61	--	--	<50	470	--	--	--	--	--	--	--	--	--	--	--
SCIMW-10	SCI	J	8/26/1996	7.95	<5,000	<50	1,100yh	1,200yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-10	SCI	J	1/23/1997	7.87	--	<50	1,400yh	2,500	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--
SCIMW-10	SCI	J	9/18/1998	7.64	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-10	SCI	J	12/1/1999	5.98	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-10	SCI	J	10/10/2000	6.57	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-11	SCI	N	8/28/1996	3.83	<5,000	<50	400yhl	<250	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-11	SCI	N	1/17/1997	4.32	--	<50	180	<250	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-11	SCI	N	9/23/1998	4.72	--	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-11	SCI	N	12/10/1998	3.32	--	51	<59	<350	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-11	SCI	N	5/6/1999	3.48	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-11	SCI	N	12/1/1999	4.07	--	110	<50	<300	0.86	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-11	SCI	N	10/4/2000	4.00	--	69	<50	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-11	SCI	N	5/3/2001	2.54	--	140	<50	<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

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)	MTBE (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)
SCIMW-12	SCI	O	8/29/1996	4.09	<5,000	<50	<50	<250	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-12	SCI	O	1/17/1997	4.53	--	<50	<50	<250	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-12	SCI	O	9/18/1998	4.14	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-12	SCI	O	12/11/1998	3.73	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-12	SCI	O	5/6/1999	3.75	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-12	SCI	O	11/30/1999	4.03	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-13	SCI	J	1/23/1997	6.93	--	<50	3,400yh	3,900	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-13	SCI	J	9/18/1998	7.42	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-13	SCI	J	12/1/1999	6.73	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-13	SCI	J	10/5/2000	7.04	--	--	400h	1,500	--	--	--	--	--	--	--	--	--	--	--
SCIMW-14	SCI	I/J	8/29/1996	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	1/21/1997	5.64	--	<50	570yh	420yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-14	SCI	I/J	9/18/1998	5.48	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-14	SCI	I/J	5/4/1999	6.00	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-14	SCI	I/J	11/30/1999	5.30	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-14	SCI	I/J	5/31/2001	**Well Abandoned**															
SCIMW-15	SCI	I/J	8/29/1996	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	1/17/1997	5.01	--	<50	2,500h	1,600yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-15	SCI	I/J	9/21/1998	5.17	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-15	SCI	I/J	5/4/1999	5.15	--	--	75ylh	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-15	SCI	I/J	11/30/1999	4.71	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-15	SCI	I/J	10/11/2000	4.97	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-15	SCI	I/J	5/3/2001	5.05	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-16	SCI	R	8/30/1996	6.81	<5,000	<50	180	<250	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-16	SCI	R	1/22/1997	7.03	--	<50	290yh	<250	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-16	SCI	R	9/22/1998	7.04	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-16	SCI	R	5/4/1999	6.68	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-16	SCI	R	11/30/1999	6.66	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--

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)	MTBE (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)
SCIMW-17	SCI	R	8/29/1996	6.55	<5,000	<50	190yh	<250	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-17	SCI	R	1/22/1997	7.67	--	<50	330yh	500yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-17	SCI	R	9/21/1998	6.94	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-17	SCI	R	12/1/1999	6.65	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-17	SCI	R	5/30/2001	**Well Abandoned**															
SCIMW-18	SCI	L	9/6/1996	5.22+	<5,000	<50	2,200yh	1,600yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-18	SCI	L	1/20/1997	6.98	--	<50	1,900yh	1,900y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-18	SCI	L	9/24/1998	7.23	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-18	SCI	L	12/1/1999	6.67	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-18	SCI	L	10/11/2000	7.11	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-19	SCI	R	8/30/1996	6.16	<5,000	<50	180	<250	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-19	SCI	R	1/21/1997	7.42	--	<50	150yh	<250	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-19	SCI	R	9/18/1998	6.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SCIMW-19	SCI	R	12/2/1999	6.46	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-20	SCI	H/Q	9/3/1996	7.03	<5,000	<50	330y	<250	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-20	SCI	H/Q	1/20/1997	7.67	--	<50	340yh	290y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-20	SCI	H/Q	9/22/1998	6.79	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-20	SCI	H/Q	12/2/1999	3.40	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-20	SCI	H/Q	5/30/2001	**Well Abandoned**															
SCIMW-21	SCI	D	5/6/1997	7.44	<5,000	<50	670h	860yhl	<0.5	<0.5	<0.5	<0.5	--	<0.094	<0.094	<0.094	ND	<0.47	ND
SCIMW-21	SCI	D	9/23/1998	7.54	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-21	SCI	D	12/3/1999	8.98	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-21	SCI	D	10/6/2000	7.75	--	--	<50	<300	--	--	--	--	<0.5	--	--	--	--	--	--
SCIMW-22	SCI	P	5/6/1997	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	10/20/1997	7.61	<5,000	<50	1,500yh	2,700yhl	<0.5	<0.5	<0.5	<0.5	--	<0.094	<0.094	<0.094	ND	<0.47	ND
SCIMW-22	SCI	P	9/22/1998	7.24	--	--	<50	<300	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--
SCIMW-22	SCI	P	5/5/1999	7.66	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-22	SCI	P	12/2/1999	6.81	--	--	<50	<300	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--
SCIMW-22	SCI	P	10/10/2000	5.36	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--

TABLE 4
PETROLEUM HYDROCARBON, BTEX, PESTICIDE AND PCB
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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)	MTBE (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)
SCIMW-23	SCI	B	5/6/1997	5.55	10,000	--	1,400	1,200yl	--	--	--	--	--	<0.094	<0.094	<0.094	***	<0.47	ND
SCIMW-23	SCI	B	9/24/1998	5.46	--	--	680y	<300	--	--	--	--	--	<0.09	<0.09	<0.09	ND	<0.5	ND
SCIMW-23	SCI	B	12/11/1998	6.39	--	--	260yh	<300	--	--	--	--	--	<0.1	<0.1	<0.1	ND	<0.5	ND
SCIMW-23	SCI	B	5/7/1999	6.09	--	--	660y	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-23	SCI	B	8/26/1999	4.35	--	--	120y	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-23	SCI	B	12/3/1999	5.56	--	--	74yh	<300	--	--	--	--	--	<0.1	<0.1	<0.1	ND	<0.5	ND
SCIMW-23	SCI	B	4/6/2000	2.79	--	--	250	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-23	SCI	B	10/10/2000	5.19	--	--	60y	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-23	SCI	B	5/3/2001	5.94	--	--	53y	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-24	SCI	N	5/6/1997	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	9/18/1998	4.96	--	7,100	330yl	<300	950	99	53	98	--	--	--	--	--	--	--
SCIMW-24	SCI	N	12/11/1998	5.79	--	8,300	800yl	<300	1,200	180	56	111	--	--	--	--	--	--	--
SCIMW-24	SCI	N	5/6/1999	5.14	--	6,700	1,900yl	660yl	1,100	120	31	89	--	--	--	--	--	--	--
SCIMW-24	SCI	N	8/25/1999	4.59	FREE PRODUCT -- NOT SAMPLED														
SCIMW-24	SCI	N	12/1/1999	4.99	--	7,000	960yl	<300	860	25	35	53.6	--	--	--	--	--	--	--
SCIMW-24	SCI	N	4/6/2000	5.05	--	4,500	2,600yl	2,100	1,700	87	41	81	--	--	--	--	--	--	--
SCIMW-24	SCI	N	10/10/2000	4.95	--	5,400	1,200ly	<300	1,600	36	59	69	--	--	--	--	--	--	--
SCIMW-24	SCI	N	5/4/2001	4.94	--	7,100	5,300hly	3,600	2,700	160	64	100	--	--	--	--	--	--	--
SCIMW-25	SCI	H	5/7/1997	7.30	<5,000	<50	100	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-25	SCI	H	5/30/2001	**Well Abandoned**															
SCIMW-26	SCI	H	5/6/1997	8.15	<5,000	<50	140	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-26	SCI	H	9/22/1998	7.41	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-26	SCI	H	12/2/1999	7.92	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-26	SCI	H	10/6/2000	7.92	--	--	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-27	SCI	E/H	5/6/1997	6.45	<5,000	<50	3,400	1,800yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-27	SCI	E/H	9/22/1998	6.58	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-27	SCI	E/H	11/29/1999	6.52	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--

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PETROLEUM HYDROCARBON, BTEX, PESTICIDE AND PCB
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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)	MTBE (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)
SCIMW-28	SCI	Q	5/7/1997	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	9/25/1998	7.83	--	--	<47	<280	--	--	--	--	--	--	--	--	--	<0.47	ND
SCIMW-28	SCI	Q	12/2/1999	8.26	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-28	SCI	Q	10/6/2000	7.79	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-29	SCI	H	5/20/1997	7.48	<5,000	<50	150	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-29	SCI	H	10/6/2000	7.50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-30	SCI	P	10/20/1997	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	9/23/1998	7.63	--	--	60y	<300	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--
SCIMW-30	SCI	P	5/5/1999	7.89	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-30	SCI	P	12/2/1999	7.94	--	--	<50	<300	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--
SCIMW-30	SCI	P	10/6/2000	7.26	--	--	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-31D	SCI	P	10/20/1997	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	9/21/1998	4.34	--	--	--	--	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--
SCIMW-31D	SCI	P	10/4/2000	4.32	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-31D	SCI	P	5/3/2001	4.02	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-32	SCI	I/P	10/20/1997	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	9/21/1998	7.71	--	--	<50	<300	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--
SCIMW-32	SCI	I/P	12/2/1999	8.04	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-33	SCI	I/J	10/20/1997	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/J	9/21/1998	7.15	--	--	210yl	<300	<10	<10	<10	<10	--	2.0	0.2	<0.09	ND	<0.5	ND
SCIMW-33	SCI	I/J	5/5/1999	7.47	--	--	1,100h	<300	<10	<10	<10	<10	--	18.0	7.8	<4.9	ND	<24	ND
SCIMW-33	SCI	I/J	12/1/1999	6.75	--	<50	87	<300	--	--	--	--	--	1.7	<1.0	<1.0	ND	<5.1	ND
SCIMW-33	SCI	I/J	10/4/2000	7.12	--	--	<50	<300	2.5	0.68	0.74	13	<0.5	<0.10	<0.10	<0.10	ND	<0.5	ND
SCIMW-33	SCI	I/J	5/4/2001	7.17	--	--	--	--	1.9	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--

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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)	MTBE (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)
SCIMW-34	SCI	R	10/20/1997	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	9/24/1998	4.87	--	92	61y	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-34	SCI	R	12/11/1998	4.91	--	290	60ylh	<300	150	28	1.0	6.5	--	--	--	--	--	--	--
SCIMW-34	SCI	R	5/5/1999	4.49	--	91	<50	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-34	SCI	R	8/26/1999	6.86	--	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-34	SCI	R	12/2/1999	4.70	--	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-34	SCI	R	4/6/2000	5.50	--	57	<50	<300	8.6	0.84	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-34	SCI	R	10/6/2000	5.94	--	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-34	SCI	R	5/4/2001	4.46	--	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-35	SCI	R	10/20/1997	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	9/23/1998	4.74	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-35	SCI	R	12/11/1998	5.15	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-35	SCI	R	5/4/1999	4.50	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-35	SCI	R	12/2/1999	4.63	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-35	SCI	R	10/10/2000	5.53	--	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
XA Dup of SCIMW-16	SCI	R	8/30/1996	6.81	--	--	--	--	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--
XB Dup of SCIMW-3	SCI	I/J	9/5/1996	6.67	--	--	--	--	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--

Notes:

TVH = Total Volatile Hydrocarbons
TEH = Total Extractable Hydrocarbons
DDD = Dichlorodiphenyldichloroethane
DDE = Dichlorodiphenyldichloroethene
DDT = Dichlorodiphenyltrichloroethene
PCBs = Polychlorinated Biphenyls

µg/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.

*** = Also detected 0.05ug/L Heptachlor epoxide B
(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 (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*
MW-5	SCI	F	1/20/1997	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	5/6/1997	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-5	SCI	F/H	5/4/2001	6.74	11	<10	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<10	<0.5	<0.5	<0.5	ND
MW-6	SCI	F	9/5/1996	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	5/6/1997	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	9/5/1996	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	1/17/1997	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	5/24/1996	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	9/6/1996	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	1/22/1997	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	9/4/1996	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	1/17/1997	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	5/23/1996	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	9/5/1996	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	9/5/1996	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	1/20/1997	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	8/26/1996	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	1/22/1997	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	9/3/1996	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	1/20/1997	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-5	SCI	M	5/31/2001	**Well Abandoned**															
SCIMW-6	SCI	C	8/28/1996	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	1/22/1997	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

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 (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*
SCIMW-7	SCI	P/Q	9/6/1996	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	1/20/1997	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	10/20/1997	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	9/22/1998	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	5/6/1999	7.40	<100	<50	<25	<25	570	<25	<25	<25	160	34	<50	<25	<25	160	ND
SCIMW-7	SCI	P/Q	12/2/1999	5.56	35	31	<5.0	<5.0	890	580	6.2	79	2,900	120	17	1,500	250	390	ND
SCIMW-7	SCI	P/Q	10/6/2000	8.25	50	<50	<2.5	<2.5	790	380	3.5	41	830	77	<50	810	77	590	a
SCIMW-7	SCI	P/Q	5/3/2001	7.56	<8,300	<8,300	<420	<420	3,900	15,000	<420	1,200	98,000	760	<8,300	34,000	6,000	8,400	ND
SCIMW-8	SCI	I	8/26/1996	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	1/21/1997	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
SCIMW-9	SCI	I	8/29/1996	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	1/23/1997	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	8/26/1996	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	1/23/1997	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	8/28/1996	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	1/17/1997	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	8/29/1996	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	1/17/1997	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	8/29/1996	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	1/23/1997	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	8/29/1996	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	1/21/1997	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-14	SCI	I/J	5/30/2001	**Well Abandoned**															
SCIMW-15	SCI	I/J	8/29/1996	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	1/17/1997	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

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 (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*
SCIMW-16	SCI	R	8/30/1996	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	8/30/1996	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	1/22/1997	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	8/29/1996	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	1/22/1997	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-17	SCI	R	5/30/2001	**Well Abandoned**															
SCIMW-18	SCI	L	9/6/1996	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	1/20/1997	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	8/30/1996	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	1/21/1997	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	9/3/1996	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	1/20/1997	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-20	SCI	H/Q	5/30/2001	**Well Abandoned**															
SCIMW-22	SCI	P	5/6/1997	8.22	<100	<50	<25	<25	<50	<25	<25	<25	<25	<25	<50	<25	<25	<50	ND
SCIMW-22	SCI	P	10/20/1997	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	9/23/1998	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	5/5/1999	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
SCIMW-22	SCI	P	12/2/1999	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-24	SCI	N	5/6/1997	4.44	<100	<50	<25	<25	<50	<25	<25	<25	<25	<25	<50	<25	<25	<50	ND
SCIMW-25	SCI	H	5/7/1997	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-25	SCI	H	5/30/2001	**Well Abandoned**															
SCIMW-26	SCI	H	5/6/1997	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-26	SCI	H	10/6/2000	7.92	<10	<10	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	ND
SCIMW-27	SCI	E/H	5/6/1997	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	5/20/1997	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

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 (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*
SCIMW-30	SCI	P	10/20/1997	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	9/23/1998	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	5/5/1999	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-30	SCI	P	12/2/1999	7.94	<20	<10	16	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-30	SCI	P	10/6/2000	7.26	<10	<10	7.4	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	ND
SCIMW-30	SCI	P	5/4/2001	8.10	<10	<10	1.0	<0.5	<1.0	3.0	<0.5	<0.5	1.2	<0.5	<10	<0.5	<0.5	<0.5	ND
SCIMW-31D	SCI	P	10/20/1997	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	9/21/1998	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	5/5/1999	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-31D	SCI	P	12/1/1999	4.13	<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	10/4/2000	4.32	<10	<10	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	ND
SCIMW-31D	SCI	P	5/3/2001	4.02	<10	<10	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	ND
SCIMW-32	SCI	I/P	10/20/1997	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	9/21/1998	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	5/5/1999	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-32	SCI	I/P	12/1/1999	8.04	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-33	SCI	I/J	10/20/1997	6.89	<50	<25	<13	310	<25	<13	<13	<13	<13	<13	<25	<13	<13	<25	ND
SCIMW-33	SCI	I/J	9/21/1998	7.15	<40	<20	<10	260	<20	<10	<10	<10	<10	<10	<20	<10	<10	<20	ND
SCIMW-33	SCI	I/J	5/5/1999	7.47	<40	<20	<10	290	<20	<10	<10	<10	<10	<10	<20	<10	<10	<20	ND
SCIMW-33	SCI	I/J	12/1/1999	6.75	<20	<10	<5.0	160	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-33	SCI	I/J	10/6/2000	7.12	<10	<10	<0.52	180	<1.0	<0.50	<0.50	<0.50	1.1	<0.50	<10	<0.50	<0.50	<0.50	ND
SCIMW-33	SCI	I/J	5/4/2001	7.17	<20	<20	<1.0	210	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<0.50	b
SCIMW-34	SCI	R	10/20/1997	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

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 (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*
SCIMW-34	SCI	R	5/4/2001	4.46	<10	<10	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	ND
SCIMW-35	SCI	R	10/20/1997	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 and MTBE presented in Table 4
MEK = Methylethylketone
µg/L = micrograms per liter or parts per billion
<10 = Compound not detected at or above stated reporting limit
a = 370 ug/L of cis-1,3-Dichloropropene and 2.9 ug/L of tetrachloroethene detected
b = 2.4 ug/L of Isopropylbenzene, 1.6 ug/L of 1,2,4 - Trimethylbenzene,
2.2 ug/L of 1,4 Dichlorobenzene, 3.1 ug/L of Dichlorobenzene, and 1.4 ug/L of Napthalene

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 (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
MW-5	SCI	Filtered	F	1/20/1997	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	9/5/1996	6.67	<2400	<470	<470	<470	<470	<470	<470	<470	<470	<470	<470	ND
MW-7	SCI	Filtered	M	9/5/1996	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	1/17/1997	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	5/24/1996	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	9/6/1996	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	1/22/1997	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	5/23/1996	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	9/4/1996	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	1/17/1997	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	5/23/1996	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	9/5/1996	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	1/20/1997	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-4	SCI	Filtered	L	8/26/1996	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	1/22/1997	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	9/3/1996	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	1/20/1997	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-5	SCI	--	M	5/31/2001	**Well Abandoned**												
SCIMW-6	SCI	Filtered	C	8/28/1996	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	1/22/1997	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	9/6/1996	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	1/20/1997	7.32	280	11J	<19	<19	40	<19	<19	55	110	<19	27	ND
SCIMW-8	SCI	Filtered	I	8/26/1996	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	1/21/1997	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	8/29/1996	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	1/23/1997	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	9/22/1998	6.64	<48	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	NL	<9.7	<9.7	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 (FEET)	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	8/26/1996	7.95	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	ND
SCIMW-10	SCI	Filtered	J	1/23/1997	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	8/28/1996	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	1/17/1997	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	8/29/1996	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	1/17/1997	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	8/29/1996	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	1/23/1997	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	8/29/1996	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	1/21/1997	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-14	SCI	--	I/J	5/30/2001	**Well Abandoned**												
SCIMW-15	SCI	Filtered	I/J	8/29/1996	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	1/17/1997	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	9/21/1998	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	8/30/1996	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	1/22/1997	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	8/29/1996	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	1/22/1997	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	9/6/1996	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	1/20/1997	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	8/30/1996	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	1/21/1997	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	9/3/1996	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	1/20/1997	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-20	SCI	--	H/Q	5/30/2001	**Well Abandoned**												
SCIMW-22	SCI	Filtered	P	5/6/1997	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	5/6/1997	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	10/20/1997	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	10/20/1997	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
* = Napthalene detected at 45 µg/L

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

SAMPLE DESIGNATION	CONSULTANT	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Port 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)		Other PNAs (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
MW-5	SCI	F	1/20/1997	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	--	ND	--
MW-6	SCI	F	9/5/1996	6.67	<470	--	<470	--	<470	--	<470	--	<470	--	<470	--	<470	--	<470	--	<470	--	<470	--	<470	--	<470	--	a	--
MW-7	SCI	M	9/5/1996	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	--	ND	--
MW-7	SCI	M	1/17/1997	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	--	ND	--
SCIMW-1	SCI	E/H	5/24/1996	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	--	ND	--
SCIMW-1	SCI	E/H	9/6/1996	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	--	ND	--
SCIMW-1	SCI	E/H	1/22/1997	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	--	ND	--
SCIMW-2	SCI	N	5/23/1996	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	--	ND	--
SCIMW-2	SCI	N	9/4/1996	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	--	b	--
SCIMW-2	SCI	N	1/17/1997	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	--	ND	--
SCIMW-2	SCI	N	9/18/1998	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	ND	--
SCIMW-2	SCI	N	12/10/1998	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	--	--
SCIMW-3	SCI	I/J	5/23/1996	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	--	ND	--
SCIMW-3	SCI	I/J	9/5/1996	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	--	ND	--
SCIMW-3	SCI	I/J	1/20/1997	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	--	ND	--
SCIMW-3	SCI	I/J	9/18/1998	4.29	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	--
SCIMW-4	SCI	L	8/26/1996	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	--	ND	--
SCIMW-4	SCI	L	1/22/1997	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	--	ND	--
SCIMW-5	SCI	M	9/3/1996	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	--	ND	--
SCIMW-5	SCI	M	1/20/1997	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	--	ND	--
SCIMW-5	SCI	M	5/31/2001	Well Abandoned																										
SCIMW-6	SCI	C	8/28/1996	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	--	ND	--
SCIMW-6	SCI	C	1/22/1997	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	--	ND	--
SCIMW-6	SCI	C	9/23/1998	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	ND	--
SCIMW-6	SCI	C	12/10/1998	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	--	--
SCIMW-7	SCI	P/Q	9/6/1996	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	--	ND	--
SCIMW-7	SCI	P/Q	1/20/1997	7.32	<19	--	<19	--	<19	--	<19	--	<19	--	<19	--	<19	--	<19	--	<19	--	<19	--	<19	--	28	--	<19	--	ND	--
SCIMW-8	SCI	I	8/26/1996	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	--	ND	--
SCIMW-8	SCI	I	1/21/1997	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	--	ND	--
SCIMW-8	SCI	I	9/18/1998	7.25	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	--
SCIMW-9	SCI	I	8/29/1996	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	--	ND	--
SCIMW-9	SCI	I	1/23/1997	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	--	ND	--
SCIMW-9	SCI	I	9/22/1998	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	--	--

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

Subsurface Consultants, Inc.

SAMPLE DESIGNATION	CONSULTANT	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Port 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)		Other PNAs (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
SCIMW-10	SCI	J	8/26/1996	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	--	ND	--
SCIMW-10	SCI	J	1/23/1997	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	--	ND	--
SCIMW-11	SCI	N	8/28/1996	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	--	ND	--
SCIMW-11	SCI	N	1/17/1997	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	--	ND	--
SCIMW-11	SCI	N	9/23/1998	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	ND	--
SCIMW-11	SCI	N	12/10/1998	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	--	--
SCIMW-12	SCI	O	8/29/1996	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	--	ND	--
SCIMW-12	SCI	O	1/17/1997	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	--	ND	--
SCIMW-13	SCI	J	8/29/1996	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	--	ND	--
SCIMW-13	SCI	J	1/23/1997	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	--	ND	--
SCIMW-13	SCI	J	9/18/1998	7.42	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	--
SCIMW-14	SCI	I/J	8/29/1996	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	--	ND	--
SCIMW-14	SCI	I/J	1/21/1997	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	--	ND	--
SCIMW-14	SCI	I/J	9/18/1998	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	ND	--
SCIMW-14	SCI	I/J	5/31/2001	**Well Abandoned**																										
SCIMW-15	SCI	I/J	8/29/1996	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	--	ND	--
SCIMW-15	SCI	I/J	1/17/1997	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	--	ND	--
SCIMW-15	SCI	I/J	9/21/1998	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	--	--
SCIMW-16	SCI	R	8/30/1996	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	--	ND	--
SCIMW-16	SCI	R	1/22/1997	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	--	ND	--
SCIMW-17	SCI	R	8/29/1996	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	--	ND	--
SCIMW-17	SCI	R	1/22/1997	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	--	ND	--
SCIMW-18	SCI	L	9/6/1996	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	--	ND	--
SCIMW-18	SCI	L	1/20/1997	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	--	ND	--
SCIMW-19	SCI	R	8/30/1996	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	--	ND	--
SCIMW-19	SCI	R	1/21/1997	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	--	ND	--
SCIMW-20	SCI	H/Q	9/3/1996	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	--	ND	--
SCIMW-20	SCI	H/Q	1/20/1997	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	--	ND	--
SCIMW-20	SCI	H/Q	5/30/2001	**Well Abandoned**																										
SCIMW-22	SCI	P	5/6/1997	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	--	ND	--
SCIMW-24	SCI	N	5/6/1997	4.44	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	70	--	5.9J	--	c	--
SCIMW-24	SCI	N	9/18/1998	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	--	--
SCIMW-24	SCI	N	5/6/1999	5.14	--	<10	--	<10	--	<10	--	<10	--	<10	--	--	--	<10	--	<10	--	<10	--	<10	--	77	--	<10	--	--
SCIMW-24	SCI	N	12/1/1999	4.99	--	<10	--	<10	--	<10	--	<10	--	<10	--	--	--	<10	--	<10	--	<10	--	<10	--	45	--	<10	--	--
SCIMW-24	SCI	N	10/5/2000	4.95	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	67	--	<9.5	--	--
SCIMW-28	SCI	Q	9/25/1998	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	--	--
SCIMW-33	SCI	I/J	10/6/1998	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	--	--

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

SAMPLE DESIGNATION	CONSULTANT	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Port 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)		Other PNAs (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
SCIMW-34	SCI	R	10/20/1997	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	--	ND	--
SCIMW-34	SCI	R	9/24/1998	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	ND	--
SCIMW-34	SCI	R	12/11/1998	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	--	--
SCIMW-34	SCI	R	10/5/2000	5.94	<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-34	SCI	R	5/4/2001	4.46	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11
SCIMW-35	SCI	R	10/20/1997	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	--	ND	--

Notes:
a: 2-Methylnaphthalene detected at 410J µg/L in MW-6
b: 2-Methylnaphthalene detected at 6.0J 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)	BERYLL-IUM (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)
MW-5	SCI	Filtered	F	1/20/1997	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	5/6/1997	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	5/6/1997	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	5/24/1996	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	5/24/1996	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	9/6/1996	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	1/22/1997	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	5/23/1996	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	5/23/1996	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	9/4/1996	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	1/17/1997	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	9/18/1998	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	12/10/1998	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	5/7/1999	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	8/26/1999	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-2	SCI	Filtered	N	12/2/1999	3.85	<60	6.6	330	<2.0	<5.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	24
SCIMW-2	SCI	Filtered	N	10/10/2000	4.75	<60	7.2	230	<2.0	<5.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	<20
SCIMW-2	SCI	Filtered	N	5/3/2001	3.11	<60	<5.0	380	<2.0	<5.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	31
SCIMW-3	SCI	Unfiltered	I/J	5/23/1996	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	5/23/1996	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	9/5/1996	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	1/20/1997	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	8/26/1996	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	1/22/1997	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	9/3/1996	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	1/20/1997	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-5	SCI	--	M	5/31/2001	**Well Abandoned**																			

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)	BERYLL-IUM (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	8/28/1996	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	1/22/1997	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
SCIMW-6	SCI	Filtered	C	9/23/1998	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	12/10/1998	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	5/6/1999	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	8/26/1999	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-6	SCI	Filtered	C	12/2/1999	4.00	<60	<5.0	33	<2.0	<5.0	<10	--	<20	23	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	92
SCIMW-7	SCI	Filtered	P/Q	9/6/1996	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	1/20/1997	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	8/26/1996	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	1/21/1997	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	8/29/1996	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	1/23/1997	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	8/26/1996	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	1/23/1997	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	8/28/1996	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	1/17/1997	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	9/23/1998	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	12/10/1998	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	5/6/1999	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-11	SCI	Filtered	N	12/1/1999	4.07	<60	<5.0	180	<2.0	<5.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	8.8	<5.0	<5.0	<10	<20
SCIMW-12	SCI	Filtered	O	8/29/1996	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	1/17/1997	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	8/29/1996	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	1/23/1997	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	8/29/1996	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	1/21/1997	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-14	SCI	--	I/J	5/30/2001	**Well Abandoned**																			
SCIMW-15	SCI	Filtered	I/J	8/29/1996	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	1/17/1997	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	8/30/1996	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	1/22/1997	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	8/29/1996	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
SCIMW-17	SCI	Filtered	R	1/22/1997	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-17	SCI	--	R	5/30/2001	**Well Abandoned**																			

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)	BERYLL-IUM (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-18	SCI	Filtered	L	9/6/1996	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	1/20/1997	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	8/30/1996	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	1/21/1997	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	9/3/1996	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	1/20/1997	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	10/7/1998	6.79	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
SCIMW-20	SCI	Filtered	H/Q	12/2/1999	3.40	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
SCIMW-20	SCI	--	H/Q	5/30/2001	**Well Abandoned**																			
SCIMW-21	SCI	Filtered	D	5/6/1997	7.44	--	--	--	--	--	--	--	--	--	7.2	--	--	--	110,000	--	--	--	--	--
SCIMW-22	SCI	Filtered	P	5/6/1997	8.22	--	--	--	--	--	--	70	--	--	--	--	--	--	170,000	--	--	--	--	--
SCIMW-23	SCI	Filtered	B	5/6/1997	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	5/6/1997	4.44	--	--	--	--	--	--	160	--	--	6.3	--	--	--	--	--	--	--	--	--
SCIMW-24	SCI	Filtered	N	9/18/1998	4.96	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
SCIMW-24	SCI	Filtered	N	12/11/1998	5.79	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
SCIMW-24	SCI	Filtered	N	5/6/1999	5.14	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
SCIMW-24	SCI	Filtered	N	12/1/1999	4.99	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
SCIMW-24	SCI	Filtered	N	4/6/2000	5.05	--	--	--	--	--	--	--	--	--	8.3	--	--	--	--	--	--	--	--	--
SCIMW-25	SCI	Filtered	H	5/7/1997	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-25	SCI	--	H	5/30/2001	**Well Abandoned**																			
SCIMW-26	SCI	Filtered	H	5/6/1997	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	5/6/1997	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	5/7/1997	8.34	--	--	--	--	--	--	90	--	--	6.9	--	--	--	--	--	--	--	--	--
SCIMW-28	SCI	Filtered	Q	9/25/1998	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	5/6/1999	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-28	SCI	Filtered	Q	12/2/1999	8.26	<60	<5.0	11	<2.0	<5.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10.0	<20
SCIMW-28	SCI	Filtered	Q	10/6/2000	8.26	<60	36	22	<2.0	<5.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	16	<20
SCIMW-28	SCI	Filtered	Q	5/10/2001	8.77	<60	5.0	25	<2.0	5.1	<10	--	<20	71	110	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	510
SCIMW-29	SCI	Filtered	H	5/20/1997	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	9/24/1998	4.87	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
SCIMW-34	SCI	Filtered	H	12/11/1998	4.91	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
SCIMW-34	SCI	Filtered	H	5/6/1999	4.49	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
SCIMW-34	SCI	Filtered	H	8/26/1999	6.86	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
SCIMW-34	SCI	Filtered	H	12/2/1999	4.70	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
SCIMW-34	SCI	Filtered	H	4/6/2000	5.50	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--

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)	BERYLL-IUM (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-34	SCI	Filtered	H	10/5/2000	5.94	--	--	--	--	<5.0	--	<10	--	--	--	--	--	24	--	--	--	--	--	<20
SCIMW-34	SCI	Filtered	H	5/4/2001	4.46	--	--	--	--	<5.0	--	<10	--	--	--	--	--	23	--	--	--	--	--	43

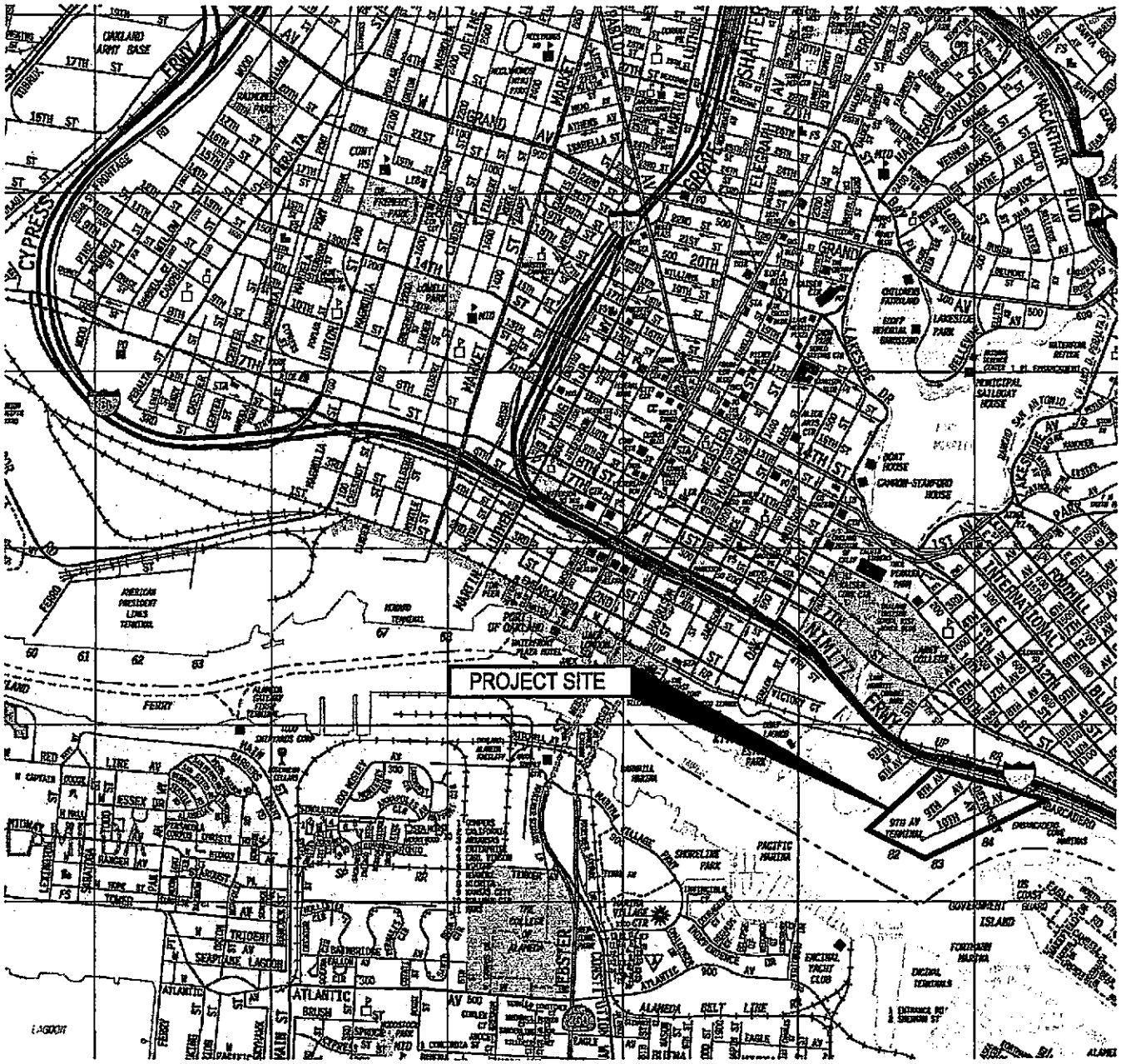
µg/L = micrograms per liter or parts per billion
<60 = Compound not detected at or above stated reporting limit
Groundwater measurements presented are those collected on the first day of sampling for the event and may not be the same as the date sampled.

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

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 PHOS-PHORUS (µg/L)
MW-5	SCI	F/H	5/6/1997	6.45	<10	--	--
MW-6	SCI	F/H	5/6/1997	7.04	<10	--	--
SCIMW-21	SCI	D	5/6/1997	7.44	--	<50	**1,100**
SCIMW-22	SCI	P	5/6/1997	8.22	<10	<50	**4,000**
SCIMW-23	SCI	B	5/6/1997	5.55	<10	<50	**9,300**
SCIMW-24	SCI	N	5/6/1997	4.44	**20**	--	--
SCIMW-25	SCI	H	5/7/1997	7.30	<10	--	--
SCIMW-25	SCI	H	5/30/2001	**Well Abandoned**			
SCIMW-26	SCI	H	5/6/1997	8.15	<10	--	--
SCIMW-27	SCI	E/H	5/6/1997	6.45	<10	--	--
SCIMW-28	SCI	Q	5/7/1997	8.34	<10	--	--
SCIMW-29	SCI	H	5/20/1997	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.



NOTE:

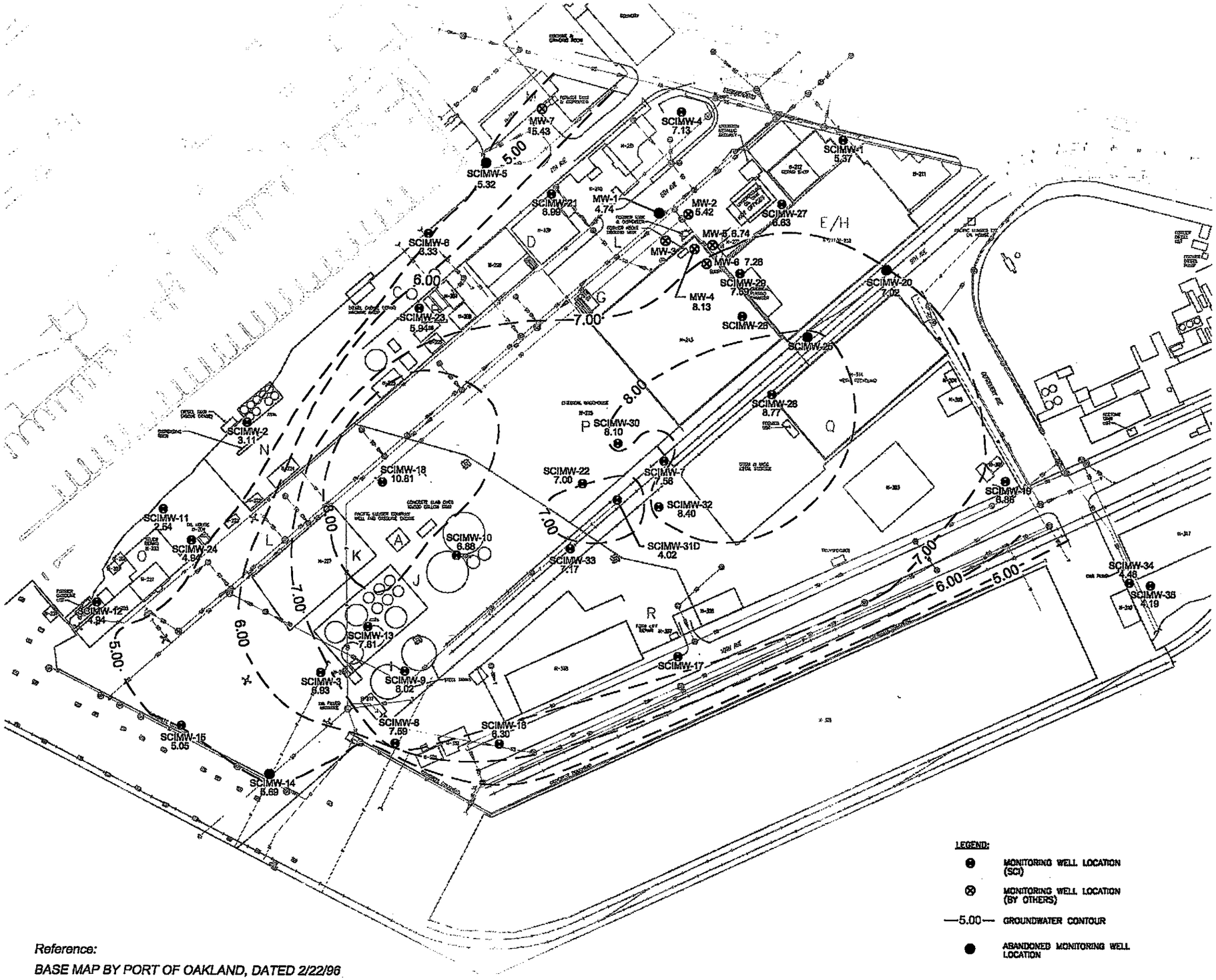
THIS VICINITY MAP IS BASED ON A THOMAS GUIDE MAP FOR SAN FRANCISCO, ALAMEDA AND CONTRA COSTA COUNTIES, CALIFORNIA, MAP 649, YEAR 2000.

VICINITY MAP

NINTH AVENUE TERMINAL STUDY AREA
OAKLAND, CALIFORNIA

Subsurface Consultants, Inc.
Geotechnical & Environmental Engineers

DRAWN BY:	DATE	PLATE
CFY	4/12/01	1
JOB NUMBER	FILE NUMBER:	
133.009	A133.009.07	



Reference:
BASE MAP BY PORT OF OAKLAND, DATED 2/22/96

LEGEND:

- MONITORING WELL LOCATION (SCI)
- MONITORING WELL LOCATION (BY OTHERS)
- —5.00— GROUNDWATER CONTOUR
- ABANDONED MONITORING WELL LOCATION

APPROXIMATE SCALE IN FEET
0 150 300

N

GROUNDWATER ELEVATIONS MAY 2001

NINTH AVENUE TERMINAL
PORT OF OAKLAND, CALIFORNIA

DRAWN BY:	DATE:
CFY	11/29/01
JOB NUMBER:	FILE NUMBER:
133.018	B133.018.04

Subsurface Consultants, Inc.
Geotechnical & Environmental Engineers

PLATE 2

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

July 27, 2000

Mr. Douglas Herman
Environmental Health & Safety Compliance Department
Port of Oakland
P.O. Box 2064
Oakland CA 94607-2064

Re: Proposed Monitoring Changes at Ninth Ave. Terminal, Oakland CA 94606

Dear Mr. Herman:

An error in my July 11, 2000 letter was recently brought to my attention regarding the required groundwater monitoring of well SCIMW-11. There was a contradiction in my bulleted items. This letter serves to correct this contradiction. This well should continue to be monitored according to the first bulleted item ie the well should be monitored semi-annually for the existing analytes. It's monitoring should not be discontined nor should the well be abandoned as inferred in the third bullet in the July 11, 2000 letter.

I regret any inconvenience or confusion this may have caused. Please contact me at (510) 567-6765 should you have any questions.

Sincerely,

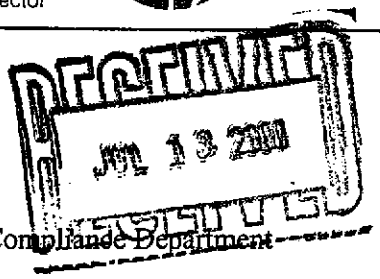
Barney M Chan

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files
Ms. J. Alexander, Subsurface Consultants, Inc., 3736 Mt. Diablo Blvd., Suite 200, Lafayette, CA 94549-3659

corr9thAveMon

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

July 11, 2000

Mr. Douglas Herman
Environmental Health & Safety Compliance Department
Port of Oakland
P.O. Box 2064
Oakland CA 94607-2064

Re: Proposed Monitoring Changes at Ninth Ave. Terminal, Oakland CA 94606

Dear Mr. Herman:

Our office has received and reviewed the June 15, 2000 Groundwater Monitoring Program Report for the above site. Included in this report is your consultant's recommendation for modifications to the existing sampling program. This letter serves to comment on these recommendations. Upon review of current and historical monitoring data and information, our office has the following comments/observations:

- The following wells are proposed to be abandoned: MW-1, SCIMW-5, SCIMW-11, SCIMW-14, SCIMW-17, SCIMW-20, SCIMW-25 and SCIMW-35. Our office agrees with the abandonment of these wells with the exception of SCIMW-11 and SCIMW-35. SCIMW-24, up-gradient of SCIMW-11, still has high TPHg, d, mo and BTEX concentrations in groundwater. SCIMW-11 should continued to be monitored for the existing parameters semi-annually. SCIMW-35 is down-gradient of a former UST where significant concentrations of TPHg, d, mo, BTEX, lead, and PNAs were exhibited in soil. Please run groundwater samples on this well annually for TPHg and BTEX, until the LOP case (StID #5067) is closed.
- The following wells are proposed to be monitored for water level only: MW-7, SCIMW-4, SCIMW-6, SCIMW-12, SCIMW-16, SCIMW-19, SCIMW-27 and SCIMW-32. Our office agrees with this proposal.
- The following wells are proposed to reduce their TVH testing frequency from quarterly to semi-annually: SCIMW-24 and SCIMW-34. SCIMW-34 is installed adjacent to a former UST where significant soil contamination was observed (same UST mentioned for SCIMW-35 above). To complete groundwater sampling at this LOP site, please analyze this well for semi-volatiles by EPA 8270 and the soluble metals; cadmium, chromium, nickel and zinc. After this, the well should be monitored like SCIMW-35. TVH testing is proposed to be discontinued in wells MW-6 and SCIMW-11. Note, since our office concurs with the abandonment of SCIMW-11, monitoring is irrelevant. Testing of MW-6 may be discontinued until the free product has been removed, at which time annual testing should continue similar to that of MW-4, which also has a free product problem.

- The following wells are proposed to reduce their TEH analysis from quarterly to semi-anually: SCIMW-23, SCIMW-24 and SCIMW-34. This is approved. Monitoring of SCIMW-2 for TEH is proposed to be changed from quarterly to annually. Because the TEH results only recently decreased in concentration, you are requested to monitor this well semi-annually. TEH is proposed to be discontinued entirely in wells MW-6, SCIMW-6, SCIMW-11, SCIMW-12, SCIMW-16, SCIMW-19, SCIMW-27 and SCIMW-32. Our office concurs with this with the exception that monitoring should continue annually in MW-6, when free product is removed.
- Our office also concurs with the recommended changes for monitoring of the following parameters: solvents, PNAs, pesticides, lead, heavy metals, and the biological parameters; pH, eH, DO, TDS, and DOC.
- To comply with our office's request to add MTBE analysis to the monitoring program, your consultant proposes to analyze the following wells for MTBE: MW-3, MW-4, MW-5, SCIMW-21, SCIMW-26, SCIMW-29 and SCIMW-34. Any detected MTBE will be confirmed using EPA Method 8260. This is acceptable.

In addition, our office has received a copy of a proposal for Soil Gas and Flux Chamber Testing at this site. I have discussed this proposal with you and Subsurface Consultants. Our office cannot at this time render an opinion on the need or merit of this proposal without additional technical background. However, as you are aware, you may proceed with this investigation without our office's comment. We would, however, like to receive a copy of this report when available.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M Chan

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files
Ms. J. Alexander, Subsurface Consultants, Inc., 3736 Mt. Diablo Blvd., Suite 200, Lafayette, CA 94549-3659

9thAveMonitoring

GROUNDWATER DEPTHS

Project Name: 9th Avenue Terminal - Port of Oakland
Job No.: ~~133.009~~ 133-018
Measured by: E. Silverman and O. Nziewi

Well	Date	Time	Groundwater Depth (feet)	Comments	Well Maintanance: New Well Cap	Well Maintanance: New Lock	Well Maintanance: Other Well Maintanance Needed?
"Oil Filled Manhole"	2-May-01	1145	7.7	[illegible] No pdt Trailer [illegible]			
Stormdrain (located next to SCIMW-9)	2-May-01	1150	6.70	~~No pdt~~ ≈ .5" of pdt (Tape & paste -			
MW-1	1-May-01	1155	5.25	[illegible]			
MW-2	1-May-01	1145	4.9	[illegible]			
MW-3	1-May-01		~~7.85~~	covered by steel pipes couldn't access			
MW-4	2-May-01	0910	3.85	[illegible] KOT			≈1.0 gal pdt bailed
MW-5	2-May-01	0925	5.1	beside building			needs bolts.
MW-6	1-May-01	0900	4.60	[illegible]			≈20 gal pdt bailed
MW-7	1-May-01	1235	4.7	[illegible] beside [illegible]			
SCIMW-1	1-May-01	1335	5.0	In plumbox [illegible]			
SCIMW-2	1-May-01	1250	6.81	[illegible]			
SCIMW-3	1-May-01	1550	4.94	[illegible]			
SCIMW-4	1-May-01	1120	2.9	One bar [illegible]			
SCIMW-5	1-May-01	1225	4.87	by back [illegible]			
SCIMW-6	1-May-01	1317	7.22	[illegible]			
SCIMW-7	1-May-01	~~1340~~ 1344	~~4.07~~ 7.22	[illegible]		✓	
SCIMW-8	1-May-01	1545	5.22	[illegible]			
SCIMW-9	1-May-01	1620	3.3	[illegible]			
SCIMW-10	1-May-01	1625	5.68	middle [illegible]			
SCIMW-11	1-May-01	17.15	6.95	[illegible]			
SCIMW-12	2-May-01	0930	6.00	[illegible]			
SCIMW-13	1-May-01	1610	4.75	[illegible]			
SCIMW-14	1-May-01	1525	7.95	[illegible]			
SCIMW-15	1-May-01	1510	8.4	[illegible]	✓	✓	
SCIMW-16	1-May-01	1525	4.1	[illegible]			
SCIMW-17	1-May-01	1500	3.4	[illegible]			
SCIMW-18	1-May-01	1705	5.89	[illegible]			
SCIMW-19	1-May-01	1425	3.6	[illegible]			

GROUNDWATER DEPTHS

Project Name: 9th Avenue Terminal - Port of Oakland
Job No.: 133.009
Measured by: E. Silverman and O. Nziewi

Well	Date	Time	Groundwater Depth (feet)	Comments	Well Maintanance		
					New Well Cap	New Lock	Other Well Maintanance Needed?
SCIMW-20	1-May-01	1400	2.09				
SCIMW-21	1-May-01	1210	2.38				
SCIMW-22	1-May-01	1700	5.0				
SCIMW-23	1-May-01	1305	3.8	In middle		✓	
SCIMW-24	1-May-01	0955	4.80				
SCIMW-25	1-May-01						
SCIMW-26	1-May-01			?Somewhere behind VOT			
SCIMW-27	1-May-01	1130	4.8				
SCIMW-28	1-May-01	1415	4.53				
SCIMW-29	1-May-01	1345	5.49				
SCIMW-30	1-May-01	1645	4.24				
SCIMW-31	1-May-01	1745	7.90				
SCIMW-32	1-May-01	1730	4.35				
SCIMW-33	1-May-01	1635	4.3			✓	
SCIMW-34	1-May-01	1445	6.47	In small fenced area close to			
SCIMW-35	1-May-01	1448	5.91	"			

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: ~~Emily Silverman~~ O N
DATE: 5 / 2 /01
WEATHER:

WELL NO.: MW-5
WELL CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 19.39 FEET
DEPTH TO GROUNDWATER (BTOC): 5.1 FEET
FEET OF WATER IN WELL: 14.29 FEET
FREE PRODUCT Yes or No: NO

CALCULATED PURGE VOLUME: 7.00 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)
PURGE METHOD: bailer
inches

MEASUREMENT METHOD: TAPE & PASTE ELECTRONIC SOUNDER OTHER
EQUIPMENT USED:

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	Specific Cond.	DO (mg/l)	COMMENTS (odor, color, ...)
0	0940	6.81	17.56	.1067	.8	-18	1240	3.52	over ppm range
2	0945	6.5	16.87	2571	1.9	-17.4	3037	4.35	
4	0950	6.37	16.87	7774	5.9	-17.3	9181	3.66	
7	958	6.54	17.71	18385	13.0H	-19.5	21374	4.06	

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 6.12
ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 5.1
SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE: 6 / HCL (40 ML) 2 / Amber (LITER)
/ (OTHER) / (OTHER)

ANALYSES: TVH / BTEX
TEHd, mo
VOC's, MTBE

MISC FIELD OBSERVATIONS:
GasTech 201 Reading (taken immediately after removing cap): over range

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: ~~Emily Silverman~~ ON
DATE: 5 / 2 /01
WEATHER:

WELL NO.: SCIMW-2
WELL CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 14.41 FEET
DEPTH TO GROUNDWATER (BTOC): 6.81 FEET
FEET OF WATER IN WELL: 7.60 FEET
FREE PRODUCT Yes or No NO

CALCULATED PURGE VOLUME: 3.7 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)
PURGE METHOD: bailer
inches

MEASUREMENT METHOD: TAPE & PASTE ELECTRONIC SOUNDER OTHER
EQUIPMENT USED:

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	Specific Cond.	DO (mg/l)	COMMENTS (odor, color, ...)
0	1100	6.20	16.31	13854	10.91	-18.3	16766	1.88	600 ppm
1	1105	6.63	15.92	13069	10.87	-18.1	16582	5.26	
2	1110	6.68	15.77	14978	11.9	-17.9	18207	3.11	
4	1117	6.98	15.73	16873	13.H	-18.H	20611.H	3.9	

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 8.17

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 6.45

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE
/ — 40 ML
2 / Amber — LITER
2 / 250mL HNO_3 — OTHER
/ — OTHER

ANALYSES: TEHd, mo (8015) w/silica gel.
Heavy metals (6010/7000)

MISC FIELD OBSERVATIONS:
GasTech 201 Reading (taken immediately after removing cap): 600 ppm

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: ~~Emily Silverman~~ E O N
DATE: 5 / 2 /01
WEATHER:

WELL NO.: SCMW-7
WELL CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 17.97 FEET

CALCULATED PURGE VOLUME: 6.5 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

DEPTH TO GROUNDWATER (BTOC): 4.7 FEET

FEET OF WATER IN WELL: 13.27 FEET

PURGE METHOD: bailer

FREE PRODUCT Yes or No NO

inches

MEASUREMENT METHOD: TAPE & PASTE ELECTRONIC SOUNDER OTHER
EQUIPMENT USED:

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	Specific Cond.	DO (mg/l)	COMMENTS (odor, color, ...)
0	1610	6.43	17.80	10352	7.8	-18.6	12010	4.3	2,940 ppm
2	1615	6.28	17.3	12616	9.69	-12.3	14859	4.05	
4	1620	6.31	17.26	19025	14.52	-12.9	22250	3.56	
6.5	1630	6.46	17.4	22611	17.23	-18.3	26303	5.29	

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 5.64

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 5.4

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE: 3 / HCL (40 ML) 2 / amber (LITER)

/ (OTHER) / (OTHER)

ANALYSES:

MISC FIELD OBSERVATIONS:

GasTech 201 Reading (taken immediately after removing cap): 2940ppm

1445

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: ~~Emily Silverman~~ O N
DATE: 5 / 2 /01
WEATHER:

WELL NO.: SC1MW-11
WELL CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 15.74 FEET
DEPTH TO GROUNDWATER (BTOC): 6.95 FEET
FEET OF WATER IN WELL: 8.79 FEET
FREE PRODUCT Yes or No None inches

CALCULATED PURGE VOLUME: 4.3 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)
PURGE METHOD: bailer

MEASUREMENT METHOD: TAPE & PASTE (ELECTRONIC SOUNDER) OTHER
EQUIPMENT USED:

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	Specific Cond.	DO (mg/l)	COMMENTS (odor, color, ...)
0	1030	6.61	18.24	11297	8.46	-16.1	13043	6.73	5HHppm
1	1035	6.27	17.11	11810	9.11	-15.8	14001	6.02	
3	1040	6.20	16.45	11725	8.94	-16.4	13782	5.74	
4	1045	6.83	15.94	12062	9.26	-15.3	14242	5.69	

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 8.34
ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 7.55

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE: 3 / HCL (40 ML) 2 / Amber (LITER)
/ (OTHER) / (OTHER)

ANALYSES: TVH, BTEX (8015m/8020), TEH d, no 8015m w/silica gel

MISC FIELD OBSERVATIONS:
GasTech 201 Reading (taken immediately after removing cap): 5HHO ppm

1615

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: ~~Emily Silverman~~ ON
DATE: 5 / 2 /01
WEATHER:

WELL NO.: SCMW2-15
WELL CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 15.53 FEET
DEPTH TO GROUNDWATER (BTOC): 8.40 FEET
FEET OF WATER IN WELL: 7.13 FEET
FREE PRODUCT Yes or No NO

CALCULATED PURGE VOLUME: 3.5 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)
PURGE METHOD: bailer
inches

MEASUREMENT METHOD: TAPE & PASTE (ELECTRONIC SOUNDER) OTHER
EQUIPMENT USED:

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	Specific Cond.	DO (mg/l)	COMMENTS (odor, color, ...)
0	1003	6.66	16.00	4716	3.71	-18.3	5700	1.44	~~bppm~~ over ppm range
1	1010	6.62	16.08	4637	3.52	-18.3	5416	6.82	
2	1015	6.64	15.85	4267	3.36	-18.3	5172	6.16	
3.5	1017	6.94	15.77	4199	3.31	-18.1	5091	7.22	

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 10.08
ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 8.44
SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE
/ 40 ML
2 / Amber LITER
/ OTHER
/ OTHER

ANALYSES: TEHd, MO

MISC FIELD OBSERVATIONS:
GasTech 201 Reading (taken immediately after removing cap): over range

1550

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: ~~Emily Silverman~~ O N
DATE: 5 / 7 /01
WEATHER:

WELL NO.: SCIMW-23
WELL CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 17.11 FEET
DEPTH TO GROUNDWATER (BTOC): 3.8 FEET
FEET OF WATER IN WELL: 13.31 FEET
FREE PRODUCT Yes or No NO

CALCULATED PURGE VOLUME: 6.5 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)
PURGE METHOD: bailer
inches

MEASUREMENT METHOD: TAPE & PASTE ELECTRONIC SOUNDER OTHER
EQUIPMENT USED:

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	Specific Cond.	DO (mg/l)	COMMENTS (odor, color, ...)
0	1020	6.35	13.72	11648	8.6	-23.4	13386	1.84	900 ppm
2	1030	6.47	12.64	12150	9.36	-20	14232	3.77	
4	1035	6.52	12.60	14541	11.03	-20.8	16932	4.51	sheen
6.5	1046	6.62	13.06	23000	17.25	-20.2	16557	4.35	

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 4.56
ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC):
SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE
/ 40 ML
2 / Amber LITER
/ OTHER
/ OTHER

ANALYSES: TEHd,md(8015m) with silica gel

MISC FIELD OBSERVATIONS:
GasTech 201 Reading (taken immediately after removing cap): 900ppm

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: ~~Emily Silverman~~ O N
DATE: 5 / 2 /01
WEATHER:

WELL NO.: SC(MW)-24
WELL CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 16.77 FEET
DEPTH TO GROUNDWATER (BTOC): 4.80 FEET
FEET OF WATER IN WELL: 11.97 FEET

CALCULATED PURGE VOLUME: 5.8 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

PURGE METHOD: bailer

FREE PRODUCT Yes or No: NO
inches

MEASUREMENT METHOD: TAPE & PASTE ELECTRONIC SOUNDER OTHER
EQUIPMENT USED:

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	Specific Cond.	DO (mg/l)	COMMENTS (odor, color, ...)
0	0955	5.84	20.09	2192	1.52	-30.0	2341	9.12	Over ppm
2	1000	6.19	19.65	2190	1.66	-25.1	2567	6.87	Sheen/hydrocarbon odor
4	1007	6.12	19.63	2219	1.6	-23.4	2497	5.71	"
6	1014	6.18	19.42	2235	1.67	-19.5	2576	6.8	

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 5.76

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 5.70

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE: 3 / HCL (40 ML) 2 / Amber (LITER)
/ (OTHER) / (OTHER)

ANALYSES: TVH BTEX
TEHd, mo

MISC FIELD OBSERVATIONS:
GasTech 201 Reading (taken immediately after removing cap): over range

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: KOT
JOB NO. 133.018
SAMPLED BY: D W ~~(10/10)~~ (5/10/01)
DATE: ~~101~~ 5/9/01
WEATHER: Bright Sunny hot

WELL NO.: SC1 MW-28
WELL CASING DIAMETER: 2"
WELL MATERIAL: PVC
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC) 19.89 FEET
DEPTH TO GROUNDWATER (BTOC) 4.55 FEET
FEET OF WATER IN WELL 15.34 FEET

CALCULATED PURGE VOLUME 7.5 gallo
(feet of water * casing dia^2 * .0408 * # of Volumes)
FREE PRODUCT N/A
PURGE METHOD bailer

MEASUREMENT METHOD TAPE & PASTE (ELECTRONIC SOUNDER) OTHER

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	pH	TEMP	CONDUCTIVITY (μMHOS/CM)	TURBIDITY	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
0	0925	6.34	16.8	100.8				

DEPTH TO GROUNDWATER WHEN 80% RECOVERED 5.46
ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC) 4.66
SAMPLING METHOD bailer
CONTAINERS / PRESERVATIVE
/ 40 ML
/ LITER
2X500ml / Poly unpreserved OTHER
/ OTHER

ANALYSES:
17 Title 22 metals.

MISC FIELD OBSERVATION:

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: ~~Emily Silverman~~ DN
DATE: 5/2/01
WEATHER:

WELL NO.: SCMW-28
WELL CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 19.77 FEET

DEPTH TO GROUNDWATER (BTOC): 4.53 FEET

FEET OF WATER IN WELL: 15.24 FEET

CALCULATED PURGE VOLUME: 7.5 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

PURGE METHOD: bailer

FREE PRODUCT Yes or No inches

MEASUREMENT METHOD: TAPE & PASTE ELECTRONIC SOUNDER OTHER
EQUIPMENT USED:

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	Specific Cond.	DO (mg/l)	COMMENTS (odor, color, ...)
0	1250	5.98	15.98	501	.44	-20.6613		2.11	
2	1255	6.54	15.43	740	.59	-20.3	909	2.23	
4	1300	6.48	15.24	1210	1.04	-20.3	1493	3.13	
7.5	1308	6.57	16.17	9439	7.38	-21.2	11363	3.02	

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 5.44

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 5.00

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE

40 ML	LITER
2 /250ml HNO_3	/
OTHER	OTHER

ANALYSES: Heavy metals

MISC FIELD OBSERVATIONS:
GasTech 201 Reading (taken immediately after removing cap): over range.

0900

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: ~~Emily Silverman~~ ON
DATE: 5 / 2 /01
WEATHER:

WELL NO.: SCIMW-30
WELL CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 18.55 FEET

DEPTH TO GROUNDWATER (BTOC): 4.24 FEET

FEET OF WATER IN WELL: 14.31 FEET

CALCULATED PURGE VOLUME: 7.0 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

FREE PRODUCT Yes or No: NO

PURGE METHOD: bailer
inches

MEASUREMENT METHOD: TAPE & PASTE (ELECTRONIC SOUNDER) OTHER
EQUIPMENT USED:

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	Specific Cond.	DO (mg/l)	COMMENTS (odor, color, ...)
0	1225	6.23	19.64	10738	7.26	-24.5	11618	2.72	slight sheen
2	1228	6.49	18.83	11284	8.72	-24.3	13422	6.29	Hydrocarbon odor.
5	1236	6.53	18.62	14340	13.15	-32.3	19863	5.64	
7	1300	6.63	19.25	16800	12.65	-45.2	19856	2.93	

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 5.09

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 3.55

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE: 3 / HCL
40 ML

/
LITER

/
OTHER

/
OTHER

ANALYSES: VOC's (8260)

MISC FIELD OBSERVATIONS:
GasTech 201 Reading (taken immediately after removing cap): over range

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: ~~Emily Silverman~~ ON
DATE: 5/2/01
WEATHER:

WELL NO.: SCMW-31D
WELL CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 49.40 FEET

DEPTH TO GROUNDWATER (BTOC): 7.90 FEET

FEET OF WATER IN WELL: 41.5 FEET

FREE PRODUCT Yes or No: NO

CALCULATED PURGE VOLUME: 20.3 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

PURGE METHOD: bailer
inches

MEASUREMENT METHOD: TAPE & PASTE (ELECTRONIC SOUNDER) OTHER
EQUIPMENT USED:

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	Specific Cond.	DO (mg/l)	COMMENTS (odor, color, ...)
0	1530	6.0	19.9	23521	17.02	-17.6	26204	1.98	??
5	1520	6.18	20.8	24150	17.42	-17.1	26449	6.5	
10	1550	6.30	19.75	25165	18.01	-18.4	27653	6.24	
20	1600	6.51	20.00	25100	17.9	-17.4	27528	2.38	

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 9.4

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 8.00

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE: 3 / HCl (40 ML) ____ / ____ (LITER)

____ / ____ (OTHER) ____ / ____ (OTHER)

ANALYSES: VOC's

MISC FIELD OBSERVATIONS:
GasTech 201 Reading (taken immediately after removing cap): 440 ppm

1425

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: ~~Emily Silverman~~ ON
DATE: 5 / 2 /01
WEATHER:

WELL NO.: SCMW-33
WELL CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 15-80 FEET

CALCULATED PURGE VOLUME: 5.6 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

DEPTH TO GROUNDWATER (BTOC): 4.3 FEET

FEET OF WATER IN WELL: 10.5 FEET

FREE PRODUCT Yes or No: No

PURGE METHOD: bailer

inches

MEASUREMENT METHOD: TAPE & PASTE (ELECTRONIC SOUNDER) OTHER
EQUIPMENT USED:

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	Specific Cond.	DO (mg/l)	COMMENTS (odor, color, ...)
0	1445	6.44	20.32	7233	5.16	~21	7935	3.33	over ppm range
2	1450	6.84	19.5	7124	4.01	-20.5	7802	5.49	
4	1456	6.64	19.42	9882	5.0	-19.5	8658	5.25	
6	1459	6.5	19.19	9280	6.8	-19.4	10484	5.28	

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 5.16

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 4.10

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE: 3 / HCL
40 ML

/
LITER

/
OTHER

/
OTHER

ANALYSES: VOCs

MISC FIELD OBSERVATIONS:
GasTech 201 Reading (taken immediately after removing cap): Over range

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: ~~Emily Silverman~~ ON
DATE: 5 /2 /01
WEATHER:

WELL NO.: SCIMW-3H
WELL CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 14.67 FEET
DEPTH TO GROUNDWATER (BTOC): 6.47 FEET
FEET OF WATER IN WELL: 8.2 FEET

CALCULATED PURGE VOLUME: 4.0 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

PURGE METHOD: bailer

FREE PRODUCT Yes or No ____ inches

MEASUREMENT METHOD: TAPE & PASTE ELECTRONIC SOUNDER OTHER
EQUIPMENT USED:

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	Specific Cond.	DO (mg/l)	COMMENTS (odor, color, ...)
0	1330	6.05	16.02	10000	7.98	-19.4	12078	2.31	
1	1334	6.88	15.31	10959	8.78	-18.7	13433	2.6	
2	1337	6.90	15.2	11680	8.36	-18.4	14371	3.0	
4	1340	6.87	15.22	15976	12.77	-18.1	14681	2.72	

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 7.76

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 7.7

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE: 6 / HCL (40 ML) 4 / Amber (LITER)
2 / 250ml HNO_3 (OTHER) / (OTHER)

ANALYSES: TUH, BTEX
TEAd, mD
VOC's, MTBE
PNA's
Heavy metals Cd, Cr, Ni, Zn

MISC FIELD OBSERVATIONS:
GasTech 201 Reading (taken immediately after removing cap): 1060 ppm

0825

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

Subsurface Consultants
3736 Mt. Diablo Blvd.
Suite 200
Lafeyette, CA 94549

Date: 14-MAY-01
Lab Job Number: 151821
Project ID: 133.018
Location: 4th Ave Terminal

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

CHAIN OF CUSTODY FORM

PROJECT NAME: 9th Avenue Terminal / K-O T

JOB NUMBER: 133.018 LAB: C&T

PROJECT CONTACT: Emily Silverman TURNAROUND: Standard

SAMPLED BY: Oki Dzeng REQUESTED BY: Emily Silverman

PAGE 1 OF 1

LABORATORY I.D. NUMBER	SCI SAMPLE NUMBER	MATRIX: WATER	SOIL	WASTE	AIR	CONTAINERS: VOA	LITER	PINT	TUBE	250 poly	METHOD PRESERVED: HCL	H_2SO_4	HNO_3	ICE	NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	ANALYSIS REQUESTED: TVH, BTEX (8015m/8020)	TEHd, mo (8015m w/silica gel)	VOC's, MTBE (8260/8240)	Heavy Metals Filtered (6010)	VOC's (8260/8240)	Cd, Cr, Ni, Zn Filtered 6010	PNA's 8270
15821-1	MW-5	X				X	X				X			X	X	05	04	01	1110		X	X	X				
-2	SCIMW-2H					X	X							X	X	05	04	01	0930		X	X					
-3 D.D.	SCIMW-2B									X			X	X	X	05	04	01	0900					X			
-4	SCIMW-30					X					X			X		05	04	01	1030					X	X		
-5	SCIMW-33					X					X			X		05	04	01	0955					X			
-6	SCIMW-3H					X	X			X	X		X	X	X	05	04	01	0825		X	X	X		X	X	

CHAIN OF CUSTODY RECORD

RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
Oki Dzeng	5/4/01 1330	[signature]	5/4/01 1330
RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME

Preservation Correct? ☐ Yes ☐ No ☐ N/A

Received ☒ Cold ☐ Ambient ☒ On Ice ☒ Intact

COMMENTS & NOTES:
① TEHd $ mo with silica gel clean up

Subsurface Consultants, Inc.
171 - 12th Street, Suite 202, Oakland, CA 94607
(510) 268-0461 - FAX: (510) 268-0137
3738 Mt. Diablo Blvd., Ste. 200, Lafayette, CA 94549
(925) 299-7960 - (925) 299-7970

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8015M
Matrix:	Water	Sampled:	05/04/01
Units:	ug/L	Received:	05/04/01
Batch#:	63452		

Field ID: MW-5 Diln Fac: 1.000
Type: SAMPLE Analyzed: 05/05/01
Lab ID: 151821-001

Analyte	Result	RL
Gasoline C7-C12	91 H Y	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	59-135
Bromofluorobenzene (FID)	105	60-140

Field ID: SCIMW-24 Diln Fac: 10.00
Type: SAMPLE Analyzed: 05/06/01
Lab ID: 151821-002

Analyte	Result	RL
Gasoline C7-C12	7,100	500

Surrogate	%REC	Limits
Trifluorotoluene (FID)	116	59-135
Bromofluorobenzene (FID)	111	60-140

Field ID: SCIMW-34 Diln Fac: 1.000
Type: SAMPLE Analyzed: 05/05/01
Lab ID: 151821-006

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	59-135
Bromofluorobenzene (FID)	103	60-140

Type: BLANK Diln Fac: 1.000
Lab ID: QC144763 Analyzed: 05/05/01

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	104	59-135
Bromofluorobenzene (FID)	105	60-140

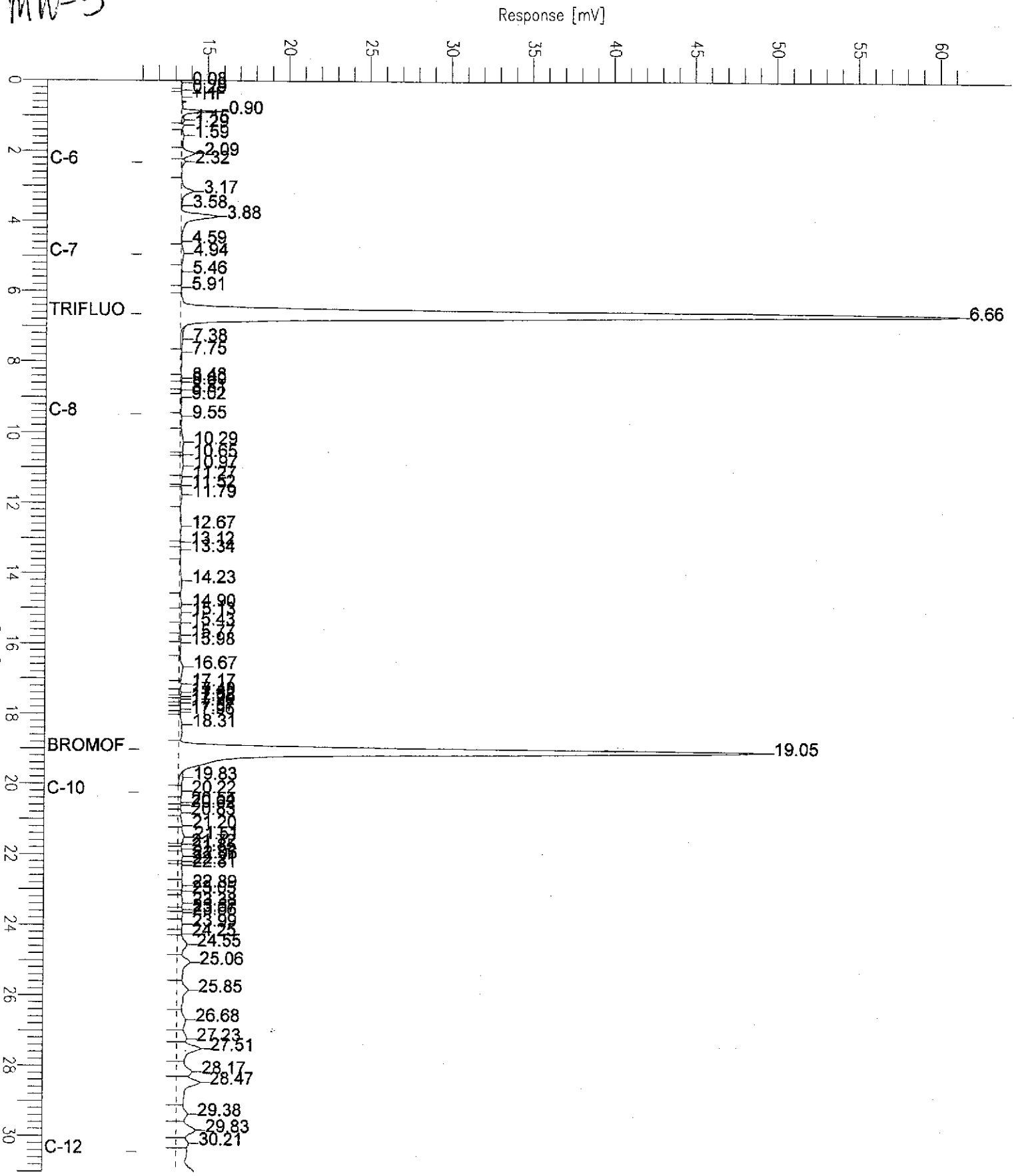
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits fuel pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Chromatogram

ample Name : 151821-001,63452
ileName : G:\GC05\DATA\125G016.raw
ethod : TVHBTXE
tart Time : 0.00 min End Time : 31.00 min
cale Factor: 1.0 Plot Offset: 11 mV

Sample #: A1 Page 1 of 1
Date : 5/10/01 12:35 PM
Time of Injection: 5/5/01 11:45 PM
Low Point : 10.96 mV High Point : 61.21 mV
Plot Scale: 50.3 mV

MW-5

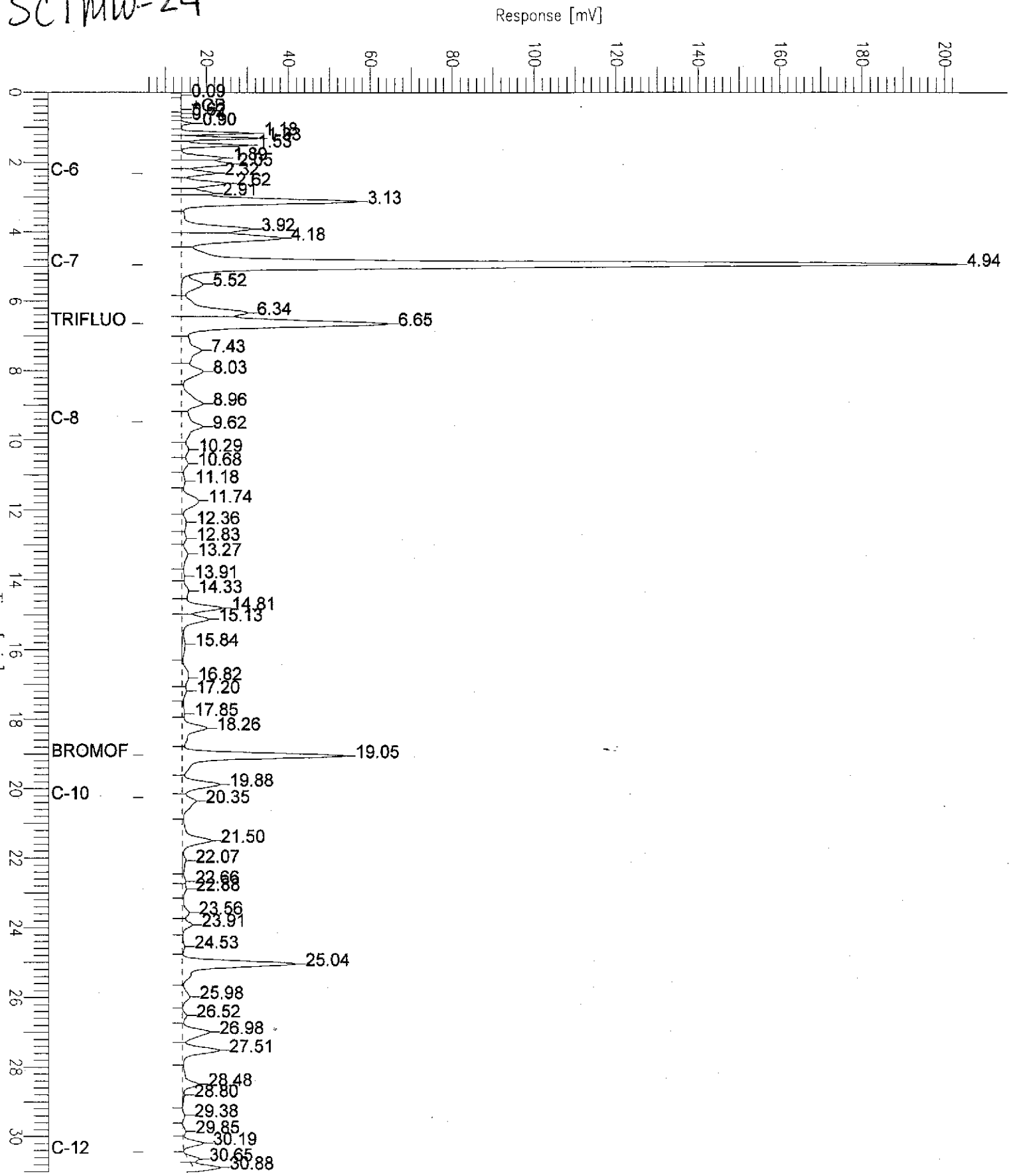


Chromatogram

Sample Name : 151821-002,63452
FileName : G:\GC05\DATA\125G030.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 31.00 min
Scale Factor: 1.0 Plot Offset: 4 mV

Sample #: A1 Page 1 of 1
Date : 5/6/01 10:22 AM
Time of Injection: 5/6/01 09:51 AM
Low Point : 4.38 mV High Point : 203.03 mV
Plot Scale: 198.6 mV

SC1MW-24

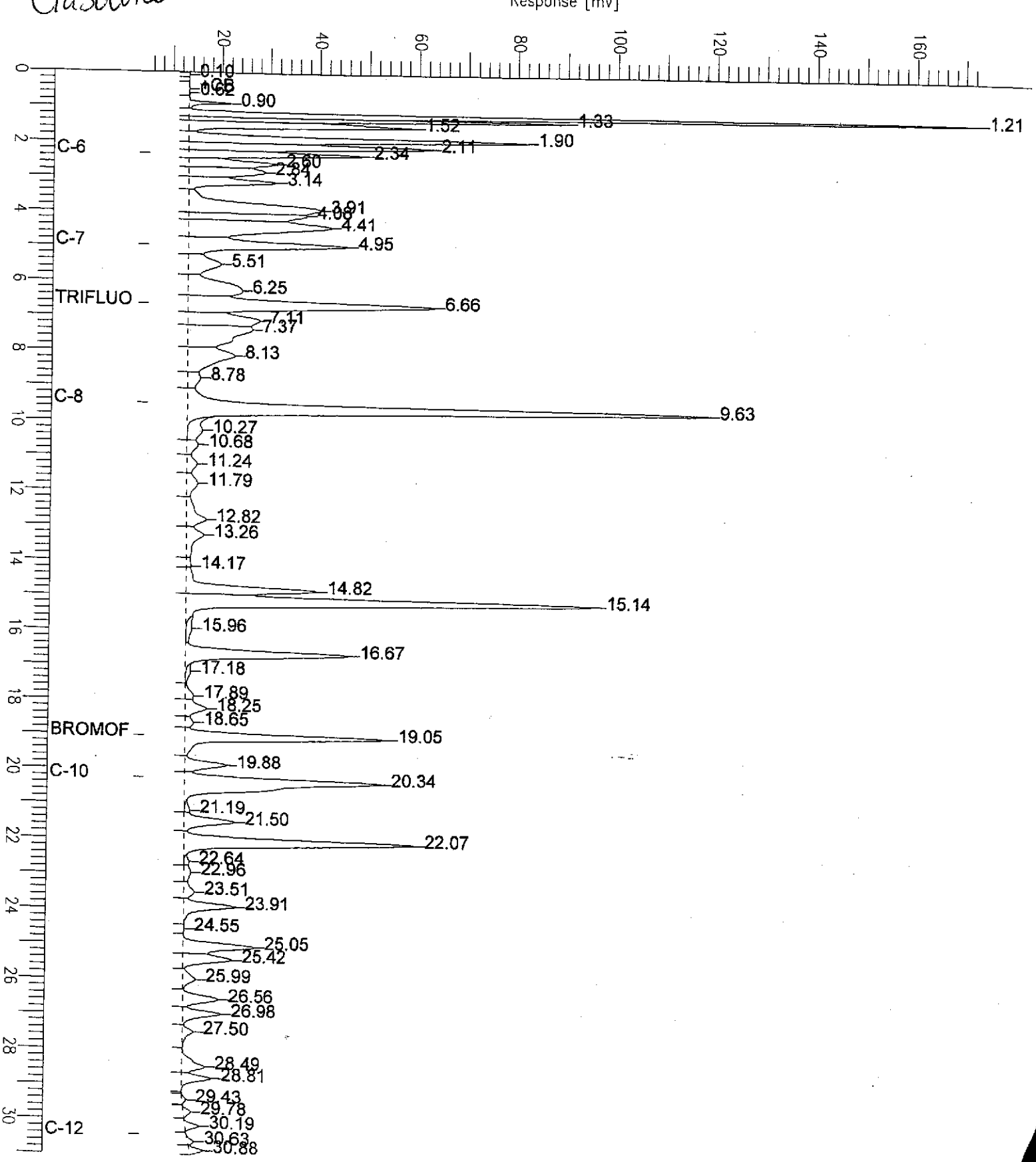


Chromatogram

umple Name : CCV/LCS,QC144764,63452,01WS1024,5/5000
.leName : G:\GC05\DATA\125G002.raw
ethod : TVHBTXE
art Time : 0.00 min End Time : 31.00 min
ale Factor: 1.0 Plot Offset: 5 mV

Sample #: Page 1 of 1
Date : 5/5/01 01:18 PM
Time of Injection: 5/5/01 12:47 PM
Low Point : 5.13 mV High Point : 172.68 mV
Plot Scale: 167.5 mV

Gasoline



Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8021B
Field ID:	SCIMW-24	Batch#:	63509
Matrix:	Water	Sampled:	05/04/01
Units:	ug/L	Received:	05/04/01

Type:	SAMPLE	Diln Fac:	20.00
Lab ID:	151821-002	Analyzed:	05/09/01

Analyte	Result	RL
Benzene	2,700	10
Toluene	64	10
Ethylbenzene	160	10
m,p-Xylenes	100	10
o-Xylene	ND	10

Surrogate	%REC	Limits
Trifluorotoluene (PID)	78	56-142
Bromofluorobenzene (PID)	77	55-149

Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC144959	Analyzed:	05/08/01

Analyte	Result	RL
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	74	56-142
Bromofluorobenzene (PID)	76	55-149

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8015M
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC144764	Batch#:	63452
Matrix:	Water	Analyzed:	05/05/01
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,028	101	73-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	119	59-135
Bromofluorobenzene (FID)	112	60-140

Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8021B
Matrix:	Water	Batch#:	63509
Units:	ug/L	Analyzed:	05/08/01
Diln Fac:	1.000		

Type: BS Lab ID: QC144961

Analyte	Spiked	Result	%REC	Limits
Benzene	20.00	21.18	106	67-117
Toluene	20.00	20.54	103	69-117
Ethylbenzene	20.00	22.25	111	68-124
m,p-Xylenes	40.00	45.17	113	70-125
o-Xylene	20.00	22.91	115	65-129

Surrogate	%REC	Limits
Trifluorotoluene (PID)	77	56-142
Bromofluorobenzene (PID)	81	55-149

Type: BSD Lab ID: QC144962

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	20.00	20.95	105	67-117	1	20
Toluene	20.00	20.77	104	69-117	1	20
Ethylbenzene	20.00	21.77	109	68-124	2	20
m,p-Xylenes	40.00	45.78	114	70-125	1	20
o-Xylene	20.00	22.39	112	65-129	2	20

Surrogate	%REC	Limits
Trifluorotoluene (PID)	75	56-142
Bromofluorobenzene (PID)	79	55-149

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8015M
Field ID:	ZZZZZZZZZZ	Batch#:	63452
MSS Lab ID:	151817-009	Sampled:	05/04/01
Matrix:	Water	Received:	05/04/01
Units:	ug/L	Analyzed:	05/05/01
Diln Fac:	1.000		

Type: MS Lab ID: QC144765

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<24.00	2,000	2,000	100	65-131

Surrogate	%REC	Limits
Trifluorotoluene (FID)	116	59-135
Bromofluorobenzene (FID)	112	60-140

Type: MSD Lab ID: QC144766

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,887	94	65-131	6	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	59-135
Bromofluorobenzene (FID)	111	60-140

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520
Project#:	133.018	Analysis:	EPA 8015M
Matrix:	Water	Sampled:	05/04/01
Units:	ug/L	Received:	05/04/01
Diln Fac:	1.000	Prepared:	05/07/01
Batch#:	63485		

Field ID: MW-5 Analyzed: 05/10/01
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 151821-001

Analyte	Result	RL
Diesel C10-C24	2,400	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	63	44-121

Field ID: SCIMW-24 Analyzed: 05/10/01
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 151821-002

Analyte	Result	RL
Diesel C10-C24	5,300 H L Y	50
Motor Oil C24-C36	3,600	300

Surrogate	%REC	Limits
Hexacosane	69	44-121

Field ID: SCIMW-34 Analyzed: 05/10/01
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 151821-006

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	61	44-121

Type: BLANK Analyzed: 05/09/01
Lab ID: QC144888 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	72	44-121

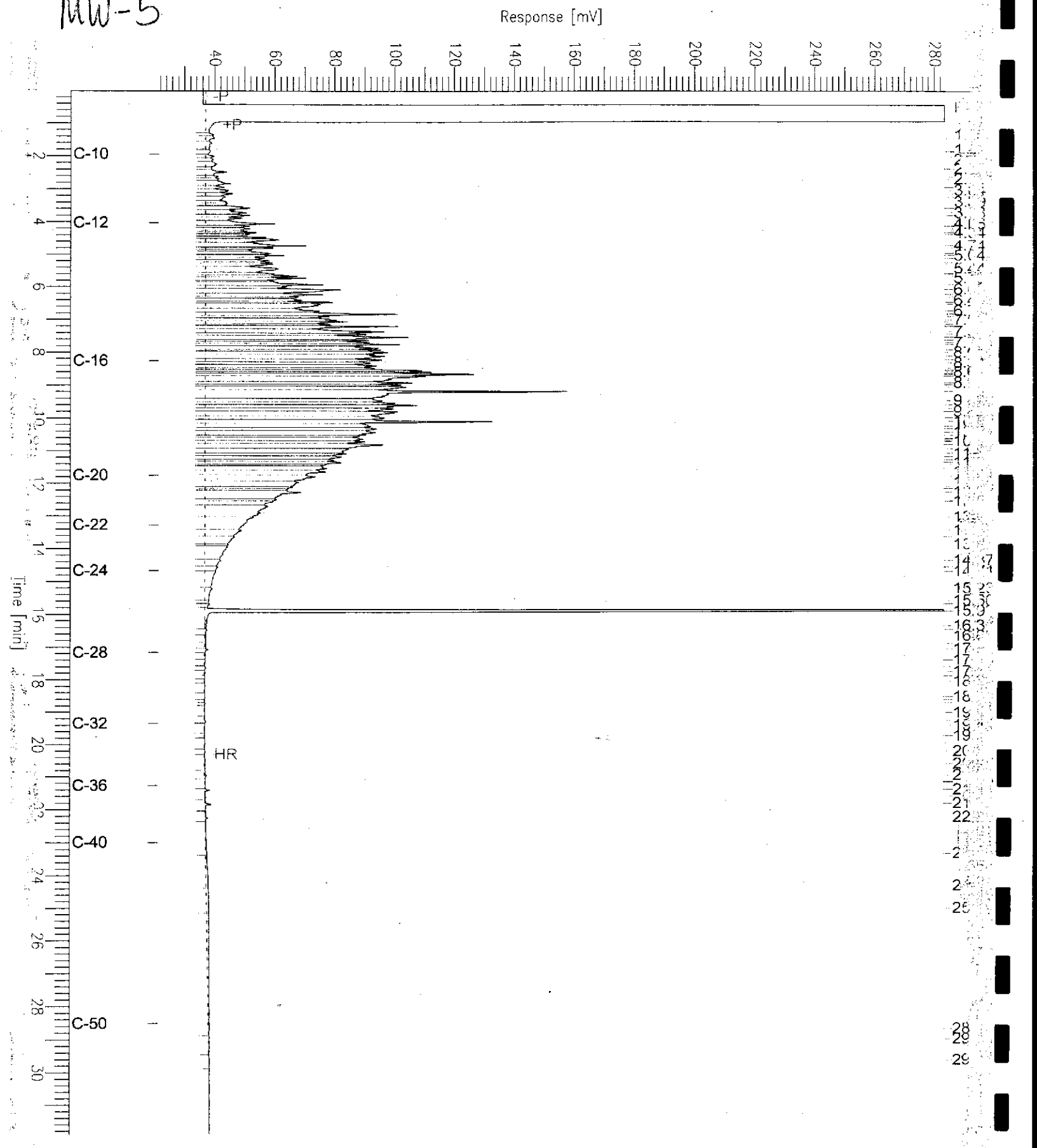
H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits fuel pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Chromatogram

Sample Name : 151821-001sg,63485
FileName : G:\GC13\CHB\129B023.RAW
Method : BTEH108.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 21 mV

Sample #: 63485 Page 1 of 1
Date : 05/10/2001 09:05 AM
Time of Injection: 05/10/2001 12:14 AM
Low Point : 21.45 mV High Point : 283.31 mV
Plot Scale: 261.9 mV

MW-5

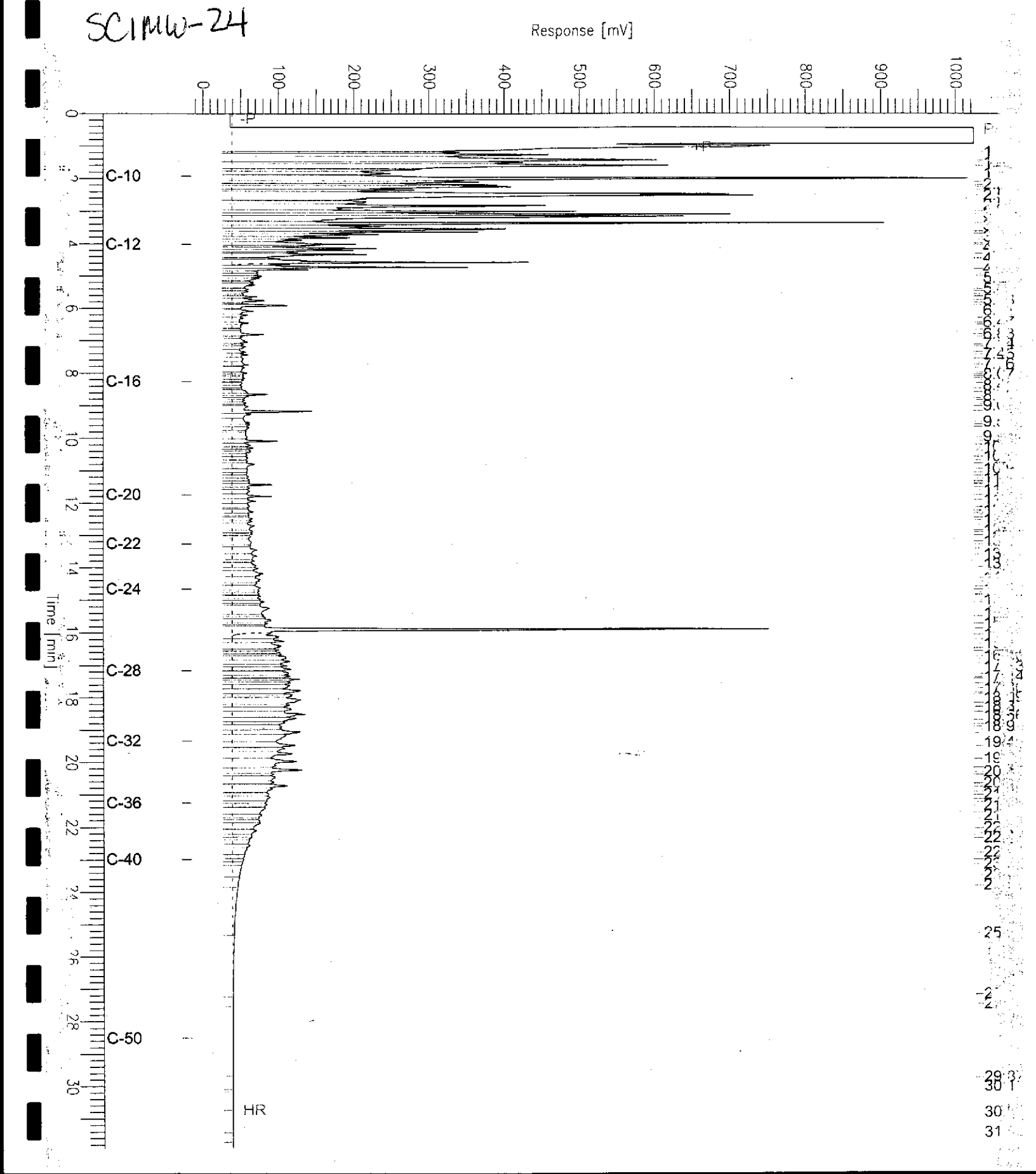


Chromatogram

Sample Name : 151821-002sg,63485
FileName : G:\GC13\CHB\129B024.RAW
Method : BTEH108.MTH
Start Time : 0.00 min End Time : 31.90 min
Scale Factor: 0.0 Plot Offset: -16 mV

Sample #: 63485 Page 1 of 1
Date : 05/10/2001 09:06 AM
Time of Injection: 05/10/2001 12:53 AM
Low Point : -15.63 mV High Point : 1024.00 mV
Plot Scale: 1039.6 mV

SCIMW-24

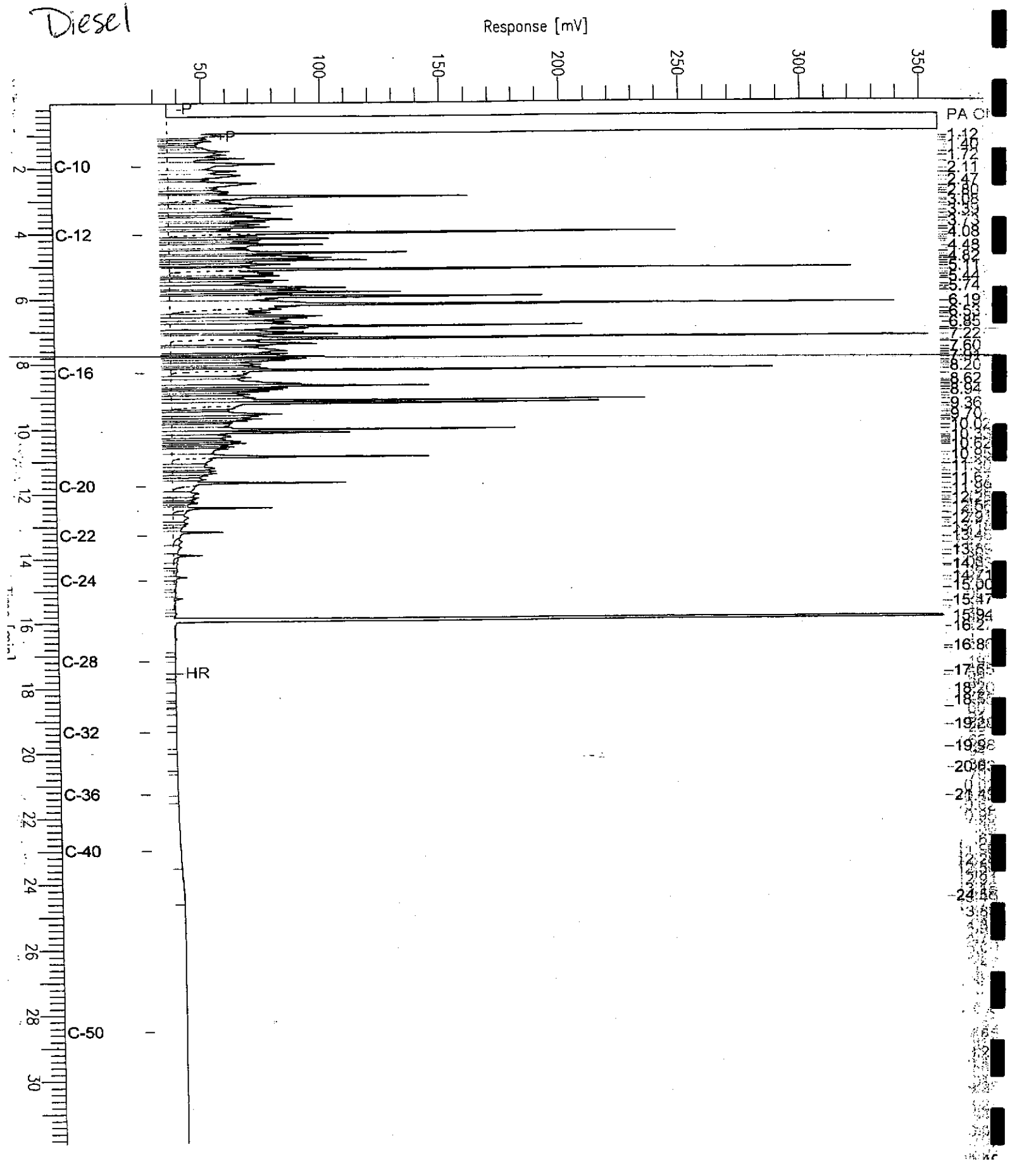


Chromatogram

ple Name : ccv,01ws0904,dsl
eName : G:\GC13\CHB\129B002.RAW
hod : BTEH108.MTH
rt Time : 0.01 min End Time : 31.91 min
le Factor: 0.0 Plot Offset: 25 mV

Sample #: 500mg/L Page 1 of 1
Date : 05/09/2001 10:54 AM
Time of Injection: 05/09/2001 10:18 AM
Low Point : 24.78 mV High Point : 357.80 mV
Plot Scale: 333.0 mV

Diesel

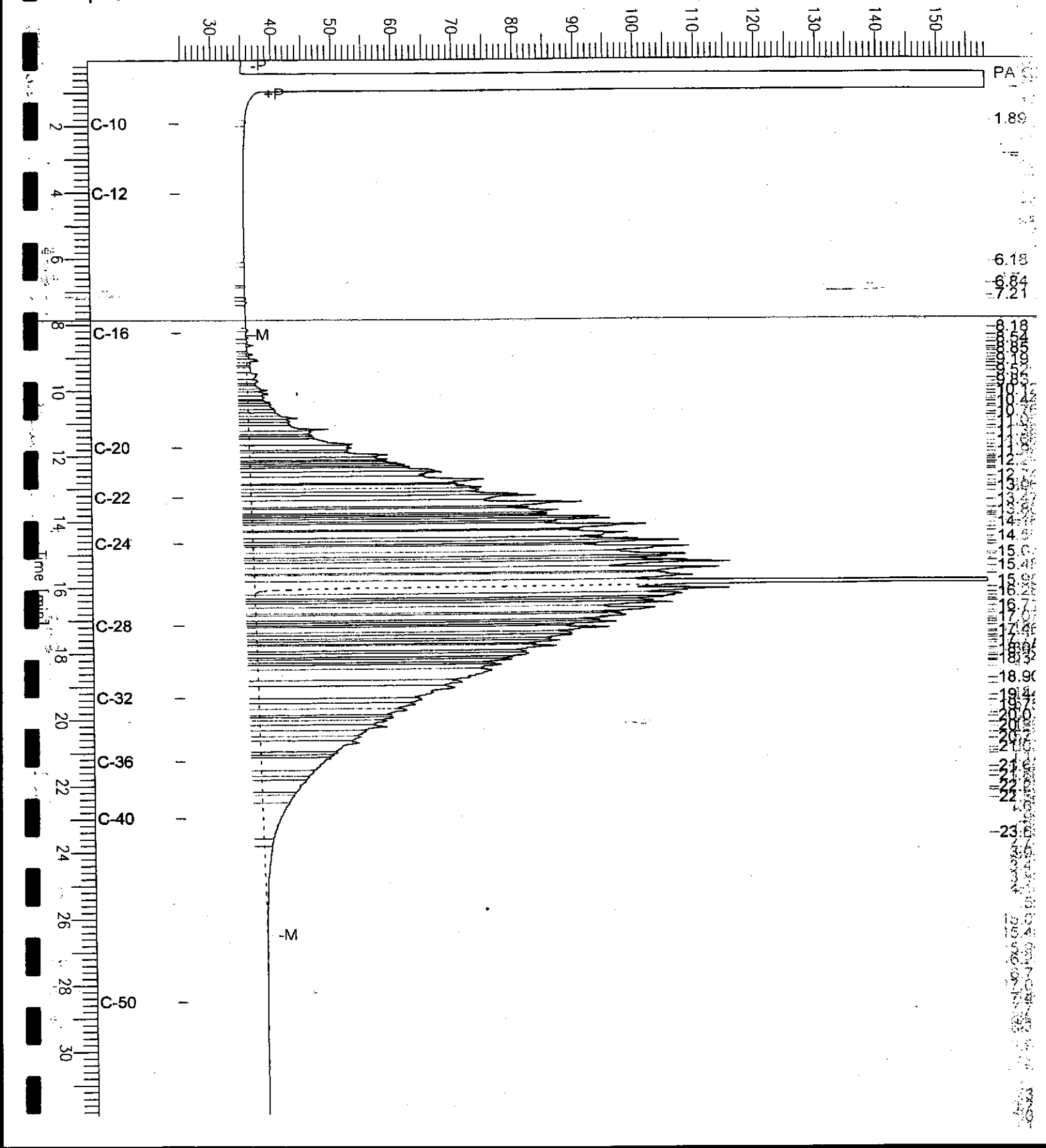


Chromatogram

Sample Name : ccv,01ws1020,mo
FileName : G:\GC13\CHB\129B003.RAW
Method : BTEH108.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 25 mV

Sample #: 500mg/L
Date : 05/09/2001 11:30 AM
Time of Injection: 05/09/2001 10:56 AM
Low Point : 24.77 mV High Point : 158.02 mV
Plot Scale: 133.2 mV

Motor Oil



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520
Project#:	133.018	Analysis:	EPA 8015M
Matrix:	Water	Batch#:	63485
Units:	ug/L	Prepared:	05/07/01
Diln Fac:	1.000	Analyzed:	05/09/01

Type: BS Cleanup Method: EPA 3630C
Lab ID: QC144889

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,339	1,404	60	45-110

Surrogate	%REC	Limits
Hexacosane	74	44-121

Type: BSD Cleanup Method: EPA 3630C
Lab ID: QC144890

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,339	1,502	64	45-110	7	22

Surrogate	%REC	Limits
Hexacosane	74	44-121

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Field ID:	MW-5	Batch#:	63458
Lab ID:	151821-001	Sampled:	05/04/01
Matrix:	Water	Received:	05/04/01
Units:	ug/L	Analyzed:	05/07/01
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Acetone	11	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	1.0	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Field ID:	MW-5	Batch#:	63458
Lab ID:	151821-001	Sampled:	05/04/01
Matrix:	Water	Received:	05/04/01
Units:	ug/L	Analyzed:	05/07/01
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-122
1,2-Dichloroethane-d4	121	78-123
Toluene-d8	99	80-110
Bromofluorobenzene	98	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Field ID:	SCIMW-30	Batch#:	63458
Lab ID:	151821-004	Sampled:	05/04/01
Matrix:	Water	Received:	05/04/01
Units:	ug/L	Analyzed:	05/07/01
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	1.0	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	3.0	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	1.2	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Field ID:	SCIMW-30	Batch#:	63458
Lab ID:	151821-004	Sampled:	05/04/01
Matrix:	Water	Received:	05/04/01
Units:	ug/L	Analyzed:	05/07/01
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-122
1,2-Dichloroethane-d4	118	78-123
Toluene-d8	99	80-110
Bromofluorobenzene	101	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Field ID:	SCIMW-33	Batch#:	63462
Lab ID:	151821-005	Sampled:	05/04/01
Matrix:	Water	Received:	05/04/01
Units:	ug/L	Analyzed:	05/07/01
Diln Fac:	2.000		

Analyte	Result	RL
Freon 12	ND	2.0
Chloromethane	ND	2.0
Vinyl Chloride	ND	1.0
Bromomethane	ND	2.0
Chloroethane	ND	2.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	20
Freon 113	ND	10
1,1-Dichloroethene	ND	1.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	1.0
MTBE	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
Vinyl Acetate	ND	20
1,1-Dichloroethane	ND	1.0
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	1.0
2,2-Dichloropropane	ND	1.0
Chloroform	ND	1.0
Bromochloromethane	ND	1.0
1,1,1-Trichloroethane	ND	1.0
1,1-Dichloropropene	ND	1.0
Carbon Tetrachloride	ND	1.0
1,2-Dichloroethane	ND	1.0
Benzene	1.9	1.0
Trichloroethene	ND	1.0
1,2-Dichloropropane	ND	1.0
Bromodichloromethane	ND	1.0
Dibromomethane	ND	1.0
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	1.0
Toluene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
1,1,2-Trichloroethane	ND	1.0
2-Hexanone	ND	20
1,3-Dichloropropane	ND	1.0
Tetrachloroethene	ND	1.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Field ID:	SCIMW-33	Batch#:	63462
Lab ID:	151821-005	Sampled:	05/04/01
Matrix:	Water	Received:	05/04/01
Units:	ug/L	Analyzed:	05/07/01
Diln Fac:	2.000		

Analyte	Result	RL
Dibromochloromethane	ND	1.0
1,2-Dibromoethane	ND	1.0
Chlorobenzene	210	1.0
1,1,1,2-Tetrachloroethane	ND	1.0
Ethylbenzene	ND	1.0
m,p-Xylenes	16	1.0
o-Xylene	ND	1.0
Styrene	ND	1.0
Bromoform	ND	2.0
Isopropylbenzene	2.4	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,2,3-Trichloropropane	ND	1.0
Propylbenzene	ND	1.0
Bromobenzene	ND	1.0
1,3,5-Trimethylbenzene	ND	1.0
2-Chlorotoluene	ND	1.0
4-Chlorotoluene	ND	1.0
tert-Butylbenzene	ND	1.0
1,2,4-Trimethylbenzene	1.6	1.0
sec-Butylbenzene	ND	1.0
para-Isopropyl Toluene	ND	1.0
1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	2.2	1.0
n-Butylbenzene	ND	1.0
1,2-Dichlorobenzene	3.1	1.0
1,2-Dibromo-3-Chloropropane	ND	1.0
1,2,4-Trichlorobenzene	ND	1.0
Hexachlorobutadiene	ND	1.0
Naphthalene	1.4	1.0
1,2,3-Trichlorobenzene	ND	1.0

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-122
1,2-Dichloroethane-d4	97	78-123
Toluene-d8	102	80-110
Bromofluorobenzene	103	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Field ID:	SCIMW-34	Batch#:	63458
Lab ID:	151821-006	Sampled:	05/04/01
Matrix:	Water	Received:	05/04/01
Units:	ug/L	Analyzed:	05/07/01
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Field ID:	SCIMW-34	Batch#:	63458
Lab ID:	151821-006	Sampled:	05/04/01
Matrix:	Water	Received:	05/04/01
Units:	ug/L	Analyzed:	05/07/01
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-122
1,2-Dichloroethane-d4	116	78-123
Toluene-d8	99	80-110
Bromofluorobenzene	101	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC144782	Batch#:	63458
Matrix:	Water	Analyzed:	05/06/01
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC144782	Batch#:	63458
Matrix:	Water	Analyzed:	05/06/01
Units:	ug/L		

Analyte	Result	RL
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-122
1,2-Dichloroethane-d4	116	78-123
Toluene-d8	100	80-110
Bromofluorobenzene	101	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC144795	Batch#:	63462
Matrix:	Water	Analyzed:	05/07/01
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC144795	Batch#:	63462
Matrix:	Water	Analyzed:	05/07/01
Units:	ug/L		

Analyte	Result	RL
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-122
1,2-Dichloroethane-d4	101	78-123
Toluene-d8	102	80-110
Bromofluorobenzene	99	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	63458
Units:	ug/L	Analyzed:	05/06/01
Diln Fac:	1.000		

Type: BS Lab ID: QC144780

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	51.54	103	74-132
Benzene	50.00	43.48	87	80-116
Trichloroethene	50.00	50.47	101	80-119
Toluene	50.00	46.33	93	80-120
Chlorobenzene	50.00	46.08	92	80-117

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-122
1,2-Dichloroethane-d4	116	78-123
Toluene-d8	97	80-110
Bromofluorobenzene	93	80-115

Type: BSD Lab ID: QC144781

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	49.74	99	74-132	4	20
Benzene	50.00	42.28	85	80-116	3	20
Trichloroethene	50.00	46.43	93	80-119	8	20
Toluene	50.00	46.77	94	80-120	1	20
Chlorobenzene	50.00	44.83	90	80-117	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-122
1,2-Dichloroethane-d4	109	78-123
Toluene-d8	100	80-110
Bromofluorobenzene	94	80-115

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	63462
Units:	ug/L	Analyzed:	05/07/01
Diln Fac:	1.000		

Type: BS Lab ID: QC144793

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	46.85	94	74-132
Benzene	50.00	46.74	93	80-116
Trichloroethene	50.00	48.45	97	80-119
Toluene	50.00	48.65	97	80-120
Chlorobenzene	50.00	47.28	95	80-117

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-122
1,2-Dichloroethane-d4	97	78-123
Toluene-d8	102	80-110
Bromofluorobenzene	98	80-115

Type: BSD Lab ID: QC144794

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	44.29	89	74-132	6	20
Benzene	50.00	45.04	90	80-116	4	20
Trichloroethene	50.00	47.00	94	80-119	3	20
Toluene	50.00	47.97	96	80-120	1	20
Chlorobenzene	50.00	45.86	92	80-117	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-122
1,2-Dichloroethane-d4	98	78-123
Toluene-d8	106	80-110
Bromofluorobenzene	99	80-115

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520
Project#:	133.018	Analysis:	EPA 8270C
Field ID:	SCIMW-34	Batch#:	63470
Lab ID:	151821-006	Sampled:	05/04/01
Matrix:	Water	Received:	05/04/01
Units:	ug/L	Prepared:	05/07/01
Diln Fac:	1.000	Analyzed:	05/08/01

Analyte	Result	RL
Naphthalene	ND	11
Acenaphthylene	ND	11
Acenaphthene	ND	11
Fluorene	ND	11
Phenanthrene	ND	11
Anthracene	ND	11
Fluoranthene	ND	11
Pyrene	ND	11
Benzo(a)anthracene	ND	11
Chrysene	ND	11
Benzo(b)fluoranthene	ND	11
Benzo(k)fluoranthene	ND	11
Benzo(a)pyrene	ND	11
Indeno(1,2,3-cd)pyrene	ND	11
Dibenz(a,h)anthracene	ND	11
Benzo(g,h,i)perylene	ND	11

Surrogate	%REC	Limits
Nitrobenzene-d5	92	34-126
2-Fluorobiphenyl	77	30-121
Terphenyl-d14	72	15-142

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520
Project#:	133.018	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC144828	Batch#:	63470
Matrix:	Water	Prepared:	05/07/01
Units:	ug/L	Analyzed:	05/08/01

Analyte	Result	RL
Naphthalene	ND	10
Acenaphthylene	ND	10
Acenaphthene	ND	10
Fluorene	ND	10
Phenanthrene	ND	10
Anthracene	ND	10
Fluoranthene	ND	10
Pyrene	ND	10
Benzo(a)anthracene	ND	10
Chrysene	ND	10
Benzo(b)fluoranthene	ND	10
Benzo(k)fluoranthene	ND	10
Benzo(a)pyrene	ND	10
Indeno(1,2,3-cd)pyrene	ND	10
Dibenz(a,h)anthracene	ND	10
Benzo(g,h,i)perylene	ND	10

Surrogate	%REC	Limits
Nitrobenzene-d5	91	34-126
2-Fluorobiphenyl	88	30-121
Terphenyl-d14	81	15-142

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520
Project#:	133.018	Analysis:	EPA 8270C
Matrix:	Water	Batch#:	63470
Units:	ug/L	Prepared:	05/07/01
Diln Fac:	1.000	Analyzed:	05/08/01

Type: BS Lab ID: QC144829

Analyte	Spiked	Result	%REC	Limits
Acenaphthene	50.00	40.37	81	42-113
Pyrene	50.00	41.47	83	42-116

Surrogate	%REC	Limits
Nitrobenzene-d5	91	34-126
2-Fluorobiphenyl	78	30-121
Terphenyl-d14	72	15-142

Type: BSD Lab ID: QC144830

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Acenaphthene	50.00	36.58	73	42-113	10	20
Pyrene	50.00	35.39	71	42-116	16	20

Surrogate	%REC	Limits
Nitrobenzene-d5	81	34-126
2-Fluorobiphenyl	81	30-121
Terphenyl-d14	74	15-142

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 6010B
Field ID:	SCIMW-34	Sampled:	05/04/01
Matrix:	Filtrate	Received:	05/04/01
Units:	ug/L	Prepared:	05/09/01
Diln Fac:	1.000	Analyzed:	05/10/01
Batch#:	63541		

Type: SAMPLE Lab ID: 151821-006

Analyte	Result	RL
Cadmium	ND	5.0
Chromium	ND	10
Nickel	23	20
Zinc	43	20

Type: BLANK Lab ID: QC145083

Analyte	Result	RL
Cadmium	ND	5.0
Chromium	ND	10
Nickel	ND	20
Zinc	ND	20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 6010B
Matrix:	Filtrate	Batch#:	63541
Units:	ug/L	Prepared:	05/09/01
Diln Fac:	1.000	Analyzed:	05/10/01

Type: BS Lab ID: QC145084

Analyte	Spiked	Result	%REC	Limits
Cadmium	50.00	46.40	93	80-126
Chromium	200.0	201.0	101	80-113
Nickel	500.0	489.0	98	80-116
Zinc	500.0	468.0	94	72-126

Type: BSD Lab ID: QC145085

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	50.00	48.20	96	80-126	4	20
Chromium	200.0	206.0	103	80-113	2	21
Nickel	500.0	504.0	101	80-116	3	23
Zinc	500.0	479.0	96	72-126	2	26

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
Type:	SDUP	Batch#:	63541
MSS Lab ID:	151765-001	Sampled:	05/02/01
Lab ID:	QC145086	Received:	05/02/01
Matrix:	Filtrate	Prepared:	05/09/01
Units:	ug/L	Analyzed:	05/10/01

Analyte	MSS Result	Result	RL	RPD	Lim
Cadmium	<5.000	ND	5.0	NC	25
Chromium	<10.00	ND	10	NC	20
Nickel	<20.00	ND	20	NC	20
Zinc	132.0	130.0	20	2	33

NC= Not Calculated
ND= Not Detected
RL= Reporting Limit
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	151821	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
Type:	SSPIKE	Batch#:	63541
MSS Lab ID:	151765-001	Sampled:	05/02/01
Lab ID:	QC145087	Received:	05/02/01
Matrix:	Filtrate	Prepared:	05/09/01
Units:	ug/L	Analyzed:	05/10/01

Analyte	MSS Result	Spiked	Result	%REC	Limits
Cadmium	0.2470	50.00	40.00	80	70-127
Chromium	0.7220	200.0	169.0	84	70-124
Nickel	2.370	500.0	412.0	82	70-126
Zinc	132.0	500.0	509.0	75	69-129

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

Subsurface Consultants
3736 Mt. Diablo Blvd.
Suite 200
Lafeyette, CA 94549

Date: 14-MAY-01
Lab Job Number: 151819
Project ID: 133.018
Location: 4th Ave Terminal

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

Curtis & Tompkins, Ltd.

Laboratory Number: 151819
Client: Subsurface Consultants
Location: 4th Ave Terminal
Project#: 133.018

Request Date: 5/02/01

CASE NARRATIVE

This hardcopy data package contains sample and QC results for six water samples that were received on May 2nd, 2001. The samples were received cold and intact.

Total Volatile Hydrocarbons: No analytical problems were encountered.

Total Extractable Hydrocarbons: No analytical problems were encountered.

Volatile Organics: No analytical problems were encountered.

Organochlorine Pesticides: No analytical problems were encountered.

Metals: The barium and molybdenum recoveries for the sample spike were outside of acceptance limits. The associated blank spike and blank spike duplicate are within acceptance limits. No other analytical problems were encountered.

CHAIN OF CUSTODY FORM

PAGE 1 OF

PROJECT NAME: 4th Avenue Terminal / KOT

JOB NUMBER: 133-018

LAB: C$T

PROJECT CONTACT: Emily Silverman

TURNAROUND: Standard

SAMPLED BY: Obi Nzewi

REQUESTED BY: Emily Silverman

LABORATORY I.D. NUMBER	SCI SAMPLE NUMBER	MATRIX: WATER	SOIL	WASTE	AIR	CONTAINERS: VOA	LITER	PINT	TUBE	Poly 250	METHOD PRESERVED: HCL	H_2SO_4	HNO_3	ICE	NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	ANALYSIS REQUESTED: TPH BTEX (8015m/8020)	TEHd, MO (8015m) w/silica	VOC's 8260/8240	Pesticides (8080)	Heavy metals filtered (6010/7000)	PNAs (8270) filtered
151819-1	SCIMW-2	X					X			X			X	X	X	05	03	01	1200	①		X			X	
-2	SCIMW-7	X				X	X				X			X	X	05	03	01	1445	①	[illegible]		X	X		
-3	SCIMW-11	X				X	X				X			X	X	05	03	01	1615	①	X	X				
-4	SCIMW-15	X					X							X	X	05	03	01	1550	①		X				
-5	SCIMW-23	X					X							X	X	05	03	01	1210	①		X				
-6	SCIMW-31D	X				X					X			X	X	05	03	01	1425	①			X			

CHAIN OF CUSTODY RECORD

RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
ONzewi	ON 4 5/3/01 1935	[signature]	5/4/01 9:35
RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
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RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME

COMMENTS & NOTES:

① Tehd $ Tehmo with silica gel clean up

SCI Subsurface Consultants, Inc.
171 - 12th Street, Suite 202, Oakland, CA 94607
(510) 268-0461 - FAX: (510) 268-0137
3736 Mt. Diablo Blvd., Ste. 200, Lafayette, CA 94549
(925) 299-7960 - (925) 299-7970

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8015M
Field ID:	SCIMW-11	Batch#:	63452
Matrix:	Water	Sampled:	05/03/01
Units:	ug/L	Received:	05/04/01
Diln Fac:	1.000		

Type: SAMPLE Analyzed: 05/06/01
Lab ID: 151819-003

Analyte	Result	RL
Gasoline C7-C12	140	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	105	59-135
Bromofluorobenzene (FID)	113	60-140

Type: BLANK Analyzed: 05/05/01
Lab ID: QC144763

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	104	59-135
Bromofluorobenzene (FID)	105	60-140

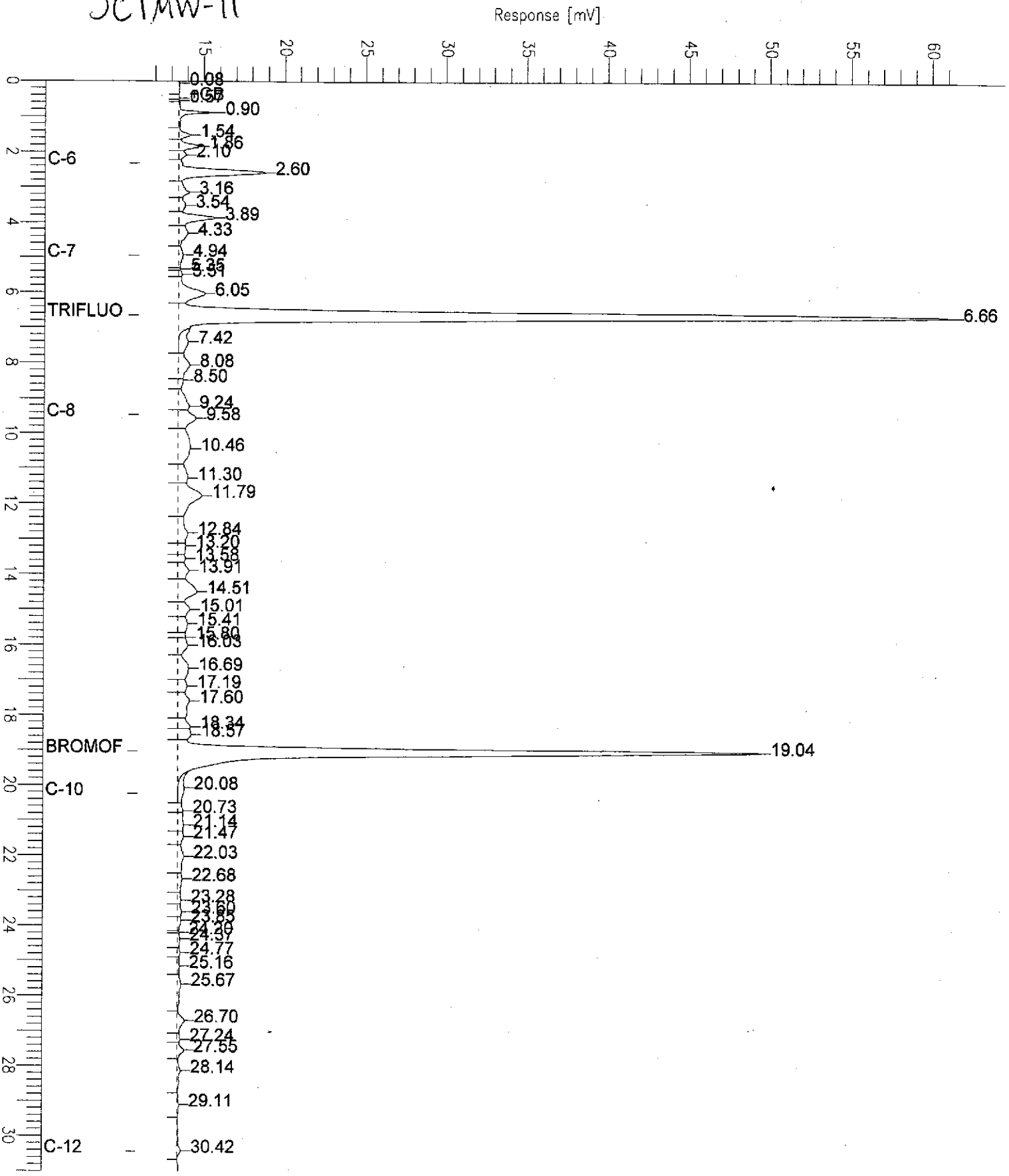
ND= Not Detected
RL= Reporting Limit

Chromatogram

Sample Name : 151819-003,63452
FileName : G:\GC05\DATA\125G017.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 31.00 min
Scale Factor: 1.0 Plot Offset: 11 mV

Sample #: A1 Page 1 of 1
Date : 5/6/01 01:00 AM
Time of Injection: 5/6/01 12:28 AM
Low Point : 11.02 mV High Point : 61.34 mV
Plot Scale: 50.3 mV

SC1MW-11



Chromatogram

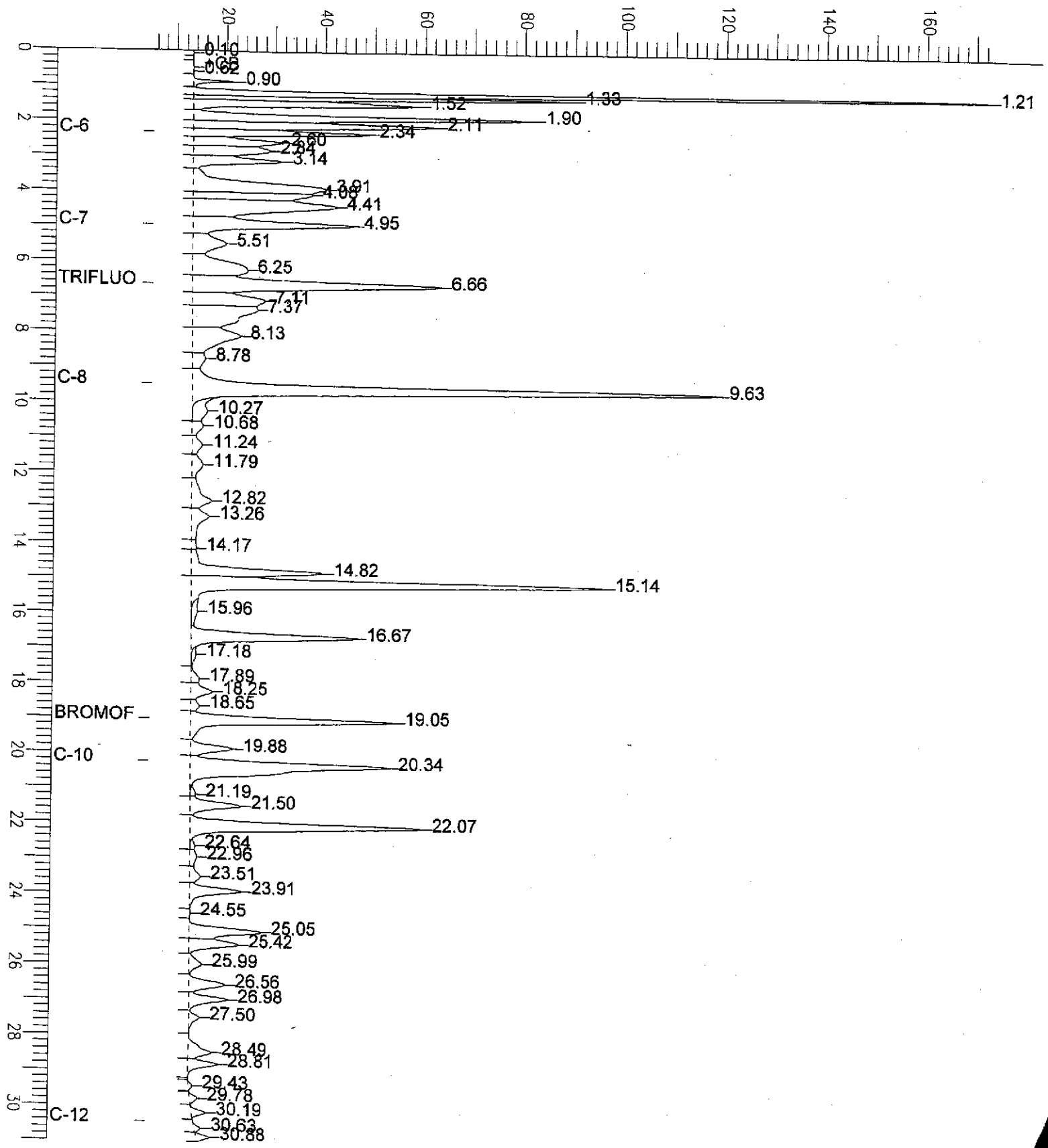
Sample Name : CCV/LCS,QC144764,63452,01WS1024,5/5000
FileName : G:\GC05\DATA\125G002.raw
Method : TVHBTXE
Start Time : 0.00 min
Scale Factor: 1.0

End Time : 31.00 min
Plot Offset: 5 mV

Sample #:
Date : 5/5/01 01:18 PM
Time of Injection: 5/5/01 12:47 PM
Low Point : 5.13 mV
Plot Scale: 167.5 mV

High Point : 172.68 mV

Gasoline



Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8021B
Field ID:	SCIMW-11	Batch#:	63452
Matrix:	Water	Sampled:	05/03/01
Units:	ug/L	Received:	05/04/01
Diln Fac:	1.000		

Type: SAMPLE Analyzed: 05/06/01
Lab ID: 151819-003

Analyte	Result	RL
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	84	56-142
Bromofluorobenzene (PID)	87	55-149

Type: BLANK Analyzed: 05/05/01
Lab ID: QC144763

Analyte	Result	RL
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	84	56-142
Bromofluorobenzene (PID)	85	55-149

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8015M
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC144764	Batch#:	63452
Matrix:	Water	Analyzed:	05/05/01
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,028	101	73-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	119	59-135
Bromofluorobenzene (FID)	112	60-140

Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8021B
Matrix:	Water	Batch#:	63452
Units:	ug/L	Analyzed:	05/06/01
Diln Fac:	1.000		

Type: BS Lab ID: QC144767

Analyte	Spiked	Result	%REC	Limits
Benzene	20.00	21.13	106	67-117
Toluene	20.00	20.18	101	69-117
Ethylbenzene	20.00	20.94	105	68-124
m,p-Xylenes	40.00	43.38	108	70-125
o-Xylene	20.00	22.21	111	65-129

Surrogate	%REC	Limits
Trifluorotoluene (PID)	80	56-142
Bromofluorobenzene (PID)	84	55-149

Type: BSD Lab ID: QC144768

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	20.00	20.92	105	67-117	1	20
Toluene	20.00	20.57	103	69-117	2	20
Ethylbenzene	20.00	20.93	105	68-124	0	20
m,p-Xylenes	40.00	42.91	107	70-125	1	20
o-Xylene	20.00	22.49	112	65-129	1	20

Surrogate	%REC	Limits
Trifluorotoluene (PID)	81	56-142
Bromofluorobenzene (PID)	85	55-149

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8015M
Field ID:	ZZZZZZZZZZ	Batch#:	63452
MSS Lab ID:	151817-009	Sampled:	05/04/01
Matrix:	Water	Received:	05/04/01
Units:	ug/L	Analyzed:	05/05/01
Diln Fac:	1.000		

Type: MS Lab ID: QC144765

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<24.00	2,000	2,000	100	65-131

Surrogate	%REC	Limits
Trifluorotoluene (FID)	116	59-135
Bromofluorobenzene (FID)	112	60-140

Type: MSD Lab ID: QC144766

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,887	94	65-131	6	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	59-135
Bromofluorobenzene (FID)	111	60-140

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520
Project#:	133.018	Analysis:	EPA 8015M
Matrix:	Water	Sampled:	05/03/01
Units:	ug/L	Received:	05/04/01
Diln Fac:	1.000	Prepared:	05/07/01
Batch#:	63485	Analyzed:	05/09/01

Field ID: SCIMW-2 Lab ID: 151819-001
Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	3,000 H	50
Motor Oil C24-C36	730 L Y	300

Surrogate	%REC	Limits
Hexacosane	67	44-121

Field ID: SCIMW-11 Lab ID: 151819-003
Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	67	44-121

Field ID: SCIMW-15 Lab ID: 151819-004
Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	67	44-121

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits fuel pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520
Project#:	133.018	Analysis:	EPA 8015M
Matrix:	Water	Sampled:	05/03/01
Units:	ug/L	Received:	05/04/01
Diln Fac:	1.000	Prepared:	05/07/01
Batch#:	63485	Analyzed:	05/09/01

ield ID:	SCIMW-23	Lab ID:	151819-005
ype:	SAMPLE	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	53 Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	67	44-121

ype:	BLANK	Cleanup Method:	EPA 3630C
ab ID:	QC144888		

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	72	44-121

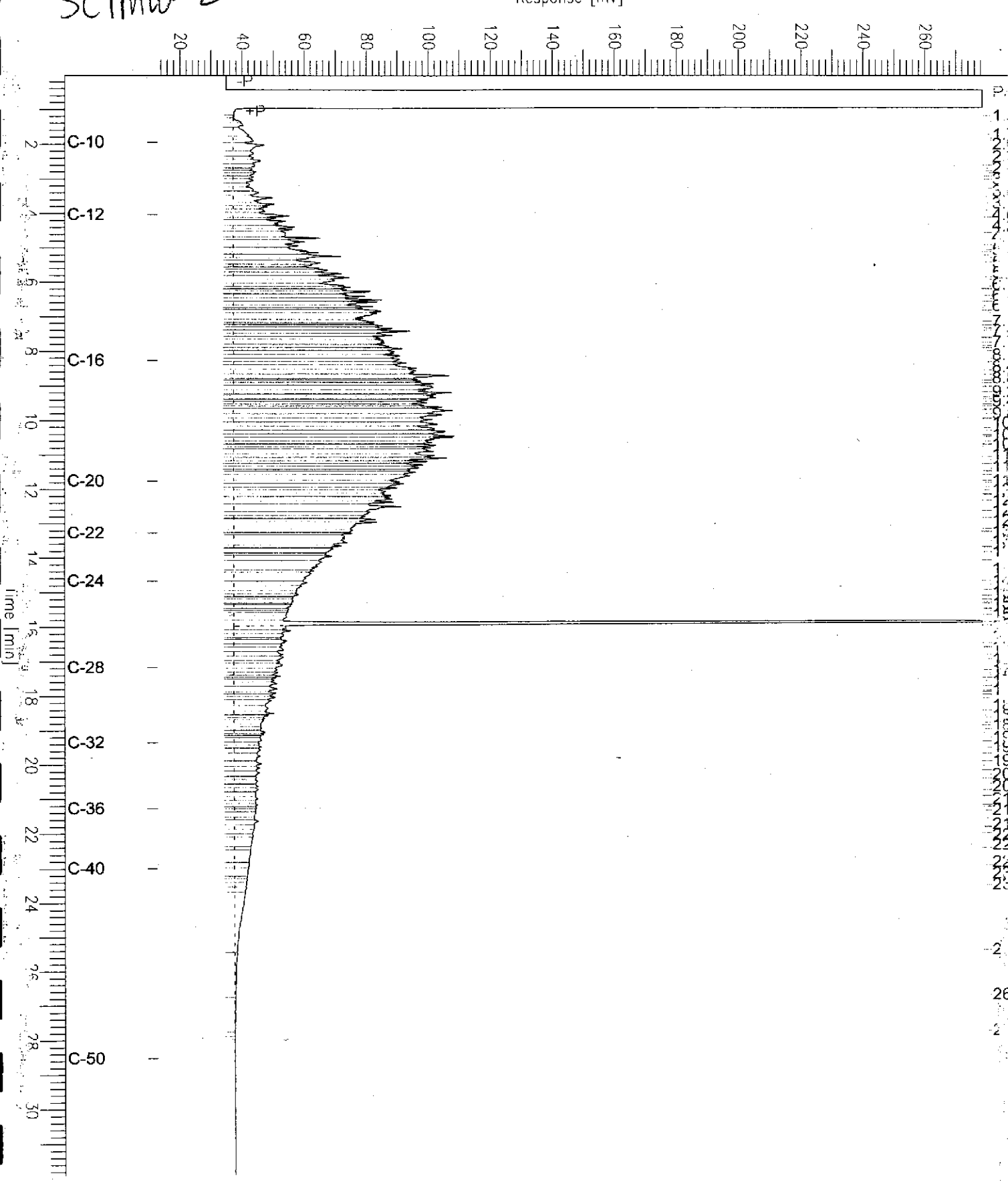
H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits fuel pattern which does not resemble standard
D= Not Detected
L= Reporting Limit

Chromatogram

Sample Name : 151819-001sg,63485
FileName : G:\GC13\CHB\129B019.RAW
Method : BTEH108.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 13 mV

Sample #: 63485 Page 1 of 1
Date : 05/10/2001 09:02 AM
Time of Injection: 05/09/2001 09:37 PM
Low Point : 12.80 mV High Point : 278.58 mV
Plot Scale: 265.8 mV

SC1MW-2

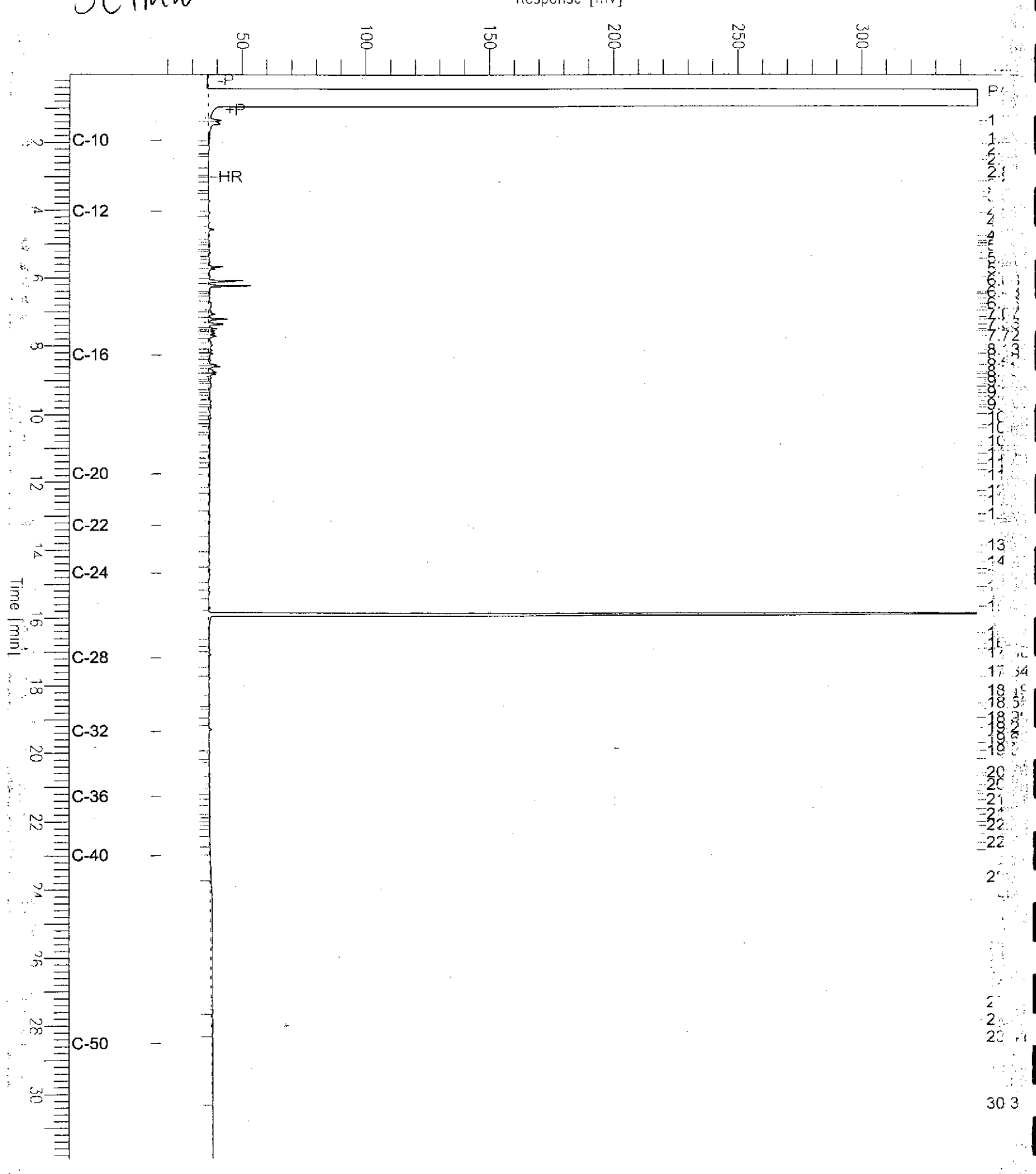


Chromatogram

Sample Name : 151819-005sg,63485
FileName : G:\GC13\CHB\129B022.RAW
Method : BTEH108.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 17 mV

Sample #: 63485 Page 1 of 1
Date : 05/10/2001 09:04 AM
Time of Injection: 05/09/2001 11:35 PM
Low Point : 17.49 mV High Point : 346.79 mV
Plot Scale: 329.3 mV

SC1MW-23

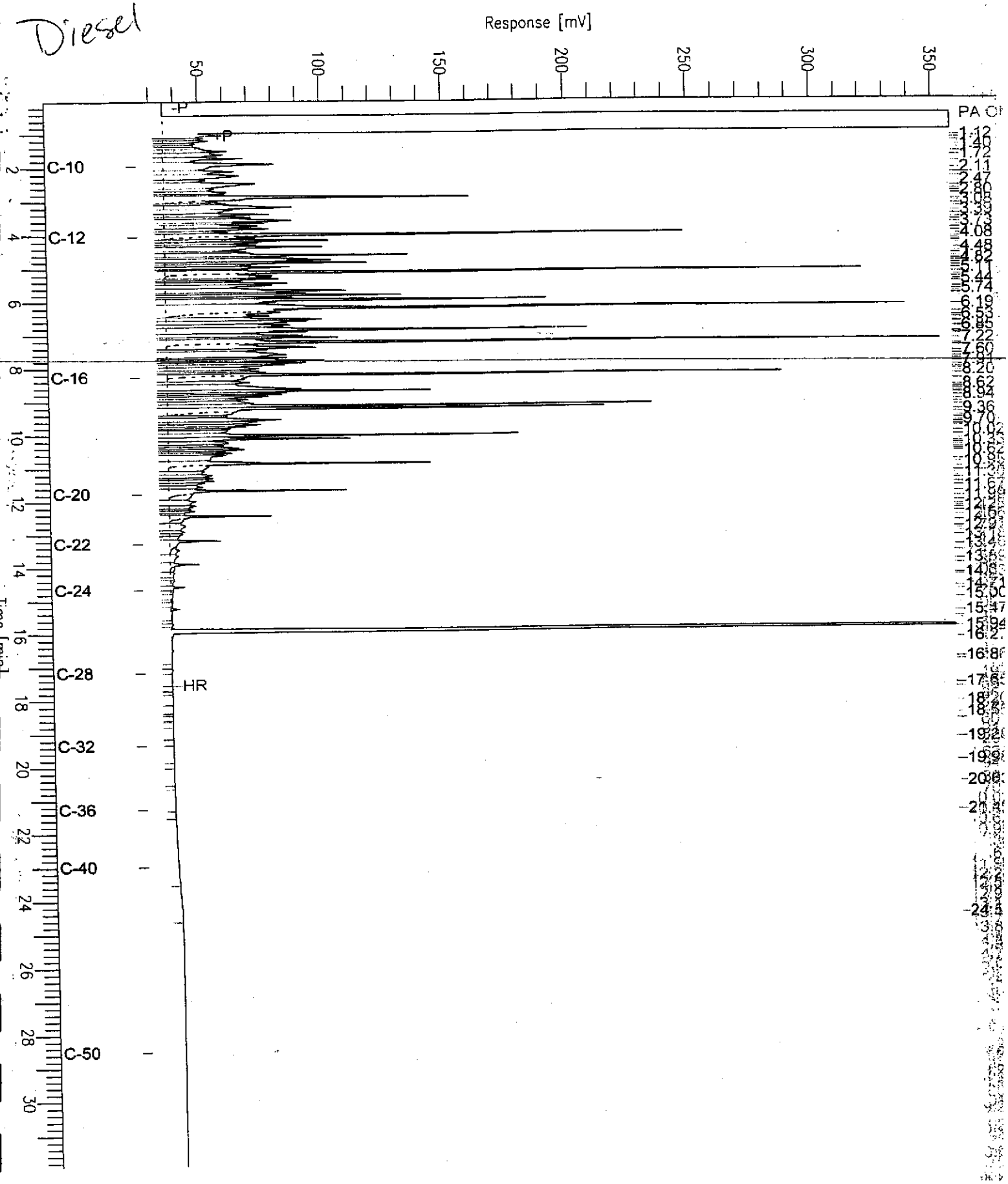


Chromatogram

Sample Name : ccv,01ws0904,dsl
FileName : G:\GC13\CHB\129B002.RAW
Method : BTEH108.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 25 mV

Sample #: 500mg/L Page 1 of 1
Date : 05/09/2001 10:54 AM
Time of Injection: 05/09/2001 10:18 AM
Low Point : 24.78 mV High Point : 357.80 mV
Plot Scale: 333.0 mV

Diesel

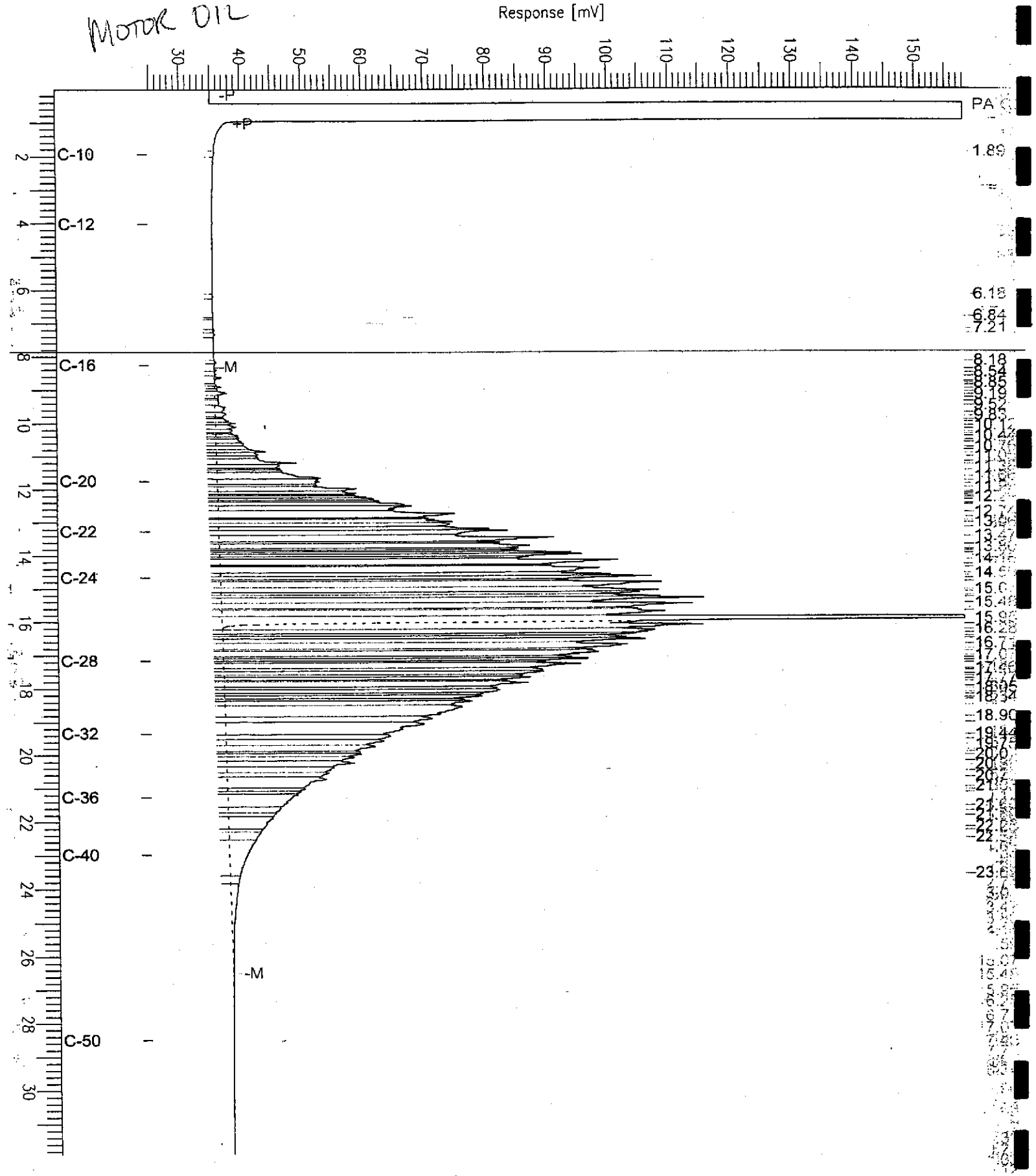


Chromatogram

ple Name : ccv,01ws1020,mo
eName : G:\GC13\CHB\129B003.RAW
hod : BTEH108.MTH
rt Time : 0.01 min End Time : 31.91 min
le Factor: 0.0 Plot Offset: 25 mV

Sample #: 500mg/L Page 1 of 1
Date : 05/09/2001 11:30 AM
Time of Injection: 05/09/2001 10:56 AM
Low Point : 24.77 mV High Point : 158.02 mV
Plot Scale: 133.2 mV

MOTOR OIL



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520
Project#:	133.018	Analysis:	EPA 8015M
Matrix:	Water	Batch#:	63485
Units:	ug/L	Prepared:	05/07/01
Diln Fac:	1.000	Analyzed:	05/09/01

Type: BS
Lab ID: QC144889

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,339	1,404	60	45-110

Surrogate	%REC	Limits
Hexacosane	74	44-121

Type: BSD
Lab ID: QC144890

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,339	1,502	64	45-110	7	22

Surrogate	%REC	Limits
Hexacosane	74	44-121

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Field ID:	SCIMW-7	Batch#:	63460
Lab ID:	151819-002	Sampled:	05/03/01
Matrix:	Water	Received:	05/04/01
Units:	ug/L	Analyzed:	05/07/01
Diln Fac:	833.3		

Analyte	Result	RL
Freon 12	ND	830
Chloromethane	ND	830
Vinyl Chloride	8,400	420
Bromomethane	ND	830
Chloroethane	3,900	830
Trichlorofluoromethane	ND	420
Acetone	ND	8,300
Freon 113	ND	4,200
1,1-Dichloroethene	1,200	420
Methylene Chloride	ND	8,300
Carbon Disulfide	ND	420
MTBE	ND	420
trans-1,2-Dichloroethene	760	420
Vinyl Acetate	ND	8,300
1,1-Dichloroethane	15,000	420
2-Butanone	ND	8,300
cis-1,2-Dichloroethene	98,000	420
2,2-Dichloropropane	ND	420
Chloroform	ND	420
Bromochloromethane	ND	420
1,1,1-Trichloroethane	34,000	420
1,1-Dichloropropene	ND	420
Carbon Tetrachloride	ND	420
1,2-Dichloroethane	ND	420
Benzene	6,000	420
Trichloroethene	6,000	420
1,2-Dichloropropane	ND	420
Bromodichloromethane	ND	420
Dibromomethane	ND	420
4-Methyl-2-Pentanone	ND	8,300
cis-1,3-Dichloropropene	ND	420
Toluene	7,800	420
trans-1,3-Dichloropropene	ND	420
1,1,2-Trichloroethane	ND	420
2-Hexanone	ND	8,300
1,3-Dichloropropane	ND	420
Tetrachloroethene	ND	420

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Field ID:	SCIMW-7	Batch#:	63460
Lab ID:	151819-002	Sampled:	05/03/01
Matrix:	Water	Received:	05/04/01
Units:	ug/L	Analyzed:	05/07/01
Diln Fac:	833.3		

Analyte	Result	RL
Dibromochloromethane	ND	420
1,2-Dibromoethane	ND	420
Chlorobenzene	ND	420
1,1,1,2-Tetrachloroethane	ND	420
Ethylbenzene	ND	420
m,p-Xylenes	ND	420
o-Xylene	ND	420
Styrene	ND	420
Bromoform	ND	830
Isopropylbenzene	ND	420
1,1,2,2-Tetrachloroethane	ND	420
1,2,3-Trichloropropane	ND	420
Propylbenzene	ND	420
Bromobenzene	ND	420
1,3,5-Trimethylbenzene	ND	420
2-Chlorotoluene	ND	420
4-Chlorotoluene	ND	420
tert-Butylbenzene	ND	420
1,2,4-Trimethylbenzene	ND	420
sec-Butylbenzene	ND	420
para-Isopropyl Toluene	ND	420
1,3-Dichlorobenzene	ND	420
1,4-Dichlorobenzene	ND	420
n-Butylbenzene	ND	420
1,2-Dichlorobenzene	ND	420
1,2-Dibromo-3-Chloropropane	ND	420
1,2,4-Trichlorobenzene	ND	420
Hexachlorobutadiene	ND	420
Naphthalene	ND	420
1,2,3-Trichlorobenzene	ND	420

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-122
1,2-Dichloroethane-d4	111	78-123
Toluene-d8	100	80-110
Bromofluorobenzene	102	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Field ID:	SCIMW-31D	Batch#:	63458
Lab ID:	151819-006	Sampled:	05/03/01
Matrix:	Water	Received:	05/04/01
Units:	ug/L	Analyzed:	05/07/01
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Field ID:	SCIMW-31D	Batch#:	63458
Lab ID:	151819-006	Sampled:	05/03/01
Matrix:	Water	Received:	05/04/01
Units:	ug/L	Analyzed:	05/07/01
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-122
1,2-Dichloroethane-d4	118	78-123
Toluene-d8	100	80-110
Bromofluorobenzene	100	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC144782	Batch#:	63458
Matrix:	Water	Analyzed:	05/06/01
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC144782	Batch#:	63458
Matrix:	Water	Analyzed:	05/06/01
Units:	ug/L		

Analyte	Result	RL
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-122
1,2-Dichloroethane-d4	116	78-123
Toluene-d8	100	80-110
Bromofluorobenzene	101	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC144789	Batch#:	63460
Matrix:	Water	Analyzed:	05/07/01
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC144789	Batch#:	63460
Matrix:	Water	Analyzed:	05/07/01
Units:	ug/L		

Analyte	Result	RL
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-122
1,2-Dichloroethane-d4	116	78-123
Toluene-d8	99	80-110
Bromofluorobenzene	101	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	63458
Units:	ug/L	Analyzed:	05/06/01
Diln Fac:	1.000		

Type: BS Lab ID: QC144780

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	51.54	103	74-132
Benzene	50.00	43.48	87	80-116
Trichloroethene	50.00	50.47	101	80-119
Toluene	50.00	46.33	93	80-120
Chlorobenzene	50.00	46.08	92	80-117

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-122
1,2-Dichloroethane-d4	116	78-123
Toluene-d8	97	80-110
Bromofluorobenzene	93	80-115

Type: BSD Lab ID: QC144781

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	49.74	99	74-132	4	20
Benzene	50.00	42.28	85	80-116	3	20
Trichloroethene	50.00	46.43	93	80-119	8	20
Toluene	50.00	46.77	94	80-120	1	20
Chlorobenzene	50.00	44.83	90	80-117	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-122
1,2-Dichloroethane-d4	109	78-123
Toluene-d8	100	80-110
Bromofluorobenzene	94	80-115

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030
Project#:	133.018	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	63460
Units:	ug/L	Analyzed:	05/07/01
Diln Fac:	1.000		

Type: BS Lab ID: QC144787

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	48.87	98	74-132
Benzene	50.00	43.96	88	80-116
Trichloroethene	50.00	49.84	100	80-119
Toluene	50.00	47.86	96	80-120
Chlorobenzene	50.00	46.91	94	80-117

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-122
1,2-Dichloroethane-d4	114	78-123
Toluene-d8	99	80-110
Bromofluorobenzene	94	80-115

Type: BSD Lab ID: QC144788

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	53.55	107	74-132	9	20
Benzene	50.00	42.46	85	80-116	3	20
Trichloroethene	50.00	48.55	97	80-119	3	20
Toluene	50.00	45.93	92	80-120	4	20
Chlorobenzene	50.00	46.03	92	80-117	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-122
1,2-Dichloroethane-d4	113	78-123
Toluene-d8	98	80-110
Bromofluorobenzene	95	80-115

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520
Project#:	133.018		
Field ID:	SCIMW-7	Batch#:	63475
Lab ID:	151819-002	Sampled:	05/03/01
Matrix:	Water	Received:	05/04/01
Units:	ug/L	Prepared:	05/07/01
Diln Fac:	10.00	Analyzed:	05/09/01

Analyte	Result	RL	Analysis
alpha-BHC	ND	0.5	EPA 8081A
beta-BHC	ND	0.5	EPA 8081A
gamma-BHC	ND	0.5	EPA 8081A
delta-BHC	ND	0.5	EPA 8081A
Heptachlor	ND	0.5	EPA 8081A
Aldrin	ND	0.5	EPA 8081A
Heptachlor epoxide B	ND	0.5	EPA 8081A
Heptachlor epoxide A	ND	0.5	EPA 8081A
Endosulfan I	ND	0.5	EPA 8081A
Dieldrin	ND	1.0	EPA 8081A
4,4'-DDE	ND	1.0	EPA 8081A
Endrin	ND	1.0	EPA 8081A
Endosulfan II	ND	1.0	EPA 8081A
Endosulfan sulfate	ND	1.0	EPA 8081A
4,4'-DDD	ND	1.0	EPA 8081A
Endrin aldehyde	ND	1.0	EPA 8081A
4,4'-DDT	ND	1.0	EPA 8081A
alpha-Chlordane	ND	0.5	EPA 8081A
gamma-Chlordane	ND	0.5	EPA 8081A
Methoxychlor	ND	5.0	EPA 8081A
Toxaphene	ND	10	EPA 8081A
Aroclor-1016	ND	5.0	EPA 8082
Aroclor-1221	ND	10	EPA 8082
Aroclor-1232	ND	5.0	EPA 8082
Aroclor-1242	ND	5.0	EPA 8082
Aroclor-1248	ND	5.0	EPA 8082
Aroclor-1254	ND	5.0	EPA 8082
Aroclor-1260	ND	5.0	EPA 8082

Surrogate	%REC	Limits	Analysis
TCMX	DO	27-116	EPA 8081A
Decachlorobiphenyl	DO	15-110	EPA 8081A

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520
Project#:	133.018		
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC144851	Batch#:	63475
Matrix:	Water	Prepared:	05/07/01
Units:	ug/L	Analyzed:	05/09/01

Analyte	Result	RL	Analysis
alpha-BHC	ND	0.05	EPA 8081A
beta-BHC	ND	0.05	EPA 8081A
gamma-BHC	ND	0.05	EPA 8081A
delta-BHC	ND	0.05	EPA 8081A
Heptachlor	ND	0.05	EPA 8081A
Aldrin	ND	0.05	EPA 8081A
Heptachlor epoxide B	ND	0.05	EPA 8081A
Heptachlor epoxide A	ND	0.05	EPA 8081A
Endosulfan I	ND	0.05	EPA 8081A
Dieldrin	ND	0.1	EPA 8081A
4,4'-DDE	ND	0.1	EPA 8081A
Endrin	ND	0.1	EPA 8081A
Endosulfan II	ND	0.1	EPA 8081A
Endosulfan sulfate	ND	0.1	EPA 8081A
4,4'-DDD	ND	0.1	EPA 8081A
Endrin aldehyde	ND	0.1	EPA 8081A
4,4'-DDT	ND	0.1	EPA 8081A
alpha-Chlordane	ND	0.05	EPA 8081A
gamma-Chlordane	ND	0.05	EPA 8081A
Methoxychlor	ND	0.5	EPA 8081A
Toxaphene	ND	1.0	EPA 8081A
Aroclor-1016	ND	0.5	EPA 8082
Aroclor-1221	ND	1.0	EPA 8082
Aroclor-1232	ND	0.5	EPA 8082
Aroclor-1242	ND	0.5	EPA 8082
Aroclor-1248	ND	0.5	EPA 8082
Aroclor-1254	ND	0.5	EPA 8082
Aroclor-1260	ND	0.5	EPA 8082

Surrogate	%REC	Limits	Analysis
TCMX	70	27-116	EPA 8081A
Decachlorobiphenyl	96	15-110	EPA 8081A

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520
Project#:	133.018	Analysis:	EPA 8081A
Matrix:	Water	Batch#:	63475
Units:	ug/L	Prepared:	05/07/01
Diln Fac:	1.000	Analyzed:	05/09/01

Type: BS Lab ID: QC144852

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	0.5000	0.4986	100	42-140
Heptachlor	0.5000	0.4208	84	34-132
Aldrin	0.5000	0.3980	80	36-123
Dieldrin	0.5000	0.4047	81	44-119
Endrin	0.5000	0.4626	93	48-137
4,4'-DDT	0.5000	0.4274	85	39-127

Surrogate	%REC	Limits
TCMX	91	27-116
Decachlorobiphenyl	97	15-110

Type: BSD Lab ID: QC144853

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	0.5000	0.4671	93	42-140	7	28
Heptachlor	0.5000	0.4044	81	34-132	4	29
Aldrin	0.5000	0.3910	78	36-123	2	25
Dieldrin	0.5000	0.3908	78	44-119	4	25
Endrin	0.5000	0.4529	91	48-137	2	28
4,4'-DDT	0.5000	0.4119	82	39-127	4	33

Surrogate	%REC	Limits
TCMX	88	27-116
Decachlorobiphenyl	102	15-110

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018		
Field ID:	SCIMW-2	Diln Fac:	1.000
Lab ID:	151819-001	Sampled:	05/03/01
Matrix:	Filtrate	Received:	05/04/01
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	60	63541	05/09/01	05/10/01	EPA 6010B
Arsenic	ND	5.0	63541	05/09/01	05/10/01	EPA 6010B
Barium	380	10	63541	05/09/01	05/10/01	EPA 6010B
Beryllium	ND	2.0	63541	05/09/01	05/10/01	EPA 6010B
Cadmium	ND	5.0	63541	05/09/01	05/10/01	EPA 6010B
Chromium	ND	10	63541	05/09/01	05/10/01	EPA 6010B
Cobalt	ND	20	63541	05/09/01	05/10/01	EPA 6010B
Copper	ND	10	63541	05/09/01	05/10/01	EPA 6010B
Lead	ND	3.0	63541	05/09/01	05/10/01	EPA 6010B
Mercury	ND	0.20	63512	05/08/01	05/08/01	EPA 7470
Molybdenum	ND	20	63541	05/09/01	05/10/01	EPA 6010B
Nickel	ND	20	63541	05/09/01	05/10/01	EPA 6010B
Selenium	ND	5.0	63541	05/09/01	05/10/01	EPA 6010B
Silver	ND	5.0	63541	05/09/01	05/10/01	EPA 6010B
Thallium	ND	5.0	63541	05/09/01	05/10/01	EPA 6010B
Vanadium	ND	10	63541	05/09/01	05/10/01	EPA 6010B
Zinc	31	20	63541	05/09/01	05/10/01	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 7470
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	63512
Lab ID:	QC144970	Prepared:	05/08/01
Matrix:	Water	Analyzed:	05/08/01
Units:	ug/L		

Result	RL
ND	0.20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 7470
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	63512
Lab ID:	QC144975	Prepared:	05/08/01
Matrix:	Water	Analyzed:	05/08/01
Units:	ug/L		

Result	RL
ND	0.20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC145083	Batch#:	63541
Matrix:	Filtrate	Prepared:	05/09/01
Units:	ug/L	Analyzed:	05/10/01

Analyte	Result	RL
Antimony	ND	60
Arsenic	ND	5.0
Barium	ND	10
Beryllium	ND	2.0
Cadmium	ND	5.0
Chromium	ND	10
Cobalt	ND	20
Copper	ND	10
Lead	ND	3.0
Molybdenum	ND	20
Nickel	ND	20
Selenium	ND	5.0
Silver	ND	5.0
Thallium	ND	5.0
Vanadium	ND	10
Zinc	ND	20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 7470
Analyte:	Mercury	Batch#:	63512
Matrix:	Water	Prepared:	05/08/01
Units:	ug/L	Analyzed:	05/08/01
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC144971	5.000	4.050	81	80-116		
BSD	QC144972	5.000	4.170	83	80-116	3	20

RPD= Relative Percent Difference

California Title 26 Metals

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 7470
Analyte:	Mercury	Batch#:	63512
Field ID:	ZZZZZZZZZZ	Sampled:	05/03/01
MSS Lab ID:	151807-001	Received:	05/03/01
Matrix:	Water	Prepared:	05/08/01
Units:	ug/L	Analyzed:	05/08/01
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC144973	0.1400	5.000	4.470	87	80-114		
MSD	QC144974		5.000	4.390	85	80-114	2	22

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 7470
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	SCIMW-2	Batch#:	63512
Type:	SDUP	Sampled:	05/03/01
MSS Lab ID:	151819-001	Received:	05/04/01
Lab ID:	QC144978	Prepared:	05/08/01
Matrix:	Filtrate	Analyzed:	05/08/01
Units:	ug/L		

MSS Result	Result	RL	RPD	Lim
<0.2000	ND	0.20	NC	22

NC= Not Calculated
ND= Not Detected
RL= Reporting Limit
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 7470
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	SCIMW-2	Batch#:	63512
Type:	SSPIKE	Sampled:	05/03/01
MSS Lab ID:	151819-001	Received:	05/04/01
Lab ID:	QC144979	Prepared:	05/08/01
Matrix:	Filtrate	Analyzed:	05/08/01
Units:	ug/L		

MSS Result	Spiked	Result	%REC	Limits
<0.05300	5.000	4.180	84	80-114

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 6010B
Matrix:	Filtrate	Batch#:	63541
Units:	ug/L	Prepared:	05/09/01
Diln Fac:	1.000	Analyzed:	05/10/01

Type: BS Lab ID: QC145084

Analyte	Spiked	Result	%REC	Limits
Antimony	500.0	573.0	115	75-123
Arsenic	100.0	98.00	98	80-120
Barium	2,000	2,020	101	80-116
Beryllium	50.00	52.00	104	80-116
Cadmium	50.00	46.40	93	80-126
Chromium	200.0	201.0	101	80-113
Cobalt	500.0	487.0	97	80-112
Copper	250.0	267.0	107	80-114
Lead	100.0	99.50	100	78-120
Molybdenum	400.0	413.0	103	80-114
Nickel	500.0	489.0	98	80-116
Selenium	100.0	95.00	95	79-120
Silver	50.00	52.60	105	80-120
Thallium	100.0	92.20	92	80-119
Vanadium	500.0	522.0	104	80-111
Zinc	500.0	468.0	94	72-126

Type: BSD Lab ID: QC145085

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	500.0	537.0	107	75-123	6	21
Arsenic	100.0	103.0	103	80-120	5	20
Barium	2,000	2,040	102	80-116	1	21
Beryllium	50.00	53.40	107	80-116	3	20
Cadmium	50.00	48.20	96	80-126	4	20
Chromium	200.0	206.0	103	80-113	2	21
Cobalt	500.0	499.0	100	80-112	2	25
Copper	250.0	270.0	108	80-114	1	24
Lead	100.0	101.0	101	78-120	1	20
Molybdenum	400.0	419.0	105	80-114	1	22
Nickel	500.0	504.0	101	80-116	3	23
Selenium	100.0	93.00	93	79-120	2	20
Silver	50.00	52.80	106	80-120	0	26
Thallium	100.0	96.80	97	80-119	5	20
Vanadium	500.0	527.0	105	80-111	1	20
Zinc	500.0	479.0	96	72-126	2	26

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
Type:	SDUP	Batch#:	63541
MSS Lab ID:	151765-001	Sampled:	05/02/01
Lab ID:	QC145086	Received:	05/02/01
Matrix:	Filtrate	Prepared:	05/09/01
Units:	ug/L	Analyzed:	05/10/01

Analyte	MSS Result	Result	RL	RPD	Lim
Antimony	<60.00	ND	60	NC	29
Arsenic	<5.000	ND	5.0	NC	42
Barium	36.00	44.70	10	22 *	20
Beryllium	<2.000	ND	2.0	NC	20
Cadmium	<5.000	ND	5.0	NC	25
Chromium	<10.00	ND	10	NC	20
Cobalt	<20.00	ND	20	NC	20
Copper	70.20	47.90	10	38 *	20
Lead	<3.000	ND	3.0	NC	29
Molybdenum	<20.00	ND	20	NC	20
Nickel	<20.00	ND	20	NC	20
Selenium	<5.000	ND	5.0	NC	40
Silver	<5.000	ND	5.0	NC	30
Thallium	<5.000	ND	5.0	NC	41
Vanadium	<10.00	ND	10	NC	41
Zinc	132.0	130.0	20	2	33

*= Value outside of QC limits; see narrative
NC= Not Calculated
ND= Not Detected
RL= Reporting Limit
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	151819	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
Type:	SSPIKE	Batch#:	63541
MSS Lab ID:	151765-001	Sampled:	05/02/01
Lab ID:	QC145087	Received:	05/02/01
Matrix:	Filtrate	Prepared:	05/09/01
Units:	ug/L	Analyzed:	05/10/01

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	<1.900	500.0	583.0	117	64-128
Arsenic	4.220	100.0	85.80	82	65-131
Barium	36.00	2,000	2,560	126 *	75-120
Beryllium	<0.1200	50.00	42.70	85	71-124
Cadmium	0.2470	50.00	40.00	80	70-127
Chromium	0.7220	200.0	169.0	84	70-124
Cobalt	1.150	500.0	411.0	82	73-122
Copper	70.20	250.0	265.0	78	74-122
Lead	2.010	100.0	124.0	122	66-128
Molybdenum	3.590	400.0	515.0	128 *	72-122
Nickel	2.370	500.0	412.0	82	70-126
Selenium	<1.700	100.0	77.50	78	65-132
Silver	<0.7200	50.00	44.80	90	72-125
Thallium	<2.000	100.0	86.00	86	58-134
Vanadium	2.490	500.0	439.0	87	58-134
Zinc	132.0	500.0	509.0	75	69-129

*= Value outside of QC limits; see narrative

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

Subsurface Consultants
3736 Mt. Diablo Blvd.
Suite 200
Lafayette, CA 94549

Date: 30-MAY-01
Lab Job Number: 151907
Project ID: 133.018
Location: 4th Ave Terminal

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

Curtis & Tompkins, Ltd.

Laboratory Number: **151907** Receipt Date: **05/10/01**
Client: **Subsurface Consultants, Inc.**
Project Name: **9th Ave. Terminal/KOT**

CASE NARRATIVE

This hardcopy data package contains sample results and batch QC results for one water sample received from the above referenced project. The sample was received cold and intact.

Metals: The matrix duplicate relative percent difference (RPD) for selenium was outside acceptance limits. The associated blank spike duplicate RPDs were acceptable for all target elements.

The matrix spike recovery for selenium was outside acceptance limits. The associated blank spike recoveries were acceptable for all target elements. No other analytical problems were encountered.

CHAIN OF CUSTODY FORM

15 [illegible]

PAGE ___ OF ___

PROJECT NAME: 9th Avenue Terminal / KOT

JOB NUMBER: 133-018

LAB: C&T

PROJECT CONTACT: Emily Silverman

TURNAROUND: Standard

SAMPLED BY: Obi Nzewi

REQUESTED BY: Emily Silverman

LABORATORY I.D. NUMBER	SCI SAMPLE NUMBER	MATRIX: WATER	SOIL	WASTE	AIR		CONTAINERS: VOA	LITER	PINT	TUBE	500ml Poly	METHOD PRESERVED: HCL	H_2SO_4	HNO_3	ICE	NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	ANALYSIS REQUESTED: 17 title 22 metals (6010/7000)
1	SCIMW-28	X									2				X	X	05	10	01		①	X

Received ☐ On Ice
☒ Cold ☐ Ambient ☒ Intact

Preservation Correct?
☐ Yes ☐ No ☐ N/A

CHAIN OF CUSTODY RECORD

RELEASED BY: (Signature)	DATE / TIME		RECEIVED BY: (Signature)	DATE / TIME	
[signature]	5/10/01	0905	[signature]	5/10/01	0905
RELEASED BY: (Signature)	DATE / TIME		RECEIVED BY: (Signature)	DATE / TIME	
RELEASED BY: (Signature)	DATE / TIME		RECEIVED BY: (Signature)	DATE / TIME	
RELEASED BY: (Signature)	DATE / TIME		RECEIVED BY: (Signature)	DATE / TIME	

COMMENTS & NOTES:

① lab to filter ~~[illegible]~~ O.N. samples on arrival.

- Bill directly to Port of Oakland.

SCI **Subsurface Consultants, Inc.**
171 - 12th Street, Suite 202, Oakland, CA 94607
(510) 268-0461 - FAX: (510) 268-0137
3736 Mt. Diablo Blvd., Ste. 200, Lafayette, CA 94549
(925) 299-7960 - (925) 299-7970

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	151907	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018		
Field ID:	SCIMW-28	Diln Fac:	1.000
Lab ID:	151907-001	Sampled:	05/10/01
Matrix:	Filtrate	Received:	05/10/01
Units:	ug/L	Prepared:	05/15/01

Analyte	Result	RL	Batch#	Analyzed	Analysis
Antimony	ND	60	63649	05/16/01	EPA 6010B
Arsenic	5.0	5.0	63649	05/16/01	EPA 6010B
Barium	25	10	63649	05/16/01	EPA 6010B
Beryllium	ND	2.0	63649	05/16/01	EPA 6010B
Cadmium	5.1	5.0	63649	05/16/01	EPA 6010B
Chromium	ND	10	63649	05/16/01	EPA 6010B
Cobalt	ND	20	63649	05/16/01	EPA 6010B
Copper	71	10	63649	05/16/01	EPA 6010B
Lead	110	3.0	63649	05/16/01	EPA 6010B
Mercury	ND	0.20	63636	05/15/01	EPA 7470
Molybdenum	ND	20	63649	05/16/01	EPA 6010B
Nickel	ND	20	63649	05/16/01	EPA 6010B
Selenium	ND	5.0	63649	05/16/01	EPA 6010B
Silver	ND	5.0	63649	05/16/01	EPA 6010B
Thallium	ND	5.0	63649	05/16/01	EPA 6010B
Vanadium	ND	10	63649	05/16/01	EPA 6010B
Zinc	510	20	63649	05/16/01	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	151907	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC145480	Batch#:	63649
Matrix:	Filtrate	Prepared:	05/15/01
Units:	ug/L	Analyzed:	05/16/01

Analyte	Result	RL
Antimony	ND	60
Arsenic	ND	5.0
Barium	ND	10
Beryllium	ND	2.0
Cadmium	ND	5.0
Chromium	ND	10
Cobalt	ND	20
Copper	ND	10
Lead	ND	3.0
Molybdenum	ND	20
Nickel	ND	20
Selenium	ND	5.0
Silver	ND	5.0
Thallium	ND	5.0
Vanadium	ND	10
Zinc	ND	20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	151907	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 7470
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	63636
Lab ID:	QC145431	Prepared:	05/15/01
Matrix:	Filtrate	Analyzed:	05/15/01
Units:	ug/L		

Result	RL
ND	0.20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	151907	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 6010B
Matrix:	Filtrate	Batch#:	63649
Units:	ug/L	Prepared:	05/15/01
Diln Fac:	1.000	Analyzed:	05/16/01

Type: BS Lab ID: QC145481

Analyte	Spiked	Result	%REC	Limits
Antimony	500.0	465.0	93	75-123
Arsenic	100.0	100.0	100	80-120
Barium	2,000	1,990	100	80-116
Beryllium	50.00	49.50	99	80-116
Cadmium	50.00	48.50	97	80-126
Chromium	200.0	197.0	99	80-113
Cobalt	500.0	480.0	96	80-112
Copper	250.0	242.0	97	80-114
Lead	100.0	99.90	100	78-120
Molybdenum	400.0	401.0	100	80-114
Nickel	500.0	476.0	95	80-116
Selenium	100.0	97.00	97	79-120
Silver	50.00	48.30	97	80-120
Thallium	100.0	97.70	98	80-119
Vanadium	500.0	497.0	99	80-111
Zinc	500.0	483.0	97	72-126

Type: BSD Lab ID: QC145482

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	500.0	514.0	103	75-123	10	21
Arsenic	100.0	102.0	102	80-120	2	20
Barium	2,000	2,010	101	80-116	1	21
Beryllium	50.00	50.00	100	80-116	1	20
Cadmium	50.00	49.60	99	80-126	2	20
Chromium	200.0	198.0	99	80-113	1	21
Cobalt	500.0	484.0	97	80-112	1	25
Copper	250.0	244.0	98	80-114	1	24
Lead	100.0	99.30	99	78-120	1	20
Molybdenum	400.0	407.0	102	80-114	1	22
Nickel	500.0	481.0	96	80-116	1	23
Selenium	100.0	99.20	99	79-120	2	20
Silver	50.00	48.30	97	80-120	0	26
Thallium	100.0	99.30	99	80-119	2	20
Vanadium	500.0	501.0	100	80-111	1	20
Zinc	500.0	488.0	98	72-126	1	26

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	151907	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 7470
Analyte:	Mercury	Batch#:	63636
Matrix:	Filtrate	Prepared:	05/15/01
Units:	ug/L	Analyzed:	05/15/01
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC145432	5.000	5.030	101	80-116		
BSD	QC145433	5.000	5.020	100	80-116	0	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	151907	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
Type:	SDUP	Batch#:	63649
MSS Lab ID:	151898-002	Sampled:	05/09/01
Lab ID:	QC145483	Received:	05/10/01
Matrix:	Filtrate	Prepared:	05/15/01
Units:	ug/L	Analyzed:	05/16/01

Analyte	MSS Result	Result	RL	RPD	Lim
Antimony	<60.00	ND	60	NC	29
Arsenic	11.30	8.350	5.0	30	42
Barium	31.30	31.10	10	1	20
Beryllium	<2.000	ND	2.0	NC	20
Cadmium	<5.000	ND	5.0	NC	25
Chromium	<10.00	ND	10	NC	20
Cobalt	<20.00	ND	20	NC	20
Copper	<10.00	ND	10	NC	20
Lead	<3.000	ND	3.0	NC	29
Molybdenum	<20.00	ND	20	NC	20
Nickel	<20.00	ND	20	NC	20
Selenium	11.00	6.120	5.0	57 *	40
Silver	<5.000	ND	5.0	NC	30
Thallium	<5.000	ND	5.0	NC	41
Vanadium	26.40	26.50	10	0	41
Zinc	32.00	32.50	20	2	33

*= Value outside of QC limits; see narrative
NC= Not Calculated
ND= Not Detected
RL= Reporting Limit
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	151907	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 7470
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	63636
Type:	SDUP	Sampled:	05/09/01
MSS Lab ID:	151898-001	Received:	05/10/01
Lab ID:	QC145434	Prepared:	05/15/01
Matrix:	Filtrate	Analyzed:	05/15/01
Units:	ug/L		

MSS Result	Result	RL	RPD	Lim
<0.2000	ND	0.20	NC	22

NC= Not Calculated
ND= Not Detected
RL= Reporting Limit
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	151907	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
Type:	SSPIKE	Batch#:	63649
MSS Lab ID:	151898-002	Sampled:	05/09/01
Lab ID:	QC145484	Received:	05/10/01
Matrix:	Filtrate	Prepared:	05/15/01
Units:	ug/L	Analyzed:	05/16/01

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	44.00	500.0	538.0	99	64-128
Arsenic	11.30	100.0	113.0	102	65-131
Barium	31.30	2,000	1,900	93	75-120
Beryllium	0.7380	50.00	46.20	91	71-124
Cadmium	0.2910	50.00	44.50	88	70-127
Chromium	0.4850	200.0	181.0	90	70-124
Cobalt	3.540	500.0	448.0	89	73-122
Copper	1.390	250.0	241.0	96	74-122
Lead	1.200	100.0	92.20	91	66-128
Molybdenum	5.400	400.0	389.0	96	72-122
Nickel	19.90	500.0	446.0	85	70-126
Selenium	11.00	100.0	99.70	89	65-132
Silver	<0.7200	50.00	35.50	71 *	72-125
Thallium	<2.000	100.0	83.50	84	58-134
Vanadium	26.40	500.0	494.0	94	58-134
Zinc	32.00	500.0	504.0	94	69-129

*= Value outside of QC limits; see narrative

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	151907	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 7470
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	63636
Type:	SSPIKE	Sampled:	05/09/01
MSS Lab ID:	151898-001	Received:	05/10/01
Lab ID:	QC145435	Prepared:	05/15/01
Matrix:	Filtrate	Analyzed:	05/15/01
Units:	ug/L		

MSS Result	Spiked	Result	%REC	Limits
<0.05300	5.000	4.810	96	80-114

Subsurface Consultants, Inc.

FILE COPY

July 31, 2001
SCI 133.018

Mr. Doug Herman
Environmental Health & Safety Compliance Department
Port of Oakland
530 Water Street
Oakland, California 94607

Well Decommission Report
Ninth Avenue Terminal
Port of Oakland
Oakland, California

Dear Mr. Herman:

With this letter, Subsurface Consultants, Inc. (SCI) presents a well decommission report for six groundwater monitoring wells at the Ninth Avenue Terminal (Site) in Oakland, California. These wells, and others have been periodically monitored at the Site in accordance with Alameda County Health Care Services Agency (ACHCSA) requirements. SCI installed five of the six wells (SCIMW-5, SCIMW-14, SCIMW-17, SCIMW-20 and SCIMW-25) between May 1996 and April 1997; the sixth well (MW-1) was installed by others in 1993. Based on a review of the analytical data generated to date SCI petitioned to cease monitoring the subject wells and to decommission them. In a letter dated, July 11, 2001, and subsequent correction letter dated July 27, 2001, ACHCSA approved decommissioning of these wells.

SCI coordinated and provided oversight of field activities to decommission the wells. Initially SCI procured Drilling Permits W01-365 through WO1-370 from the Alameda County Public Works Agency (ACPWA).

Bay Area Exploration, Inc. (BAEi), a licensed drilling contractor, was retained, and conducted well decommissioning activities in general conformance with the ACPWA Drilling Permit requirements as well as California Department of Water Resources (DWR) requirements set forth in DWR Bulletins 74-81 and 74-90. The well decommissioning work was completed on May 30 and 31, 2001. Activities consisted of the following:

3736 Mt. Diablo Boulevard ▫ Suite 200 ▫ Lafayette, California 94549-3659 ▫ 925.299.7960 ▫ FAX 925.299.7970
171 – 12th Street ▫ Suite 202 ▫ Oakland, California 94607-4911 ▫ 510.268.0461 ▫ FAX 510.268.0137
301 River Street ▫ Suite 9 ▫ Napa, California 94559-3416 ▫ 707.257.6993 ▫ FAX 707.257.6995

- BAEi extracted the PVC well casing and then overdrilled each well location to remove the full depth of the well construction materials. Removed well materials were placed in 55-gallon drums, which are currently stored onsite. BAEi backfilled the resulting boreholes with neat cement grout to within approximately 0.5 to 1.0 feet of the adjacent ground surface. Well boreholes MW-1, SCIMW-5, SCIMW-14, and SCIMW-17, were capped with concrete to match the existing grade; well boreholes SCIMW-20 and SCIMW-25 were filled to the top with grout, since they were located in an unpaved rail spur. The wells were checked the following day for any settlement and none was observed.
- Two ballards that protected well SCIMW-5 were removed. The area of the former ballards was filled and capped with concrete at the same time, as the well borehole was backfilled.

In accordance with DWR requirements, SCI has completed Water Well Drilling Reports (DWR-188 form) for each well and has forwarded copies to the appropriate regulatory agencies. Copies of the completed forms are attached.

SCI will coordinate the offsite disposal of soil and well construction materials generated during the well decommissioning work with the Port's waste material contractor.

We believe this provides the information required at this time. Please call if you have any questions.

Yours very truly,

Subsurface Consultants, Inc.

Emily Silverman
Staff Geologist

Jeriann Alexander, PE, REA
Project Manager

ES: JNA:ae 133.018/Letter Well Decommission

1 copy submitted

Attachments: DWR-188 Forms

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	CAL000213428
Manifest Document No.	2 7 1 4 7
2. Page 1 of 1	
Information in the shaded areas is not required by Federal law.	
A. State Manifest Document Number	20827147
B. State Generator's ID	
3. Generator's Name and Mailing Address	PORT OF OAKLAND 530 WATER STREET OAKLAND, CA 94607
4. Generator's Phone	(510) 627-1100
5. Transporter 1 Company Name	FOSS ENVIRONMENTAL SERVICES
6. US EPA ID Number	CAR000003114
C. State Transporter's ID [Reserved.]	
D. Transporter's Phone	(510)749-1390
7. Transporter 2 Company Name	RUST & SONS TRUCKING, INC.
8. US EPA ID Number	CAD981634116
E. State Transporter's ID [Reserved.]	
F. Transporter's Phone	(800)444-6193
9. Designated Facility Name and Site Address	CROSBY & OVERTON, INC. 1630 W. 17TH ST. LONG BEACH, CA 90813
10. US EPA ID Number	CAD028409019
G. State Facility's ID	
H. Facility's Phone	(800)827-6729

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON-RCRA HAZARDOUS WASTE, SOLID (SOIL CUTTINGS)	003	DM	01000	P	State 521 EPA/Other N/R
b. NON-RCRA HAZARDOUS WASTE, LIQUID (PURGE WATER)	006	DM	00330	G	State 134 EPA/Other N/R
c.					State EPA/Other
d.					State EPA/Other

THE REFERENCED WASTE WAS RECEIVED, HANDLED AND STORED FOR SUBSEQUENT OFFSITE DISPOSAL, TREATMENT OR REUSE. CROSBY & OVERTON, INC. OPERATES THE FACILITY UNDER PERMITS GRANTED TO THEM, BY THE DEPARTMENT OF TOXIC SUBSTANCE CONTROL, TOGETHER WITH THE ENVIRONMENTAL PROTECTION AGENCY IN ACCORDANCE WITH THE PROVISIONS OF THE RESOURCE CONSERVATION AND RECOVERY ACT OF 1976 TOGETHER WITH APPLICABLE FEDERAL AND STATE REGULATIONS. CROSBY & OVERTON HAS ALL OF THE NECESSARY PERMITS TO ACCEPT THE REFERENCED WASTE AND ALL THE WASTE HAS BEEN HANDLED ACCORDINGLY

J. Additional Descriptions for Materials Listed Above
A)34383
B)31426

K. Handling Codes for Wastes Listed Above
a. 1403 b. 150 c. d.

15. Special Handling Instructions and Additional Information
WEAR PROPER PPE WHEN HANDLING
FOSS ENVIRONMENTAL SERVICES, INC.-- 24 Hour Emergency Service -- (510)-999-1234
JOB # A1657 PO # A1657-01 TO # 01-CRE-10 WO # 201966

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Jeffrey L. Rubin — AGENT ON BEHALF OF PORT OF OAKLAND | Signature: [signature] | Month 08 Day 13 Year 01

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Sean Kuipers | Signature: [signature] | Month 08 Day 13 Year 01

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Reed Anstine | Signature: [signature] | Month 08 Day 14 Year 01

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: John Armenta | Signature: [signature] | Month 08 Day 16 Year

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS.
(Generators who submit hazardous waste for transport out-of-state, produce completed copy of this copy and send to DTSC within 30 days.)

DTSC 8022A (1/99)
EPA 8700—22