Subsurface Consultants, Inc.

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

Groundwater Monitoring Program Report
2001 Annual Event
Ninth Avenue Terminal
Oakland, California

Dear Mr. Herman:

This report presents the results of the annual groundwater monitoring event conducted in November and December 2001 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 annual event was conducted November 27 through December 10, 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. Free product was observed in wells MW-4 and MW-6 in the immediate vicinity of the KOT 1992 point of release. Approximately 2 gallons of a water and free product mixture was removed from each well using a disposable bailer and placed in a 55-gallon drum, which is stored on-site. Due to the presence of free product, wells MW-4 and MW-6 were 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, twenty-five 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 approximately 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 6.16 and 7.06. These readings are considered within the normal range, when compared to background readings across the Site. The highest pH reading was recorded in well SCIMW-9 at 7.06.

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[1] TDS = Total Dissolved Solids

[2] Eh = Redox potential or oxidizing-reduction potential

[3] DO = dissolved oxygen. Initial DO readings were recorded down-hole.

TDS readings ranged from about 4,552 to 26,600 mg/L during this event. Well SCIMW-8 registered a TDS value of 4,552 mg/L. The highest TDS readings were recorded in Wells SCIMW-7 and SCIMW-31D, which are located near the depressed trackage adjacent to the Lakeside Metals area. Well SCIMW-7 has historically had very low TDS values, likely associated with fresh water intrusion due to runoff of the Site, the higher TDS values may be associated with the decreased amount of runoff prior to the sampling event. 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 0.28 to 6.13. The DO reading from well SCIMW-1 was 0.28 mg/L. This low reading is most likely associated with stagnant water. The highest DO readings were recorded from wells SCIMW-13 and SCIMW-28, at 6.13 and 4.60 mg/L, respectively. High DO readings are an indication that sufficient oxygen exists to promote and support microbial activity. In general, the DO readings of the site wells were lower than during the previous event. This may be associated with little surface runoff infiltrating into the groundwater.

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-3, SCIMW-1, SCIMW-8, SCIMW-10, SCIMW-11, SCIMW-13, SCIMW-15, SCIMW-18, SCIMW-21, SCIMW-22, SCIMW-23, SCIMW-34 and SCIMW-35. The concentrations of TEH in the other wells ranged from 95 parts per billion (ppb) at well SCIMW-28 to 5,800 ppb at well SCIMW-24.
- TEH as motor oil was non-detect in wells MW-2, MW-3, MW-5, SCIMW-1, SCIMW-7. SCIMW-8. SCIMW-10, SCIMW-11, SCIMW-13, SCIMW-15, SCIMW-18, SCIMW-21, SCIMW-23, SCIMW-28, SCIMW-30 and SCIMW-33. TEH as motor oil was detected in wells SCIMW-2 at 360 ppb and SCIMW-24 at 5,000 ppb.
- Chlorinated pesticide analyses were conducted on samples collected from wells SCIMW-7 and SCIMW-33. No chlorinated pesticides have been detected from samples collected from well SCIMW-7 since October 1997. 4-4'-DDE was detected in a sample collected from well SCIMW-33 at a concentration of 1.3 ppb.
- Wells SCIMW-7, SCIMW-30, SCIMW-31D and SCIMW-33 were tested for VOCs. Well SCIMW-7 contained concentrations of cis-1, 1 dichloroethane (1,1 DCA @ 20,000 ppb), cis 1,2 dichloroethene (110,000 ppb), 1,1,1- Trichloroethane (41,000 ppb), trichloroethene (11,000 ppb), benzene (4,500 ppb) and toluene (6,100 ppb). These concentrations have dramatically increased since the October 2000 event. The increased concentrations may be due in part to active mobilization of VOCs at specific groundwater depths. Well SCIMW-33

contained concentrations of chlorobenzene (180 ppb), isopropylbenzene (1.6 ppb), 1,2,4-trimethylbenzene (1.5 ppb), cis-1, 2 dichloroethane (0.8 ppb), 1,4-Dichlorobenzene (1.4 ppb), dichlorobenzene (2.1 ppb), naphthalene (1.4 ppb) and xylenes (9.9 ppb). No detectable concentrations of VOCs were measured in wells SCIMW-31D and SCIMW-34.

- Filtered samples from wells SCIMW-30 and SCIMW-34 were tested for PNAs. No detectable concentrations of PNAs were measured in either well.
- Filtered samples from wells SCIMW-2 and SCIMW-28 were submitted for heavy metal analyses. Well SCIMW-2 contained 12 ppb of arsenic and 110 ppb of barium. Well SCIMW-28 contained 17 ppb of arsenic, 23 ppb of barium, 17 ppb of copper, 89 ppb of lead, and 210 ppb of zinc.
- TVH as gasoline was tested for in wells MW-5, SCIMW-11, SCIMW-24, SCIMW-34, and SCIMW-35. TVH as gasoline was non detectable in samples from wells MW-5, SCIMW-11 and SCIMW-35. A groundwater sample from well SCIMW-24 contained 8,900 ppb of TVH as gasoline.
- 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 1,000 ppb of benzene, 51 ppb of ethylbenzene, 44 ppb of toluene and 57 ppb of xylenes.
- MTBE analyses were conducted on samples from wells MW-3, MW-5, SCIMW-7, SCIMW-21, SCIMW-31D, SCIMW-33 and SCIMW-34. A groundwater samples from well MW-5 contained 0.8 ppb of MTBE. MTBE was not detected in any other 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.

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

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 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. Future activities will include formally closing this well.

- **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.. Future activities at this site, may include investigation of the vertical and lateral extent of impacts and UST removal. However, the timing of these activities is not known, since structures exist in the immediate vicinity of the USTs.

- **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. Future activities at this site, may include investigation of the vertical and lateral

extent of impacts and UST removal. However, the timing of these activities is not known, since structures exist in the immediate vicinity of the USTs.

- **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. Future activities at this site, may include investigation of the vertical and lateral extent of impacts and UST removal. However, the timing of these activities is not known, since structures exist in the immediate vicinity of the USTs.

- **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. Future activities at this site, may include investigation of the vertical and lateral extent of impacts and UST removal. However, the timing of these activities is not known.

RECOMMENDED WELL ABANDONMENT

Based on a review of analytical data generated to date and field conditions SCI recommends that well SCIMW-23 be abandoned. SCIMW-23 is located in the unpaved area near the rail spur on

7th Avenue. Due to the unprotected location of this well and heavy vehicles in the area, the well box and top of casing have become cracked (Photographs included in Appendix D). The well is temporarily covered with a steel plate, however this well should be properly abandoned.

ONGOING MONITORING

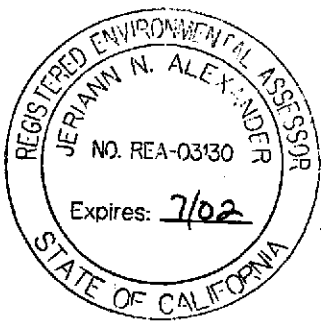
The next groundwater monitoring event is the semi-annual event scheduled to occur in the summer of 2002.

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



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Enclosures:

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 November 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 – Photographs of Well SCIMW-23

Table 1
Groundwater Monitoring Program
Ninth Avenue Terminal, Port of Oakland
November 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
November 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
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Ninth Avenue Terminal, Port of Oakland
November 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	11/27/2001	No Measurements Taken		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				

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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	12/10/2001	7.87	2.31	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	11/27/2001	No Measurements Taken		0.25
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	12/10/2001	5.39	6.45	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	11/27/2001	No Measurements Taken		
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	11/27/2001	4.70	5.43	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	11/27/2001	4.99	5.38	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	11/27/2001	3.69	6.23	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	11/27/2001	6.00	5.87	none
8/25/1997	5.10	6.77	none				
9/25/1997	5.14	6.73	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-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	11/27/2001	4.15	5.88	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	11/27/2001	5.36	5.19	none
12/3/1997	5.29	5.26	none				

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NINTH AVENUE TERMINAL STUDY AREA

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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	11/27/2001	4.98	7.28	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	11/27/2001	5.30	7.51	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	11/27/2001	3.82	7.50	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	11/27/2001	6.71	5.85	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	11/27/2001	3.55	5.94	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	11/27/2001	5.19	5.75	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	--	--	--	11/27/2001	5.79	6.77	none
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	--	--	--	11/27/2001	4.85	8.60	none
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	11/27/2001	3.68	6.72	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	11/27/2001	6.05	4.76	none
10/30/1997	3.97	6.84	none				
12/3/1997	3.85	6.96	none				

TABLE 2
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	11/27/2001	3.62	6.84	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	11/27/2001	2.78	6.89	none
4/27/1998	1.41	8.26	none				

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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-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	11/27/2001	4.65	7.35	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	6/1/1998	--	--	--
6/27/1997	4.10	5.64	none	6/26/1998	--	--	--
7/23/1997	4.43	5.31	none	9/17/1998	4.28	5.46	none
8/25/1997	4.37	5.37	none	12/10/1998	3.35	6.39	none
9/25/1997	--	--	--	5/3/1999	3.65	6.09	none
10/30/1997	4.27	5.47	none	8/25/1999	4.35	5.39	none
12/3/1997	3.24	6.50	none	11/29/1999	4.18	5.56	none
12/30/1997	3.52	6.22	none	4/4/2000	6.95	2.79	none
1/28/1998	3.02	6.72	none	10/3/2000	4.55	5.19	none
3/11/1998	3.32	6.42	none	5/1/2001	3.80	5.94	none
3/30/1998	3.35	6.39	none	11/27/2001	3.58	6.16	none
4/27/1998	--	--	--				
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	11/27/2001	4.37	5.37	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	11/27/2001		Well Inaccessible	
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	11/27/2001	4.76	6.67	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	11/27/2001	5.11	8.19	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	12/10/2001	5.25	7.93	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	11/29/2001	4.75	7.60	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	11/27/2001	7.45	4.47	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	11/27/2001	4.91	7.84	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	11/27/2001	4.39	7.08	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	11/27/2001	6.15	4.78	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	11/27/2001	5.29	4.81	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	11/27/2001	8.48	3.91	none
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-3	SCI	F	12/10/2001	2.31	6.82	--	--	--	--	--	--	14.30	14.30	--	--	--	--	--	--
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
MW-5	SCI	F	12/10/2001	6.45	6.71	--	--	--	--	--	--	14.30	16.40	--	--	--	--	--	--
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	--	18.67	--	--	--	--	--	--	6.10
SCIMW-1	SCI	E/H	11/29/2001	5.38	6.75	--	--	--	--	25,880	--	16.59	16.81	--	--	--	--	--	0.28
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	--	48.0	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	--	15,500	--	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-2	SCI	N	11/29/2001	6.23	6.56	--	--	--	--	22,230	--	18.52	18.26	--	--	--	--	--	2.95
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-3	SCI	I/J	11/28/2001	5.87	6.80	--	--	--	--	7,500	--	20.97	19.42	--	--	--	--	--	6.20
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

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-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**															
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-7	SCI	P/Q	11/29/2001	7.28	6.36	--	--	--	--	26,640	--	19.03	18.72	--	--	--	--	--	1.50
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-8	SCI	I	11/28/2001	7.51	6.93	--	--	--	--	4,552	--	21.03	16.60	--	--	--	--	--	2.08
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-9	SCI	I	11/28/2001	7.50	7.06	--	--	--	--	8,540	--	21.02	20.53	--	--	--	--	--	0.80
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-10	SCI	J	11/29/2001	5.85	6.97	--	--	--	--	23,860	--	21.48	21.10	--	--	--	--	--	1.40
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

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-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-11	SCI	N	11/27/2001	5.94	7.04	--	--	--	--	7,304	--	16.67	14.93	--	--	--	--	--	2.86
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	--	-280.0	--	--	--	--	--	--	--	--	--	--	--	0.10
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	6.60	--	-40.0	-133.5		10,730	--	24.50	22.90	--	--	--	--	--	6.24
SCIMW-13	SCI	J	11/28/2001	6.77	6.78	--	--	--	--	12,310	--	22.51	20.50	--	--	--	--	--	6.13
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-15	SCI	I/J	11/29/2001	8.60	6.55	--	--	--	--	11,380	--	18.12	17.66	--	--	--	--	--	0.38
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

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IN GROUNDWATER
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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	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-18	SCI	L	11/29/2001	4.76	6.75	--	--	--	--	23,330	--	19.70	19.36	--	--	--	--	--	1.63
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	6.80	--	82.4	-7.2	--	995	--	18.99	18.00	--	--	--	--	--	4.30
SCIMW-21	SCI	D	11/29/2001	6.89	6.60	--	--	--	--	16,900	--	18.03	17.77	--	--	--	--	--	1.63
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-22	SCI	P	11/29/2001	7.35	6.16	--	--	--	--	17,910	--	20.22	19.52	--	--	--	--	--	1.35
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
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	18.00	--	--	--	--	--	1.84
SCIMW-23	SCI	B	11/29/2001	6.16	6.73	--	--	--	--	25,350	--	19.57	19.39	--	--	--	--	--	1.17
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

TABLE 3
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NINTH AVENUE TERMINAL STUDY AREA

Subsurface Consultants, Inc.

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-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-24	SCI	N	11/27/2001	5.37	6.93	--	--	--	--	22,450	--	21.37	18.12	--	--	--	--	--	2.76
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-28	SCI	Q	11/29/2001	8.19	6.56	--	--	--	--	22,710	--	16.82	16.75	--	--	--	--	--	4.60
SCIMW-29	SCI	Q	10/4/2000	7.50	6.4	--	64.4	-5.3	--	6,800	--	18.20	17.50	--	--	--	--	--	4.60
SCIMW-29	SCI	Q	12/10/2001	7.93	6.67	--	--	--	--	--	--	16.80	15.60	--	--	--	--	--	--
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-30	SCI	P	11/29/2001	NM	6.41	--	--	--	--	23,220	--	22.21	22.09	--	--	--	--	--	1.32
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-31D	SCI	P	11/29/2001	4.47	6.37	--	--	--	--	26,600	--	21.30	21.04	--	--	--	--	--	4.00
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

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	--	--	--	--	--	--	--	--	--	--	--
MW-2	SCI	F	12/3/2001	NM	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--

TABLE 4
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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	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-3	SCI	F	12/10/2001	2.31	--	--	<50	<300	<0.5	<0.5	<0.5	<0.5	<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														
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														

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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	5/2/2000	8.13	FREE PRODUCT -- NOT SAMPLED														
MW-5	SCI	F	12/10/2001	NM	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	170 l	<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-5	SCI	F/H	12/10/2001	6.45	--	<50	420yh	<300	<0.5	<0.5	<0.5	<0.5	0.8	--	--	--	--	--	--
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														
MW-6	SCI	F	12/3/1999	6.98	FREE PRODUCT -- NOT SAMPLED														

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NINTH AVENUE TERMINAL STUDY AREA

Subsurface Consultants, Inc.

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	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-1	SCI	E/H	12/3/2001	5.38	--	--	<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-2	SCI	N	11/30/2001	6.23	--	--	**1,900hy**	**360yl**	--	--	--	--	--	--	--	--	--	--	--
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-3	SCI	I/J	11/28/2001	5.87	--	--	**120yh**	**500**	--	--	--	--	--	--	--	--	--	--	--
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**	--	--	--	--	--	--	--

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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	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
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-7	SCI	P/Q	11/30/2001	7.28	--	--	**1,900ly**	<300	**4,500**	<3,100	**6,100**	<3,100	<3,100	<0.096	<0.096	<0.096	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-8	SCI	I	11/28/2001	7.51	--	--	<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-9	SCI	I	11/28/2001	7.50	--	--	**140yh**	**830**	--	--	--	--	--	--	--	--	--	--	--
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-10	SCI	J	12/3/2001	5.85	--	--	<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	--	--	--	--	--	--	--

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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)	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-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	--	--	--	--	--	--	--
SCIMW-11	SCI	N	11/28/2001	5.94	--	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
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-13	SCI	J	11/28/2001	6.77	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--

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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-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-15	SCI	I/J	12/3/2001	8.60	--	--	<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	--	--	--	--	--	--	--	--	--	--	--
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-18	SCI	L	12/3/2001	4.76	--	--	<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	--	--	--	--	--	--	--

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-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-21	SCI	D	11/30/2001	6.89	--	--	<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	--	--	--	--	--	--	--	--	--	--	--
SCIMW-22	SCI	P	11/30/2001	7.35	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
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-23	SCI	B	11/30/2001	6.16	--	--	<50	<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**	--	--	--	--	--	--	--

TABLE 4
PETROLEUM HYDROCARBON, BTEX, PESTICIDE AND PCB
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)	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-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-24	SCI	N	11/28/2001	5.37	--	**8,900**	**5,800hly**	**5,000**	**1,000**	**51**	**44**	**57**	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--
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-28	SCI	Q	11/30/2001	8.19	--	--	**95hy**	<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-29	SCI	H	12/10/2001	7.93	--	--	--	--	<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	--	--	--	--	--	--	--

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-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-30	SCI	P	11/30/2001	NM	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--
SCIMW-33	SCI	I/J	11/28/2001	7.08	--	--	**120**	<300	<0.5	<0.5	<0.5	**9.9**	<0.5	**1.3**	<0.5	<0.5	ND	--	--
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	--	--	--	--	--	--

TABLE 4
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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-34	SCI	R	11/30/2001	4.78	--	<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	--	--	--	--	--	--	--
SCIMW-35	SCI	R	11/30/2001	4.81	--	<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
*** = Also detected 0.05ug/L Heptachlor epoxide B

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.

(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-7	SCI	P/Q	11/30/2001	7.28	<13,000	<6,300	<3,100	<3,100	<6,300	**20,000**	<3,100	<3,100	**110,000**	<3,100	<6,300	**41,000**	**11,000**	<6,300	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

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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-30	SCI	P	11/30/2001	7.60	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-31D	SCI	P	10/20/1997	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-31D	SCI	P	11/30/2001	4.47	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-32	SCI	I/P	10/20/1997	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-33	SCI	I/J	11/28/2001	7.08	<10	<10	<0.5	**180**	<1.0	<0.5	<0.5	<0.5	**0.8**	<0.5	<10	<0.5	<0.5	<0.5	c

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	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
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
c = 1.6 ug/L of Isopropylbenzene, 1.5 ug/L of 1,2,4-Trimethylbenzene,
1.4 ug/L of 1,4-Dichlorobenzene, 2.1 ug/L of 1,2-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

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
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	8/25/1996	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	J	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	J	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	J	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-24	SCI	N	11/28/2001	5.37	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	**77**	--	<9.6	--	<9.6
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	--	--

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-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	--	--
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-34	SCI	R	11/30/2001	4.78	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6
SCIMW-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

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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	<10	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	31
SCIMW-2	SCI	Filtered	N	11/30/2001	6.23	<60	12	110	<2.0	<5.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	<20
SCIMW-3	SCI	Unfiltered	I/J	5/23/1996	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-28	SCI	Filtered	Q	11/30/2001	8.19	<60	17	23	<2.0	<5.0	<10	--	<20	17	89	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	210
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	--	--	--	--	--	--	--	--	--

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	4/6/2000	5.50	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
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
SCIMW-34	SCI	Filtered	H	11/30/2001	4.78	--	--	--	--	<5.0	<10	--	--	--	--	--	--	<20	--	--	--	--	--	86

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.

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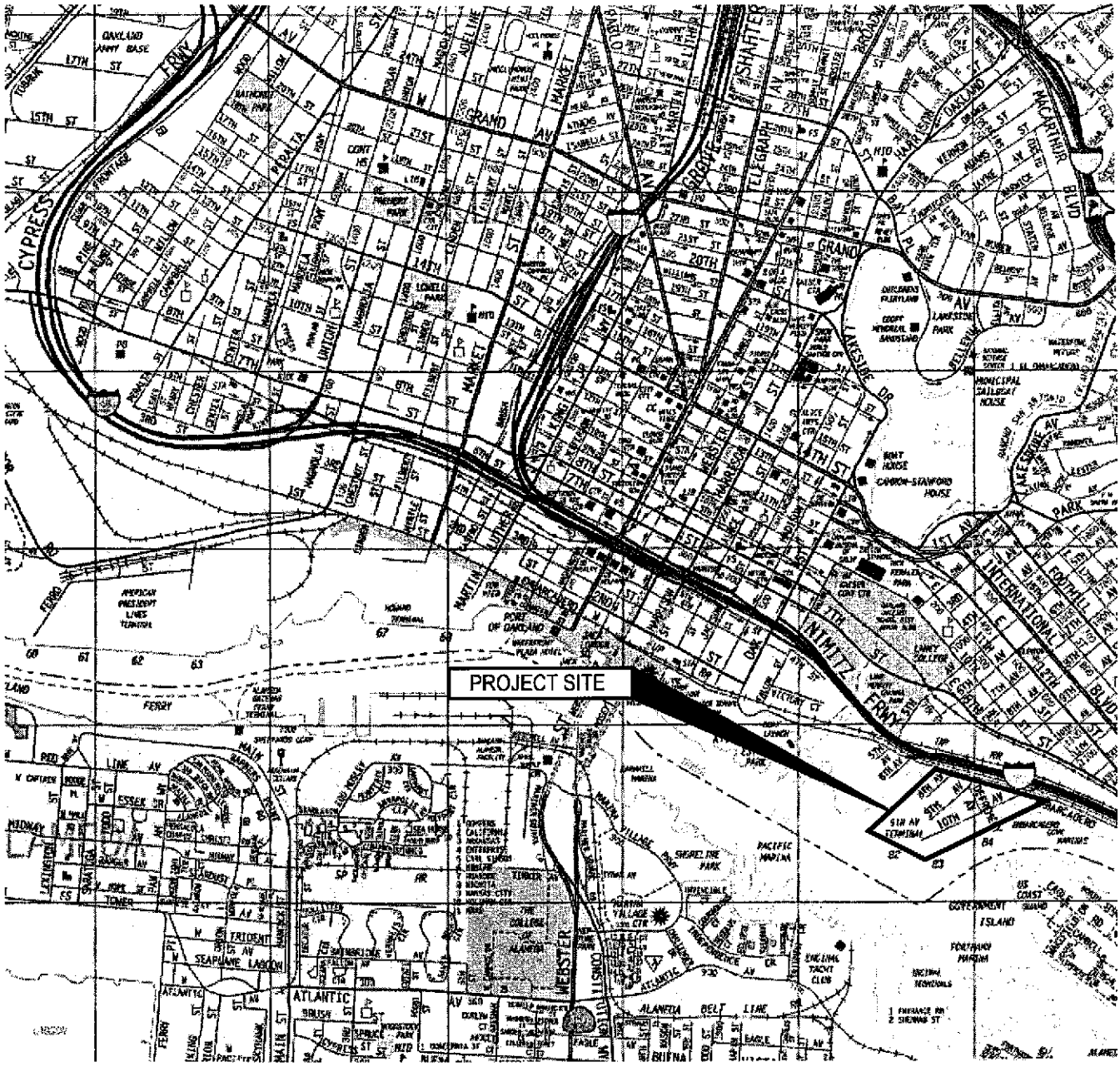

NOTE:

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

SCI Subsurface Consultants, Inc.
Geotechnical & Environmental Engineers

DRAWN BY:	DATE	PLATE
CFY	5/23/02	1
JOB NUMBER	FILE NUMBER:	
133.018	A133.018.01	

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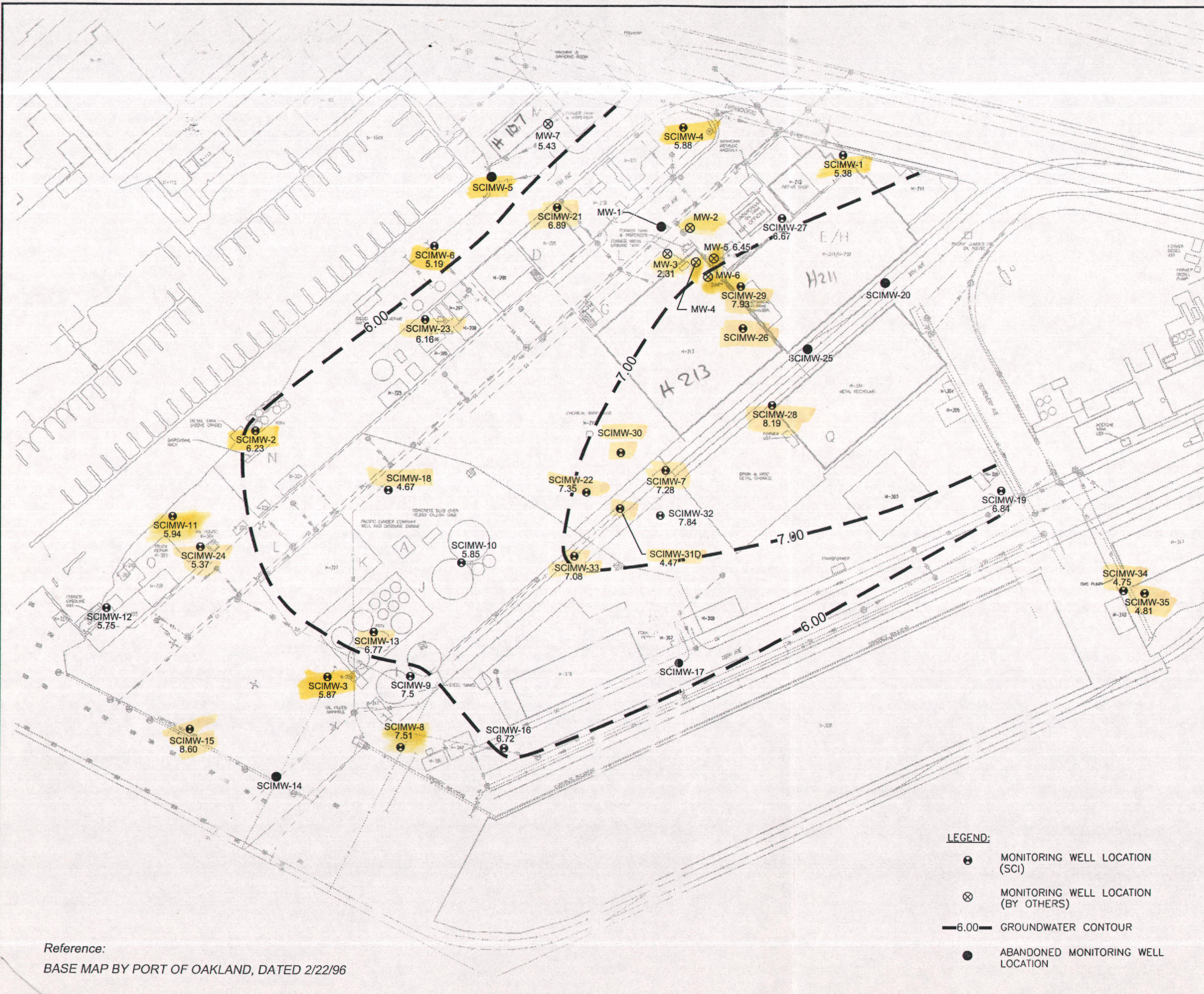

LEGEND:

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

Reference:

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

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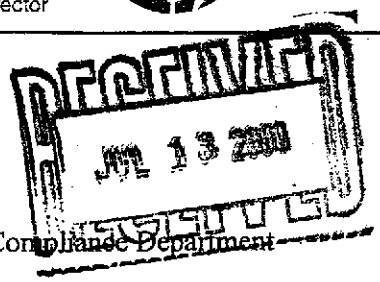
GROUNDWATER ELEVATIONS NOVEMBER 2001

NINTH AVENUE TERMINAL
PORT OF OAKLAND, CALIFORNIA

DRAWN BY: CFY	DATE: 2/6/02
JOB NUMBER 133.018	FILE NUMBER: B133.018.05
SCI 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 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

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

GROUNDWATER DEPTHS

Project Name: 9th Avenue Terminal - Port of Oakland
Job No.: 133.018
Measured by: E. Silverman and W Burnette

Well	Date	Time	Groundwater Depth (feet)	Comments	Well Maintanance Needed?
"Oil Filled Manhole"	27-Nov-01	1215	8.48		
Stormdrain (located next to SCIMW-9)	27-Nov-01	1424	6.84		
MW-2	27-Nov-01				
MW-3	~~27-Nov-01~~ 28/11/01	0955	7.37		
MW-4	27-Nov-01	No measurement			
MW-5	~~28-Nov-01~~ 28/11/01	0955	5.59		
MW-6	27-Nov-01	No measurement			
MW-7	27-Nov-01	1024	4.70		
SCIMW-1	27-Nov-01	11:14	4.99		
SCIMW-2	27-Nov-01	9:57	3.69		
SCIMW-3	27-Nov-01	7:48	1.10		
SCIMW-4	27-Nov-01	1051	4.15		
SCIMW-6	27-Nov-01	1018	5.36		
SCIMW-7	27-Nov-01	1205	4.98		
SCIMW-8	27-Nov-01	1254	5.30		
SCIMW-9	27-Nov-01	1304	3.82		
SCIMW-10	27-Nov-01	1317	6.71		
SCIMW-11	27-Nov-01	8:20	5.55		
SCIMW-12	27-Nov-01	8:14	5.19		
SCIMW-13	27-Nov-01	1308	5.71		
SCIMW-15	27-Nov-01	9:31	4.85		
SCIMW-16	27-Nov-01	1410	3.68		

GROUNDWATER DEPTHS

Project Name: 9th Avenue Terminal - Port of Oakland
Job No.: 133.018
Measured by: E. Silverman and W Burnette

Well	Date	Time	Groundwater Depth (feet)	Comments	Well Maintanance Needed?
SCIMW-18	27-Nov-01	1345	6.05		
SCIMW-19	27-Nov-01	1154	3.62		
SCIMW-21	27-Nov-01	1045	2.78		
SCIMW-22	27-Nov-01	1236	4.65		
SCIMW-23	27-Nov-01	1005	3.58		well cover cracked Need to replace
SCIMW-24	27-Nov-01	8:34	4.37	Strong HC odor.	
SCIMW-26	27-Nov-01	[illegible]	Access blocked		
SCIMW-27	27-Nov-01	1057	4.76		
SCIMW-28	27-Nov-01	1147	5.11		
SCIMW-29	12/10/01 [illegible]	1150	5.05		
SCIMW-30	27-Nov-01				
SCIMW-31	27-Nov-01	1218	7.45		
SCIMW-32	27-Nov-01	1211	4.91		
SCIMW-33	27-Nov-01	1405	4.39		
SCIMW-34	27-Nov-01	1244	6.15		
SCIMW-35	27-Nov-01	1241	5.29		

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 12/10/01
WEATHER:

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

TOTAL DEPTH OF CASING (BTOC): 9.65 FEET
DEPTH TO GROUNDWATER (BTOC): 7.87 FEET
FEET OF WATER IN WELL: 11.78 FEET

CALCULATED PURGE VOLUME: 6.0 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

PURGE METHOD: Disposable 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)	DO (mg/l)	COMMENTS (odor, color, ...)
0	0900	6.59	14.3	2.96	—	26	—	—
2	0904	6.75	15.9	2.66	—	34	—	—
4	0908	6.75	15.6	2.85	—	38	—	—
6	0912	6.82	14.3	2.73	—	43	—	—

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 10.23

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): (12/10/01 10:50)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE

40 ML	LITER
3 / HCl	2 / None
/	/
OTHER	OTHER

ANALYSES: TEH-d, -mo
MTBE - 8260

MISC FIELD OBSERVATIONS:

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / ~~W~~ Burnette
DATE: 11 / 29 /01
WEATHER:

WELL NO.: mw-4
CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): ________ FEET

DEPTH TO GROUNDWATER (BTOC): ________ FEET

FEET OF WATER IN WELL: ________ FEET

FREE PRODUCT: Yes or No ________ inches

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

PURGE METHOD: Disposable 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)	DO (mg/l)	COMMENTS (odor, color, …)
0								

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: ________

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): ________

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE: 6 / HCl (40 ML) 2 / None (LITER)

/ (OTHER) / (OTHER)

ANALYSES:
TVH-g / BTEX - 8015
TEH-d, -mo - 8015
MTBE - 8260

MISC FIELD OBSERVATIONS:

Pulled filter out of well and noticed about 4" - 6" of product in filter [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] product

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 12/10/01
WEATHER:

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

TOTAL DEPTH OF CASING (BTOC): 19.52 FEET
DEPTH TO GROUNDWATER (BTOC): 5.39 FEET
FEET OF WATER IN WELL: 14.13 FEET

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

FREE PRODUCT: Yes or (No) inches

PURGE METHOD: Disposable 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)	DO (mg/l)	COMMENTS (odor, color, ...)
0	10:00	6.59	14.3	1.239	—	27	—	—
3	10:05	6.66	16.0	.200	—	22	—	—
5	10:10	6.69	17.4	1.251	—	29	—	—
7	10:14	6.71	16.4	2.09	—	33	—	—

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 8.22

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 7.49 (12/10/01 10:30)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE: 6 / HCl (40 ML); 2 / None (LITER); / (OTHER); / (OTHER)

ANALYSES: TVH-g / BTEX - 8015
TEH-d, -mo - 8015
MTBE - 8260

MISC FIELD OBSERVATIONS:

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 11 / 29 /01
WEATHER:

WELL NO.: MW-6
CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): _____ FEET

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

DEPTH TO GROUNDWATER (BTOC): _____ FEET

FEET OF WATER IN WELL: _____ FEET

PURGE METHOD: Disposable 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)	DO (mg/l)	COMMENTS (odor, color, ...)
0								

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: _____

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): _____

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE

3 / HCl — 40 ML
2 / None — LITER
/ — OTHER
/ — OTHER

ANALYSES: TVHg / BTEX - 8015
TEH-dg-mo

MISC FIELD OBSERVATIONS: Check for free product first!
Pulled filter out of well and noticed about 4"-6" of product in filter tube.

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 11 / 29 /01
WEATHER:

WELL NO.: SCIMW-1
CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 17.87 FEET

CALCULATED PURGE VOLUME: 6.0 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

DEPTH TO GROUNDWATER (BTOC): 4.99 FEET

FEET OF WATER IN WELL: 12.88 FEET

PURGE METHOD: Disposable Bailer

FREE PRODUCT: Yes or No ______ inches

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

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
0	0953	6.71	16.59	53.41	35.38	-181.6	[illegible]	39823
1	0956	[illegible]	16.85	[illegible]	[illegible]	-330.4	2.22	[illegible]
3	10:01	6.74	16.90	37.93	25.36	-378.7	1.79	39076
6	[illegible]	[illegible]	[illegible]	32.72	[illegible]	[illegible]	2.46	[illegible]

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 7.84

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 7.42 (12/8/01 10:10)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE
40 ML: /
LITER: 2 / None
OTHER: /
OTHER: /

ANALYSES: TEH-d, -mo - 8015

MISC FIELD OBSERVATIONS:

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 11 / 29 /01
WEATHER:

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

TOTAL DEPTH OF CASING (BTOC): 14.55 FEET
DEPTH TO GROUNDWATER (BTOC): 3.69 FEET
FEET OF WATER IN WELL: 10.86 FEET

CALCULATED PURGE VOLUME: 5.0 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

PURGE METHOD: Disposable 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)	DO (mg/l)	SAC COMMENTS (odor, color, ...)
0	13:46	6.54	19.16	29.97	21.85	-133.3	29.5	335141
1	13:49	6.66	19.16	28.58	20.92	-141.2	31.1	322100
3	13:52	6.69	19.04	25.57	18.68	-197.7	1.96	28910
5	13:55	6.76	18.81	27.51	20.11	-227.4	3.36	30832

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 5.85
ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 6.73 (12/03/01 14:10)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE
1 / 40 ML
2 / None LITER
4 / poly - 250 mL OTHER
/ OTHER

ANALYSES: TEH-d, -mo - 8015
17 title 22 metals filtered

MISC FIELD OBSERVATIONS:

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 11 /28 /01
WEATHER:

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

TOTAL DEPTH OF CASING (BTOC): 17.88 FEET

DEPTH TO GROUNDWATER (BTOC): 6.08 FEET

FEET OF WATER IN WELL: FEET

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

PURGE METHOD: Disposable 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)	DO (mg/l)	COMMENTS (odor, color, ...)
0	1002	6.44	20.97	12340	7.30	-6.46	6.2	19,450
2	1006	6.46	20.86	12230	[illegible]	-16.6	3.3	13,664 sheen
4	1010	6.90	21.56	15340	10.75	-49.3	3.4	16,711 23
6	1014	6.80	[illegible]	20900	14.80	-15.8	4.4	22,010

DEPTH TO GROUNDWATER WHEN 80% RECOVERED:

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 8.46 (10:21 11/28/01)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE
/ **40 ML**
2 / None **LITER**
/ **OTHER**
/ **OTHER**

ANALYSES: TEH-d, -mo - 8015

MISC FIELD OBSERVATIONS: Free Product

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 11 / 29 /01
WEATHER:

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

TOTAL DEPTH OF CASING (BTOC): 18.27 FEET

DEPTH TO GROUNDWATER (BTOC): 4.98 FEET

FEET OF WATER IN WELL: 13.29 FEET

FREE PRODUCT: Yes or No ______ inches

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

PURGE METHOD: Disposable Bailer

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

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (μMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	SC	COMMENTS (odor, color, ...)
0	12:52	6.17	19.03	36240	26.64	-144.6	1.50	41031	
1	12:55	6.30	18.95	[illegible]	26.[illegible]	-128.9	1.51	40[illegible]	
3	12:58	6.32	18.90	34708	25.55	-123.0	1.58	[illegible]318	
7	13:27	6.36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 7.67

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 5.39 (1418 11/30/01)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE
3 / HCl — 40 ML
4 / None — LITER
/ — OTHER
/ — OTHER

ANALYSES:
TEH-d, -mo - 8015
VOCs - 8260
Organochlorine Pesticides - 8080

MISC FIELD OBSERVATIONS:

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 11 / 28 /01
WEATHER:

WELL NO.: SCMW-8
CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 18.20 FEET

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

DEPTH TO GROUNDWATER (BTOC): 5.36 FEET

FEET OF WATER IN WELL: _____ FEET

PURGE METHOD: Disposable 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)	DO (mg/l)	COMMENTS (odor, color, ...)
0	1043	6.80	21.03	6326.0	4.552	-58.0	7.08	6841
2	1051	6.84	16.46	7716	5.261	-69.6	11.44	8484
5	1056	6.75	18.59	13134	9.1.90	-103.1	1.99	14296
8	1101	6.93	16.10	18.61	13.24	-104.4	3.02	20514

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: _____

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): (1115 11/28)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE

3 / 40 ML	2 / None LITER
/ OTHER	/ OTHER

ANALYSES: TEH-dg-mo - 8015

SC FIELD OBSERVATIONS: _____

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 11 / 28 /01
WEATHER: windy, cold

WELL NO.: SCIMW-9
CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 18.58 FEET

DEPTH TO GROUNDWATER (BTOC): 3.82 FEET

FEET OF WATER IN WELL: 15.86 FEET

FREE PRODUCT: Yes or No (circled: No) inches

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

PURGE METHOD: Disposable Bailer

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

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	SPC	COMMENTS (odor, color, ...)
0	1200	6.92	21.02	12737	2.04	-42.8	0.80	13063	
2	1206	6.78	21.90	12421	9.1092	-43.7	2.12	13372	Sheen
5	1214	6.95	20.42	17521	11.41	-58.9	2.02	19506	
8	1219	7.06	[illegible]	21700	[illegible]	[illegible]	2.37	22007	H2S odor

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 6.1

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 4.82 (1230 11/28/01)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE

40 ML: /
LITER: 2 / None
OTHER: /
OTHER: /

ANALYSES: TEH-d, -mo - 8015

MISC FIELD OBSERVATIONS:

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 11/29/01
WEATHER:

WELL NO.: SCMW-10
CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 18.33 FEET
DEPTH TO GROUNDWATER (BTOC): 6.71 FEET
FEET OF WATER IN WELL: 11.62 FEET

CALCULATED PURGE VOLUME: 6.0 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

PURGE METHOD: Disposable 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)	DO (mg/l)	COMMENTS (odor, color, ...)
0	12:10	6.64	21.48	31.91	23.86	-185.0	11.0	36834
1	12:14	6.70	21.61	33.26	23.16	-196.5	1.80	35780
3	12:17	6.72	21.51	22.76	22.80	-201.9	2.59	32196
6	12:23	6.97	21.10	21.40	21.95	-188.6	3.24	32685

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 9.03

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 10.07 (12/03/01 12:30)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE

/		2 / None	
40 ML		LITER	
/		/	
OTHER		OTHER	

ANALYSES: TEH-d, -mo - 8015

MISC FIELD OBSERVATIONS:

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 11 / 27 /01
WEATHER:

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

TOTAL DEPTH OF CASING (BTOC): 15.80 FEET

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

DEPTH TO GROUNDWATER (BTOC): 3.55 FEET

FEET OF WATER IN WELL: _____ FEET

PURGE METHOD: Disposable 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)	DO (mg/l)	SPL µS/cm	COMMENTS (odor, color, ...)
0	828	6.43	16.67	96604.0	7.304	342.6	2.86	11301	
2	834	7.05	18.01	102670	8.123	326.5	1.84	12333	[illegible]
4	837	7.11	18.02	107918	8.616	196.8	2.03	12424	clear
6	841	7.04	14.93	108411	8.029	137.3	2.23	12392	yellowish brown

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: _____

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 3.19 (8:50)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE

3 / HCl	2 / None
40 ML	LITER
/	/
OTHER	OTHER

ANALYSES: TVH-g / BTEX - 8015
TEH-d - mo - 8015

MISC FIELD OBSERVATIONS:

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 11 / /01
WEATHER:

WELL NO.: SCI mw-13
CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 18.52 FEET

DEPTH TO GROUNDWATER (BTOC): 5.79 FEET

FEET OF WATER IN WELL: 12.73 FEET

CALCULATED PURGE VOLUME: 6.2 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

PURGE METHOD: Disposable Bailer

FREE PRODUCT: Yes or No ________ inches

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

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
0	1304	6.74	22.31	18074.	17.21	-140.0	6.13	19125
2	1.1.64	6.96	26.51	19244	13.44	-136.4	6.20	[illegible]
4	[illegible]	7.34	20.39	22119	16.01	-176.2	6.98	24417
6	1331	6.78	20.43	22011	16.34	-165.2	6.20	24996

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 9.01

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 8.34. 1415

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE: / (40 ML) 2 / None (LITER)

/ (OTHER) / (OTHER)

ANALYSES: TEH-d, -mo - 8015

MISC FIELD OBSERVATIONS:

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 11 / 29 /01
WEATHER:

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

TOTAL DEPTH OF CASING (BTOC): 15.80 FEET

DEPTH TO GROUNDWATER (BTOC): 4.85 FEET

FEET OF WATER IN WELL: 10.95 FEET

FREE PRODUCT: Yes or No ______ inches

CALCULATED PURGE VOLUME: 5.0 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

PURGE METHOD: Disposable 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)	DO (mg/l)	COMMENTS (odor, color, …)
0	11:30	6.56	18.12	15.19	11.38	-83.0	.58	[illegible]
1	11:33	6.54	[illegible]	11.58	11.76	[illegible]	[illegible]	[illegible]
3	[illegible]	6.56	17.51	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: [illegible]

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): [illegible] (12/3/01 11:50)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE
40 ML: /
LITER: 2 / None
OTHER: /
OTHER: /

ANALYSES: TEH-d, -mo - 8015

MISC FIELD OBSERVATIONS:

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 11 / 29 /01
WEATHER:

WELL NO.: SCIMW-18
CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 18.43 FEET

DEPTH TO GROUNDWATER (BTOC): 5.92 FEET

FEET OF WATER IN WELL: 12.51 FEET

CALCULATED PURGE VOLUME: 6.0 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

PURGE METHOD: Disposable 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)	DO (mg/l)	SPC COMMENTS (odor, color, ...)
0	12:59	6.63	19.70	32.97	23.33	-76.3	1.63	35907
1	13:01	6.67	19.72	21.31	22.64	-103.6	[illegible]	34901
3	13:04	6.70	19.52	29.71	[illegible]	-104.0	30.9	33044
6	13:10	6.75	19.83	[illegible]	[illegible]	-102.9	[illegible]	[illegible]

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 8.42

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 8.00 (12/3/01 13:20)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE
40 ML: /
LITER: 2 / None
OTHER: /
OTHER: /

ANALYSES: TEH-d, -mo -8015

MISC FIELD OBSERVATIONS:

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 11/19/01
WEATHER:

WELL NO.: SCMW-21
CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 17.98 FEET

DEPTH TO GROUNDWATER (BTOC): 2.78 FEET

FEET OF WATER IN WELL: 15.2 FEET

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

PURGE METHOD: Disposable 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)	DO (mg/l)	FAC	COMMENTS (odor, color, ...)
0	11:13	6.44	[illegible]	22551	11.90	-85.6	1.63	25937	
1	[illegible]	6.45	[illegible]	[illegible]	[illegible]	-91.3	[illegible]	[illegible]	
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
7	11:26	6.60	17.77	16968	12.781	-79.5	2.461	19674	

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 5.38

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 8.66 (1331 11/30/01)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE

3 / HCl — 40 ML

2 / NONE — LITER

/ — OTHER

/ — OTHER

ANALYSES: TEH-Cl_2-mo - 8015
MTBE - 8260

MISC FIELD OBSERVATIONS:

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 11/29/01
WEATHER:

WELL NO.: SCMW-22
CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 14.45 FEET

CALCULATED PURGE VOLUME: 5.0 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

DEPTH TO GROUNDWATER (BTOC): 4.65 FEET

FEET OF WATER IN WELL: 9.80 FEET

PURGE METHOD: Disposable 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)	DO (mg/l)	SPL COMMENTS (odor, color, ...)
0	11:57	6.12	illegible	illegible	12.91	illegible.5	1.35	illegible
1	12:02	6.20	19.26	24759	illegible	105.1	1.55	illegible
3	12:04	6.19	19.64	24731	12.96	illegible	2.06	illegible
5	12:07	6.16	19.52	illegible	illegible	illegible	illegible	illegible

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 6.61

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 4.22 (1510 11/30/01)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE

/	2 / None
40 ML	LITER
/	/
OTHER	OTHER

ANALYSES: TEH-d, -mo - 8015

MISC FIELD OBSERVATIONS:

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 11 / 29/01
WEATHER:

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

TOTAL DEPTH OF CASING (BTOC): 17.56 FEET

DEPTH TO GROUNDWATER (BTOC): 3.50 FEET

FEET OF WATER IN WELL: 14.06 FEET

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

PURGE METHOD: Disposable 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)	DO (mg/l)	SPC COMMENTS (odor, color, ...)
0	10:38	6.28	19.57	34856	25.55	-111.6	1.17	39070
1	10:41	6.50	[illegible]	[illegible]	21.14	-120.5	1.45	[illegible]
3	[illegible]	[illegible]	[illegible]	35506	21.50	-152.2	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	21572	22.91	[illegible]	[illegible]	[illegible]

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 6.31

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 9.14 (1300 11/30/01

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE

/ 40 ML

2 / None LITER

/ OTHER

/ OTHER 11-25

ANALYSES: TEH-d, -mo - 8015

MISC FIELD OBSERVATIONS:

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 11 / 27 /01
WEATHER: Windy

WELL NO.: SCMW-24
CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 16.38 FEET
DEPTH TO GROUNDWATER (BTOC): 4.37 FEET
FEET OF WATER IN WELL: _____ FEET

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

PURGE METHOD: Disposable 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)	DO (mg/l)		COMMENTS (odor, color, ...)
0	910	6.54	21.3	32170	22.45	-6.3	2.74	34.08	strong HC odor
2	919	6.41	16.27	4536	2.32	-43.5	3.22	5.06	Sheen
4	923	6.60	17.54	4883.0	2.21	-79.2	3.21	2.13	
6	928	6.63	15.12	5323	3.757	-66.4	2.99	4.34	Sheen

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: _____

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 4.35 (9:40 11/28/01)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE
3 / HCl — 40 ML
4 / None — LITER
/ — OTHER
/ — OTHER

ANALYSES:
TVH-g / BTEX - 8015
TEH-d, -mo - 8015
PNAs - 8270 - to be filtered

MISC FIELD OBSERVATIONS: _____

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 11 / /01
WEATHER:

WELL NO.: SCMW-26
CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): _____ FEET

DEPTH TO GROUNDWATER (BTOC): _____ FEET

FEET OF WATER IN WELL: _____ FEET

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

PURGE METHOD: Disposable 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)	DO (mg/l)	COMMENTS (odor, color, ...)
0								

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: _____

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): _____

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE
3 / HCl — 40 ML
2 / NaOH — LITER
/ — OTHER
/ — OTHER

ANALYSES: TEH-Cl$_2$ -M70 -8015
MTBE - 8260

MISC FIELD OBSERVATIONS: covered w/ water

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 11 / 29/01
WEATHER:

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

TOTAL DEPTH OF CASING (BTOC): 20.20 FEET

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

DEPTH TO GROUNDWATER (BTOC): 5.11 FEET

FEET OF WATER IN WELL: 15.09 FEET

PURGE METHOD: Disposable 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)	DO (mg/l)	COMMENTS (odor, color, ...)
0	0938	6.53	16.32	illegible	illegible	illegible	4.60	illegible
1	0941	6.37	17.05	illegible	illegible	-115.0	1.03	illegible
3	0945	6.42	illegible	illegible	illegible	-102.9	1.93	illegible
7	illegible	illegible	illegible	illegible	illegible	illegible	illegible	illegible

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 8.13

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 5.72 (14:30 11/30/01)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE

/ 40 ML	2 / None LITER
2 / poly - 500 mL OTHER	/ OTHER

ANALYSES: TEH-d, -mo - 8015
17 Title 22 metals - 6010/7000 to Jr. Harvard Area

MISC FIELD OBSERVATIONS:

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 12/10/01
WEATHER:

WELL NO: SCIMW-29
CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 18.75 FEET
DEPTH TO GROUNDWATER (BTOC): 5.25 FEET
FEET OF WATER IN WELL: 13.5 FEET

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

PURGE METHOD: Disposable 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)	DO (mg/l)	COMMENTS (odor, color, ...)
0	11:15	6.54	16.8	1.916	—	25	—	—
3	11:20	6.95	15.2	.437	—	50	—	—
5	11:23	6.75	16.3	1.054	—	45	—	—
7	11:26	6.67	15.6	1.537	—	39	—	—

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 7.75

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 6.23 (12/10/01) 11:45

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE: 3 / HCL — 40 ML; / — LITER; / — OTHER; / — OTHER

ANALYSES: MTBE

MISC FIELD OBSERVATIONS:

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 11/29/01
WEATHER:

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

TOTAL DEPTH OF CASING (BTOC): 14.17 FEET

DEPTH TO GROUNDWATER (BTOC): 11.75 FEET

FEET OF WATER IN WELL: 2.42 FEET

CALCULATED PURGE VOLUME: 5.0 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

PURGE METHOD: Disposable 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)	DO (mg/l)	COMMENTS (odor, color, ...)
0	12:27	6.36	22.21	33821	23.22	-29.2	1.99	35759
1	12:31	6.40	22.22	33798	23.22	-248.7	0.96	35229
3	12:35	6.41	22.09	[illegible]	[illegible]	-246.9	1.21	35270
5								

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 6.63

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 11.82 (1535 11/30/01)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE

40 ML	LITER
3 / HCl	2 / None
/	/
OTHER	OTHER

ANALYSES: TEH-d, -mo - 8015
VOCs - 8260

MISC FIELD OBSERVATIONS:

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 11 / 29 /01
WEATHER:

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

TOTAL DEPTH OF CASING (BTOC): 50.02 FEET

DEPTH TO GROUNDWATER (BTOC): 7.45 FEET

FEET OF WATER IN WELL: 42.57 FEET

CALCULATED PURGE VOLUME: 21 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

PURGE METHOD: Disposable 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)	DO (mg/l)	SC	COMMENTS (odor, color, ...)
0	0910	6.56	21.30	21172	[illegible]	[illegible]	4.00	40937	
7	11:18	6.41	21.20	35536	24.34	-132.5	4.44	38481	
14	11:30	6.32	21.27	34573	22.29	-105.8	1.61	35126	
21	11:43	6.37	21.04	31364	21.24	-76.1	2.02	[illegible]	

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 12.01

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 7.77 (1440 @ 11/30/01)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE: 3 / HCl (40 ML) ; / (LITER) ; / (OTHER) ; / (OTHER)

ANALYSES: VOCs - 8260

MISC FIELD OBSERVATIONS:

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 11 / /01
WEATHER:

WELL NO.: SCTMW-32
CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 15.86 FEET

CALCULATED PURGE VOLUME: 5.16 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

DEPTH TO GROUNDWATER (BTOC): 4.39 FEET

FEET OF WATER IN WELL: 11.47 FEET

PURGE METHOD: Disposable 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)	DO (mg/l)	sp COMMENTS (odor, color, ...)
0		6.74	20.91	10852	7.055	-149.9	3.14	11700
2	1355	6.69	19.29	10977	7.133	-57.8	2.1	11422
4	1401	6.76	20.22	12818	9.082	-92.4	1.9	14080
6	1407	6.8	14.91	24564	17.62	-101.6	2.2	28972

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 6.69

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): (14.58)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE: 3 / HCl (40 ML); 4 / None (LITER); / (OTHER); / (OTHER)

ANALYSES: TEH-cl_2 - 1310 - 8015
VOCs - 8260
Pesticides - 8080

MISC FIELD OBSERVATIONS:

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 11 / 29/01
WEATHER:

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

TOTAL DEPTH OF CASING (BTOC): 14.92 FEET

CALCULATED PURGE VOLUME: 11.0 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

DEPTH TO GROUNDWATER (BTOC): 6.15 FEET

FEET OF WATER IN WELL: 8.77 FEET

PURGE METHOD: Disposable 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)	DO (mg/l)	SP.G. COMMENTS (odor, color, ...)
0	14:32	6.39	17.90	21006	18.06	-49.2	1.92	[illegible]
1	14:41	6.45	17.87	23413	17.64	-53.4	1.78	[illegible]
2	[illegible]	6.49	17.78	22727	17.13	-57.3	1.116	[illegible]
4	[illegible]	6.41	17.50	[illegible]	111.37	-61.1	2.49	[illegible]

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 7.91

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 5.77 (15:17) 11/30/01

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE: 6 / HCl (40 ML) | 4 / None (LITER)

2 / poly - 500 mL (OTHER) | / (OTHER)

ANALYSES: TVH-g / BTEX - 8015
TEH-d$_2$ - mo - 8015
MtBE - 8260
PNAs - 8270 - to be filtered first
Metals - Cd, Cr, Ni, Zn

MISC FIELD OBSERVATIONS:

Subsurface Consultants, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking
JOB NO.: 133.018
SAMPLED BY: E Silverman / W Burnette
DATE: 11 / 29 /01
WEATHER:

WELL NO.: SCMW-35
CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 11.25 FEET

CALCULATED PURGE VOLUME: 3.0 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

DEPTH TO GROUNDWATER (BTOC): 5.29 FEET

FEET OF WATER IN WELL: 5.96 FEET

PURGE METHOD: Disposable 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)	DO (mg/l)	SAC COMMENTS (odor, color, ...)
0	14:00	6.37	19.81	21041	15.21	55.5	[illegible]	[illegible]
1	14:02	6.74	19.59	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	14:05	6.81	19.66	[illegible]	19.23	-179	2.99	[illegible]

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 6.69

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 4.56 (15:40 11/30/01)

SAMPLING METHOD: Disposable Bailer

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

ANALYSES: TVH-g / BTEX - 8015

MISC FIELD OBSERVATIONS:

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

ANALYTICAL REPORT

Prepared for:

Subsurface Consultants
1000 Broadway
Suite 200
Oakland, CA 94607

Date: 28-DEC-01
Lab Job Number: 155721
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: 155721 **Receipt Date:** 11/30/01
Client: Subsurface Consultants, Inc.
Location: Ninth Avenue Terminal
Project#: 133.018

CASE NARRATIVE

This hardcopy data package contains sample and QC results for ten water samples that were received on November 30, 2001. The samples were received cold and intact.

TPH-Purgeable Hydrocarbons by EPA 8015B(M): No analytical problems were encountered.

TPH-Extractable Hydrocarbons by EPA 8015B(M): All samples were silica gel cleaned prior to analysis. No analytical problems were encountered.

Volatile Organics by EPA 8260B: High benzene recoveries were observed in the matrix spike and matrix spike duplicate (QC163945/163946) of batch 68429. The associated laboratory control sample is within acceptance criteria.

Polynuclear Aromatic Hydrocarbons by EPA 8270C: No analytical problems were encountered.

Metals by EPA 6010B and 7470A: Slightly high antimony percent recovery was observed in the blank spike (QC164396) of batch 68545. The relative percent difference for antimony meets acceptance criteria.

High zinc relative percent difference was observed in the sample duplicate (QC164398) of batch 68545. Low thallium percent recovery was observed in the sample spike (QC164399). The associated blank spike and blank spike duplicate meets acceptance criteria. No other analytical problems were encountered.

CHAIN OF CUSTODY

55721

PROJECT NAME: Ninth Avenue Terminal

JOB NUMBER: 133.018 LAB: Curtis & Tompkins

PROJECT CONTACT: E Silverman TURNAROUND: Standard

SAMPLED BY: E Silverman & W Bui REQUESTED BY: E Silverman

LABORATORY I.D. NUMBER	SCI SAMPLE NUMBER	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE	CONTAINERS: Poly	PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES
-	SCIMW-2				3	4			1	X			X	X	X	11	1	30	0	
-2	SCIMW-7				3	4				X			X	X	X	11	1	30	0	
-3	SCIMW-21				3	2				X			X	X	X	11	1	30	0	(1)
-4	SCIMW-22					2							X	X	X	11	1	30	0	
-5	SCIMW-23					2							X	X	X	11	1	30	0	
-6	SCIMW-30				3	2				X			X		X	11	1	30	0	
-7	SCIMW-31D				3					X			X		X	11	1	30	0	(1)
-8	SCIMW-28					2			1				X		X	11	1	30	0	(2)
-9	SCIMW-34				6	4			1	X			X		X	11	1	30	0	
-10	SCIMW-35				3					X			X			11	1	30	0	
																Matrix Spike				

ANALYSIS REQUESTED

TPH-g, BTEX (8015 and 8020)	TPH-d, TPH-mo - using si gel clean up (8015m)	VOCs (8260) - 8240 list	MTBE (8260	CAM 17 Title 22 Metals (6010/7000) - to be filtered	Pesticides (8080) - to be filtered by lab	PNAs (8270) - to be filtered by lab	Cd, Cr, Ni, Zn (water) Zn (soil)	EDF Format	Chromatograms
	X			X				X	X
	X	X			X			X	X
	X		X					X	X
	X							X	X
	X							X	X
	X	X						X	X
	X	X						X	
				X				X	X
X	X		X			X	X	X	X
X							X	X	

CHAIN OF CUSTODY			
RELINQUESHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Emily Silverman	11/30/01	[illegible]	11/30/01 4:45 pm
RELINQUESHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUESHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUESHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

COMMENTS & NOTES:
(1) No preservative in VOAs.
(2) Filter for metals & PNAs first
Bill to Port of Oakland

Subsurface Consultants, Inc.
1000 Broadway, Suite 200 Oakland, CA 94607
510-268-0461 FAX: 510-268-0137
2011 Soscol Ave., Suite 5, Napa, CA 94559
707-257-6993 FAX: 707-257-6995

SOP Volume: Client Services
Section: 1.1.2
Page: 1 of 1
Effective Date: 10-May-99
Revision: 1 Number 3 of 3
Filename: F:\QC\Forms\QC\Cooler.wpd

Curtis & Tompkins, Ltd.

COOLER RECEIPT CHECKLIST

Login#: 155721 Date Received: 11/30/01 Number of Coolers: 1
Client: SCL Project: 133.016

A. Preliminary Examination Phase
Date Opened: 11/30 By (print): Justin (sign)

1. Did cooler come with a shipping slip (airbill, etc.)? YES NO
If YES, enter carrier name and airbill number:
2. Were custody seals on outside of cooler? YES NO
How many and where? Seal date: Seal name:
3. Were custody seals unbroken and intact at the date and time of arrival? YES NO
4. Were custody papers dry and intact when received? YES NO
5. Were custody papers filled out properly (ink, signed, etc.)? YES NO
6. Did you sign the custody papers in the appropriate place? YES NO
7. Was project identifiable from custody papers? YES NO
If YES, enter project name at the top of this form.
8. If required, was sufficient ice used? Samples should be 2-6 degrees C. YES NO
Type of ice: Wet Temperature: Chilled

B. Login Phase
Date Logged In: 12/3 By (print): Justin (sign)

1. Describe type of packing in cooler: N/A
2. Did all bottles arrive unbroken? YES NO
3. Were labels in good condition and complete (ID, date, time, signature, etc.)? YES NO
4. Did bottle labels agree with custody papers? YES NO
5. Were appropriate containers used for the tests indicated? YES NO
6. Were correct preservatives added to samples? YES NO
7. Was sufficient amount of sample sent for tests indicated? YES NO
8. Were bubbles absent in VOA samples? If NO, list sample Ids below. YES NO
9. Was the client contacted concerning this sample delivery? YES NO
If YES, give details below.
Who was called? By whom? Date:

Additional Comments: Broken On Arrive

11/30 JRM

133.018
SCMW-23
ES 11/3

Broken

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	8015B(M)
Matrix:	Water	Sampled:	11/30/01
Units:	ug/L	Received:	11/30/01
Diln Fac:	1.000	Analyzed:	12/05/01
Batch#:	68483		

Field ID: SCIMW-34 Lab ID: 155721-009
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	59-135
Bromofluorobenzene (FID)	97	60-140

Field ID: SCIMW-35 Lab ID: 155721-010
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	59-135
Bromofluorobenzene (FID)	102	60-140

Type: BLANK Lab ID: QC164166

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	93	59-135
Bromofluorobenzene (FID)	93	60-140

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8021B
Matrix:	Water	Sampled:	11/30/01
Units:	ug/L	Received:	11/30/01
Diln Fac:	1.000	Analyzed:	12/05/01
Batch#:	68483		

Field ID: SCIMW-34 Lab ID: 155721-009
Type: SAMPLE

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)	96	56-142
Bromofluorobenzene (PID)	91	55-149

Field ID: SCIMW-35 Lab ID: 155721-010
Type: SAMPLE

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)	95	56-142
Bromofluorobenzene (PID)	92	55-149

Type: BLANK Lab ID: QC164166

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)	89	56-142
Bromofluorobenzene (PID)	81	55-149

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	8015B(M)
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC164167	Batch#:	68483
Matrix:	Water	Analyzed:	12/05/01
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,963	98	73-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	126	59-135
Bromofluorobenzene (FID)	92	60-140

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	8015B(M)
Field ID:	ZZZZZZZZZZ	Batch#:	68483
MSS Lab ID:	155649-017	Sampled:	11/27/01
Matrix:	Water	Received:	11/27/01
Units:	ug/L	Analyzed:	12/05/01
Diln Fac:	1.000		

Type: MS Lab ID: QC164170

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	22.43	2,000	2,000	99	65-131

Surrogate	%REC	Limits
Trifluorotoluene (FID)	129	59-135
Bromofluorobenzene (FID)	102	60-140

Type: MSD Lab ID: QC164171

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,928	95	65-131	4	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	127	59-135
Bromofluorobenzene (FID)	101	60-140

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8021B
Matrix:	Water	Batch#:	68483
Units:	ug/L	Analyzed:	12/05/01
Diln Fac:	1.000		

Type: BS Lab ID: QC164168

Analyte	Spiked	Result	%REC	Limits
Benzene	20.00	19.93	100	67-117
Toluene	20.00	19.10	95	69-117
Ethylbenzene	20.00	19.10	95	68-124
m,p-Xylenes	40.00	40.06	100	70-125
o-Xylene	20.00	20.90	104	65-129

Surrogate	%REC	Limits
Trifluorotoluene (PID)	93	56-142
Bromofluorobenzene (PID)	85	55-149

Type: BSD Lab ID: QC164169

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	20.00	19.55	98	67-117	2	20
Toluene	20.00	18.12	91	69-117	5	20
Ethylbenzene	20.00	18.64	93	68-124	2	20
m,p-Xylenes	40.00	38.49	96	70-125	4	20
o-Xylene	20.00	20.24	101	65-129	3	20

Surrogate	%REC	Limits
Trifluorotoluene (PID)	92	56-142
Bromofluorobenzene (PID)	84	55-149

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	8015B(M)
Matrix:	Water	Sampled:	11/30/01
Units:	ug/L	Received:	11/30/01
Diln Fac:	1.000	Prepared:	12/05/01
Batch#:	68517		

ield ID:	SCIMW-2	Analyzed:	12/07/01
ype:	SAMPLE	Cleanup Method:	EPA 3630C
ab ID:	155721-001		

Analyte	Result	RL
Diesel C10-C24	1,900 H Y	50
Motor Oil C24-C36	360 L Y	300

Surrogate	%REC	Limits
Hexacosane	79	44-121

ield ID:	SCIMW-7	Analyzed:	12/07/01
ype:	SAMPLE	Cleanup Method:	EPA 3630C
ab ID:	155721-002		

Analyte	Result	RL
Diesel C10-C24	190 L Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	83	44-121

'ield ID:	SCIMW-21	Analyzed:	12/07/01
'ype:	SAMPLE	Cleanup Method:	EPA 3630C
ab ID:	155721-003		

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

Surrogate	%REC	Limits
Hexacosane	74	44-121

'ield ID:	SCIMW-22	Analyzed:	12/07/01
'ype:	SAMPLE	Cleanup Method:	EPA 3630C
ab ID:	155721-004		

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

Surrogate	%REC	Limits
Hexacosane	86	44-121

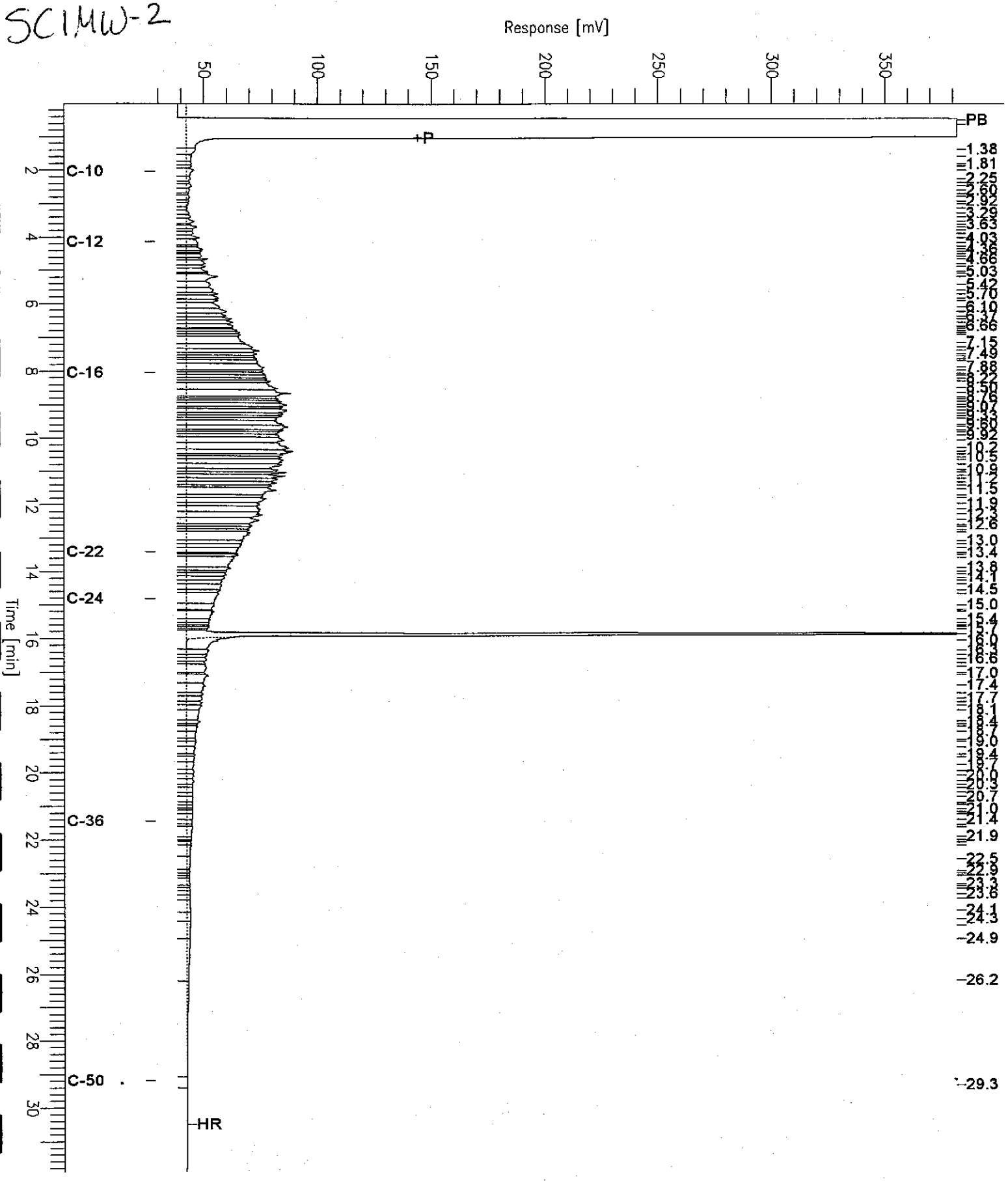
H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits fuel pattern which does not resemble standard
D= Not Detected
L= Reporting Limit

Chromatogram

Sample Name : 155721-001sg,68517
FileName : G:\GC15\CHB\340B020.RAW
Method : BTEH331.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 29 mV

Sample #: 68517 Page 1 of 1
Date : 12/07/2001 07:36 AM
Time of Injection: 12/07/2001 04:44 AM
Low Point : 28.56 mV High Point : 381.87 mV
Plot Scale: 353.3 mV

SC1MW-2

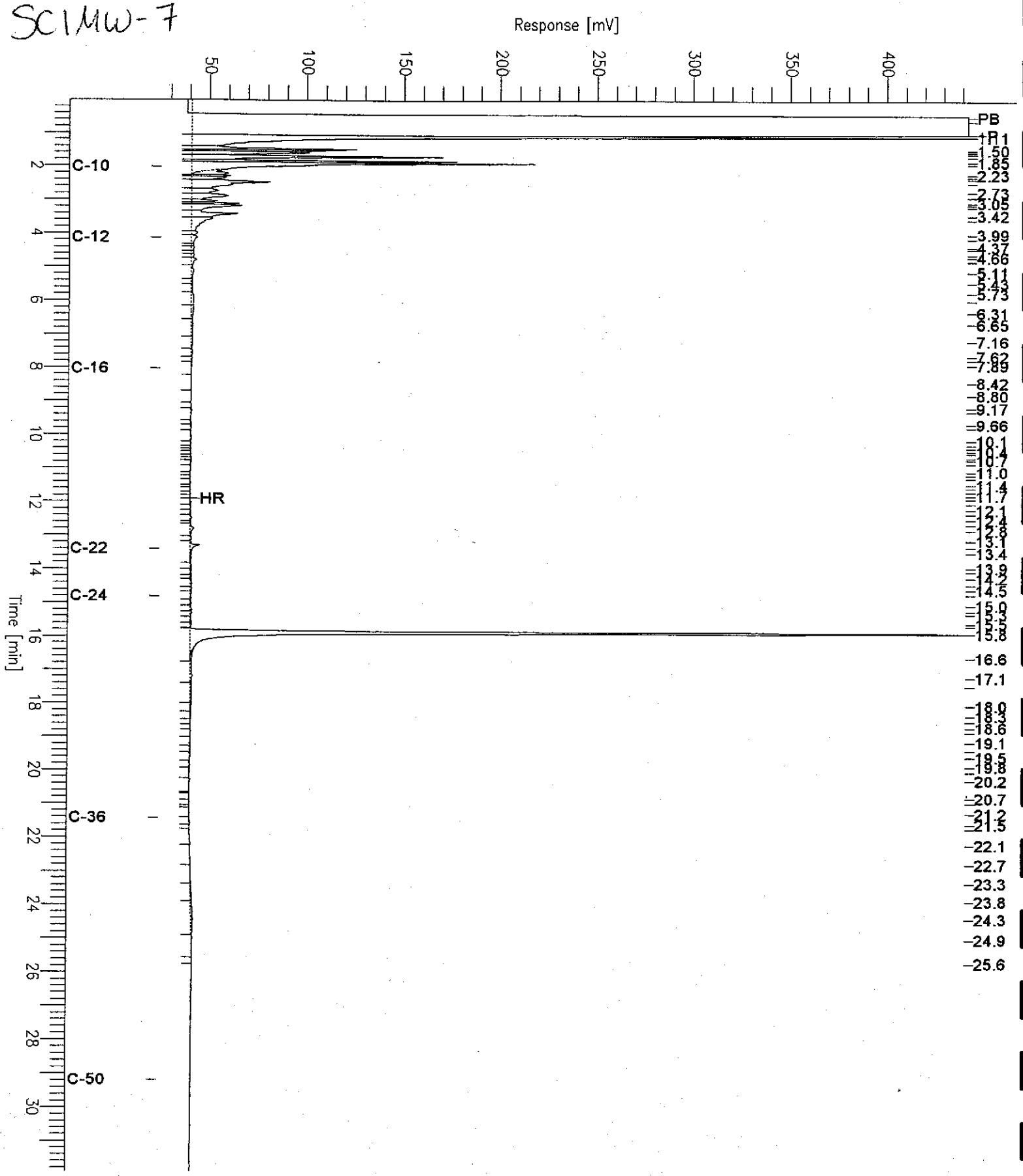


Chromatogram

Sample Name : 155721-002sg,68517
FileName : G:\GC15\CHB\340B021.RAW
Method : BTEH331.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 25 mV

Sample #: 68517 Page 1 of 1
Date : 12/07/2001 07:38 AM
Time of Injection: 12/07/2001 05:25 AM
Low Point : 24.60 mV High Point : 442.52 mV
Plot Scale: 417.9 mV

SC1MW-7



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	8015B(M)
Matrix:	Water	Sampled:	11/30/01
Units:	ug/L	Received:	11/30/01
Diln Fac:	1.000	Prepared:	12/05/01
Batch#:	68517		

Field ID: SCIMW-23
Type: SAMPLE
Lab ID: 155721-005
Analyzed: 12/07/01
Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	77	44-121

Field ID: SCIMW-30
Type: SAMPLE
Lab ID: 155721-006
Analyzed: 12/07/01
Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	91	44-121

Field ID: SCIMW-28
Type: SAMPLE
Lab ID: 155721-008
Analyzed: 12/07/01
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	95 H Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	77	44-121

Field ID: SCIMW-34
Type: SAMPLE
Lab ID: 155721-009
Analyzed: 12/07/01
Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	106	44-121

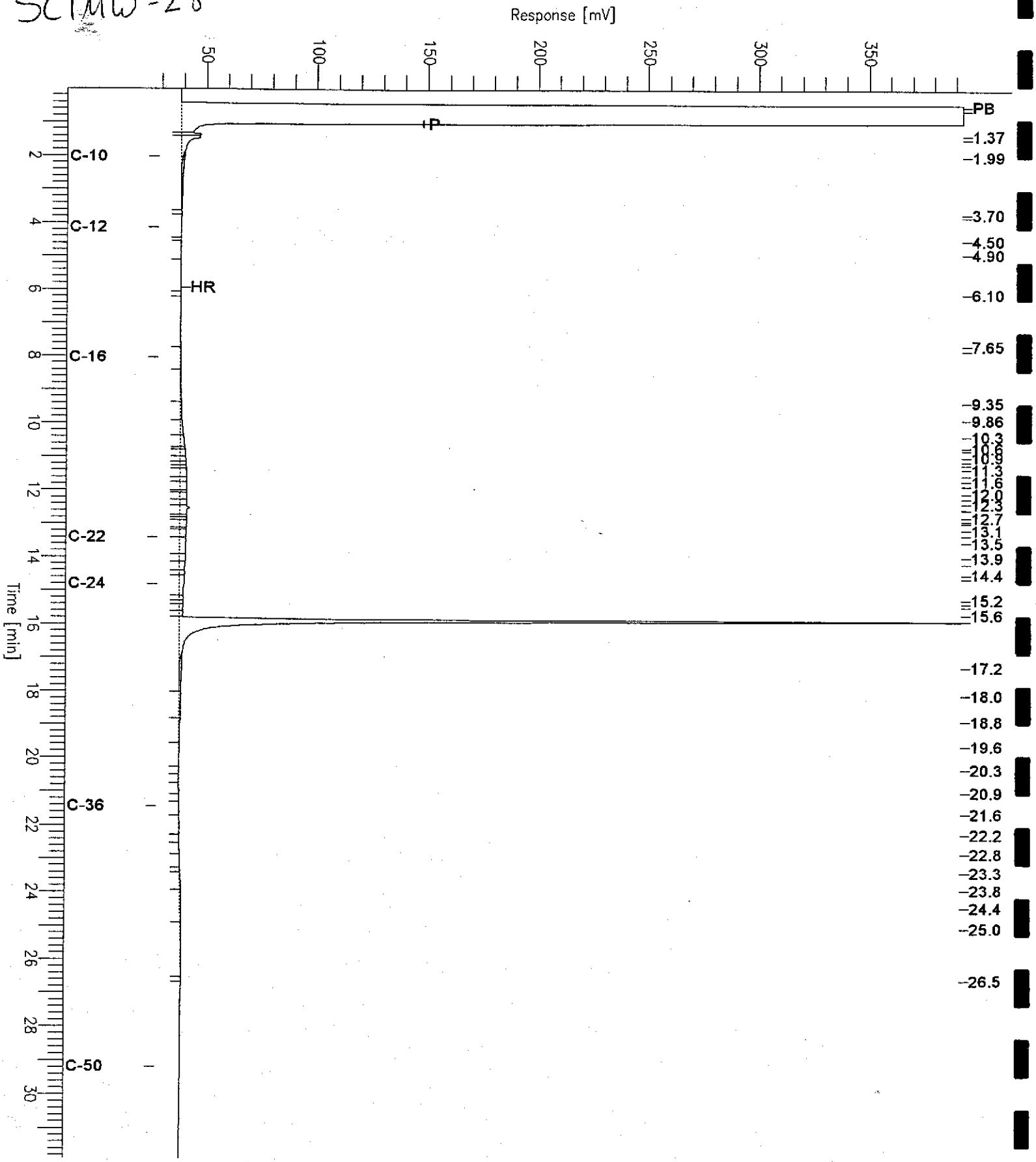
H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits fuel pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Chromatogram

Sample Name : 155721-008sg,68517
FileName : G:\GC15\CHB\340B026.RAW
Method : BTEH331.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 28 mV

Sample #: 68517 Page 1 of 1
Date : 12/07/2001 09:43 AM
Time of Injection: 12/07/2001 08:48 AM
Low Point : 28.16 mV High Point : 393.03 mV
Plot Scale: 364.9 mV

SCIMW-28

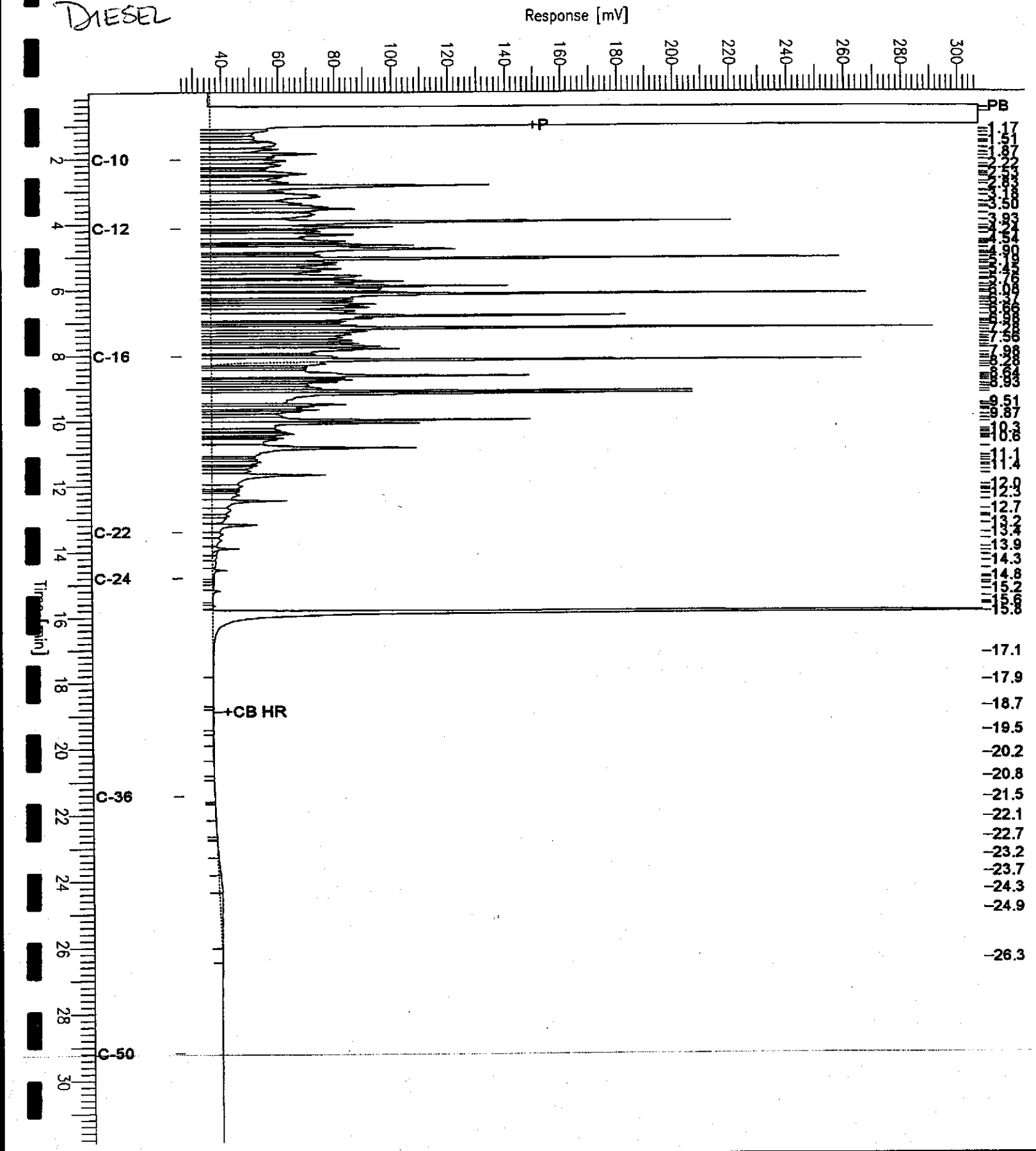


Chromatogram

mple Name : ccv,01ws2062,dsl
leName : G:\GC15\CHB\340B002.RAW
Method : BTEH331.MTH
Start Time : 0.01 min End Time : 31.91 min
ale Factor: 0.0 Plot Offset: 25 mV

Sample #: 500mg/L Page 1 of 1
Date : 12/06/2001 11:31 AM
Time of Injection: 12/06/2001 10:01 AM
Low Point : 25.35 mV High Point : 307.46 mV
Plot Scale: 282.1 mV

DIESEL

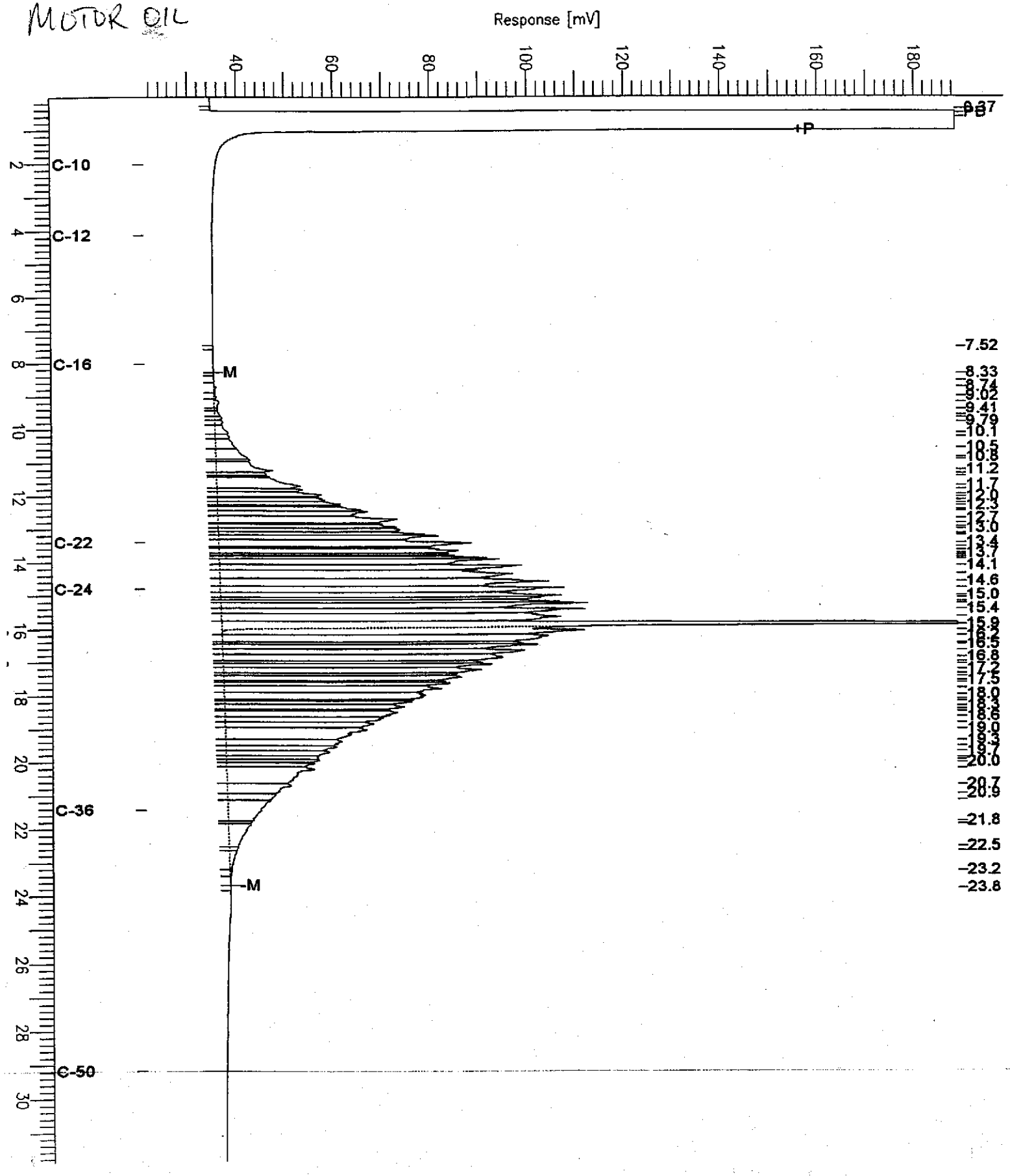


Chromatogram

)le Name : ccv,01ws2115,mo
)Name : G:\GC15\CHB\340B003.RAW
)od : BTEH331.MTH
:t Time : 0.01 min End Time : 31.91 min
.e Factor: 0.0 Plot Offset: 21 mV

Sample #: 500mg/L Page 1 of 1
Date : 12/06/2001 11:33 AM
Time of Injection: 12/06/2001 10:41 AM
Low Point : 20.79 mV High Point : 188.61 mV
Plot Scale: 167.8 mV

MOTOR OIL



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	8015B(M)
Matrix:	Water	Sampled:	11/30/01
Units:	ug/L	Received:	11/30/01
Diln Fac:	1.000	Prepared:	12/05/01
Batch#:	68517		

Type:	BLANK	Analyzed:	12/06/01
Lab ID:	QC164300	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	91	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 #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	8015B(M)
Matrix:	Water	Batch#:	68517
Units:	ug/L	Prepared:	12/05/01
Diln Fac:	1.000	Analyzed:	12/06/01

Type: BS
Lab ID: QC164301

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,901	76	45-110

Surrogate	%REC	Limits
Hexacosane	78	44-121

Type: BSD
Lab ID: QC164302

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,142	86	45-110	12	22

Surrogate	%REC	Limits
Hexacosane	86	44-121

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Field ID:	SCIMW-21	Batch#:	68426
Lab ID:	155721-003	Sampled:	11/30/01
Matrix:	Water	Received:	11/30/01
Units:	ug/L	Analyzed:	12/04/01
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	107	78-123
Toluene-d8	89	80-110
Bromofluorobenzene	91	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Field ID:	SCIMW-34	Batch#:	68426
Lab ID:	155721-009	Sampled:	11/30/01
Matrix:	Water	Received:	11/30/01
Units:	ug/L	Analyzed:	12/04/01
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	110	78-123
Toluene-d8	91	80-110
Bromofluorobenzene	91	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC163938	Batch#:	68426
Matrix:	Water	Analyzed:	12/03/01
Units:	ug/L		

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	102	78-123
Toluene-d8	87	80-110
Bromofluorobenzene	91	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC163939	Batch#:	68426
Matrix:	Water	Analyzed:	12/03/01
Units:	ug/L		

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	112	78-123
Toluene-d8	92	80-110
Bromofluorobenzene	93	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	68426
Units:	ug/L	Analyzed:	12/03/01
Diln Fac:	1.000		

Type: BS Lab ID: QC163936

Analyte	Spiked	Result	%REC	Limits
MTBE	50.00	45.88	92	50-150

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	109	78-123
Toluene-d8	91	80-110
Bromofluorobenzene	90	80-115

Type: BSD Lab ID: QC163937

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	50.00	47.05	94	50-150	3	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	106	78-123
Toluene-d8	92	80-110
Bromofluorobenzene	91	80-115

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Field ID:	SCIMW-7	Batch#:	68429
Lab ID:	155721-002	Sampled:	11/30/01
Matrix:	Water	Received:	11/30/01
Units:	ug/L	Analyzed:	12/04/01
Diln Fac:	625.0		

Analyte	Result	RL
Chloromethane	ND	6,300
Vinyl Chloride	ND	6,300
Bromomethane	ND	6,300
Chloroethane	ND	6,300
Trichlorofluoromethane	ND	3,100
Acetone	ND	13,000
Freon 113	ND	3,100
1,1-Dichloroethene	ND	3,100
Methylene Chloride	ND	13,000
Carbon Disulfide	ND	3,100
MTBE	ND	3,100
trans-1,2-Dichloroethene	ND	3,100
Vinyl Acetate	ND	31,000
1,1-Dichloroethane	20,000	3,100
2-Butanone	ND	6,300
cis-1,2-Dichloroethene	110,000	3,100
Chloroform	ND	3,100
1,1,1-Trichloroethane	41,000	3,100
Carbon Tetrachloride	ND	3,100
1,2-Dichloroethane	ND	3,100
Benzene	4,500	3,100
Trichloroethene	11,000	3,100
1,2-Dichloropropane	ND	3,100
Bromodichloromethane	ND	3,100
4-Methyl-2-Pentanone	ND	6,300
cis-1,3-Dichloropropene	ND	3,100
Toluene	6,100	3,100
trans-1,3-Dichloropropene	ND	3,100
1,1,2-Trichloroethane	ND	3,100
2-Hexanone	ND	6,300
Tetrachloroethene	ND	3,100
Dibromochloromethane	ND	3,100
Chlorobenzene	ND	3,100
Ethylbenzene	ND	3,100
m,p-Xylenes	ND	3,100
o-Xylene	ND	3,100
Styrene	ND	3,100
Bromoform	ND	3,100
1,1,2,2-Tetrachloroethane	ND	3,100

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	95	78-123
Toluene-d8	92	80-110
Bromofluorobenzene	98	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Field ID:	SCIMW-30	Batch#:	68429
Lab ID:	155721-006	Sampled:	11/30/01
Matrix:	Water	Received:	11/30/01
Units:	ug/L	Analyzed:	12/03/01
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	100	78-123
Toluene-d8	96	80-110
Bromofluorobenzene	103	80-115

D= Not Detected
L= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Field ID:	SCIMW-31D	Batch#:	68429
Lab ID:	155721-007	Sampled:	11/30/01
Matrix:	Water	Received:	11/30/01
Units:	ug/L	Analyzed:	12/03/01
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	100	78-123
Toluene-d8	97	80-110
Bromofluorobenzene	101	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC163943	Batch#:	68429
Matrix:	Water	Analyzed:	12/03/01
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC163944	Batch#:	68429
Matrix:	Water	Analyzed:	12/03/01
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC163942	Batch#:	68429
Matrix:	Water	Analyzed:	12/03/01
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	58.69	117	74-132
Benzene	50.00	57.15	114	80-116
Trichloroethene	50.00	48.98	98	80-119
Toluene	50.00	50.47	101	80-120
Chlorobenzene	50.00	51.78	104	80-117

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	92	78-123
Toluene-d8	96	80-110
Bromofluorobenzene	95	80-115

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	68429
MSS Lab ID:	155644-006	Sampled:	11/21/01
Matrix:	Water	Received:	11/27/01
Units:	ug/L	Analyzed:	12/03/01
Diln Fac:	1.000		

Type: MS Lab ID: QC163945

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	0.5389	50.00	62.40	124	70-132
Benzene	<0.2700	50.00	58.75	118 *	80-114
Trichloroethene	7.549	50.00	54.85	95	62-137
Toluene	<0.2600	50.00	53.09	106	79-121
Chlorobenzene	<0.2800	50.00	52.25	104	80-117

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	94	78-123
Toluene-d8	99	80-110
Bromofluorobenzene	95	80-115

Type: MSD Lab ID: QC163946

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	59.73	118	70-132	4	20
Benzene	50.00	57.57	115 *	80-114	2	20
Trichloroethene	50.00	54.69	94	62-137	0	20
Toluene	50.00	51.93	104	79-121	2	20
Chlorobenzene	50.00	53.03	106	80-117	1	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	92	78-123
Toluene-d8	99	80-110
Bromofluorobenzene	98	80-115

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	EPA 8270C
Field ID:	SCIMW-34	Batch#:	68471
Lab ID:	155721-009	Sampled:	11/30/01
Matrix:	Filtrate	Received:	11/30/01
Units:	ug/L	Prepared:	12/04/01
Diln Fac:	1.000	Analyzed:	12/06/01

Analyte	Result	RL
Naphthalene	ND	9.6
Acenaphthylene	ND	9.6
Acenaphthene	ND	9.6
Fluorene	ND	9.6
Phenanthrene	ND	9.6
Anthracene	ND	9.6
Fluoranthene	ND	9.6
Pyrene	ND	9.6
Benzo(a)anthracene	ND	9.6
Chrysene	ND	9.6
Benzo(b)fluoranthene	ND	9.6
Benzo(k)fluoranthene	ND	9.6
Benzo(a)pyrene	ND	9.6
Indeno(1,2,3-cd)pyrene	ND	9.6
Dibenz(a,h)anthracene	ND	9.6
Benzo(g,h,i)perylene	ND	9.6

Surrogate	%REC	Limits
Nitrobenzene-d5	64	34-126
2-Fluorobiphenyl	61	30-121
Terphenyl-d14	43	15-142

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC164123	Batch#:	68471
Matrix:	Water	Prepared:	12/04/01
Units:	ug/L	Analyzed:	12/06/01

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	71	34-126
2-Fluorobiphenyl	68	30-121
Terphenyl-d14	67	15-142

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	EPA 8270C
Matrix:	Water	Batch#:	68471
Units:	ug/L	Prepared:	12/04/01
Diln Fac:	1.000	Analyzed:	12/06/01

Type: BS Lab ID: QC164124

Analyte	Spiked	Result	%REC	Limits
Acenaphthene	50.00	33.51	67	42-113
Pyrene	50.00	32.16	64	42-116

Surrogate	%REC	Limits
Nitrobenzene-d5	65	34-126
2-Fluorobiphenyl	61	30-121
Terphenyl-d14	62	15-142

Type: BSD Lab ID: QC164125

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Acenaphthene	50.00	33.78	68	42-113	1	20
Pyrene	50.00	33.88	68	42-116	5	20

Surrogate	%REC	Limits
Nitrobenzene-d5	67	34-126
2-Fluorobiphenyl	61	30-121
Terphenyl-d14	66	15-142

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	EPA 8081A
Field ID:	SCIMW-7	Batch#:	68473
Lab ID:	155721-002	Sampled:	11/30/01
Matrix:	Water	Received:	11/30/01
Units:	ug/L	Prepared:	12/04/01
Diln Fac:	1.000	Analyzed:	12/05/01

Analyte	Result	RL
alpha-BHC	ND	0.048
beta-BHC	ND	0.048
gamma-BHC	ND	0.048
delta-BHC	ND	0.048
Heptachlor	ND	0.048
Aldrin	ND	0.048
Heptachlor epoxide B	ND	0.048
Heptachlor epoxide A	ND	0.048
Endosulfan I	ND	0.048
Dieldrin	ND	0.096
4,4'-DDE	ND	0.096
Endrin	ND	0.096
Endosulfan II	ND	0.096
Endosulfan sulfate	ND	0.096
4,4'-DDD	ND	0.096
Endrin aldehyde	ND	0.096
4,4'-DDT	ND	0.096
alpha-Chlordane	ND	0.048
gamma-Chlordane	ND	0.048
Methoxychlor	ND	0.48
Toxaphene	ND	0.96

Surrogate	%REC	Limits
TCMX	66	27-116
Decachlorobiphenyl	19	15-110

D= Not Detected
L= Reporting Limit

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC164129	Batch#:	68473
Matrix:	Water	Prepared:	12/04/01
Units:	ug/L	Analyzed:	12/05/01

Analyte	Result	RL
alpha-BHC	ND	0.050
beta-BHC	ND	0.050
gamma-BHC	ND	0.050
delta-BHC	ND	0.050
Heptachlor	ND	0.050
Aldrin	ND	0.050
Heptachlor epoxide B	ND	0.050
Heptachlor epoxide A	ND	0.050
Endosulfan I	ND	0.050
Dieldrin	ND	0.10
4,4'-DDE	ND	0.10
Endrin	ND	0.10
Endosulfan II	ND	0.10
Endosulfan sulfate	ND	0.10
4,4'-DDD	ND	0.10
Endrin aldehyde	ND	0.10
4,4'-DDT	ND	0.10
alpha-Chlordane	ND	0.050
gamma-Chlordane	ND	0.050
Methoxychlor	ND	0.50
Toxaphene	ND	1.0

Surrogate	%REC	Limits
TCMX	91	27-116
Decachlorobiphenyl	69	15-110

D= Not Detected
L= Reporting Limit

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	EPA 8081A
Matrix:	Water	Batch#:	68473
Units:	ug/L	Prepared:	12/04/01
Diln Fac:	2.000	Analyzed:	12/05/01

ype: BS Lab ID: QC164130

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	0.5000	0.5452	109	42-140
Heptachlor	0.5000	0.5009	100	34-132
Aldrin	0.5000	0.4191	84	36-123
Dieldrin	0.5000	0.4603	92	44-119
Endrin	0.5000	0.5451	109	48-137
4,4'-DDT	0.5000	0.5961	119	39-127

Surrogate	%REC	Limits
TCMX	110	27-116
Decachlorobiphenyl	87	15-110

ype: BSD Lab ID: QC164131

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	0.5000	0.5237	105	42-140	4	28
Heptachlor	0.5000	0.5070	101	34-132	1	29
Aldrin	0.5000	0.3948	79	36-123	6	25
Dieldrin	0.5000	0.4334	87	44-119	6	25
Endrin	0.5000	0.5107	102	48-137	7	28
4,4'-DDT	0.5000	0.5648	113	39-127	5	33

Surrogate	%REC	Limits
TCMX	105	27-116
Decachlorobiphenyl	92	15-110

:PD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018		
Field ID:	SCIMW-2	Diln Fac:	1.000
Lab ID:	155721-001	Sampled:	11/30/01
Matrix:	Filtrate	Received:	11/30/01
Units:	ug/L	Analyzed:	12/06/01

Analyte	Result	RL	Batch#	Prepared	Analysis
Antimony	ND	60	68545	12/06/01	EPA 6010B
Arsenic	12	5.0	68545	12/06/01	EPA 6010B
Barium	110	10	68545	12/06/01	EPA 6010B
Beryllium	ND	2.0	68545	12/06/01	EPA 6010B
Cadmium	ND	5.0	68545	12/06/01	EPA 6010B
Chromium	ND	10	68545	12/06/01	EPA 6010B
Cobalt	ND	20	68545	12/06/01	EPA 6010B
Copper	ND	10	68545	12/06/01	EPA 6010B
Lead	ND	3.0	68545	12/06/01	EPA 6010B
Mercury	ND	0.20	68515	12/05/01	EPA 7470A
Molybdenum	ND	20	68545	12/06/01	EPA 6010B
Nickel	ND	20	68545	12/06/01	EPA 6010B
Selenium	ND	5.0	68545	12/06/01	EPA 6010B
Silver	ND	5.0	68545	12/06/01	EPA 6010B
Thallium	ND	5.0	68545	12/06/01	EPA 6010B
Vanadium	ND	10	68545	12/06/01	EPA 6010B
Zinc	ND	20	68545	12/06/01	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018		
Field ID:	SCIMW-28	Diln Fac:	1.000
Lab ID:	155721-008	Sampled:	11/30/01
Matrix:	Filtrate	Received:	11/30/01
Units:	ug/L	Analyzed:	12/06/01

Analyte	Result	RL	Batch#	Prepared	Analysis
Antimony	ND	60	68545	12/06/01	EPA 6010B
Arsenic	17	5.0	68545	12/06/01	EPA 6010B
Barium	23	10	68545	12/06/01	EPA 6010B
Beryllium	ND	2.0	68545	12/06/01	EPA 6010B
Cadmium	ND	5.0	68545	12/06/01	EPA 6010B
Chromium	ND	10	68545	12/06/01	EPA 6010B
Cobalt	ND	20	68545	12/06/01	EPA 6010B
Copper	17	10	68545	12/06/01	EPA 6010B
Lead	89	3.0	68545	12/06/01	EPA 6010B
Mercury	ND	0.20	68515	12/05/01	EPA 7470A
Molybdenum	ND	20	68545	12/06/01	EPA 6010B
Nickel	ND	20	68545	12/06/01	EPA 6010B
Selenium	ND	5.0	68545	12/06/01	EPA 6010B
Silver	ND	5.0	68545	12/06/01	EPA 6010B
Thallium	ND	5.0	68545	12/06/01	EPA 6010B
Vanadium	ND	10	68545	12/06/01	EPA 6010B
Zinc	210	20	68545	12/06/01	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 6010B
Field ID:	SCIMW-34	Sampled:	11/30/01
Matrix:	Filtrate	Received:	11/30/01
Units:	ug/L	Prepared:	12/06/01
Diln Fac:	1.000	Analyzed:	12/06/01
Batch#:	68545		

Type: SAMPLE Lab ID: 155721-009

Analyte	Result	RL
Cadmium	ND	5.0
Chromium	ND	10
Nickel	ND	20
Zinc	86	20

Type: BLANK Lab ID: QC164395

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.

California Title 26 Metals

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 7470A
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	68515
Lab ID:	QC164286	Prepared:	12/05/01
Matrix:	Water	Analyzed:	12/06/01
Units:	ug/L		

Result	RL
ND	0.20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC164395	Batch#:	68545
Matrix:	Filtrate	Prepared:	12/06/01
Units:	ug/L	Analyzed:	12/06/01

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 #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	68515
Matrix:	Water	Prepared:	12/05/01
Units:	ug/L	Analyzed:	12/06/01
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC164287	5.000	4.950	99	80-116		
BSD	QC164288	5.000	5.190	104	80-116	5	20

RPD= Relative Percent Difference

California Title 26 Metals

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	68515
Field ID:	ZZZZZZZZZZ	Sampled:	11/20/01
MSS Lab ID:	155571-011	Received:	11/21/01
Matrix:	Water	Prepared:	12/05/01
Units:	ug/L	Analyzed:	12/06/01
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC164289	<0.04600	5.000	5.510	110	80-114		
MSD	QC164290		5.000	5.430	109	80-114	1	22

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 7470A
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	68515
Type:	SDUP	Sampled:	12/04/01
MSS Lab ID:	155778-001	Received:	12/04/01
Lab ID:	QC164291	Prepared:	12/05/01
Matrix:	Filtrate	Analyzed:	12/06/01
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 #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 7470A
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	68515
Type:	MS	Sampled:	12/04/01
MSS Lab ID:	155778-001	Received:	12/04/01
Lab ID:	QC164292	Prepared:	12/05/01
Matrix:	Filtrate	Analyzed:	12/06/01
Units:	ug/L		

MSS Result	Spiked	Result	%REC	Limits
<0.04600	5.000	5.290	106	80-114

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 6010B
Matrix:	Filtrate	Batch#:	68545
Units:	ug/L	Prepared:	12/06/01
Diln Fac:	1.000	Analyzed:	12/06/01

Type: BS Lab ID: QC164396

Analyte	Spiked	Result	%REC	Limits
Antimony	500.0	369.0	74 *	75-123
Arsenic	100.0	100.0	100	80-120
Barium	2,000	1,890	95	80-116
Beryllium	50.00	47.60	95	80-116
Cadmium	50.00	48.40	97	80-126
Chromium	200.0	187.0	94	80-113
Cobalt	500.0	455.0	91	80-112
Copper	250.0	226.0	90	80-114
Lead	100.0	93.50	94	78-120
Molybdenum	400.0	370.0	93	80-114
Nickel	500.0	475.0	95	80-116
Selenium	100.0	92.60	93	79-120
Silver	50.00	46.30	93	80-120
Thallium	100.0	92.80	93	80-119
Vanadium	500.0	463.0	93	80-111
Zinc	500.0	478.0	96	72-126

Type: BSD Lab ID: QC164397

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	500.0	443.0	89	75-123	18	21
Arsenic	100.0	99.30	99	80-120	1	20
Barium	2,000	1,900	95	80-116	1	21
Beryllium	50.00	47.30	95	80-116	1	20
Cadmium	50.00	48.00	96	80-126	1	20
Chromium	200.0	185.0	93	80-113	1	21
Cobalt	500.0	452.0	90	80-112	1	25
Copper	250.0	227.0	91	80-114	0	24
Lead	100.0	92.70	93	78-120	1	20
Molybdenum	400.0	374.0	94	80-114	1	22
Nickel	500.0	471.0	94	80-116	1	23
Selenium	100.0	93.10	93	79-120	1	20
Silver	50.00	46.80	94	80-120	1	26
Thallium	100.0	96.80	97	80-119	4	20
Vanadium	500.0	462.0	92	80-111	0	20
Zinc	500.0	473.0	95	72-126	1	26

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 6010B
Field ID:	SCIMW-34	Diln Fac:	1.000
Type:	SDUP	Batch#:	68545
MSS Lab ID:	155721-009	Sampled:	11/30/01
Lab ID:	QC164398	Received:	11/30/01
Matrix:	Filtrate	Prepared:	12/06/01
Units:	ug/L	Analyzed:	12/06/01

Analyte	MSS Result	Result	RL	RPD	Lim
Antimony	<60.00	ND	60	NC	29
Arsenic	15.60	13.30	5.0	16	42
Barium	229.0	236.0	10	3	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	6.340	ND	3.0	NC	29
Molybdenum	<20.00	ND	20	NC	20
Nickel	<20.00	ND	20	NC	20
Selenium	14.50	14.30	5.0	1	40
Silver	<5.000	ND	5.0	NC	30
Thallium	<5.000	ND	5.0	NC	41
Vanadium	40.60	41.70	10	3	41
Zinc	86.30	45.60	20	62 *	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 #:	155721	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	METHOD
Project#:	133.018	Analysis:	EPA 6010B
Field ID:	SCIMW-34	Diln Fac:	1.000
Type:	SSPIKE	Batch#:	68545
MSS Lab ID:	155721-009	Sampled:	11/30/01
Lab ID:	QC164399	Received:	11/30/01
Matrix:	Filtrate	Prepared:	12/06/01
Units:	ug/L	Analyzed:	12/06/01

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	34.30	500.0	477.0	89	64-128
Arsenic	15.60	100.0	115.0	99	65-131
Barium	229.0	2,000	2,400	109	75-120
Beryllium	<0.2500	50.00	46.40	93	71-124
Cadmium	<0.4000	50.00	42.10	84	70-127
Chromium	1.130	200.0	182.0	90	70-124
Cobalt	1.680	500.0	436.0	87	73-122
Copper	6.450	250.0	276.0	108	74-122
Lead	6.340	100.0	104.0	98	66-128
Molybdenum	<2.600	400.0	432.0	108	72-122
Nickel	13.70	500.0	444.0	86	70-126
Selenium	14.50	100.0	122.0	108	65-132
Silver	0.9290	50.00	51.60	101	72-125
Thallium	<4.100	100.0	18.40	18 *	58-134
Vanadium	40.60	500.0	512.0	94	58-134
Zinc	86.30	500.0	509.0	85	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
1000 Broadway
Suite 200
Oakland, CA 94607

Date: 28-DEC-01
Lab Job Number: 155825
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

155825

CHAIN OF CUSTODY

PROJECT NAME: Ninth Avenue Terminal

JOB NUMBER: 133.018 — LAB: Curtis & Tompkins

PROJECT CONTACT: E Silverman — TURNAROUND: Standard

SAMPLED BY: E Silverman & W Bui — REQUESTED BY: E Silverman

LABORATORY I.D. NUMBER	SCI SAMPLE NUMBER	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE	CONTAINERS: Poly	PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	TPH-g, BTEX (8015 and 8020)	TPH-d, TPH-mo - using si gel clean up (8015m)	VOCs (8260) - 8240 list	MTBE (8260	CAM 17 Title 22 Metals (6010/7000) - to be filtered	Pesticides (8080) - to be filtered by lab	PNAs (8270) - to be filtered by lab	EDF Format	Chromatograms
-1	mw-2	X				2			X				X		X	12	03	01	1410	1		X						X	X
-2	SCIMW-10	X				2							X		X	12	03	01	1230			X						X	X
-3	SCIMW-18	X				2							X		X	12	03	01	1320			X						X	X
-4	SCIMW-15	X				2							X		X	12	03	01	1130			X						X	X
-5	SCIMW-1	X				2							X		X	12	03	01	1010			X						X	X

Received ☒ On Ice ☒ Cold ☐ Ambient ☒ Intact

Preservation Correct? ☐ Yes ☐ No ☐ N/A

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	12/4/01 1:00	[signature]	12/4/01 1:00

COMMENTS & NOTES:
~~Please filter polys for metals~~
Bill to Port of Oakland.
MW-2 - one full amber and one partial

SCI Subsurface Consultants, Inc.
1000 Broadway, Suite 200 Oakland, CA 94607
510-268-0461 FAX: 510-268-0137
2011 Soscol Ave., Suite 5, Napa, CA 94559
707-257-6993 FAX: 707-257-6995

g:/server migration/data/template/chain of custody — Excel

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	155825	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	8015B(M)
Matrix:	Water	Sampled:	12/03/01
Units:	ug/L	Received:	12/04/01
Diln Fac:	1.000	Prepared:	12/09/01
Batch#:	68617		

Field ID:	MW-2	Analyzed:	12/10/01
Type:	SAMPLE	Cleanup Method:	EPA 3630C
Lab ID:	155825-001		

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

Surrogate	%REC	Limits
Hexacosane	77	44-121

Field ID:	SCIMW-10	Analyzed:	12/10/01
Type:	SAMPLE	Cleanup Method:	EPA 3630C
Lab ID:	155825-002		

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

Surrogate	%REC	Limits
Hexacosane	71	44-121

Field ID:	SCIMW-18	Analyzed:	12/11/01
Type:	SAMPLE	Cleanup Method:	EPA 3630C
Lab ID:	155825-003		

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

Surrogate	%REC	Limits
Hexacosane	85	44-121

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	155825	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	8015B(M)
Matrix:	Water	Sampled:	12/03/01
Units:	ug/L	Received:	12/04/01
Diln Fac:	1.000	Prepared:	12/09/01
Batch#:	68617		

ield ID:	SCIMW-15	Analyzed:	12/11/01
ype:	SAMPLE	Cleanup Method:	EPA 3630C
ab ID:	155825-004		

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

Surrogate	%REC	Limits
Hexacosane	69	44-121

ield ID:	SCIMW-1	Analyzed:	12/11/01
ype:	SAMPLE	Cleanup Method:	EPA 3630C
ab ID:	155825-005		

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

Surrogate	%REC	Limits
Hexacosane	81	44-121

ype:	BLANK	Analyzed:	12/10/01
ab ID:	QC164675	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	90	44-121

ID= Not Detected
L= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	155825	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	8015B(M)
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC164676	Batch#:	68617
Matrix:	Water	Prepared:	12/09/01
Units:	ug/L	Analyzed:	12/10/01

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,544	102	45-110

Surrogate	%REC	Limits
Hexacosane	98	44-121

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	155825	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	8015B(M)
Field ID:	ZZZZZZZZZZ	Batch#:	68617
MSS Lab ID:	155718-003	Sampled:	11/27/01
Matrix:	Water	Received:	11/28/01
Units:	ug/L	Prepared:	12/09/01
Diln Fac:	1.000	Analyzed:	12/10/01

ype: MS
ab ID: QC164677

Cleanup Method: EPA 3630C

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	<38.00	2,500	2,593	104	38-122

Surrogate	%REC	Limits
Hexacosane	98	44-121

ype: MSD
ab ID: QC164678

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,676	107	38-122	3	28

Surrogate	%REC	Limits
Hexacosane	111	44-121

PD= Relative Percent Difference

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

ANALYTICAL REPORT

Prepared for:

Subsurface Consultants
1000 Broadway
Suite 200
Oakland, CA 94607

Date: 28-DEC-01
Lab Job Number: 155664
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

1556604

PROJECT NAME: Ninth Avenue Terminal
JOB NUMBER: 133.018
PROJECT CONTACT: E. Silverman
SAMPLED BY: E. Silverman
LAB: Curtis & Tompkins
TURNAROUND: Standard
REQUESTED BY: E. Silverman

LABORATORY I.D. NUMBER	SCI SAMPLE NUMBER	MATRIX: WATER	SOIL	AIR		CONTAINERS: VOA	LITER	PINT	TUBE			METHOD PRESERVED: HCL	H_2SO_4	HNO_3	ICE	OTHER	NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	ANALYSIS REQUESTED: TPH-g, BTEX, [illegible] (8015 and 8020)	TPH as Diesel - using silica gel clean up (80	VOCs (8260)	CAM 17 Title 22 Metals (6010/7000)	Lead (6010)	TPH-d, -mo w/ SG (8015m)	DNA (8270)	Pesticides (8080)		EDF
	SCIMW-3	X					2					X			X		X	11	28	01	1045							X				X
	SCIMW-8	X					2								X		X	11	28	01	1115							X				X
	SCIMW-9	X					2								X		X	11	28	01	1230							X				X
	SCIMW-11	X				3	2					X			X		X	11	28	01	0850		X					X				X
	SCIMW-13	X					2								X		X	11	28	01	1415							X				X
	SCIMW-24	X				3	4					X			X		X	11	28	01	0940	1	X					X	X			X
	SCIMW-33	X				3	4								X		X	11	28	01	1458	1½			X			X		X		X

CHAIN OF CUSTODY RECORD

RELINQUESHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
[signature]	11/28/01 4:00	[signature] 11-28-01 4:00pm
RELINQUESHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUESHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUESHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)

COMMENTS & NOTES:
1. Needs to be filtered - Pesticides and DNAs only
2. Voas unpreserved

SCI
Subsurface Consultants, Inc.
1000 Broadway, Suite 200 Oakland, CA 94607
510-268-0461 FAX: 510-268-0137
2011 Soscol Ave., Suite 5, Napa, CA 94559
707-257-6993 FAX: 707-257-6995

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	155664	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	8015B(M)
Matrix:	Water	Sampled:	11/28/01
Units:	ug/L	Received:	11/28/01

Field ID:	SCIMW-11	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	68408
Lab ID:	155664-004	Analyzed:	12/02/01

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	59-135
Bromofluorobenzene (FID)	104	60-140

Field ID:	SCIMW-24	Diln Fac:	10.00
Type:	SAMPLE	Batch#:	68483
Lab ID:	155664-006	Analyzed:	12/05/01

Analyte	Result	RL
Gasoline C7-C12	8,900	500

Surrogate	%REC	Limits
Trifluorotoluene (FID)	130	59-135
Bromofluorobenzene (FID)	103	60-140

Type:	BLANK	Batch#:	68408
Lab ID:	QC163858	Analyzed:	12/01/01
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	97	59-135
Bromofluorobenzene (FID)	93	60-140

Type:	BLANK	Batch#:	68483
Lab ID:	QC164166	Analyzed:	12/05/01
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	93	59-135
Bromofluorobenzene (FID)	93	60-140

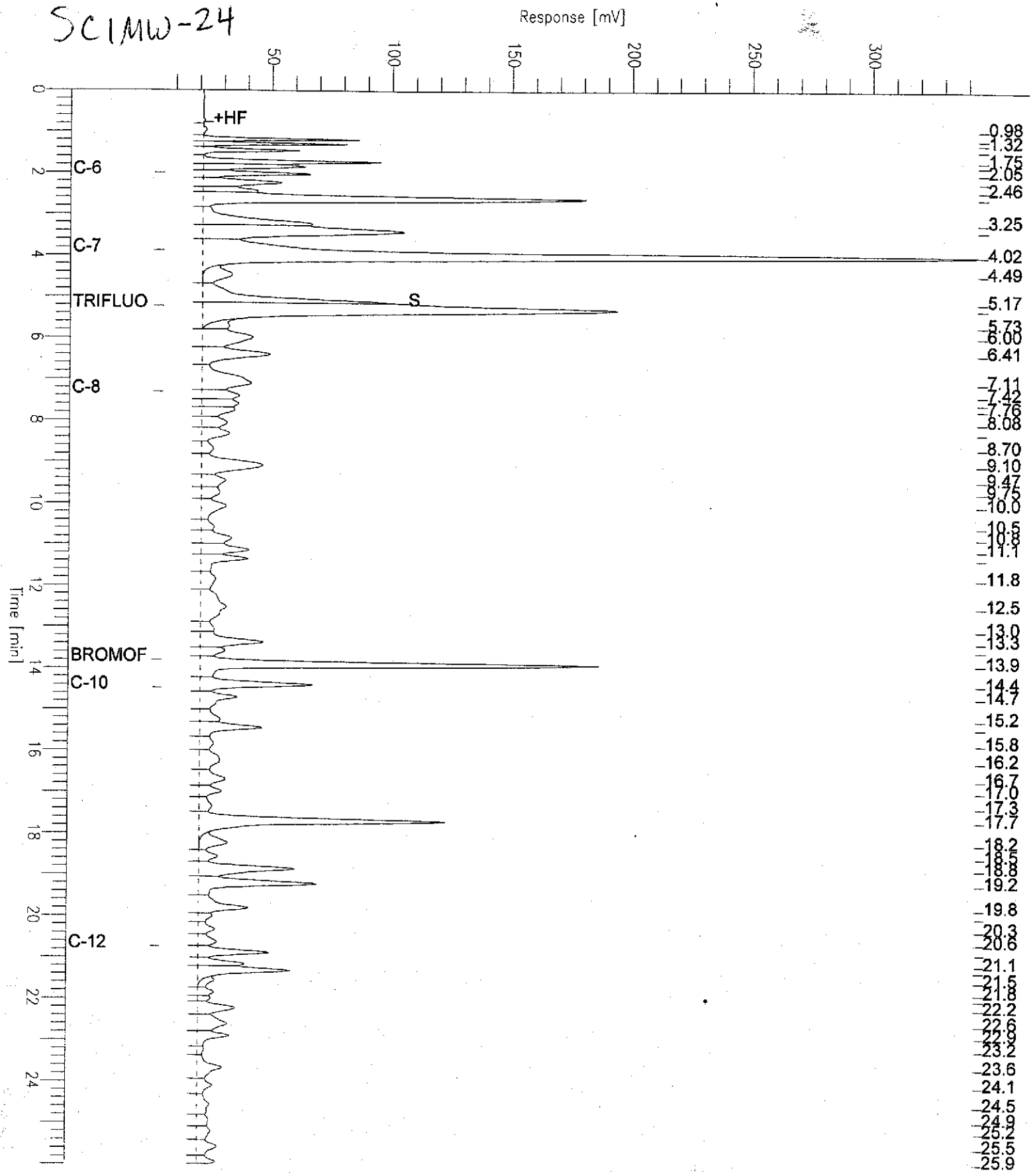
ND= Not Detected
RL= Reporting Limit

GC07 TVH 'A' Data File RTX 502

Sample Name : 155664-006,68483
FileName : G:\GC07\DATA\339A012.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 5 mV

Sample #: c1 Page 1 of 1
Date : 12/6/01 09:39 AM
Time of Injection: 12/5/01 01:12 PM
Low Point : 4.94 mV High Point : 343.88 mV
Plot Scale: 338.9 mV

SC1MW-24

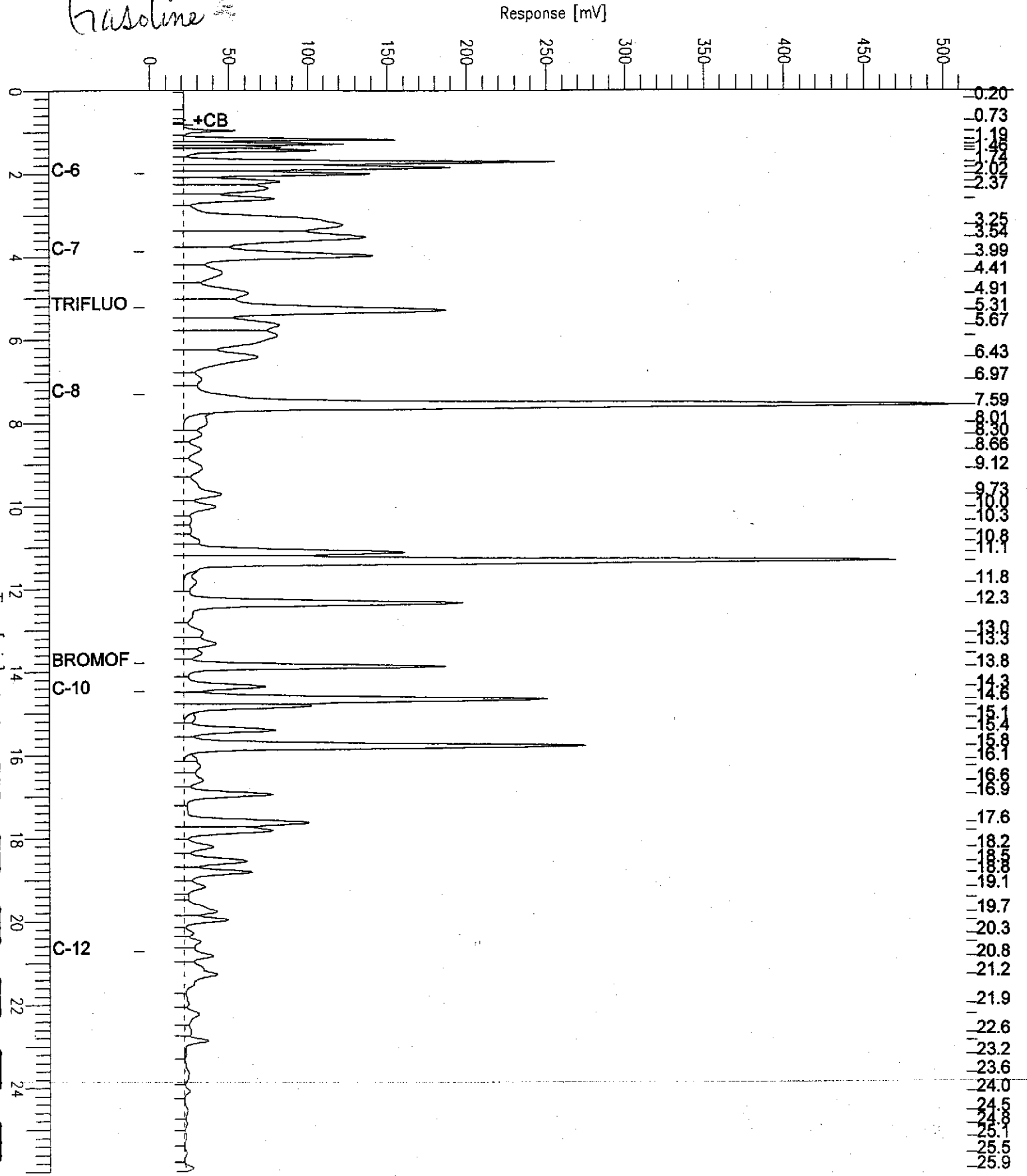


GC07 TVH 'A' Data File RTX 502

Sample Name : CCV/LCS,QC163859,68408,01WS2177,5/5000
FileName : G:\GC07\DATA\335A002.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: -3 mV

Sample #: Page 1 of 1
Date : 12/1/01 04:13 PM
Time of Injection: 12/1/01 03:47 PM
Low Point : -3.38 mV High Point : 513.36 mV
Plot Scale: 516.7 mV

Gasoline



Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	155664	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8021B
Matrix:	Water	Sampled:	11/28/01
Units:	ug/L	Received:	11/28/01

Field ID:	SCIMW-11	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	68408
Lab ID:	155664-004	Analyzed:	12/02/01

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)	91	56-142
Bromofluorobenzene (PID)	88	55-149

Field ID:	SCIMW-24	Diln Fac:	10.00
Type:	SAMPLE	Batch#:	68483
Lab ID:	155664-006	Analyzed:	12/05/01

Analyte	Result	RL
Benzene	1,000	5.0
Toluene	44	5.0
Ethylbenzene	51	5.0
m,p-Xylenes	45	5.0
o-Xylene	12 C	5.0

Surrogate	%REC	Limits
Trifluorotoluene (PID)	127	56-142
Bromofluorobenzene (PID)	88	55-149

C= Presence confirmed, but confirmation concentration differed by more than a factor of two
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	155664	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8021B
Matrix:	Water	Sampled:	11/28/01
Units:	ug/L	Received:	11/28/01

Type:	BLANK	Batch#:	68408
Lab ID:	QC163858	Analyzed:	12/01/01
Diln Fac:	1.000		

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)	91	56-142
Bromofluorobenzene (PID)	84	55-149

Type:	BLANK	Batch#:	68483
Lab ID:	QC164166	Analyzed:	12/05/01
Diln Fac:	1.000		

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)	89	56-142
Bromofluorobenzene (PID)	81	55-149

C= Presence confirmed, but confirmation concentration differed by more than a factor of two
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	155664	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	8015B(M)
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC163859	Batch#:	68408
Matrix:	Water	Analyzed:	12/01/01
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,950	98	73-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	123	59-135
Bromofluorobenzene (FID)	97	60-140

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	155664	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	8015B(M)
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC164167	Batch#:	68483
Matrix:	Water	Analyzed:	12/05/01
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,963	98	73-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	126	59-135
Bromofluorobenzene (FID)	92	60-140

Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	155664	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8021B
Matrix:	Water	Batch#:	68408
Units:	ug/L	Analyzed:	12/01/01
Diln Fac:	1.000		

Type: BS Lab ID: QC163862

Analyte	Spiked	Result	%REC	Limits
Benzene	20.00	19.86	99	67-117
Toluene	20.00	20.12	101	69-117
Ethylbenzene	20.00	20.09	100	68-124
m,p-Xylenes	40.00	41.36	103	70-125
o-Xylene	20.00	21.21	106	65-129

Surrogate	%REC	Limits
Trifluorotoluene (PID)	94	56-142
Bromofluorobenzene (PID)	87	55-149

Type: BSD Lab ID: QC163863

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	20.00	19.69	98	67-117	1	20
Toluene	20.00	19.76	99	69-117	2	20
Ethylbenzene	20.00	19.76	99	68-124	2	20
m,p-Xylenes	40.00	40.60	101	70-125	2	20
o-Xylene	20.00	20.91	105	65-129	1	20

Surrogate	%REC	Limits
Trifluorotoluene (PID)	93	56-142
Bromofluorobenzene (PID)	87	55-149

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	155664	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8021B
Matrix:	Water	Batch#:	68483
Units:	ug/L	Analyzed:	12/05/01
Diln Fac:	1.000		

Type: BS Lab ID: QC164168

Analyte	Spiked	Result	%REC	Limits
Benzene	20.00	19.93	100	67-117
Toluene	20.00	19.10	95	69-117
Ethylbenzene	20.00	19.10	95	68-124
m,p-Xylenes	40.00	40.06	100	70-125
o-Xylene	20.00	20.90	104	65-129

Surrogate	%REC	Limits
Trifluorotoluene (PID)	93	56-142
Bromofluorobenzene (PID)	85	55-149

Type: BSD Lab ID: QC164169

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	20.00	19.55	98	67-117	2	20
Toluene	20.00	18.12	91	69-117	5	20
Ethylbenzene	20.00	18.64	93	68-124	2	20
m,p-Xylenes	40.00	38.49	96	70-125	4	20
o-Xylene	20.00	20.24	101	65-129	3	20

Surrogate	%REC	Limits
Trifluorotoluene (PID)	92	56-142
Bromofluorobenzene (PID)	84	55-149

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	155664	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	8015B(M)
Field ID:	ZZZZZZZZZZ	Batch#:	68408
MSS Lab ID:	155667-001	Sampled:	11/27/01
Matrix:	Water	Received:	11/28/01
Units:	ug/L	Analyzed:	12/02/01
Diln Fac:	1.000		

Type: MS Lab ID: QC163860

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<20.00	2,000	1,948	97	65-131

Surrogate	%REC	Limits
Trifluorotoluene (FID)	126	59-135
Bromofluorobenzene (FID)	105	60-140

Type: MSD Lab ID: QC163861

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,892	95	65-131	3	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	125	59-135
Bromofluorobenzene (FID)	103	60-140

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	155664	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	8015B(M)
Field ID:	ZZZZZZZZZZ	Batch#:	68483
MSS Lab ID:	155649-017	Sampled:	11/27/01
Matrix:	Water	Received:	11/27/01
Units:	ug/L	Analyzed:	12/05/01
Diln Fac:	1.000		

Type: MS Lab ID: QC164170

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	22.43	2,000	2,000	99	65-131

Surrogate	%REC	Limits
Trifluorotoluene (FID)	129	59-135
Bromofluorobenzene (FID)	102	60-140

Type: MSD Lab ID: QC164171

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,928	95	65-131	4	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	127	59-135
Bromofluorobenzene (FID)	101	60-140

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	155664	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	8015B(M)
Units:	ug/L	Sampled:	11/28/01
Diln Fac:	1.000	Received:	11/28/01
Batch#:	68437	Prepared:	12/03/01

ield ID:	SCIMW-3	Matrix:	Water
ype:	SAMPLE	Analyzed:	12/04/01
ab ID:	155664-001	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	120 H Y	50
Motor Oil C24-C36	500	300

Surrogate	%REC	Limits
Hexacosane	89	44-121

ield ID:	SCIMW-8	Matrix:	Water
ype:	SAMPLE	Analyzed:	12/05/01
ab ID:	155664-002	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	93	44-121

ield ID:	SCIMW-9	Matrix:	Water
ype:	SAMPLE	Analyzed:	12/05/01
ab ID:	155664-003	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	140 H Y	50
Motor Oil C24-C36	830	300

Surrogate	%REC	Limits
Hexacosane	105	44-121

ield ID:	SCIMW-11	Matrix:	Water
ype:	SAMPLE	Analyzed:	12/05/01
ab ID:	155664-004	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	98	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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	155664	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	8015B(M)
Units:	ug/L	Sampled:	11/28/01
Diln Fac:	1.000	Received:	11/28/01
Batch#:	68437	Prepared:	12/03/01

Field ID:	SCIMW-13	Matrix:	Water
Type:	SAMPLE	Analyzed:	12/05/01
Lab ID:	155664-005	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	107	44-121

Field ID:	SCIMW-24	Matrix:	Water
Type:	SAMPLE	Analyzed:	12/05/01
Lab ID:	155664-006	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	5,800 H L Y	50
Motor Oil C24-C36	5,000	300

Surrogate	%REC	Limits
Hexacosane	98	44-121

Field ID:	SCIMW-33	Matrix:	Water
Type:	SAMPLE	Analyzed:	12/05/01
Lab ID:	155664-007	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	120 Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	94	44-121

Type:	BLANK	Analyzed:	12/04/01
Lab ID:	QC163986	Cleanup Method:	EPA 3630C
Matrix:	Water		

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

Surrogate	%REC	Limits
Hexacosane	96	44-121

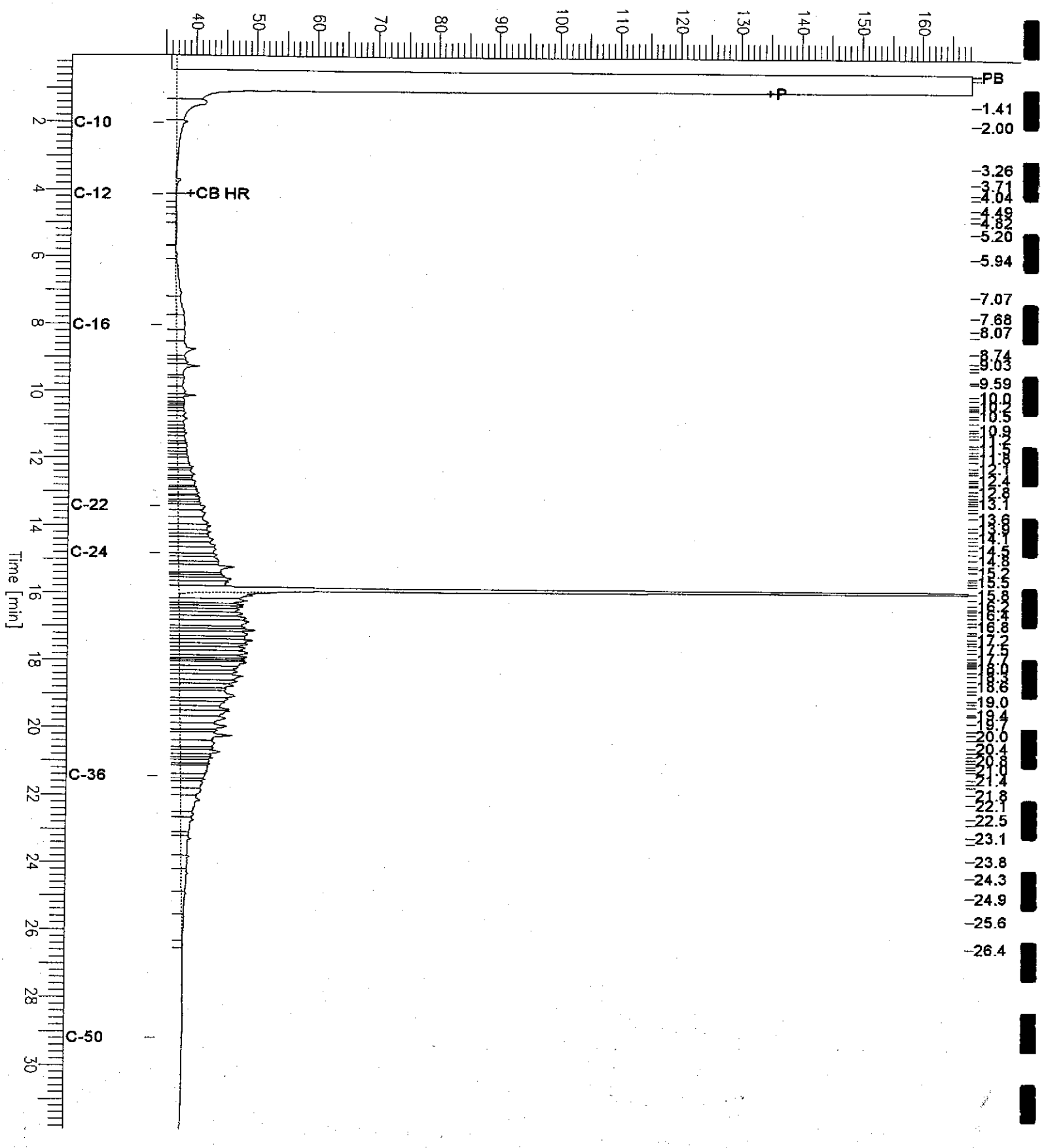
H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits fuel pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Chromatogram

Sample Name : 155664-001sg,68437
FileName : G:\GC15\CHB\336B067.RAW
Method : BTEH331.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 34 mV

Sample #: 68437 Page 1 of 1
Date : 12/05/2001 10:07 AM
Time of Injection: 12/04/2001 11:51 PM
Low Point : 34.48 mV High Point : 168.26 mV
Plot Scale: 133.8 mV

SCIMW-3

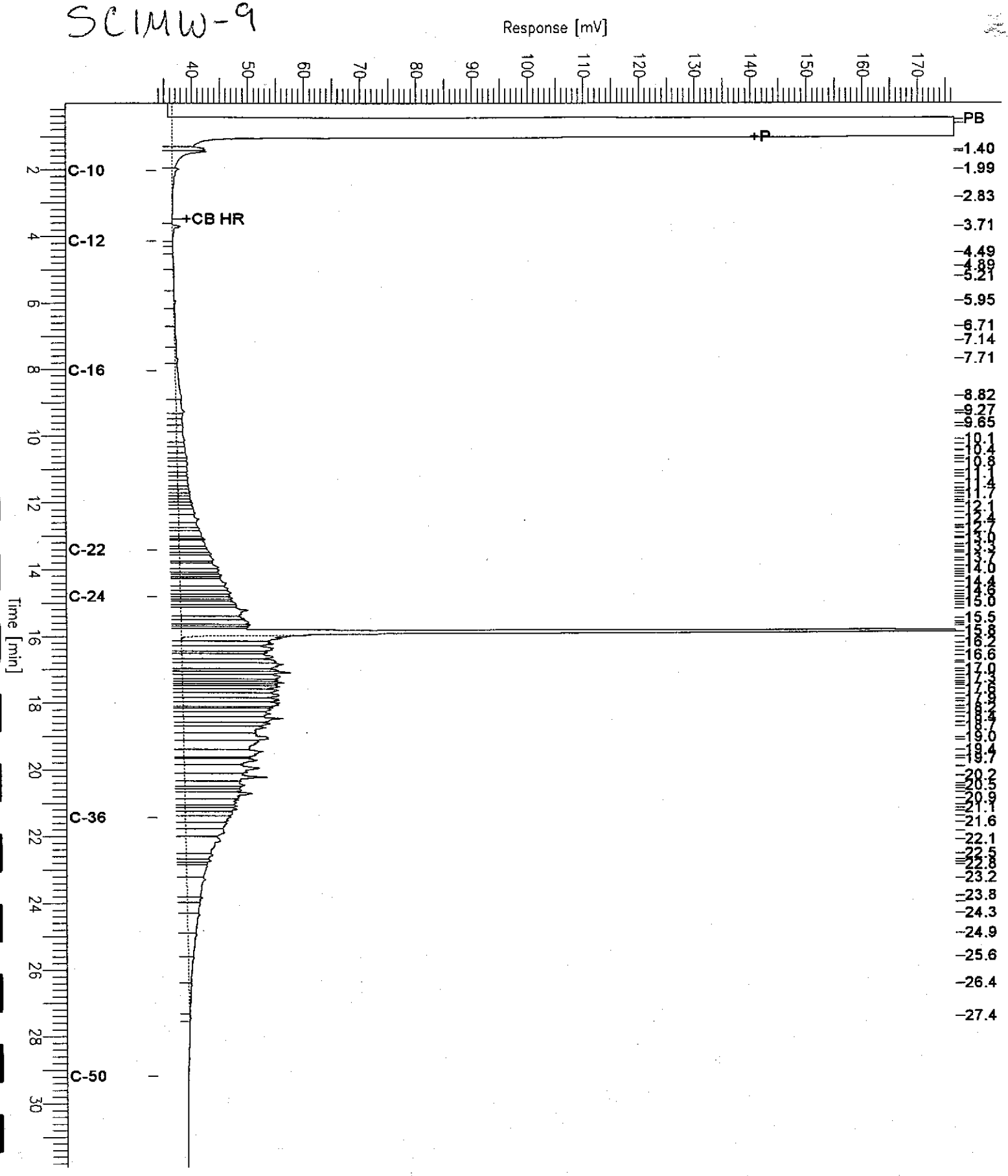


Chromatogram

Sample Name : 155664-003sg,68437
FileName : G:\GC15\CHB\336B073.RAW
Method : BTEH331.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 34 mV

Sample #: 68437 Page 1 of 1
Date : 12/05/2001 10:12 AM
Time of Injection: 12/05/2001 03:54 AM
Low Point : 33.56 mV High Point : 176.60 mV
Plot Scale: 143.0 mV

SCIMW-9

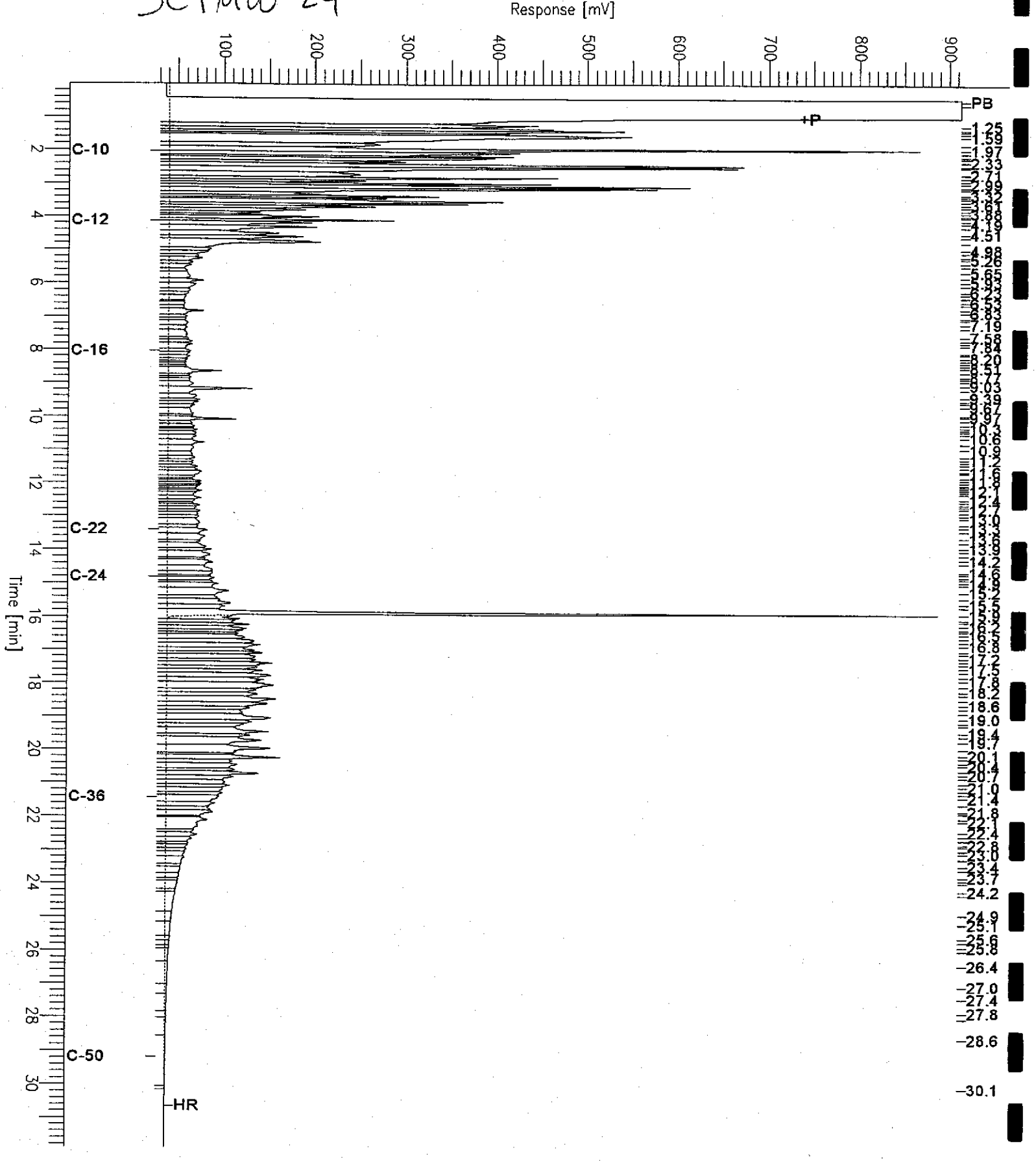


Chromatogram

Sample Name : 155664-006sg,68437
FileName : G:\GC15\CHB\336B076.RAW
Method : BTEH331.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 30 mV

Sample #: 68437 Page 1 of 1
Date : 12/05/2001 10:14 AM
Time of Injection: 12/05/2001 05:56 AM
Low Point : 29.57 mV High Point : 913.47 mV
Plot Scale: 883.9 mV

SC1MW-24

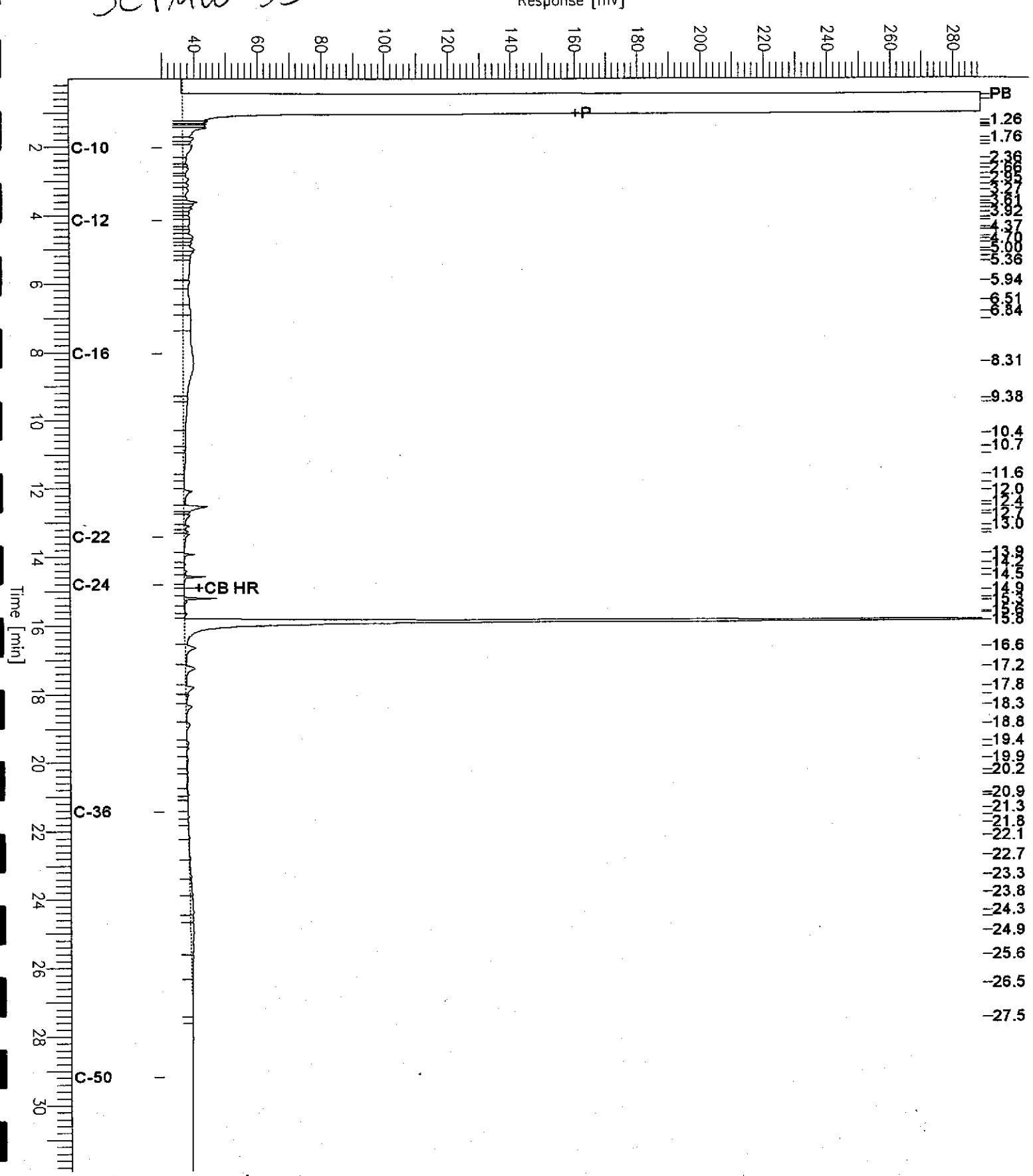


Chromatogram

Sample Name : 155664-007sg,68437
FileName : G:\GC15\CHB\336B077.RAW
Method : BTEH331.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 30 mV

Sample #: 68437 Page 1 of 1
Date : 12/05/2001 10:15 AM
Time of Injection: 12/05/2001 06:37 AM
Low Point : 29.76 mV High Point : 288.85 mV
Plot Scale: 259.1 mV

SC1MW-33

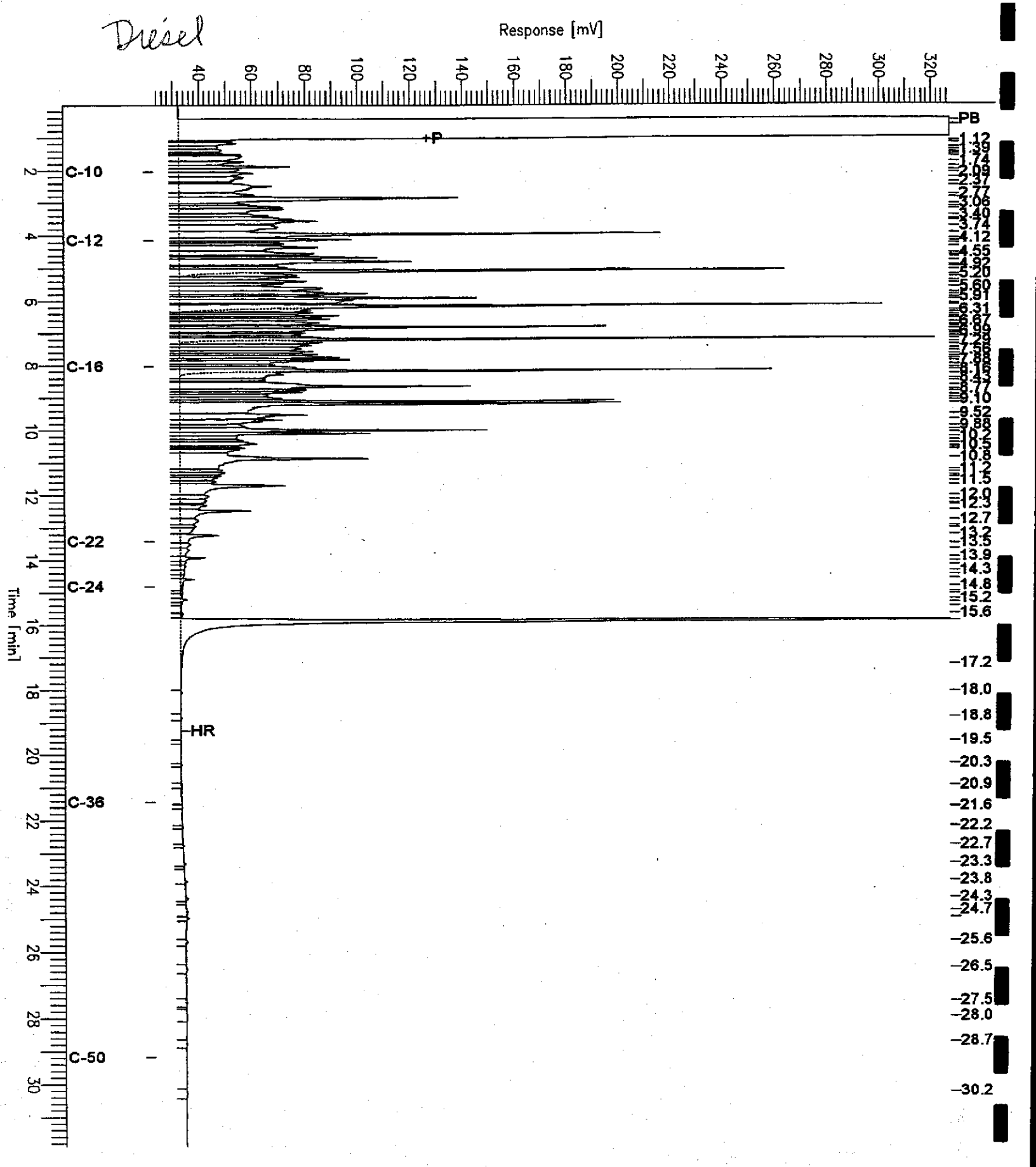


Chromatogram

mple Name : ccv,01ws2062,dsl
leName : G:\GC15\CHB\336B002.RAW
thod : BTEH331.MTH
art Time : 0.01 min End Time : 31.91 min
ale Factor: 0.0 Plot Offset: 23 mV

Sample #: 500mg/L Page 1 of 1
Date : 12/02/2001 02:47 PM
Time of Injection: 12/02/2001 01:28 PM
Low Point : 22.53 mV High Point : 327.13 mV
Plot Scale: 304.6 mV

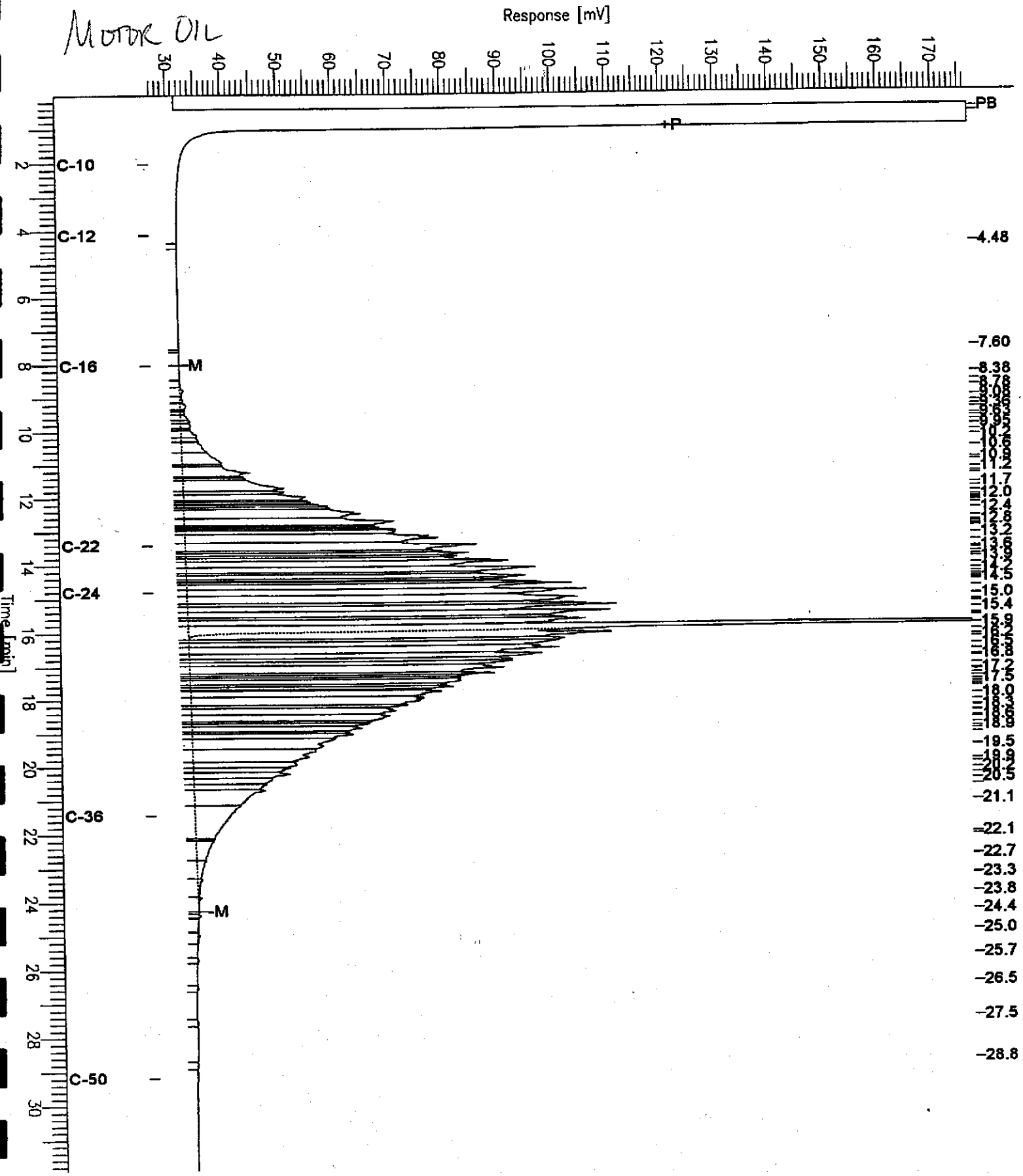
Diesel



Chromatogram

Sample Name : ccv,01ws2115,mo
FileName : G:\GC15\CHB\336B003.RAW
Method : BTEH331.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 27 mV

Sample #: 500mg/L
Date : 12/02/2001 02:48 PM
Time of Injection: 12/02/2001 02:09 PM
Low Point : 26.67 mV High Point : 176.91 mV
Plot Scale: 150.2 mV



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	155664	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	8015B(M)
Matrix:	Water	Batch#:	68437
Units:	ug/L	Prepared:	12/03/01
Diln Fac:	1.000	Analyzed:	12/04/01

Type: BS
Lab ID: QC163987
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,352	94	45-110

Surrogate	%REC	Limits
Hexacosane	98	44-121

Type: BSD
Lab ID: QC163988
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,509	100	45-110	6	22

Surrogate	%REC	Limits
Hexacosane	104	44-121

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	155664	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Field ID:	SCIMW-33	Batch#:	68411
Lab ID:	155664-007	Sampled:	11/28/01
Matrix:	Water	Received:	11/28/01
Units:	ug/L	Analyzed:	12/02/01
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	0.8	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 #:	155664	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Field ID:	SCIMW-33	Batch#:	68411
Lab ID:	155664-007	Sampled:	11/28/01
Matrix:	Water	Received:	11/28/01
Units:	ug/L	Analyzed:	12/02/01
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	180	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	9.9	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	1.6	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	1.5	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	1.4	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	2.1	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	1.4	0.5
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-122
1,2-Dichloroethane-d4	100	78-123
Toluene-d8	101	80-110
Bromofluorobenzene	101	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	155664	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC163872	Batch#:	68411
Matrix:	Water	Analyzed:	12/01/01
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 #:	155664	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC163872	Batch#:	68411
Matrix:	Water	Analyzed:	12/01/01
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	99	78-123
Toluene-d8	98	80-110
Bromofluorobenzene	103	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	155664	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	68411
Units:	ug/L	Analyzed:	12/01/01
Diln Fac:	1.000		

Type: BS Lab ID: QC163870

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	53.28	107	74-132
Benzene	50.00	56.04	112	80-116
Trichloroethene	50.00	47.76	96	80-119
Toluene	50.00	51.62	103	80-120
Chlorobenzene	50.00	49.68	99	80-117

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

Type: BSD Lab ID: QC163871

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	56.21	112	74-132	5	20
Benzene	50.00	53.94	108	80-116	4	20
Trichloroethene	50.00	47.47	95	80-119	1	20
Toluene	50.00	52.20	104	80-120	1	20
Chlorobenzene	50.00	50.34	101	80-117	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-122
1,2-Dichloroethane-d4	95	78-123
Toluene-d8	100	80-110
Bromofluorobenzene	98	80-115

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	155664	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	EPA 8081A
Field ID:	SCIMW-33	Batch#:	68354
Lab ID:	155664-007	Sampled:	11/28/01
Matrix:	Water	Received:	11/28/01
Units:	ug/L	Prepared:	11/29/01
Diln Fac:	5.000	Analyzed:	12/01/01

Analyte	Result	RL
alpha-BHC	ND	0.25
beta-BHC	ND	0.25
gamma-BHC	ND	0.25
delta-BHC	ND	0.25
Heptachlor	ND	0.25
Aldrin	ND	0.25
Heptachlor epoxide B	ND	0.25
Heptachlor epoxide A	ND	0.25
Endosulfan I	ND	0.25
Dieldrin	ND	0.50
4,4'-DDE	ND	0.50
Endrin	ND	0.50
Endosulfan II	ND	0.50
Endosulfan sulfate	ND	0.50
4,4'-DDD	1.3	0.50
Endrin aldehyde	ND	0.50
4,4'-DDT	ND	0.50
alpha-Chlordane	ND	0.25
gamma-Chlordane	ND	0.25
Methoxychlor	ND	2.5
Toxaphene	ND	5.0

Surrogate	%REC	Limits
TCMX	63	27-116
Decachlorobiphenyl	22	15-110

D= Not Detected
L= Reporting Limit

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	155664	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC163661	Batch#:	68354
Matrix:	Water	Prepared:	11/29/01
Units:	ug/L	Analyzed:	12/01/01

Analyte	Result	RL
alpha-BHC	ND	0.050
beta-BHC	ND	0.050
gamma-BHC	ND	0.050
delta-BHC	ND	0.050
Heptachlor	ND	0.050
Aldrin	ND	0.050
Heptachlor epoxide B	ND	0.050
Heptachlor epoxide A	ND	0.050
Endosulfan I	ND	0.050
Dieldrin	ND	0.10
4,4'-DDE	ND	0.10
Endrin	ND	0.10
Endosulfan II	ND	0.10
Endosulfan sulfate	ND	0.10
4,4'-DDD	ND	0.10
Endrin aldehyde	ND	0.10
4,4'-DDT	ND	0.10
alpha-Chlordane	ND	0.050
gamma-Chlordane	ND	0.050
Methoxychlor	ND	0.50
Toxaphene	ND	1.0

Surrogate	%REC	Limits
TCMX	76	27-116
Decachlorobiphenyl	61	15-110

D= Not Detected
L= Reporting Limit

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	155664	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	EPA 8081A
Matrix:	Water	Batch#:	68354
Units:	ug/L	Prepared:	11/29/01
Diln Fac:	2.000	Analyzed:	12/01/01

ype: BS Lab ID: QC163662

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	0.5000	0.4902	98	42-140
Heptachlor	0.5000	0.4584	92	34-132
Aldrin	0.5000	0.4124	82	36-123
Dieldrin	0.5000	0.4526	91	44-119
Endrin	0.5000	0.5264	105	48-137
4,4'-DDT	0.5000	0.5274	105	39-127

Surrogate	%REC	Limits
TCMX	89	27-116
Decachlorobiphenyl	87	15-110

ype: BSD Lab ID: QC163663

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	0.5000	0.3890	78	42-140	23	28
Heptachlor	0.5000	0.3678	74	34-132	22	29
Aldrin	0.5000	0.3270	65	36-123	23	25
Dieldrin	0.5000	0.4085	82	44-119	10	25
Endrin	0.5000	0.4763	95	48-137	10	28
4,4'-DDT	0.5000	0.4787	96	39-127	10	33

Surrogate	%REC	Limits
TCMX	67	27-116
Decachlorobiphenyl	64	15-110

PD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	155664	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	EPA 8270C
Field ID:	SCIMW-24	Batch#:	68412
Lab ID:	155664-006	Sampled:	11/28/01
Matrix:	Filtrate	Received:	11/28/01
Units:	ug/L	Prepared:	12/05/01
Diln Fac:	1.000	Analyzed:	12/05/01

Analyte	Result	RL
Naphthalene	77	9.6
Acenaphthylene	ND	9.6
Acenaphthene	ND	9.6
Fluorene	ND	9.6
Phenanthrene	ND	9.6
Anthracene	ND	9.6
Fluoranthene	ND	9.6
Pyrene	ND	9.6
Benzo(a)anthracene	ND	9.6
Chrysene	ND	9.6
Benzo(b)fluoranthene	ND	9.6
Benzo(k)fluoranthene	ND	9.6
Benzo(a)pyrene	ND	9.6
Indeno(1,2,3-cd)pyrene	ND	9.6
Dibenz(a,h)anthracene	ND	9.6
Benzo(g,h,i)perylene	ND	9.6

Surrogate	%REC	Limits
Nitrobenzene-d5	64	34-126
2-Fluorobiphenyl	61	30-121
Terphenyl-d14	22	15-142

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	155664	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC163873	Batch#:	68412
Matrix:	Water	Prepared:	12/05/01
Units:	ug/L	Analyzed:	12/04/01

Analyte	Result	RL
Naphthalene	ND	9.6
Acenaphthylene	ND	9.6
Acenaphthene	ND	9.6
Fluorene	ND	9.6
Phenanthrene	ND	9.6
Anthracene	ND	9.6
Fluoranthene	ND	9.6
Pyrene	ND	9.6
Benzo(a)anthracene	ND	9.6
Chrysene	ND	9.6
Benzo(b)fluoranthene	ND	9.6
Benzo(k)fluoranthene	ND	9.6
Benzo(a)pyrene	ND	9.6
Indeno(1,2,3-cd)pyrene	ND	9.6
Dibenz(a,h)anthracene	ND	9.6
Benzo(g,h,i)perylene	ND	9.6

Surrogate	%REC	Limits
Nitrobenzene-d5	67	34-126
2-Fluorobiphenyl	77	30-121
Terphenyl-d14	79	15-142

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	155664	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	EPA 8270C
Matrix:	Water	Batch#:	68412
Units:	ug/L	Prepared:	12/05/01
Diln Fac:	1.000	Analyzed:	12/05/01

Type: BS Lab ID: QC163874

Analyte	Spiked	Result	%REC	Limits
Acenaphthene	50.00	41.02	82	42-113
Pyrene	50.00	40.71	81	42-116

Surrogate	%REC	Limits
Nitrobenzene-d5	71	34-126
2-Fluorobiphenyl	82	30-121
Terphenyl-d14	75	15-142

Type: BSD Lab ID: QC163875

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Acenaphthene	50.00	41.76	84	42-113	2	20
Pyrene	50.00	42.40	85	42-116	4	20

Surrogate	%REC	Limits
Nitrobenzene-d5	71	34-126
2-Fluorobiphenyl	84	30-121
Terphenyl-d14	80	15-142

RPD= Relative Percent Difference

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

ANALYTICAL REPORT

Prepared for:

Subsurface Consultants
1000 Broadway
Suite 200
Oakland, CA 94607

Date: 02-JAN-02
Lab Job Number: 155910
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

155910

CHAIN OF CUSTODY

PROJECT NAME: Ninth Avenue Terminal

JOB NUMBER: 133.018 LAB: Curtis & Tompkins

PROJECT CONTACT: E Silverman TURNAROUND: Standard

SAMPLED BY: E Silverman & W Burnette REQUESTED BY: E Silverman

LABORATORY I.D. NUMBER	SCI SAMPLE NUMBER	MATRIX: WATER	SOIL	AIR	CONTAINERS: VOA	LITER	PINT	TUBE	PRESERVATIVE: HCL	H_2SO_4	HNO_3	ICE	OTHER	NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	TPH-g, BTEX (8015 and 8020)	TPH-d, TPH-mo - using si gel clean up (8015m)	VOCs (8260) - 8240 list	MTBE (8260	CAM 17 Title 22 Metals (6010/7000) - to be filtered	Pesticides (8080) - to be filtered by lab	PNAs (8270) - to be filtered by lab	EDF Format	Chromatograms
	MW-3	X			3	2	[illegible]		X			X		X	12	10	01	1050			X		X				X	X
[illegible]	MW-5	X			6	2	[illegible]		X			X		X	12	10	01	1030		X	X		X				X	X
[illegible]	MW-29	X			3				X			X			12	10	01	1145					X				X	

CHAIN OF CUSTODY RECORD

RELINQUESHED BY: (Signature)	DATE/TIME		RECEIVED BY: (Signature)	DATE/TIME	
[signature]	12/10/01	15:40	[signature]	12-10-01	1540

COMMENTS & NOTES:

Subsurface Consultants, Inc.
1000 Broadway, Suite 200 Oakland, CA 94607
510-268-0461 FAX: 510-268-0137
2011 Soscol Ave., Suite 5, Napa, CA 94559
707-257-6993 FAX: 707-257-6995

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	155910	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	8015B(M)
Field ID:	MW-5	Batch#:	68727
Matrix:	Water	Sampled:	12/10/01
Units:	ug/L	Received:	12/10/01
Diln Fac:	1.000		

Type:	SAMPLE	Analyzed:	12/13/01
Lab ID:	155910-002		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	107	59-135
Bromofluorobenzene (FID)	101	60-140

Type:	BLANK	Analyzed:	12/12/01
Lab ID:	QC165115		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	59-135
Bromofluorobenzene (FID)	92	60-140

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	155910	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	8015B(M)
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC165113	Batch#:	68727
Matrix:	Water	Analyzed:	12/13/01
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,862	93	73-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	124	59-135
Bromofluorobenzene (FID)	92	60-140

Curtis & Tompkins, Ltd.

Gasoline by GC/FID CA LUFT

Lab #:	155910	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	8015B(M)
Field ID:	ZZZZZZZZZZ	Batch#:	68727
MSS Lab ID:	155855-018	Sampled:	12/06/01
Matrix:	Water	Received:	12/06/01
Units:	ug/L	Analyzed:	12/13/01
Diln Fac:	1.000		

Type: MS Lab ID: QC165116

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<20.00	2,000	1,890	95	65-131

Surrogate	%REC	Limits
Trifluorotoluene (FID)	130	59-135
Bromofluorobenzene (FID)	100	60-140

Type: MSD Lab ID: QC165117

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,923	96	65-131	2	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	131	59-135
Bromofluorobenzene (FID)	102	60-140

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	155910	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	8015B(M)
Matrix:	Water	Sampled:	12/10/01
Units:	ug/L	Received:	12/10/01
Diln Fac:	1.000	Prepared:	12/19/01
Batch#:	68921	Analyzed:	12/21/01

Field ID: MW-3 Lab ID: 155910-001
Type: SAMPLE 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

Field ID: MW-5 Lab ID: 155910-002
Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	420 H Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	73	44-121

Type: BLANK Cleanup Method: EPA 3630C
Lab ID: QC165847

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

Surrogate	%REC	Limits
Hexacosane	77	44-121

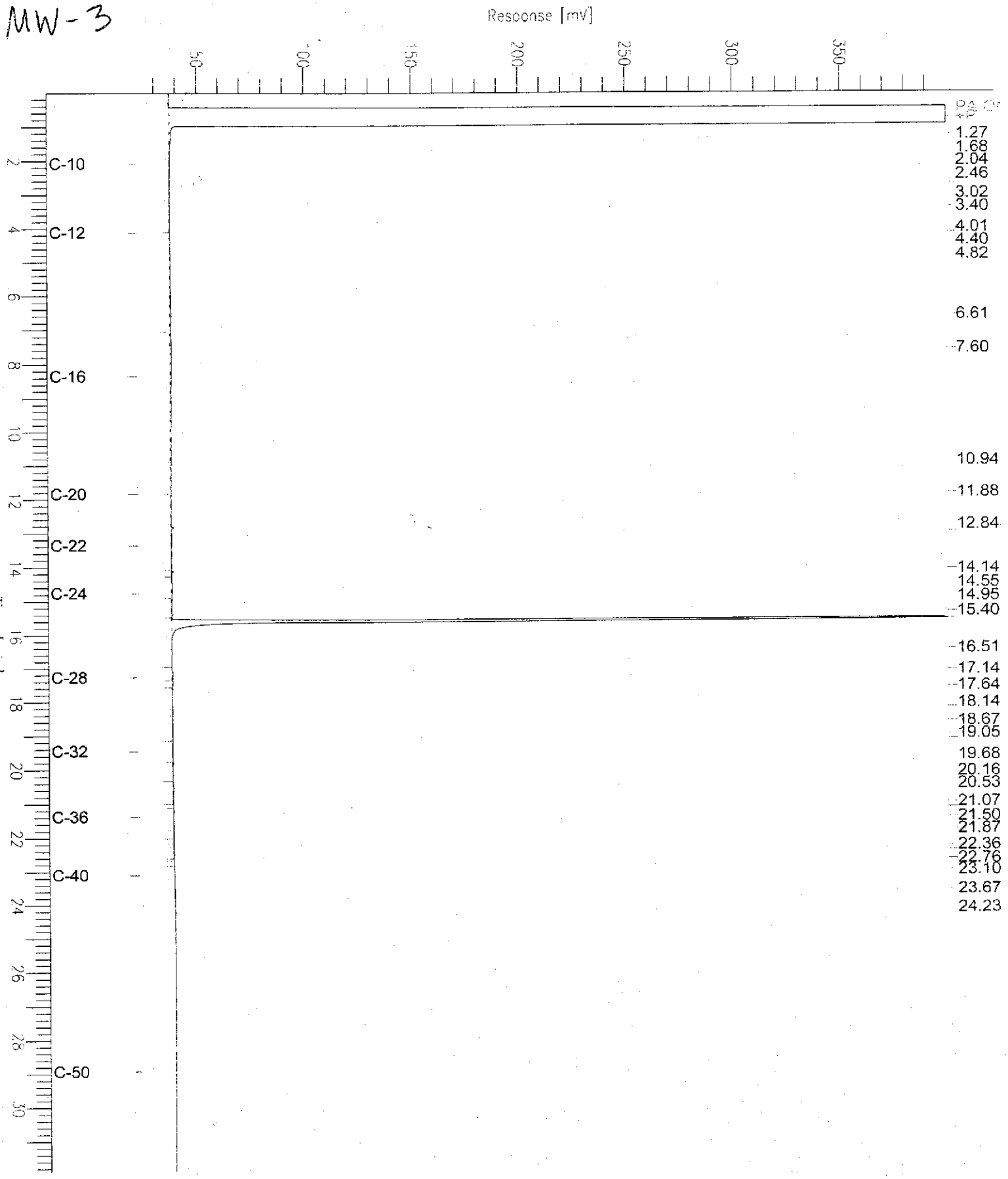
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits fuel pattern which does not resemble standard
D= Not Detected
L= Reporting Limit

Chromatogram

Sample Name : 155910-001sg,68921
FileName : G:\GC13\CHB\353B070.RAW
Method : BTEH321.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 22 mV

Sample #: 68921 Page 1 of 1
Date : 12/21/2001 03:07 PM
Time of Injection: 12/21/2001 01:06 PM
Low Point : 22.49 mV High Point : 399.91 mV
Plot Scale: 377.4 mV

MW-3

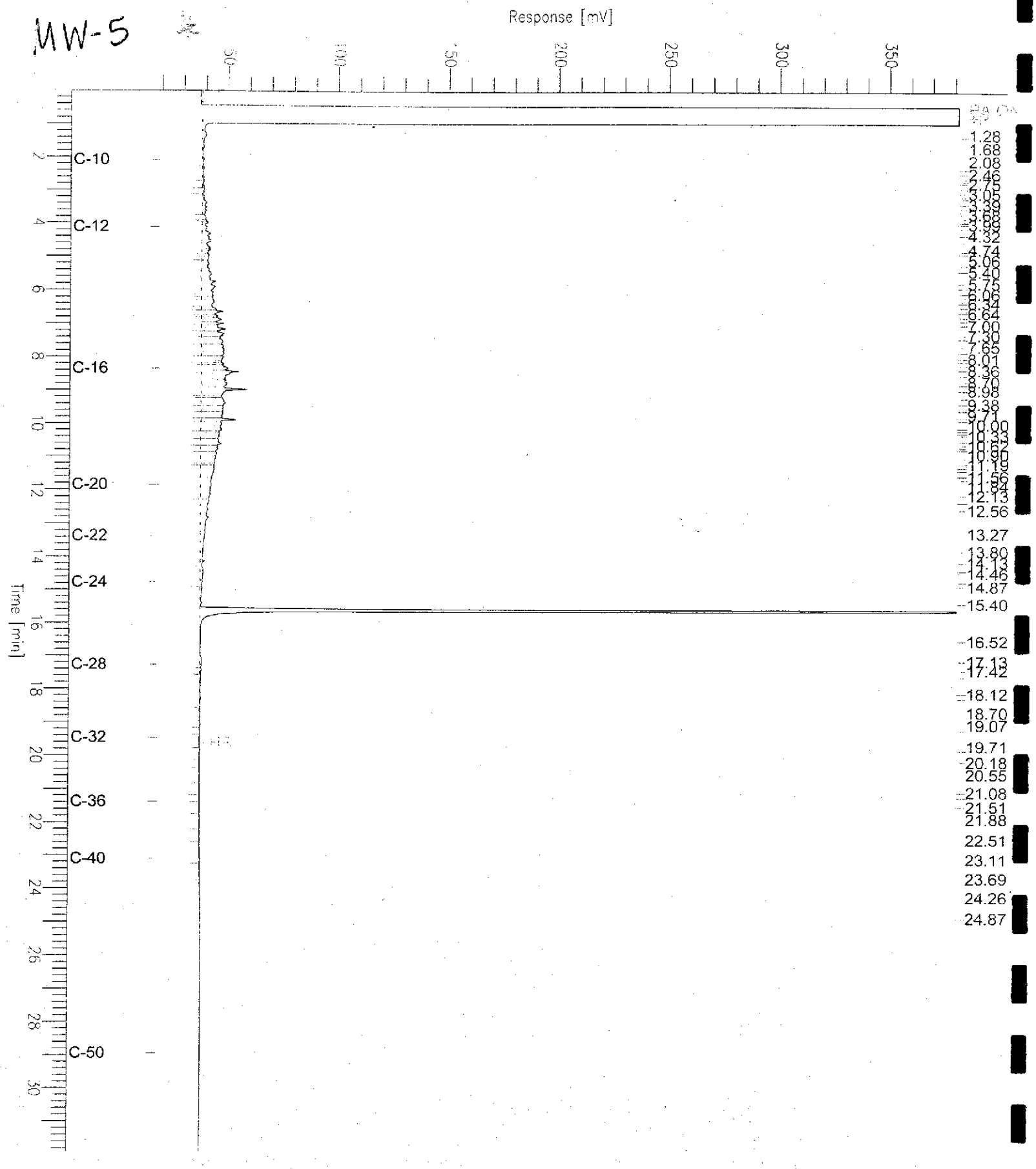


Chromatogram

Sample Name : 155910-002sg,68921
FileName : G:\GC13\CHB\353B071.RAW
Method : BTEH321.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 19 mV

Sample #: 68921 Page 1 of 1
Date : 12/21/2001 03:08 PM
Time of Injection: 12/21/2001 01:45 PM
Low Point : 19.02 mV High Point : 381.44 mV
Plot Scale: 362.4 mV

MW-5

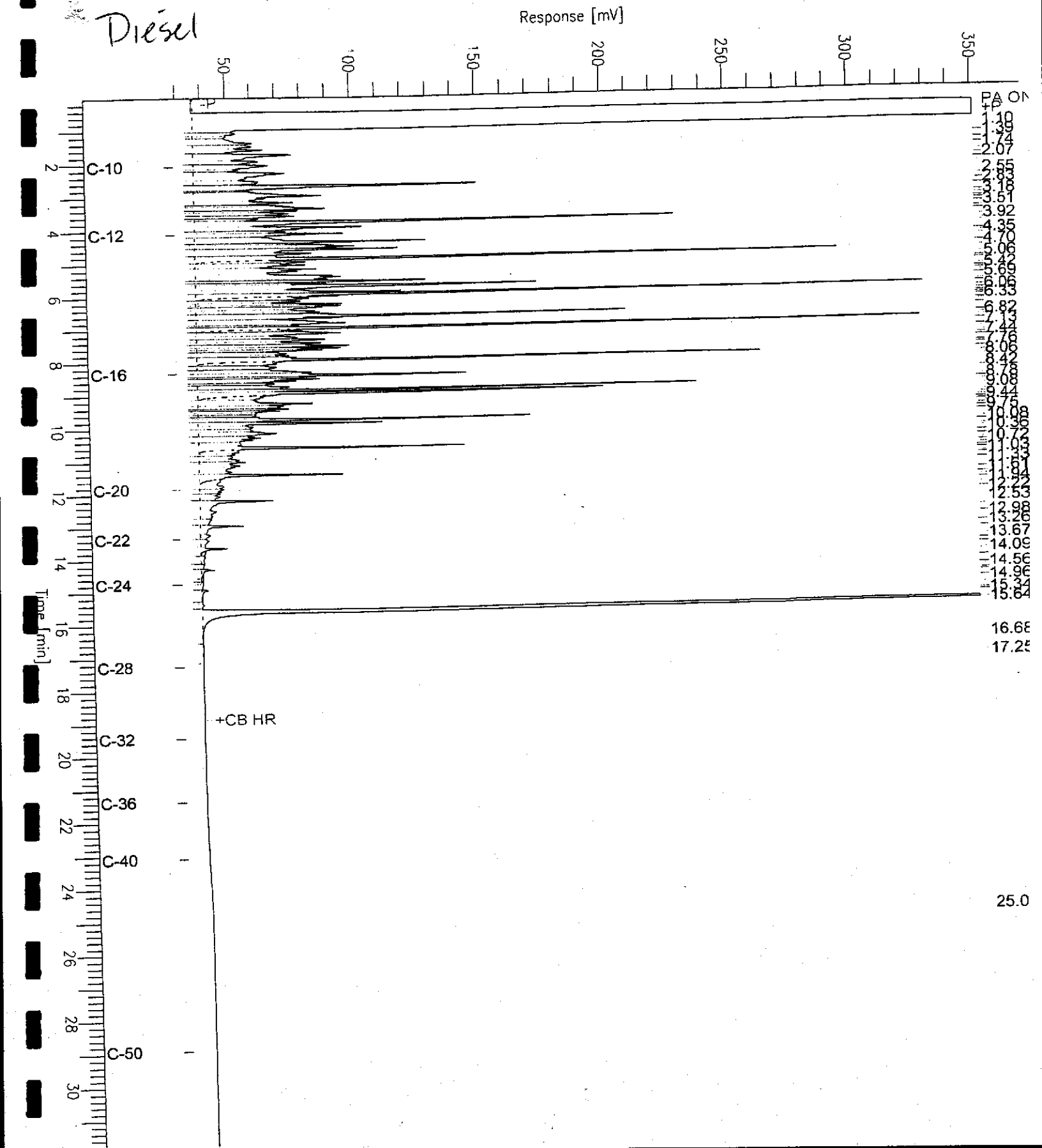


Chromatogram

mple Name : ccv,01ws2297,dsl
leName : G:\GC13\CHB\353B003.RAW
Method : BTEH321.MTH
Start Time : 0.01 min End Time : 31.83 min
ale Factor: 0.0 Plot Offset: 29 mV

Sample #: 500mg/L
Date : 12/19/2001 06:33 PM
Time of Injection: 12/19/2001 05:18 PM
Low Point : 29.35 mV High Point : 350.94 mV
Plot Scale: 321.6 mV

Diesel

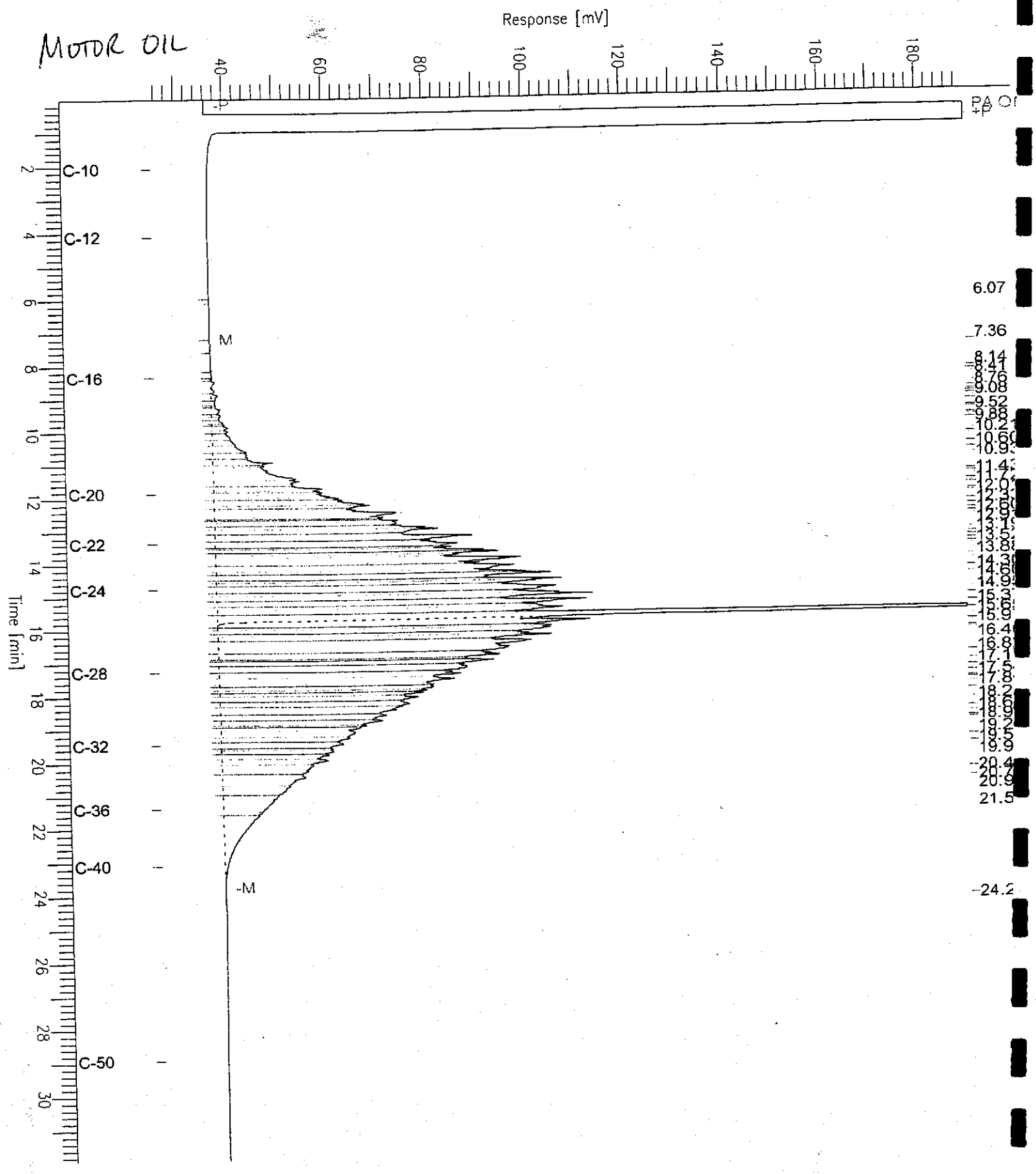


Chromatogram

ıple Name : ccv,01ws2330,mo
.eName : G:\GC13\CHB\353B004.RAW
:hod : BTEH321.MTH
ırt Time : 0.01 min End Time : 31.91 min
ıle Factor: 0.0 Plot Offset: 25 mV

Sample #: 500mg/L
Date : 12/19/2001 06:34 PM
Time of Injection: 12/19/2001 05:57 PM
Low Point : 25.32 mV High Point : 189.89 mV
Plot Scale: 164.6 mV

MOTOR OIL



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	155910	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 3520C
Project#:	133.018	Analysis:	8015B(M)
Matrix:	Water	Batch#:	68921
Units:	ug/L	Prepared:	12/19/01
Diln Fac:	1.000	Analyzed:	12/21/01

Type: BS
Lab ID: QC165848
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,045	82	45-110

Surrogate	%REC	Limits
Hexacosane	84	44-121

Type: BSD
Lab ID: QC165849
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,550	102	45-110	22	22

Surrogate	%REC	Limits
Hexacosane	105	44-121

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	155910	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Field ID:	MW-3	Batch#:	68850
Lab ID:	155910-001	Sampled:	12/10/01
Matrix:	Water	Received:	12/10/01
Units:	ug/L	Analyzed:	12/17/01
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	117	78-123
Toluene-d8	107	80-110
Bromofluorobenzene	98	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	155910	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Field ID:	MW-5	Batch#:	68783
Lab ID:	155910-002	Sampled:	12/10/01
Matrix:	Water	Received:	12/10/01
Units:	ug/L	Analyzed:	12/15/01
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	0.8	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	117	78-123
Toluene-d8	100	80-110
Bromofluorobenzene	108	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	155910	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Field ID:	MW-29	Batch#:	68783
Lab ID:	155910-003	Sampled:	12/10/01
Matrix:	Water	Received:	12/10/01
Units:	ug/L	Analyzed:	12/15/01
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	121	78-123
Toluene-d8	110	80-110
Bromofluorobenzene	107	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	155910	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC165332	Batch#:	68783
Matrix:	Water	Analyzed:	12/14/01
Units:	ug/L		

Analyte	Result	RL
MTBE	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	116	78-123
Toluene-d8	102	80-110
Bromofluorobenzene	94	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	155910	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC165566	Batch#:	68850
Matrix:	Water	Analyzed:	12/17/01
Units:	ug/L		

Analyte	Result	RL
MTBE	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	102	78-123
Toluene-d8	99	80-110
Bromofluorobenzene	103	80-115

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	155910	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	68783
Units:	ug/L	Analyzed:	12/14/01
Diln Fac:	1.000		

Type: BS Lab ID: QC165329

Analyte	Spiked	Result	%REC	Limits
Benzene	50.00	43.31	87	80-116
Toluene	50.00	43.04	86	80-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	102	78-123
Toluene-d8	99	80-110
Bromofluorobenzene	95	80-115

Type: BSD Lab ID: QC165330

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	50.00	45.08	90	80-116	4	20
Toluene	50.00	43.45	87	80-120	1	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	111	78-123
Toluene-d8	94	80-110
Bromofluorobenzene	95	80-115

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	155910	Location:	4th Ave Terminal
Client:	Subsurface Consultants	Prep:	EPA 5030B
Project#:	133.018	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	68850
Units:	ug/L	Analyzed:	12/17/01
Diln Fac:	1.000		

Type: BS Lab ID: QC165564

Analyte	Spiked	Result	%REC	Limits
Benzene	50.00	45.80	92	80-116
Toluene	50.00	44.49	89	80-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	112	78-123
Toluene-d8	103	80-110
Bromofluorobenzene	89	80-115

Type: BSD Lab ID: QC165565

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	50.00	41.88	84	80-116	9	20
Toluene	50.00	44.59	89	80-120	0	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	104	78-123
Toluene-d8	101	80-110
Bromofluorobenzene	96	80-115

RPD= Relative Percent Difference

(1) MONITORING WELL SCIMW-23

(2) MONITORING WELL SCIMW-23

SITE PHOTOGRAPHS

NINTH AVENUE TERMINAL
OAKLAND, CALIFORNIA

SCI
Subsurface Consultants, Inc.
Geotechnical & Environmental Engineers

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