TRANSMITTAL

Date: December 29, 2004
Project No. 133.023

Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Attention: Mr. Barney Chan

Subject: Transmittal of Annual Groundwater Monitoring Report – Toxic Case No. R02492
Ninth Avenue Terminal

We are sending one copy of the above-referenced material per your request.

Thank you for the opportunity to be of service.

Sincerely,

FUGRO WEST, INC.

Jeriann Alexander, P.E., R.E.A.
Associate Engineer

- ☐ Overnight a.m.
- ☐ Overnight p.m.
- ☒ Regular Mail
- ☐ Hand Delivery

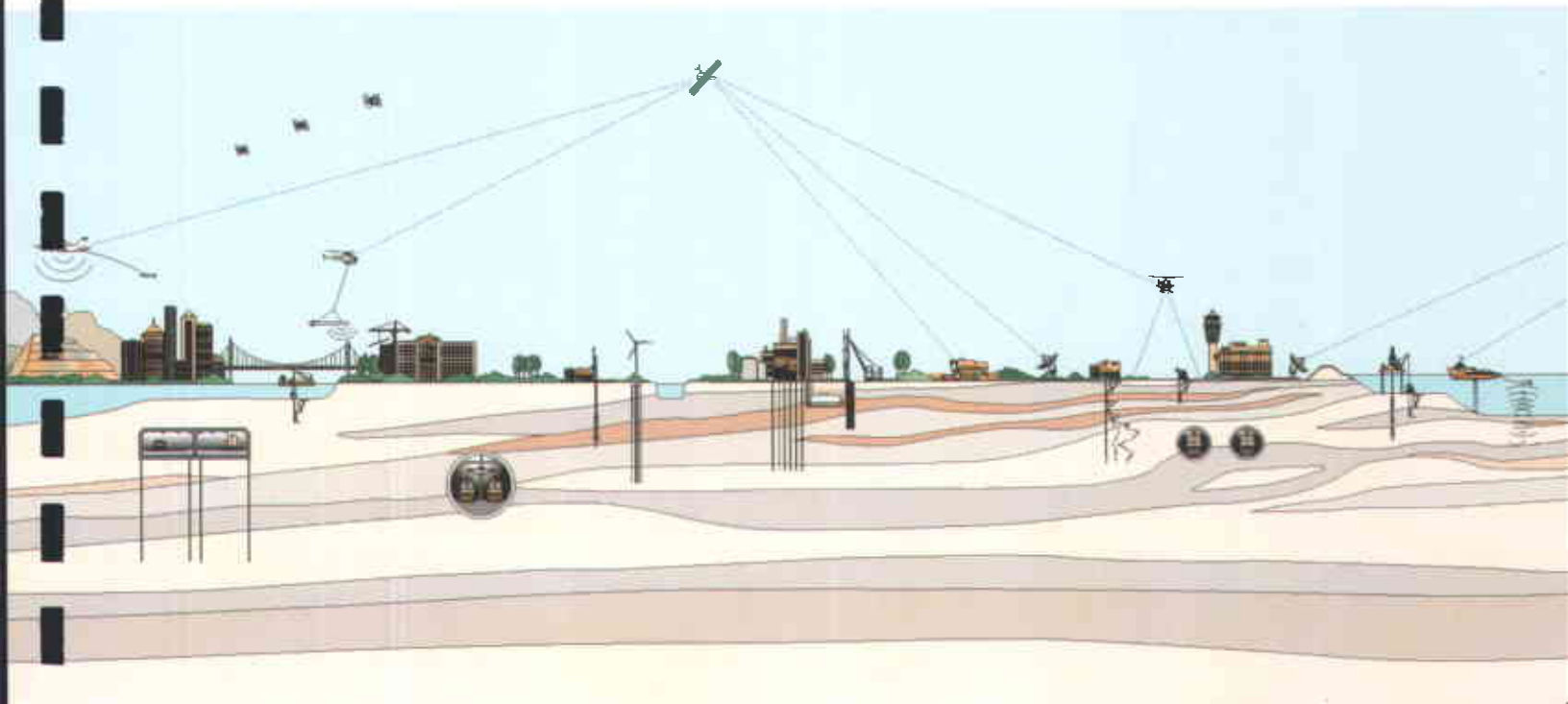
FUGRO WEST, INC.

GROUNDWATER MONITORING REPORT
FALL 2004 – ANNUAL EVENT
TOXIC CASE NO. R02492
NINTH AVENUE TERMINAL
OAKLAND, CALIFORNIA

Prepared for:
PORT OF OAKLAND

DECEMBER 2004

Project No. 133.023



PORT OF OAKLAND

December 27, 2004

Mr. Barney Chan
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Subject: **Transmittal of Annual Groundwater Monitoring Report**
TOXIC Case No. R02492 Ninth Avenue Terminal

Dear Mr. Chan:

As required by your July 22, 2004 letter, enclosed please find the Port of Oakland's annual groundwater monitoring report for the Ninth Avenue Terminal prepared by Fugro West, Inc. The next groundwater monitoring report will be submitted in approximately six months containing the groundwater monitoring results from SCIMW-7 (sampled quarterly) and SCIMW-24 (sampled semi-annually).

If you have any questions, contact me at 510-627-1467.

Sincerely,

Diane Heinze, P.E.
Associate Port Environmental Scientist

Encl: October 2004 Annual Groundwater Monitoring Report

Cc: w/encl:
Betty Graham, RWQCB
Kathleen Abbott, BBL
Jack Hochwarter, Zurich
Phil King, Bates, Meckler, Bulger & Tilson
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FUGRO WEST, INC.

1000 Broadway, Suite 200
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December 27, 2004
Project No. 133.023

Environmental Health & Safety Compliance Department
Port of Oakland
530 Water Street, Second Floor
Oakland, California 94607-2064

Attention: Ms. Dianne Heinze

Subject: Groundwater Monitoring Program Report, Fall 2004-Annual Event
Ninth Avenue Terminal, Oakland, California

Dear Ms. Heinze:

With this report, Fugro West, Inc. (Fugro), presents the results of the 2004 annual groundwater monitoring event conducted during the fall of 2004 at the Ninth Avenue Terminal (Site). The location of the Site is shown on Plate 1.

Previous investigations indicate that petroleum hydrocarbons, as well as other chemicals and metals have impacted soil and groundwater at the Site. Groundwater monitoring has been performed at the Site since 1993.

MONITORING ACTIVITIES

The current groundwater monitoring program, as approved by the Alameda County Environmental Health Care Services Agency (ACEH) in their letter dated July 22, 2004 (Appendix A), is outlined in the attached Table 1. In general, water levels are to be measured in all existing wells on an annual basis and selected wells are to be checked for the presence of free-floating product. The majority of wells are to be sampled and analytically tested on an annual basis, one well is sampled quarterly and one well is sampled semi-annually.

Initially, this annual event commenced on September 29, 2004 with groundwater level measurements. The depth to water was measured with an electronic well sounder, from below the top of the casing in all active wells. Groundwater level measurements were obtained from the tidally influenced wells[1] first, to minimize any potential discrepancies in elevation between wells across the Site. A summary of the recent groundwater elevation measurements is presented in Table 2. Groundwater contours for the current event are shown on Plate 2.

A-N West, Inc., a licensed land surveyor, conducted a wellhead survey of the active monitoring wells at the Site to address concerns regarding the influence that subsurface

[1] Wells located along the Clinton and Brooklyn Basin shorelines have shown that they are tidally influenced.

conditions have on the groundwater elevation data. The survey was performed during the period of October 6 through October 13, 2004. The top of casing elevation readings were obtained for a location marked/notched on the well casings. The top of casing elevation for each monitoring well and survey datum information are included in Table 2 and the A-N West, Inc. letter report is presented in Appendix B. The new survey information indicates the TOC elevations are within the normal instrument error for conducting this type of survey[2] and do not suggest there has been any significant elevation changes in the past 10 years for the following wells SCIMW-4, SCIMW-7, SCIMW-9, SCIMW-10, SCIMW-11, SCIMW-12, SCIMW-13, SCIMW-15, SCIMW-16, SCIMW-18, SCIMW-24, SCIMW-28, SCIMW-30, SCIMW-31D, SCIMW-33, and SCIMW-35. The TOC elevations for wells SCIMW-2, SCIMW-3, and SCIMW-34 have decreased in elevation, which may represent an episode of subsidence. The TOC elevations for wells MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, SCIMW-6, SCIMW-8, SCIMW-19, SCIMW-21, SCIMW-22, SCIMW-26, SCIMW-27, SCIMW-29, and SCIMW-32 have increased which may suggest that some uplift has occurred in areas where cargo containers had previously been stored.

Free product was observed in well MW-4 (8 inches), well MW-6 (16 inches), well SCIMW-3 (1 inch), and the "oil filled" manhole (trace) during this event. It is Fugro's field protocol to immediately remove free product when observed in wells. Fugro personnel used a disposable bailer to remove approximately 24 gallons of a water and free product mixture during this fall 2004 event. The mixture was placed in a 55-gallon drum and temporarily stored on-site. A water sample was not obtained from wells MW-4 and MW-6 during the event, however a free product sample was collected for analysis as required by ACEH. The free product data is presented in Table 4.

In total, 24 of the onsite wells were purged and sampled using disposable bailers during this annual event. Fugro placed the water generated during purging into 55-gallon drums, which were then temporarily stored on-site. The bailers were discarded after each use. The pH, temperature, Eh[3], TDS[4], and DO[5] measurements were recorded during purging. The wells were not considered purged until these environmental parameters had become reasonably stabilized. A Well Sampling Form was completed for each well sampled during the event. Well Sampling Forms are included in Appendix C.

Groundwater samples were obtained once the wells recharged to approximately 80 percent of the initial well volume. Samples were retained in pre-cleaned laboratory-supplied glass and polyethylene containers in accordance with EPA protocol. The sample containers were then placed into cooled chests and remained iced until delivery to the analytical laboratory under chain of custody.

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[2] Fugro assumed survey elevations within +/- 0.02' from previous survey elevation measurements would be considered within normal instrument error.

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

[4] TDS = Total Dissolved Solids

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

ANALYTICAL TESTING PROGRAM AND RESULTS

Curtis & Tompkins, Ltd. (C&T), a State of California Department of Health Services certified analytical laboratory, conducted the chemical testing for the event, in accordance with the testing program (Table 1). C&T has conducted all previous analytical services in conjunction with Fugro's historical studies at the Site. Comprehensive groundwater analytical test results are presented in Tables 3 through 9. Petroleum hydrocarbon, chlorinated pesticide, VOC and metal concentrations are shown on Plates 3 and 4. Analytical test reports, chromatographs and chain-of-custody forms for this event are included in Appendix D. Specific test results are discussed in the sections below.

CHEMICAL DATA

In general, the petroleum hydrocarbon, VOC and metal impacts to groundwater, resulting from previous Site activities, continue to appear localized to their respective areas of known use and/or releases. The chemical concentrations detected in the groundwater across the Site are consistent with historical findings. Specific chemical results of interest for this event are outlined below.

- Free product samples from wells MW-4 and MW-6 were analyzed for BTEX and MTBE. Analyses detected 5,660 parts per billion (ppb) of xylenes in well MW-6. Analyses detected no other BTEX or MTBE compounds in either of the free product samples analyzed[5]. The fingerprint of the free product samples matches diesel.

- TVH as gasoline range was analyzed for in wells SCIMW-7, SCIMW-11, SCIMW-24, SCIMW-34 and SCIMW-35. TVH as gasoline range was detected in wells SCIMW-7 and SCIMW-24 at 3,400 ppb, and 8,200 ppb, respectively. TVH as gasoline was non detectable in the groundwater samples from well SCIMW-11, SCIMW-34, and SCIMW-35. C&T commented that the sample chromatographs did not match the gasoline standard. SCIMW-7 contains VOC's, which are recognized as TVH within the gasoline range.

- TEH as diesel range was not detected in wells MW-2, MW-3, SCIMW-7, SCIMW-8, SCIMW-9, SCIMW-11, SCIMW-15, SCIMW-26, SCIMW-28, SCIMW-29, SCIMW-34, and SCIMW-35. TEH as diesel range was detected in wells MW-5, SCIMW-2, SCIMW-3, SCIMW-13, SCIMW24, and SCIMW-33. TEH as diesel ranged from 80 ppb (SCIMW-13) to 1,700 ppb (SCIMW-3).

- TEH as motor oil range was not detected in wells MW-2, MW-3, MW-5, SCIMW-2 SCIMW-7, SCIMW-8, SCIMW-9, SCIMW-11, SCIMW-13, SCIMW-15, SCIMW-26, SCIMW-28, SCIMW-29, SCIMW-33, SCIMW-34, and SCIMW-35. TEH as motor oil range was detected in wells SCIMW-3 and SCIMW24 at 7,400 ppb, and 950 ppb, respectively.

- Samples from wells SCIMW-7, SCIMW-11, SCIMW-22, SCIMW-24, SCIMW-28, SCIMW-30, SCIMW-31D, SCIMW-32, SCIMW-33, and SCIMW-35 were analyzed for BTEX. BTEX was non detectable in all wells tested except for wells SCIMW-7, SCIMW-24, and SCIMW-33. The sample from well SCIMW-7 contained 1,400 ppb of benzene, 6.6 ppb of ethylbenzene, 330 ppb of toluene, and 41 ppb of xylenes. The duplicate sample from well SCIMW-7 (SCIMW-7dup) contained 1,400 ppb of benzene. The sample from well SCIMW-24 contained 1,600 ppb of benzene, 37 ppb of ethylbenzene, 49 ppb of toluene, and 52 ppb of xylenes. The sample from well SCIMW-33 contained 22 ppb of xylenes.
- Samples from wells SCIMW-7, SCIMW-22, SCIMW-28, SCIMW-30, SCIMW-31D, SCIMW-32, and SCIMW-33 were analyzed for MTBE. Analyses detected no MTBE in any of the groundwater samples analyzed[6].
- Chlorinated pesticide analyses were conducted on samples collected from wells SCIMW-7 and SCIMW-33. Analyses detected 1.0 ppb 4-4'-DDD and of 0.3 ppb of Endosulfan II from well SCIMW-7 and 1.5 ppb 4-4'-DDD from well SCIMW-33.
- Samples from wells SCIMW-7, SCIMW-22, SCIMW-28, SCIMW-30, SCIMW-31D, SCIMW-32, and, SCIMW-33 were analyzed for VOCs. Well SCIMW-7 contained concentrations of chloroethane (1,200 ppb), 1,1 dichloroethane (4,800 ppb), cis-1,2 dichloroethene (5,600 ppb), 1,1,1-Trichloroethene (580 ppb), and Vinyl Chloride (1,900 ppb). SCIMW-7dup contained concentrations of chloroethane (970 ppb), 1,1 dichloroethane (3,900 ppb), cis-1,2 dichloroethene (4,800 ppb), 1,1,1-Trichloroethene (530 ppb), and Vinyl Chloride (1,300 ppb). Well SCIMW-33 contained 140 ppb of chlorobenzene. No detectable concentrations of VOCs were measured in well SCIMW-22, SCIMW-28, SCIMW-30, SCIMW-31D, and SCIMW-32.
- A filtered sample from well SCIMW-28 was submitted for heavy metal analyses. The sample contained 55 ppb of arsenic, 33 ppb of barium, and 33 ppb of vanadium. Well SCIMW-24 also contains TEH as diesel and motor oil range, and free product has previously been observed.

Tables 6, 7, and 9 include historic data for SVOCs, PNAs, and water quality ions, respectively. No samples were analyzed for these compounds/ions during this event, and no further testing of these analytes is included in the ongoing groundwater program. This data is presented herein to keep the historical analytical data for the Site intact.

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

GROUNDWATER QUALITY PARAMETER DATA

Table 6 presents groundwater quality parameter test results of samples from selected wells. Field measurements of pH, TDS, DO, Eh, and temperature are included in the table.

Initial down-hole pH readings ranged between about 6.04 (SCIMW-7) and 7.22 (SCIMW-31D). The readings for this event are considered within the normal range when compared to readings across the Site and appear similar to readings recorded over time.

TDS readings ranged from about 113 milligrams per liter (mg/l) (SCIMW-31D) to 22,230 mg/L (MW-3) during this event. In general, the TDS readings of the Site wells were higher than during the previous event (January 2003).

DO readings ranged from about 0.07 mg/L (MW-3) to 6.0 mg/L (SCIMW-11). In general, the DO readings of the Site wells were lower than during the previous event, which was conducted well into the winter of 2003. This may be associated with less surface water runoff infiltrating into the groundwater at the Site prior to the fall 2004 event.

Eh readings ranged from approximately –381.7 mV (SCIMW-30) to 211.1 mV (SCIMW-34). In general, the Eh readings of the Site wells were lower than during the previous event (January 2003).

Temperature readings ranged from about 18.13°C (SCIMW-29) to 24.59°C (SCIMW-31D). In general, the Temperature readings of the site wells were higher than during the previous event (January 2003).

WELL DESTRUCTION

On September 29, 2004 Fugro observed the destruction of monitoring well SCIMW-23. This well and others have been periodically monitored by the Port at the Site in accordance with ACEH requirements. Monitoring well SCIMW-23 was installed in April 1997. Based on a review of the analytical data generated at this well the Port petitioned to cease monitoring the subject well and to decommission it. The ACEH approved this petition in their letter dated July 27, 2004.

Fugro was retained by the Port to coordinate and provide oversight of field activities to destroy the well. Initially Fugro procured Drilling Permit W04-1011 from the Alameda County Public Works Agency (ACPWA). A copy of this permit is presented in Appendix E.

Fugro Geo Sciences, Inc. (FGS), a licensed drilling contractor, was retained by Fugro to conduct well decommissioning activities in general conformance with the ACPWA Drilling Permit requirements, as well as California Department of Water Resources (DWR) requirements set forth in DWR Bulletins 74-81 and 74-90.

Initially the 2-inch diameter PVC well was sounded to confirm no obstruction was present. The well was filled with neat cement grout placed under pressure to within approximately 0.5 to 1.0 feet below ground surface. FGS over-drilled and removed the upper 5

feet of the well construction materials. The well borehole was then capped with native soil cuttings to match the existing grade. Removed well materials were removed from the Site. The well location was checked the following day for any settlement and none was observed.

In accordance with DWR requirements, Fugro completed Water Well Drilling Report (DWR-188 form) for the well and has forwarded a copy to the appropriate regulatory agencies. A copy of the completed report is presented in Appendix F.

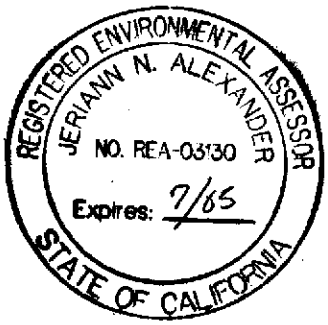
WASTE DISPOSAL ACTIVITIES

On October 29, 2004 four drums containing purge water and/or product from groundwater monitoring activities were removed from the Site. These drums were transported under a Uniform Hazardous Waste Manifest to an appropriate disposal facility. A Copy of the manifest is presented in Appendix G.

ONGOING MONITORING

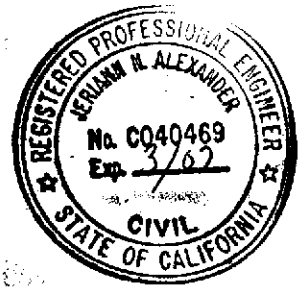
In accordance with the approved program, the next sampling event will be a quarterly event for SCIMW-7 performed during January 2005. During this event, sampling, and analytical testing will be performed as outlined in Table 1. Results of the quarterly event will be held and presented with the following semi-annual event report that will document the semi-annual sampling of wells SCIMW-7 and SCIMW-24.

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



Sincerely,
FUGRO WEST, INC.

Melissa L. Pleva
Staff Engineer & Geologist



for Jeriann N. Alexander, P.E., R.E.A.
REA No. 03130 (exp. 7/05)
Civil Engineer 40469 (exp. 3/07)

MLP/JNA:rp

Attachments:

Tables:
- Table 1. Groundwater Monitoring Program
- Table 2. Summary of Groundwater Elevation, Well Completion Details, and Product Thickness Data
- Table 3. Petroleum Hydrocarbon, BTEX, Pesticide and PCB Concentrations in Groundwater
- Table 4. Volatile Organic Concentrations in Groundwater
- Table 5. Heavy Metal Concentrations in Groundwater
- Table 6. Groundwater Quality Parameters
- Table 7. Historical Polynuclear Aromatic Concentrations in Groundwater
- Table 8. Historical Semi-Volatile Organic Concentrations in Groundwater
- Table 9. Historical Cyanide, Nitrate and Phosphorus Concentrations in Groundwater

Illustrations:
- Plate 1. Vicinity Map
- Plate 2. Groundwater Elevations, September 2004
- Plate 3. Petroleum and Pesticide Concentrations, September 2004
- Plate 4. VOC and Metals Concentrations, September 2004

Appendices:
- Appendix A. ACEH Letter Dated July 22, 2004
- Appendix B. A-N West, Inc. Wellhead Survey Letter
- Appendix C. Well Sampling Forms
- Appendix D. Analytical Test Reports, Chromatographs and Chain-of-Custody Records
- Appendix E. ACPWA Drilling Permit
- Appendix F. DWR-188 Report
- Appendix G. Waste Manifest

Copies Submitted: (1) Addressee
- Kathleen Abbott (Blashand, Bouck & Lee, Inc. –1)
- Barney Chan (Alameda County Environmental Health Care Services Agency –1)
- Michael Heffes (Deputy Port Authority –1)
- Betty Graham (Regional Water Quality Control Board –1)
- Jack Hochwarter (Zurich –1)
- Earl James (Erler & Kalinowski, Inc. –1)
- Phil King, Esq. (Bates, Meckler, Bulger & Tilson –1)
- Jonathan Redding (Wendel, Rosen, Black, & Dean, LLP –1)

TABLE 1
GROUNDWATER MONITORING PROGRAM
NINTH AVENUE TERMINAL, PORT OF OAKLAND
ANNUAL EVENT - OCTOBER 2004

Monitoring Well ID	BTEX	MTBE	TVH	TEHd, mo w/ silica gel	VOCs	Pesticides	Heavy Metals	Data to be Submitted to Geotracker
MW-1	Well Abandoned							
MW-2				A				
MW-3				A				
MW-4 FP	A	A	A	A				
MW-5				A				
MW-6 FP	A	A	A	A				
MW-7 H-107 *STID 3335*	Water level only							
SCIMW-1	Water level only							
SCIMW-2				A				
SCIMW-3				A				
SCIMW-4	Water level only							
SCIMW-5	Well Abandoned							
SCIMW-6	Water level only							
SCIMW-7			Q	Q	Q	Q		
SCIMW-8				A				
SCIMW-9				A				
SCIMW-10	Water level only							
SCIMW-11 H-204 STID 6894	A		A	A				T0600102210
SCIMW-12	Water level only							
SCIMW-13				A				
SCIMW-14	Well Abandoned							
SCIMW-15				A				
SCIMW-16	Water level only							
SCIMW-17	Well Abandoned							
SCIMW-18	Water level only							
SCIMW-19	Water level only							
SCIMW-20	Well Abandoned							
SCIMW-21	Water level only							
SCIMW-22					A			
SCIMW-23	Destroy Well							
SCIMW-24 H-204 *STID 6894*	SA	SA	SA	SA				T0600102210
SCIMW-25	Well Abandoned							
SCIMW-26			A					
SCIMW-27 STID 225	Water level only							
SCIMW-28				A	A		A	
SCIMW-29				A				
SCIMW-30					A			
SCIMW-31D					A			
SCIMW-32					A			
SCIMW-33				A	A	A		
SCIMW-34 H-317 *STID 5067*			A	A				
SCIMW-35 H-317 *STID 5067*	A		A	A				

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, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
MW-1	**TOC Elevation (Sep-93) =**	**9.99**	**Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL**	
9/20/1993	5.20	4.79	none	
12/1/1993	5.15	4.84	none	
3/31/1994	4.09	5.90	none	
6/2/1994	4.82	5.17	none	
9/30/1994	5.63	4.36	none	
12/22/1994	5.00	4.99	none	**Well Completion Details**
4/10/1995	4.94	5.05	none	2" DIA. PVC
7/24/1995	5.02	4.97	none	Screen Interval (5.5-15' bgs)
11/10/1995	5.52	4.47	none	Well Installed by Clayton Environmental Consultants
2/20/1996	4.49	5.50	none	
5/23/1996	5.04	4.95	none	
6/28/1996	5.13	4.86	none	
7/29/1996	5.21	4.78	none	
9/3/1996	5.37	4.62	none	
9/9/1996	5.65	4.34	none	
9/18/1996	5.35	4.64	none	
9/23/1996	5.36	4.63	none	
9/30/1996	5.39	4.60	none	
10/28/1996	5.09	4.90	none	
12/2/1996	4.80	5.19	none	
12/30/1996	4.25	5.74	none	
1/16/1997	4.37	5.62	none	
2/28/1997	4.00	5.99	none	
3/26/1997	4.80	5.19	none	
5/5/1997	5.02	4.97	none	
6/27/1997	5.12	4.87	none	
7/23/1997	5.20	4.79	none	
8/25/1997	5.20	4.79	none	
9/25/1997	5.28	4.71	none	
10/30/1997	5.40	4.59	none	
12/3/1997	5.07	4.92	none	
12/30/1997	5.13	4.86	none	
1/28/1998	4.95	5.04	none	
3/11/1998	4.75	5.24	none	
3/30/1998	4.82	5.17	none	
4/27/1998	4.92	5.07	none	
6/1/1998	4.97	5.02	none	
6/26/1998	5.05	4.94	none	
9/17/1998	5.31	4.68	none	
12/7/1998	5.23	4.76	none	
5/4/1999	5.21	4.78	none	
8/25/1999	7.11	2.88	none	
11/29/1999	5.40	4.59	none	
4/4/2000	5.30	4.69	none	
10/3/2000	--	--	--	
5/1/2001	5.25	4.74	none	
	Well Destroyed May 31, 2001			

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
MW-2	**TOC Elevation (Sep-93) =**	**10.32**	**Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL**	
9/20/1993	4.40	5.92	none	
12/1/1993	4.75	5.57	none	
3/31/1994	5.01	5.31	none	
6/2/1994	4.61	5.71	none	
9/30/1994	4.93	5.39	none	
12/22/1994	4.43	5.89	none	**Well Completion Details**
4/10/1995	4.03	6.29	none	2" DIA. PVC
7/24/1995	4.41	5.91	none	Screen Interval (5-15' bgs)
11/10/1995	4.59	5.73	none	Well Installed by Clayton Environmental Consultants
2/20/1996	3.81	6.51	none	
5/23/1996	4.41	5.91	none	
6/28/1996	3.81	6.51	none	
7/29/1996	3.81	6.51	none	
9/3/1996	3.98	6.34	none	
9/9/1996	4.00	6.32	none	
9/18/1996	4.08	6.24	none	
9/23/1996	4.08	6.24	none	
9/30/1996	4.08	6.24	none	
10/28/1996	4.34	5.98	none	
12/2/1996	4.30	6.02	none	
12/30/1996	3.92	6.40	none	
1/16/1997	3.99	6.33	none	
2/28/1997	3.88	6.44	none	
3/26/1997	3.83	6.49	none	
5/5/1997	3.85	6.47	none	
6/27/1997	3.77	6.55	none	
7/23/1997	3.88	6.44	none	
8/25/1997	3.88	6.44	none	
9/25/1997	3.95	6.37	none	
10/30/1997	5.32	5.00	none	
12/3/1997	4.98	5.34	none	
12/30/1997	4.95	5.37	none	
1/28/1998	4.96	5.36	none	
3/11/1998	5.02	5.30	none	
3/30/1998	4.45	5.87	none	
4/27/1998	4.62	5.70	none	
6/1/1998	5.15	5.17	none	
6/26/1998	4.77	5.55	none	
9/17/1998	5.03	5.29	none	
12/7/1998	4.96	5.36	none	
5/3/1999	4.85	5.47	none	
8/25/1999	5.01	5.31	none	
11/29/1999	5.05	5.27	none	
4/4/2000	4.81	5.51	none	
10/3/2000	5.28	5.04	none	
5/1/2001	4.90	5.42	none	
11/27/2001	--	--	--	
7/29/2002	4.94	5.38	none	
1/21/2003	5.22	5.10	none	
Oct-04	**TOC Elevation =**	**10.37**	**Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL**	
9/30/2004	5.02	5.35	none	

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
MW-3	TOC Elevation (Sep-93) =	10.18	Port of Oakland Datum	
9/20/1993	15.20	-5.02+	none	
12/1/1993	5.70	4.48	none	
3/31/1994	4.23	5.95	none	
6/2/1994	3.86	6.32	none	
9/30/1994	5.44	4.74	none	
12/22/1994	4.87	5.31	none	
4/10/1995	7.64	2.54+	none	
7/24/1995	3.62	6.56	none	
11/10/1995	5.11	5.07	none	
2/20/1996	4.14	6.04	none	
5/23/1996	4.49	5.69	none	
6/28/1996	--	--	--	
7/29/1996	4.64	5.54	none	
9/3/1996	4.48	5.70	none	
9/18/1996	6.42	3.76+	none	
9/23/1996	6.06	4.12	none	
9/30/1996	5.18	5.00	none	
10/28/1996	4.83	5.35	none	
12/2/1996	4.84	5.34	none	
12/30/1996	4.84	5.34	none	
1/16/1997	4.73	5.45	none	
3/5/1997	4.69	5.49	none	
3/26/1997	4.76	5.42	none	
5/5/1997	4.69	5.49	none	
6/27/1997	4.51	5.67	none	
7/23/1997	4.58	5.60	none	
8/25/1997	4.62	5.56	none	
9/25/1997	4.53	5.65	none	
10/30/1997	4.70	5.48	none	
12/3/1997	4.10	6.08	none	
12/30/1997	4.59	5.59	none	
1/28/1998	4.59	5.59	none	
3/11/1998	4.48	5.70	none	
3/30/1998	4.31	5.87	none	
4/27/1998	4.26	5.92	none	
6/1/1998	3.92	6.26	none	
6/26/1998	--	--	--	
9/17/1998	4.35	5.83	none	
12/7/1998	3.56	6.62	none	
5/4/1999	4.45	5.73	none	
8/25/1999	6.34	3.84	none	
11/29/1999	4.74	5.44	none	
4/4/2000	4.51	5.67	none	
10/3/2000	4.41	5.77	none	
5/1/2001	--	--	--	
12/10/2001	7.87	2.31	none	
7/29/2002	--	--	--	
1/21/2003	--	--	--	
Oct-04	TOC Elevation =	10.37	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	11.48	-1.11	none	
11/3/2004	4.52	5.85	none	

Well Completion Details

2" DIA. PVC
Screen Interval (10-20' bgs)
Well Installed by Clayton Environmental Consultants

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
MW-4	**TOC Elevation (Sep-93) =**	**11.98**	**Port of Oakland Datum**	
9/20/1993	5.80	6.18	8.04	
12/1/1993	4.10	7.88	trace	
3/31/1994	4.20	7.78	6.96	
6/2/1994	3.88	8.10	6.00	
9/30/1994	5.80	6.18	12.00	
12/22/1994	3.47	8.51	10.08	**Well Completion Details**
4/10/1995	3.80	8.18	0.00	2" DIA. PVC
5/16/1995	3.07	8.91	NA	Screen Interval (10-20' bgs)
7/24/1995	3.65	8.33	0.00	Well Installed by Clayton Environmental Consultants
11/10/1995	NA	NA	0.00	
2/20/1996	NA	NA	NA	
5/23/1996	2.96	9.02	0.00	
6/28/1996	3.93	8.05	2.38	
7/29/1996	5.09	6.89	0.50	
9/3/1996	4.65	7.33	0.25	
9/9/1996	5.15	6.83	0.50	
9/18/1996	5.45	6.53	0.13	
9/23/1996	4.80	7.18	0.38	
9/30/1996	4.88	7.10	0.06	
10/28/1996	5.12	6.86	0.25	
12/2/1996	3.22	8.76	2.00	
12/30/1996	2.94	9.04	0.25	
1/16/1997	3.22	8.76	trace	
2/28/1997	3.78	8.20	trace	
3/26/1997	3.90	8.08	trace	
5/5/1997	3.92	8.06	0.13	
6/27/1997	4.11	7.87	0.50	
7/23/1997	4.30	7.68	trace	
8/25/1997	3.55	8.43	trace	
9/25/1997	3.91	8.07	trace	
10/30/1997	4.98	7.00	0.13	
12/3/1997	3.60	8.38	0.50	
12/30/1997	3.52	8.46	trace	
1/28/1998	3.02	8.96	0.63	
3/11/1998	3.28	8.70	trace	
3/30/1998	3.29	8.69	trace	
4/27/1998	3.55	8.43	0.25	
6/1/1998	3.02	8.96	0.19	
6/26/1998	3.75	8.23	trace	
9/17/1998	4.45	7.53	0.25	
12/7/1998	3.35	8.63	0.38	
5/4/1999	--	--	--	
8/25/1999	4.65	7.33	0.85	
11/29/1999	5.17	6.81	0.38	
4/4/2000	--	--	trace	
10/3/2000	--	--	--	
5/2/2001	3.85	8.13	trace	
11/27/2001	--	--	0.25	
7/29/2002	--	--	0.25	
1/21/2003	--	--	0.50	
Oct-04	**TOC Elevation =**	**12.10**	**Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL**	
9/30/2004	5.25	6.85	8	

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
MW-5	TOC Elevation (Apr-95)=	11.84	Port of Oakland Datum	
4/10/95	4.64	7.20	none	
7/24/95	5.24	6.60	none	
11/10/95	5.38	6.46	none	
2/20/96	2.69	9.15	none	
5/23/96	2.67	9.17	none	
6/28/1996	5.29	6.55	none	
7/29/1996	5.35	6.49	none	
9/3/1996	5.44	6.40	none	
9/9/1996	5.45	6.39	none	
9/18/1996	5.51	6.33	none	
9/23/1996	5.51	6.33	none	
9/30/1996	5.49	6.35	none	
10/28/1996	5.56	6.28	none	
12/2/1996	4.64	7.20	none	
12/30/1996	2.42	9.42	none	
1/16/1997	3.46	8.38	none	
2/28/1997	5.14	6.70	none	
3/26/1997	5.28	6.56	none	
5/5/1997	5.39	6.45	none	
6/27/1997	5.45	6.39	none	
7/23/1997	5.39	6.45	none	
8/25/1997	5.18	6.66	none	
9/25/1997	5.40	6.44	none	
10/30/1997	5.45	6.39	none	
12/3/1997	2.42	9.42	none	
12/30/1997	5.04	6.80	none	
1/28/1998	2.79	9.05	none	
3/11/1998	4.54	7.30	none	
3/30/1998	4.60	7.24	none	
4/27/1998	5.18	6.66	none	
6/1/1998	3.17	8.67	none	
6/26/1998	5.31	6.53	none	
9/17/1998	5.44	6.40	none	
12/7/1998	3.79	8.05	none	
5/3/1999	5.25	6.59	none	
8/25/1999	5.46	6.38	none	
11/29/1999	5.31	6.53	none	
4/4/2000	5.28	6.56	none	
10/3/2003	5.37	6.47	none	
5/2/2001	5.10	6.74	none	
12/10/2001	5.39	6.45	none	
7/29/2002	5.58	6.26	none	
1/21/2003	4.92	6.92	none	
Oct-04	TOC Elevation =	11.95	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	5.58	6.37	none	

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.010" slot size)
Screen Interval (5-20' bgs)
Well Installed by Clayton Environmental Consultants

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
MW-6	**TOC Elevation =**	**11.86**	**Port of Oakland Datum**	
4/10/95	4.12	7.74	12.00	
7/24/95	5.19	6.67	13.20	
11/10/95	NA	NA	NA	
2/20/96	NA	NA	NA	
5/23/96	NA	NA	4.50	
6/28/1996	4.89	6.97	3.00	
7/29/1996	5.00	6.86	1.00	
9/3/1996	5.19	6.67	0.50	
9/9/1996	5.29	6.57	trace	
9/18/1996	5.34	6.52	trace	
9/23/1996	5.17	6.69	0.13	
9/30/1996	5.10	6.76	0.13	
10/28/1996	5.23	6.63	0.13	
12/2/1996	3.96	7.90	1.00	
12/30/1996	4.55	7.31	0.33	
1/16/1997	4.23	7.63	trace	
2/28/1997	4.54	7.32	0.50	
3/26/1997	4.54	7.32	trace	
5/5/1997	4.82	7.04	0.50	
6/27/1997	4.82	7.04	0.50	
7/23/1997	--	--	--	
8/25/1997	4.50	7.36	trace	
9/25/1997	3.94	7.92	7.25	
10/30/1997	5.06	6.80	2.00	
12/3/1997	4.88	6.98	7.00	
12/30/1997	4.53	7.33+	0.25	
1/28/1998	4.47	7.39	0.38	
3/11/1998	4.35	7.51	trace	
3/30/1998	4.45	7.41	trace	
4/27/1998	4.83	7.03	2.00	
6/1/1998	4.54	7.32	1.50	
6/26/1998	5.02	6.84	3.00	
9/17/1998	5.24	6.62	4.00	
12/7/1998	3.83	8.03	1.75	
5/4/1999	4.65	7.21	0.50	
8/25/1999	5.25	6.61	1.15	
11/29/1999	4.88	6.98	0.67	
4/4/2000	--	--	trace	
10/3/2003	--	--	12.00	
5/1/2001	4.60	7.26	none	
11/27/2001	--	--	--	
7/29/2002	--	--	--	
1/21/2003	5.81	6.05	2.00	
Oct-04	**TOC Elevation =**	**11.99**	**Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL**	
9/30/2004	4.17	7.82	16	

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.010" slot size)
Screen Interval (5-20' bgs)
Well Installed by Clayton Environmental Consultants

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
MW-7	TOC Elevation =	10.13	Port of Oakland Datum	
4/10/1995	4.41	5.72	none	
7/24/1995	3.72	6.41	none	
11/10/1995	4.78	5.35	none	
2/20/1996	4.13	6.00	none	
5/23/1996	4.69	5.44	none	
6/28/1996	3.81	6.32	none	
7/29/1996	4.32	5.81	none	
9/3/1996	4.65	5.48	none	
9/9/1996	4.79	5.34	none	
9/18/1996	4.45	5.68	none	
9/23/1996	4.28	5.85	none	
9/30/1996	4.18	5.95	none	
10/28/1996	4.48	5.65	none	
12/2/1996	4.88	5.25	none	
12/30/1996	3.62	6.51	none	
1/16/1997	3.65	6.48	none	
2/28/1997	3.71	6.42	none	
3/26/1997	3.71	6.42	none	
5/5/1997	3.80	6.33	none	
6/27/1997	3.71	6.42	none	
7/23/1997	--	--	--	
8/25/1997	3.73	6.40	none	
9/25/1997	3.75	6.38	none	
10/30/1997	3.88	6.25	none	
12/3/1997	3.58	6.55	none	
12/30/1997	3.67	6.46	none	
1/28/1998	3.48	6.65	none	
3/11/1998	3.64	6.49	none	
3/30/1998	3.65	6.48	none	
4/27/1998	3.26	6.87	none	
6/1/1998	3.67	6.46	none	
6/26/1998	3.63	6.50	none	
9/17/1998	3.75	6.38	none	
12/7/1998	3.82	6.31	none	
5/3/1999	3.67	6.46	none	
8/25/1999	3.80	6.33	none	
11/29/1999	4.00	6.13	none	
4/4/2000	3.67	6.46	none	
10/3/2000	3.82	6.31	none	
5/1/2001	4.70	5.43	none	
11/27/2001	4.70	5.43	none	
7/29/2002	6.70	3.43	none	
1/21/2003	4.70	5.43	none	
Oct-04	TOC Elevation =	10.18	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	3.37	6.81	none	

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.010" slot size)
Screen Interval (5-20' bgs)
Well Installed by Clayton Environmental Consultants

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-1	TOC Elevation (May-96) =	10.37	Port of Oakland Datum	
5/23/1996	5.28	5.09	none	
6/28/1996	5.75	4.62	none	
7/29/1996	5.81	4.56	none	
9/3/1996	5.98	4.39	none	
9/9/1996	6.04	4.33	none	
9/18/1996	6.04	4.33	none	
9/23/1996	6.07	4.30	none	
9/30/1996	6.00	4.37	none	
10/28/1996	6.10	4.27	none	
12/2/1996	5.52	4.85	none	
12/30/1996	4.66	5.71	none	
1/16/1997	5.08	5.29	none	
2/28/1997	5.38	4.99	none	
3/26/1997	5.54	4.83	none	
5/5/1997	5.86	4.51	none	
6/27/1997	5.76	4.61	none	
7/23/1997	5.59	4.78	none	
8/25/1997	5.41	4.96	none	
9/25/1997	5.60	4.77	none	
10/30/1997	5.79	4.58	none	
12/3/1997	4.80	5.57	none	
12/30/1997	4.94	5.43	none	
1/28/1998	4.59	5.78	none	
3/11/1998	4.70	5.67	none	
3/30/1998	4.62	5.75	none	
4/27/1998	4.84	5.53	none	
6/1/1998	4.61	5.76	none	
6/26/1998	4.94	5.43	none	
9/17/1998	5.35	5.02	none	
12/7/1998	4.81	5.56	none	
5/4/1999	5.16	5.21	none	
8/25/1999	5.85	4.52	none	
11/29/1999	5.81	4.56	none	
4/4/2000	5.10	5.27	none	
10/3/2000	5.62	4.75	none	
5/1/2001	5.00	5.37	none	
11/27/2001	4.99	5.38	none	
7/29/2002	5.19	5.18	none	
1/21/2003	4.64	5.73	none	
9/30/2004	--	--	--	Well not located

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.010" slot size)
Screen Interval (3-18' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-2	**TOC Elevation (May-96) =**	**9.92**	**Port of Oakland Datum**	
5/23/1996	5.88	4.04	none	
6/28/1996	7.33	2.59	none	
7/29/1996	7.43	2.49	none	
9/3/1996	6.54	3.38	none	
9/9/1996	4.67	5.25	none	
9/18/1996	6.50	3.42	none	
9/23/1996	3.78	6.14	none	
9/30/1996	6.18	3.74	none	
10/28/1996	3.72	6.20	none	
12/2/1996	6.60	3.32	none	
12/30/1996	4.57	5.35	none	
1/16/1997	6.10	3.82	none	
2/28/1997	7.04	2.88	none	
3/26/1997	6.59	3.33	none	
5/5/1997	7.03	2.89	none	
6/27/1997	6.50	3.42	none	
7/23/1997	7.23	2.69	none	
8/25/1997	5.90	4.02	none	
9/25/1997	3.81	6.11	none	
10/30/1997	3.32	6.60	none	
12/3/1997	3.54	6.38	none	
12/30/1997	3.60	6.32	none	
1/28/1998	2.42	7.50	none	
3/11/1998	3.33	6.59	none	
3/30/1998	7.08	2.84	none	
4/27/1998	7.36	2.56	none	
6/1/1998	5.78	4.14	none	
6/26/1998	7.02	2.90	none	
9/17/1998	5.85	4.07	none	
12/7/1998	6.40	3.52	none	
5/3/1999	5.40	4.52	none	
8/25/1999	6.92	3.00	none	
11/29/1999	6.07	3.85	none	
4/4/2000	7.09	2.83	none	
10/3/2000	5.89	4.75	none	
5/1/2001	6.81	3.11	none	
11/27/2001	3.69	6.23	none	
7/29/2002	7.00	2.92	none	
1/21/2003	4.13	5.79	none	
Oct-04	**TOC Elevation =**	**9.89**	**Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL**	
9/30/2004	6.65	3.24	none	

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.010" slot size)
Screen Interval (3-18' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-3	TOC Elevation (May-96) =	11.87	Port of Oakland Datum	
5/23/1996	4.65	7.22	none	
6/28/1996	4.86	7.01	none	
7/29/1996	5.03	6.84	none	
9/3/1996	5.20	6.67	none	
9/9/1996	5.28	6.59	none	
9/18/1996	5.24	6.63	none	
9/23/1996	5.26	6.61	none	
9/30/1996	5.31	6.56	none	
10/17/1996	5.43	6.44	none	
10/28/1996	5.58	6.29	none	
12/2/1996	5.78	6.09	none	
12/30/1996	5.49	6.38	none	
1/16/1997	5.41	6.46	none	
2/28/1997	5.27	6.60	none	
3/26/1997	4.98	6.89	none	
5/5/1997	4.93	6.94	none	
6/27/1997	4.83	7.04	none	
7/23/1997	4.94	6.93	none	
8/25/1997	5.10	6.77	none	
9/25/1997	5.14	6.73	none	
10/30/1997	5.55	6.32	none	
12/3/1997	5.30	6.57	none	
12/30/1997	5.13	6.74	none	
1/28/1998	4.71	7.16	none	
3/11/1998	--	--	--	
3/30/1998	4.13	7.74	none	
4/27/1998	4.02	7.85	none	
6/1/1998	4.30	7.57	none	
6/26/1998	4.11	7.76	none	
9/17/1998	7.58	4.29	none	
12/7/1998	5.56	6.31	none	
5/3/1999	4.92	6.95	none	
8/25/1999	5.30	6.57	none	
11/29/1999	5.70	6.17	none	
4/4/2000	4.87	7.00	none	
10/3/2000	5.38	6.49	none	
5/1/2001	4.94	6.93	none	
11/27/2001	6.00	5.87	none	
7/29/2002	4.99	6.88	none	
1/21/2003	4.14	7.73	none	
Oct-04	TOC Elevation =	11.82	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	5.5	6.32	1	

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.010" slot size)
Screen Interval (3-18' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-5	**TOC Elevation (Sept-96) =**	**10.19**	**Port of Oakland Datum**	
9/9/1996	5.56	4.63	none	
9/18/1996	4.68	5.51	none	
9/23/1996	4.42	5.77	none	
9/30/1996	4.44	5.75	none	
10/28/1996	4.40	5.79	none	
12/2/1996	4.95	5.24	none	
12/30/1996	4.21	5.98	none	
1/16/1997	4.07	6.12	none	
2/28/1997	4.74	5.45	none	
3/26/1997	4.53	5.66	none	
5/5/1997	4.49	5.70	none	
6/27/1997	4.63	5.56	none	
7/23/1997	4.74	5.45	none	
8/25/1997	4.40	5.79	none	
9/25/1997	4.26	5.93	none	
10/30/1997	4.37	5.82	none	
12/3/1997	4.21	5.98	none	
12/30/1997	4.20	5.99	none	
1/28/1998	2.55	7.64	none	
3/11/1998	4.38	5.81	none	
3/30/1998	3.95	6.24	none	
4/27/1998	3.86	6.33	none	
6/1/1998	4.66	5.53	none	
6/26/1998	3.90	6.29	none	
9/17/1998	4.41	5.78	none	
12/7/1998	4.55	5.64	none	
5/3/1999	4.93	5.26	none	
8/25/1999	4.48	5.71	none	
11/29/1999	4.45	5.74	none	
4/4/2000	6.65	3.54	none	
10/3/2000	4.59	5.60	none	
5/1/2001	4.87	5.32	none	
	Well Destroyed May 31, 2001			

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.010" slot size)
Screen Interval (3-18' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-6	TOC Elevation (Sept-96) =	10.55	Port of Oakland Datum	
9/9/1996	5.86	4.69	none	
9/18/1996	6.54	4.01	none	
9/23/1996	5.47	5.08	none	
9/30/1996	6.44	4.11	none	
10/28/1996	5.93	4.62	none	
12/2/1996	7.04	3.51	none	
12/30/1996	5.60	4.95	none	
1/16/1997	5.87	4.68	none	
2/28/1997	7.00	3.55	none	
3/26/1997	6.54	4.01	none	
5/5/1997	6.72	3.83	none	
6/27/1997	6.65	3.90	none	
7/23/1997	6.60	3.95	none	
8/25/1997	6.15	4.40	none	
9/25/1997	5.11	5.44	none	
10/30/1997	5.37	5.18	none	
12/3/1997	5.29	5.26	none	
12/30/1997	5.42	5.13	none	
1/28/1998	3.56	6.99	none	
3/11/1998	5.11	5.44	none	
3/30/1998	6.46	4.09	none	
4/27/1998	6.64	3.91	none	
6/1/1998	6.04	4.51	none	
6/26/1998	6.23	4.32	none	
9/17/1998	6.17	4.38	none	
12/7/1998	6.64	3.91	none	
5/3/1999	6.16	4.39	none	
8/25/1999	6.56	3.99	none	
11/25/1999	6.55	4.00	none	
4/4/2000	6.87	3.68	none	
10/3/2000	6.37	4.18	none	
5/1/2001	7.22	3.33	none	
11/27/2001	5.36	5.19	none	
7/29/2002	6.98	3.57	none	
1/21/2003	5.81	10.55	none	
Oct-04	TOC Elevation =	10.59	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	6.67	3.92	none	

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.010" slot size)
Screen Interval (3-18' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-8	**TOC Elevation (Sept-96) =**	**12.81**	**Port of Oakland Datum**	
9/9/1996	5.70	7.11	none	
9/18/1996	5.81	7.00	none	
9/23/1996	5.79	7.02	none	
9/30/1996	5.89	6.92	none	
10/17/1996	5.95	6.86	none	
10/28/1996	6.13	6.68	none	**Well Completion Details**
12/2/1996	5.39	7.42	none	2" DIA. SCH. 40 PVC
12/30/1996	4.98	7.83	none	Well Screen (0.010" slot size)
1/16/1997	5.11	7.70	none	Screen Interval (3-18' bgs)
2/28/1997	5.42	7.39	none	Well Installed by SCI
3/26/1997	5.39	7.42	none	
5/5/1997	5.40	7.41	none	
6/27/1997	5.45	7.36	none	
7/23/1997	--	--	--	
8/25/1997	5.21	7.60	none	
9/25/1997	5.49	7.32	none	
10/30/1997	5.61	7.20	none	
12/3/1997	5.09	7.72	none	
12/30/1997	4.19	8.62	none	
1/28/1998	--	--	--	
3/11/1998	--	--	--	
3/30/1998	--	--	--	
4/27/1998	5.06	7.75	none	
6/1/1998	4.18	8.63	none	
6/26/1998	5.17	7.64	none	
9/17/1998	5.56	7.25	none	
12/7/1998	5.17	7.64	none	
5/3/1999	5.13	7.68	none	
8/25/1999	6.95	5.86	none	
11/29/1999	5.45	7.36	none	
4/4/2000	5.10	7.71	none	
10/3/2000	5.31	7.50	none	
5/1/2001	5.22	7.59	none	
11/27/2001	5.30	7.51	none	
7/29/2002	5.54	7.27	none	
1/21/2003	5.18	7.63	none	
Oct-04	**TOC Elevation =**	**12.85**	**Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL**	
9/30/2004	5.56	7.29	none	

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-9	TOC Elevation (Sept-96) =	11.32	Port of Oakland Datum	
9/9/1996	4.92	6.40	none	
9/18/1996	4.94	6.38	none	
9/23/1996	4.94	6.38	none	
9/30/1996	4.92	6.40	none	
10/17/1996	4.97	6.35	none	
10/28/1996	5.07	6.25	none	
12/2/1996	4.71	6.61	none	
12/30/1996	4.51	6.81	none	
1/16/1997	4.66	6.66	none	
3/26/1997	4.60	6.72	none	
5/5/1997	4.65	6.67	none	
6/27/1997	4.71	6.61	none	
7/23/1997	4.77	6.55	none	
8/25/1997	4.72	6.60	none	
9/25/1997	--	--	--	
10/30/1997	4.90	6.42	none	
12/3/1997	--	--	--	
12/30/1997	4.60	6.72	none	
1/28/1998	4.40	6.92	none	
3/11/1998	4.11	7.21	none	
3/30/1998	4.38	6.94	none	
4/27/1998	4.35	6.97	none	
6/1/1998	4.08	7.24	none	
6/26/1998	4.42	6.90	none	
9/17/1998	4.68	6.64	none	
12/7/1998	4.52	6.80	none	
5/3/1999	4.51	6.81	none	
8/25/1999	4.72	6.60	none	
11/29/1999	4.63	6.69	none	
4/4/2000	4.25	7.07	none	
10/3/2000	4.71	6.61	none	
5/1/2001	3.30	8.02	none	
11/27/2001	3.82	7.50	none	
7/29/2002	4.64	6.68	none	
1/21/2003	3.91	7.41	none	
Oct-04	TOC Elevation =	11.34	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	5.18	6.16	none	

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.010" slot size)
Screen Interval (3-18' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-10	TOC Elevation (Sept-96) =	12.56	Port of Oakland Datum	
9/9/1996	4.61	7.95	none	
9/18/1996	4.87	7.69	none	
9/23/1996	4.81	7.75	none	
9/30/1996	4.91	7.65	none	
10/17/1996	5.03	7.53	none	
10/28/1996	5.31	7.25	none	
12/2/1996	5.15	7.41	none	
12/30/1996	4.60	7.96	none	
1/16/1997	4.69	7.87	none	
2/28/1997	4.47	8.09	none	
3/26/1997	4.33	8.23	none	
5/5/1997	4.21	8.35	none	
6/27/1997	5.71	6.85	none	
7/23/1997	5.96	6.60	none	
8/25/1997	6.07	6.49	none	
9/25/1997	5.90	6.66	none	
10/30/1997	6.60	5.96	none	
12/3/1997	--	--	--	
12/30/1997	6.10	6.46	none	
1/28/1998	4.97	7.59	none	
3/11/1998	--	--	--	
3/30/1998	5.36	7.20	none	
4/27/1998	5.21	7.35	none	
6/1/1998	5.18	7.38	none	
6/26/1998	5.17	7.39	none	
9/17/1998	4.92	7.64	none	
12/7/1998	6.07	6.49	none	
5/3/1999	5.25	7.31	none	
8/25/1999	6.65	5.91	trace	
11/29/1999	6.58	5.98	none	
4/4/2000	4.08	8.48	none	
10/3/2000	5.99	6.57	none	
5/1/2001	5.68	6.88	none	
11/27/2001	6.71	5.85	none	
7/29/2002	5.85	6.71	none	
1/21/2003	6.67	5.89	none	
Oct-04	TOC Elevation =	12.57	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	6.13	6.44	none	

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.010" slot size)
Screen Interval (3-18' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-11	TOC Elevation (Sept-96) =	9.49	Port of Oakland Datum	
9/9/1996	5.66	3.83	none	
9/18/1996	6.39	3.10	none	
9/23/1996	4.12	5.37	none	
9/30/1996	6.24	3.25	none	
10/28/1996	5.46	4.03	none	
12/2/1996	6.03	3.46	none	
12/30/1996	3.56	5.93	none	
1/16/1997	5.17	4.32	none	
2/28/1997	6.60	2.89	none	
3/26/1997	6.85	2.64	none	
5/5/1997	6.94	2.55	none	
6/27/1997	5.94	3.55	none	
7/23/1997	7.18	2.31	none	
8/25/1997	5.04	4.45	none	
9/25/1997	3.31	6.18	none	
10/30/1997	3.81	5.68	none	
12/3/1997	4.85	4.64	none	
12/30/1997	1.63	7.86	none	
1/28/1998	3.64	5.85	none	
3/11/1998	3.37	6.12	none	
3/30/1998	7.02	2.47	none	
4/27/1998	7.33	2.16	none	
6/1/1998	--	--	--	
6/26/1998	--	--	--	
9/23/1998	4.77	4.72	none	
12/7/1998	6.17	3.32	none	
5/3/1999	6.01	3.48	none	
8/25/1999	4.31	5.18	none	
11/29/1999	5.42	4.07	none	
4/4/2000	7.00	2.49	none	
10/3/2000	5.49	4.00	none	
5/1/2001	6.95	2.54	none	
11/27/2001	3.55	5.94	none	
7/29/2002	6.85	2.64	none	
1/21/2003	5.90	3.59	none	
Oct-04	TOC Elevation =	9.51	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	6.72	2.79	none	

Well Completion Details
2" DIA. SCH. 40 PVC
Well Screen (0.010" slot size)
Screen Interval (3-18' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-12	TOC Elevation (Sept-96) =	10.94	Port of Oakland Datum	
9/9/1996	6.85	4.09	none	
9/18/1996	7.24	3.70	none	
9/23/1996	5.59	5.35	none	
9/30/1996	7.26	3.68	none	
10/28/1996	7.00	3.94	none	
12/2/1996	7.31	3.63	none	
12/30/1996	5.12	5.82	none	
1/16/1997	6.41	4.53	none	
2/28/1997	7.19	3.75	none	
3/26/1997	7.24	3.70	none	
5/5/1997	7.26	3.68	none	
6/27/1997	7.09	3.85	none	
7/23/1997	7.24	3.70	none	
8/25/1997	6.61	4.33	none	
9/25/1997	4.69	6.25	none	
10/30/1997	5.24	5.70	none	
12/3/1997	6.53	4.41	none	
12/30/1997	2.90	8.04	none	
1/28/1998	5.11	5.83	none	
3/11/1998	4.83	6.11	none	
3/30/1998	7.22	3.72	none	
4/27/1998	7.23	3.71	none	
6/1/1998	7.00	3.94	none	
6/1/1998	7.20	3.74	none	
9/17/1998	6.80	4.14	none	
12/7/1998	7.21	3.73	none	
5/3/1999	7.19	3.75	none	
8/25/1999	6.91	4.03	none	
11/29/1999	6.91	4.03	none	
4/4/2000	6.41	4.53	none	
10/3/2000	6.66	4.28	none	
5/1/2001	6.00	4.94	none	
11/27/2001	5.19	5.75	none	
7/29/2002	7.20	3.74	none	
1/21/2003	7.19	3.75	none	
Oct-04	TOC Elevation =	10.95	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	7.27	3.68	none	

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.010" slot size)
Screen Interval (3-18' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-13	TOC Elevation (Sept-96) =	12.56	Port of Oakland Datum	
9/9/1996	5.35	7.21	none	
9/18/1996	5.47	7.09	none	
9/23/1996	5.51	7.05	none	
9/30/1996	4.94	7.62	none	
10/17/1996	5.70	6.86	none	
10/28/1996	5.86	6.70	none	
12/2/1996	5.91	6.65	none	
12/30/1996	5.70	6.86	none	
1/16/1997	5.63	6.93	none	
2/28/1997	5.31	7.25	none	
3/26/1997	5.14	7.42	trace	
5/5/1997	4.99	7.57	none	
6/27/1997	4.92	7.64	none	
7/23/1997	--	--	--	
8/25/1997	--	--	--	
9/25/1997	5.14	7.42	none	
10/30/1997	5.75	6.81	none	
12/3/1997	5.55	7.01	none	
12/30/1997	5.43	7.13	none	
1/28/1998	5.08	7.48	none	
3/11/1998	4.46	8.10	none	
3/30/1998	4.42	8.14	none	
4/27/1998	4.22	8.34	none	
6/1/1998	4.24	8.32	none	
6/26/1998	4.25	8.31	none	
9/17/1998	5.14	7.42	none	
12/7/1998	5.78	6.78	none	
5/3/1999	4.61	7.95	none	
8/25/1999	5.32	7.24	none	
11/29/1999	5.83	6.73	none	
4/4/2000	4.84	7.72	none	
10/3/2000	5.52	7.04	none	
5/1/2001	4.75	7.81	none	
11/27/2001	5.79	6.77	none	
7/29/2002	5.12	7.44	none	
1/21/2003	5.56	7.00	none	
Oct-04	TOC Elevation =	12.57	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	5.7	6.87	none	

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.010" slot size)
Screen Interval (3-18' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-14	TOC Elevation (Sept-96) =	13.64	Port of Oakland Datum	
9/9/1996	8.28	5.36	none	
9/18/1996	8.50	5.14	none	
9/23/1996	8.18	5.46	none	
9/30/1996	8.41	5.23	none	
10/28/1996	8.43	5.21	none	
12/2/1996	8.56	5.08	none	
12/30/1996	7.89	5.75	none	
1/16/1997	8.00	5.64	none	
2/28/1997	8.48	5.16	none	
3/26/1997	8.34	5.30	none	
5/5/1997	8.30	5.34	none	
6/27/1997	8.20	5.44	none	
7/23/1997	8.30	5.34	none	
8/25/1997	8.09	5.55	none	
9/25/1997	7.81	5.83	none	
10/30/1997	8.17	5.47	none	
12/3/1997	7.58	6.06	none	
12/30/1997	7.52	6.12	none	
1/28/1998	7.19	6.45	none	
3/11/1998	7.21	6.43	none	
3/30/1998	7.41	6.23	none	
4/27/1998	7.99	5.65	none	
6/1/1998	7.59	6.05	none	
6/26/1998	8.07	5.57	none	
9/17/1998	8.16	5.48	none	
12/7/1998	7.73	5.91	none	
5/3/1999	7.64	6.00	none	
8/25/1999	7.95	5.69	none	
11/29/1999	8.34	5.30	none	
4/4/2000	8.03	5.61	none	
10/3/2000	8.21	5.43	none	
5/1/2001	7.95	5.69	none	
	Well Destroyed May 30, 2001			

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.010" slot size)
Screen Interval (3-18' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-15	**TOC Elevation (Sept-96) =**	**13.45**	**Port of Oakland Datum**	
9/9/1996	8.60	4.85	none	
9/18/1996	8.61	4.84	none	
9/23/1996	8.62	4.83	none	
9/30/1996	8.51	4.94	none	
10/28/1996	8.72	4.73	none	
12/2/1996	8.91	4.54	none	**Well Completion Details**
12/30/1996	8.36	5.09	none	2" DIA. SCH. 40 PVC
1/16/1997	8.44	5.01	none	Well Screen (0.010" slot size)
2/28/1997	8.54	4.91	none	Screen Interval (3-18' bgs)
3/26/1997	8.57	4.88	none	Well Installed by SCI
5/5/1997	8.73	4.72	none	
6/27/1997	8.42	5.03	none	
7/23/1997	8.28	5.17	none	
8/25/1997	8.31	5.14	none	
9/25/1997	8.32	5.13	none	
10/30/1997	--	--	--	
12/3/1997	8.21	5.24	none	
12/30/1997	8.23	5.22	none	
1/28/1998	8.14	5.31	none	
3/11/1998	--	--	--	
3/30/1998	--	--	--	
4/27/1998	--	--	--	
6/1/1998	8.11	5.34	none	
6/26/1998	8.00	5.45	none	
9/17/1998	8.28	5.17	none	
12/7/1998	8.63	4.82	none	
5/3/1999	8.30	5.15	none	
8/25/1999	8.75	4.70	none	
11/29/1999	8.74	4.71	none	
4/4/2000	8.28	5.17	none	
10/3/2000	8.48	4.97	none	
5/1/2001	8.40	5.05	none	
11/27/2001	4.85	8.60	none	
7/29/2002	--	--	--	
1/22/2003	8.33	5.12	none	
Oct-04	**TOC Elevation =**	**13.46**	**Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL**	
9/30/2004	8.49	4.97	none	

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-16	TOC Elevation (Sept-96) =	10.40	Port of Oakland Datum	
9/9/1996	3.59	6.81	none	
9/18/1996	3.46	6.94	none	
9/23/1996	3.44	6.96	none	
9/30/1996	3.44	6.96	none	
10/28/1996	4.39	6.01	none	
12/2/1996	3.64	6.76	none	
12/30/1996	3.19	7.21	none	
1/16/1997	3.37	7.03	none	
2/28/1997	3.47	6.93	none	
3/26/1997	3.39	7.01	none	
5/5/1997	3.27	7.13	none	
6/27/1997	3.27	7.13	none	
7/23/1997	3.39	7.01	none	
8/25/1997	3.11	7.29	none	
9/25/1997	3.35	7.05	none	
10/30/1997	3.19	7.21	none	
12/3/1997	3.22	7.18	none	
12/30/1997	--	--	--	
1/28/1998	--	--	--	
3/11/1998	3.23	7.17	none	
3/30/1998	3.24	7.16	none	
4/27/1998	3.26	7.14	none	
6/1/1998	3.10	7.30	none	
6/26/1998	3.07	7.33	none	
9/17/1998	3.36	7.04	none	
12/7/1998	3.83	6.57	none	
5/3/1999	3.72	6.68	none	
8/25/1999	5.65	4.75	none	
11/29/1999	3.74	6.66	none	
4/4/2000	3.75	6.65	none	
10/3/2000	3.76	6.64	none	
5/1/2001	4.10	6.30	none	
11/27/2001	3.68	6.72	none	
7/29/2002	4.01	6.39	none	
1/21/2003	3.80	6.60	none	
Oct-04	TOC Elevation =	10.41	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	4.11	6.30	none	

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.010" slot size)
Screen Interval (3-18' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-17	TOC Elevation (Sept-96) =	10.14	Port of Oakland Datum	
9/9/1996	3.59	6.55	none	
9/18/1996	2.83	7.31	none	
9/23/1996	2.96	7.18	none	
9/30/1996	3.00	7.14	none	
10/28/1996	3.04	7.10	none	
12/2/1996	2.86	7.28	none	
12/30/1996	0.18	9.96	none	
1/16/1997	2.47	7.67	none	
2/28/1997	2.63	7.51	none	
3/26/1997	2.51	7.63	none	
5/5/1997	2.63	7.51	none	
6/27/1997	1.87	8.27	none	
7/23/1997	5.61	4.53+	none	
8/25/1997	3.65	6.49	none	
9/25/1997	5.50	4.64+	none	
10/30/1997	3.17	6.97	none	
12/3/1997	4.94	5.20+	none	
12/30/1997	2.67	7.47	none	
1/28/1998	2.25	7.89	none	
3/11/1998	2.25	7.89	none	
3/30/1998	2.35	7.79	none	
4/27/1998	2.36	7.78	none	
6/1/1998	2.27	7.87	none	
6/26/1998	4.51	5.63	none	
9/17/1998	3.20	6.94	none	
12/7/1998	3.66	6.48	none	
5/3/1999	3.02	7.12	none	
8/25/1999	4.95	5.19	none	
11/29/1999	3.49	6.65	none	
4/4/2000	3.45	6.69	none	
10/3/2000	--	--	--	
	Well Destroyed May 30, 2001			

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.010" slot size)
Screen Interval (3-18' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-18	TOC Elevation (Sept-96) =	10.81	Port of Oakland Datum	
9/9/1996	5.59	5.22+	none	
9/18/1996	3.86	6.95	none	
9/23/1996	3.82	6.99	none	
9/30/1996	3.85	6.96	none	
10/17/1996	4.00	6.81	none	
10/28/1996	4.18	6.63	none	
12/2/1996	4.06	6.75	none	
12/30/1996	3.60	7.21	none	
1/16/1997	3.83	6.98	none	
2/28/1997	3.56	7.25	none	
3/26/1997	4.70	6.11	none	
5/5/1997	3.36	7.45	none	
6/27/1997	3.17	7.64	none	
7/23/1997	3.42	7.39	none	
8/25/1997	3.49	7.32	none	
9/25/1997	3.42	7.39	none	
10/30/1997	3.97	6.84	none	
12/3/1997	3.85	6.96	none	
12/30/1997	3.83	6.98	none	
1/28/1998	3.57	7.24	none	
3/11/1998	3.40	7.41	none	
3/30/1998	3.36	7.45	none	
4/27/1998	3.15	7.66	none	
6/1/1998	3.09	7.72	none	
6/26/1998	3.15	7.66	none	
9/17/1998	3.58	7.23	none	
12/7/1998	4.01	6.80	none	
5/3/1999	3.25	7.56	none	
8/25/1999	5.85	4.96	none	
11/29/1999	4.14	6.67	none	
4/4/2000	4.45	6.36	none	
10/3/2000	3.70	7.11	none	
5/1/2001	5.89	10.81	none	
11/27/2001	6.05	4.76	none	
7/29/2002	6.01	4.80	none	
1/21/2003	3.95	6.86	none	
Oct-04	TOC Elevation =	10.82	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	5.92	4.90	none	

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-19	TOC Elevation (Sept-96) =	10.46	Port of Oakland Datum	
9/9/1996	4.30	6.16	none	
9/18/1996	4.36	6.10	none	
9/23/1996	4.32	6.14	none	
9/30/1996	4.23	6.23	none	
10/28/1996	4.45	6.01	none	
12/2/1996	3.54	6.92	none	
12/30/1996	2.59	7.87	none	
1/16/1997	3.04	7.42	none	
2/28/1997	3.69	6.77	none	
3/26/1997	3.69	6.77	none	
5/5/1997	3.82	6.64	none	
6/27/1997	3.94	6.52	none	
7/23/1997	3.89	6.57	none	
8/25/1997	3.78	6.68	none	
9/25/1997	4.02	6.44	none	
10/30/1997	4.12	6.34	none	
12/3/1997	3.11	7.35	none	
12/30/1997	3.52	6.94	none	
1/28/1998	2.91	7.55	none	
3/11/1998	3.08	7.38	none	
3/30/1998	3.16	7.30	none	
4/27/1998	3.38	7.08	none	
6/1/1998	3.00	7.46	none	
6/26/1998	3.58	6.88	none	
9/17/1998	4.08	6.38	none	
12/7/1998	3.24	7.22	none	
5/3/1999	3.54	6.92	none	
8/25/1999	4.60	5.86	none	
11/29/1999	4.00	6.46	none	
4/4/2000	3.56	6.90	none	
10/3/2000	4.18	6.28	none	
5/1/2001	3.60	6.86	none	
11/27/2001	3.62	6.84	none	
7/29/2002	4.10	6.36	none	
1/21/2003	3.62	6.84	none	
Oct-04	TOC Elevation =	10.55	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	4.1	6.45	none	

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.010" slot size)
Screen Interval (3-18' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)
SCIMW-20	TOC Elevation (Sept-96) =	9.11	Port of Oakland Datum
9/9/1996	2.08	7.03	none
9/18/1996	2.27	6.84	none
9/23/1996	2.26	6.85	none
9/30/1996	2.34	6.77	none
10/28/1996	2.68	6.43	none
12/2/1996	1.45	7.66	none
12/30/1996	1.12	7.99	none
1/16/1997	1.44	7.67	none
2/28/1997	1.60	7.51	none
3/26/1997	1.54	7.57	none
5/5/1997	1.65	7.46	none
6/27/1997	1.92	7.19	none
7/23/1997	2.05	7.06	none
8/25/1997	1.62	7.49	none
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
1/28/1998	1.30	7.81	none
3/11/1998	1.35	7.76	none
3/30/1998	1.43	7.68	none
4/27/1998	1.51	7.60	none
6/1/1998	1.29	7.82	none
6/26/1998	1.76	7.35	none
9/17/1998	2.32	6.79	none
12/7/1998	1.71	7.40	none
5/3/1969	1.42	7.69	none
8/25/1999	2.19	6.92	none
11/29/1999	5.71	6.41	none
4/4/2000	1.52	7.59	none
10/3/2000	--	--	--
5/1/2001	2.09	7.02	none
	Well Destroyed May 30, 2001		

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.010" slot size)
Screen Interval (3-18' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-21	TOC Elevation (May-97) =	9.67	Port of Oakland Datum	
5/5/1997	2.23	7.44	none	
6/27/1997	2.40	7.27	none	
7/23/1997	2.75	6.92	none	
8/25/1997	2.87	6.80	none	
9/25/1997	3.00	6.67	none	
10/30/1997	3.16	6.51	none	
12/3/1997	2.21	7.46	none	
12/30/1997	2.11	7.56	none	
1/28/1998	1.67	8.00	none	
3/11/1998	1.27	8.40	none	
3/30/1998	1.35	8.32	none	
4/27/1998	1.41	8.26	none	
6/1/1998	1.16	8.51	none	
6/26/1998	1.76	7.91	none	
9/17/1998	2.13	7.54	none	
12/7/1998	1.71	7.96	none	
5/3/1999	1.35	8.32	none	
8/25/1999	1.35	8.32	none	
11/29/1999	0.69	8.98	none	
4/4/2000	0.50	9.17	none	
10/3/2000	1.92	7.75	none	
5/1/2001	2.68	6.99	none	
11/27/2001	2.78	6.89	none	
7/29/2002	3.19	6.48	none	
1/21/2003	2.84	6.83	none	
Oct-04	TOC Elevation =	9.70	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	3.21	6.49	none	

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.020" slot size)
Screen Interval (3-18' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-22	TOC Elevation (May-97) =	12.00	Port of Oakland Datum	
5/5/1997	3.78	8.22	none	
6/27/1997	4.10	7.90	none	
7/23/1997	4.34	7.66	none	
8/25/1997	4.04	7.96	none	
9/25/1997	4.31	7.69	none	
10/30/1997	4.39	7.61	none	**Well Completion Details**
12/3/1997	4.05	7.95	none	2" DIA. SCH. 40 PVC
12/30/1997	4.48	7.52	none	Well Screen (0.020" slot size)
1/28/1998	4.03	7.97	none	Screen Interval (3-18' bgs)
3/11/1998	4.07	7.93	none	Well Installed by SCI
3/30/1998	3.87	8.13	none	
4/27/1998	4.21	7.79	none	
6/1/1998	3.59	8.41	none	
6/26/1998	4.21	7.79	none	
9/17/1998	4.76	7.24	none	
12/7/1998	3.93	8.07	none	
5/3/1999	4.34	7.66	none	
8/25/1999	5.71	6.29	none	
11/29/1999	5.19	6.81	none	
4/4/2000	4.50	7.50	none	
10/3/2000	6.64	5.36	none	
5/1/2001	5.00	7.00	none	
11/27/2001	4.65	7.35	none	
7/29/2002	4.41	7.59	none	
1/21/2003	4.68	7.32	none	
Oct-04	TOC Elevation =	12.03	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	5.95	6.08	none	

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)
SCIMW-23	TOC Elevation (May-97) =	9.74	Port of Oakland Datum
5/5/1997	4.19	5.55	none
6/27/1997	4.10	5.64	none
7/23/1997	4.43	5.31	none
8/25/1997	4.37	5.37	none
9/25/1997	--	--	--
10/30/1997	4.27	5.47	none
12/3/1997	3.24	6.50	none
12/30/1997	3.52	6.22	none
1/28/1998	3.02	6.72	none
3/11/1998	3.32	6.42	none
3/30/1998	3.35	6.39	none
4/27/1998	--	--	--
6/1/1998	--	--	--
6/26/1998	--	--	--
9/17/1998	4.28	5.46	none
12/10/1998	3.35	6.39	none
5/3/1999	3.65	6.09	none
8/25/1999	4.35	5.39	none
11/29/1999	4.18	5.56	none
4/4/2000	6.95	2.79	none
10/3/2000	4.55	5.19	none
5/1/2001	3.80	5.94	none
11/27/2001	3.58	6.16	none
7/29/2002	--	--	--
1/21/2003	--	--	--
	Well Destroyed September 30, 2004		

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.020" slot size)
Screen Interval (3-18' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-24	TOC Elevation (May-97) =	9.74	Port of Oakland Datum	
5/5/1997	5.30	4.44	none	
6/27/1997	4.85	4.89	none	
7/23/1997	4.79	4.95	none	
8/25/1997	4.28	5.46	none	
9/25/1997	4.45	5.29	none	
10/30/1997	4.67	5.07	none	
12/3/1997	3.63	6.11	none	
12/30/1997	3.58	6.16	none	
1/28/1998	3.58	6.16	none	
3/11/1998	--	--	--	
3/30/1998	4.23	5.51	none	
4/27/1998	4.55	5.19	none	
6/1/1998	3.96	5.78	none	
6/26/1998	4.21	5.53	none	
9/17/1998	4.78	4.96	none	
12/7/1998	3.95	5.79	none	
5/3/1999	4.60	5.14	none	
8/25/1999	5.15	4.59	0.50	
11/29/1999	4.75	4.99	none	
4/4/2000	4.69	5.05	none	
10/3/2000	4.79	4.95	none	
5/2/2001	4.80	4.94	none	
11/27/2001	4.37	5.37	none	
7/29/2002	4.57	5.17	none	
1/21/2003	4.00	5.74	none	
Oct-04	TOC Elevation =	9.72	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	4.61	5.11	none	

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.020" slot size)
Screen Interval (3-18' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-25	TOC Elevation (May-97) =	8.30	Port of Oakland Datum	
5/5/1997	1.00	7.30	none	
6/27/1997	2.11	6.19	none	
7/23/1997	1.94	6.36	none	
8/25/1997	1.53	6.77	none	
9/25/1997	1.46	6.84	none	
10/30/1997	1.08	7.22	none	
12/3/1997	0.87	7.43	none	
12/30/1997	0.83	7.47	none	
1/28/1998	0.70	7.60	none	
3/11/1998	0.50	7.80	none	
3/30/1998	0.65	7.65	none	
4/27/1998	0.73	7.57	none	
6/1/1998	0.55	7.75	none	
6/26/1998	0.75	7.55	none	
9/17/1998	1.11	7.19	none	
12/7/1998	0.86	7.44	none	
5/3/1999	0.88	7.42	none	
8/25/1999	1.23	7.07	none	
11/29/1999	0.60	7.70	none	
4/4/2000	0.42	7.88	none	
	Well Destroyed May 30, 2001			

Well Completion Details
2" DIA. SCH. 40 PVC
Well Screen (0.020" slot size)
Screen Interval (3-18' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-26	**TOC Elevation (May-97) =**	**11.33**	**Port of Oakland Datum**	
5/5/1997	3.18	8.15	none	
6/27/1997	3.31	8.02	none	
7/23/1997	3.46	7.87	none	
8/25/1997	3.21	8.12	none	
9/25/1997	3.42	7.91	none	
10/30/1997	3.56	7.77	none	**Well Completion Details**
12/3/1997	2.55	8.78	none	2" DIA. SCH. 40 PVC
12/30/1997	3.25	8.08	none	Well Screen (0.020" slot size)
1/28/1998	2.93	8.40	none	Screen Interval (3-20' bgs)
3/11/1998	3.98	7.35	none	Well Installed by SCI
3/30/1998	4.13	7.20	none	
4/27/1998	3.93	7.40	none	
6/1/1998	3.56	7.77	none	
6/26/1998	3.65	7.68	none	
9/17/1998	3.92	7.41	none	
12/7/1998	3.25	8.08	none	
5/3/1999	3.68	7.65	none	
8/25/1999	3.61	7.72	none	
11/29/1999	3.41	7.92	none	
4/4/2000	3.90	7.43	none	
10/3/2000	3.41	7.92	none	
5/1/2001	--	--	--	
11/27/2001	--	--	--	
7/29/2002	3.82	7.51	none	
1/21/2003	2.70	8.63	none	
Oct-04	**TOC Elevation =**	**11.42**	**Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL**	
9/30/2004	3.67	7.75	none	

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-27	TOC Elevation (May-97) =	11.43	Port of Oakland Datum	
5/5/1997	4.98	6.45	none	
6/27/1997	4.85	6.58	none	
7/23/1997	4.80	6.63	none	
8/25/1997	4.81	6.62	none	
9/25/1997	4.85	6.58	none	
10/30/1997	4.91	6.52	none	
12/3/1997	4.74	6.69	none	
12/30/1997	4.75	6.68	none	
1/28/1998	4.37	7.06	none	
3/11/1998	4.70	6.73	none	
3/30/1998	4.71	6.72	none	
4/27/1998	4.53	6.90	none	
6/1/1998	4.74	6.69	none	
6/26/1998	4.74	6.69	none	
9/17/1998	4.85	6.58	none	
12/7/1998	4.77	6.66	none	
5/4/1999	4.91	6.52	none	
8/25/1999	4.95	6.48	none	
11/29/1999	4.91	6.52	none	
4/4/2000	3.78	7.65	none	
10/3/2000	4.90	6.53	none	
5/1/2001	4.80	6.63	none	
11/27/2001	4.76	6.67	none	
7/29/2002	4.83	6.60	none	
1/21/2003	4.76	6.67	none	
Oct-04	TOC Elevation =	11.49	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	5.00	6.49	none	

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.020" slot size)
Screen Interval (3-18' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-28	TOC Elevation (May-97) =	13.30	Port of Oakland Datum	
5/5/1997	4.96	8.34	none	
6/27/1997	5.12	8.18	none	
7/23/1997	--	--	--	
8/25/1997	5.04	8.26	none	
9/25/1997	5.23	8.07	none	
10/30/1997	5.39	7.91	none	
12/3/1997	4.47	8.83	none	
12/30/1997	4.72	8.58	none	
1/28/1998	4.16	9.14	none	
3/11/1998	4.20	9.10	none	
3/30/1998	4.27	9.03	none	
4/27/1998	4.41	8.89	none	
6/1/1998	4.25	9.05	none	
6/26/1998	4.70	8.60	none	
9/17/1998	5.47	7.83	none	
12/7/1998	4.64	8.66	none	
5/3/1999	4.32	8.98	none	
8/25/1999	5.44	7.86	none	
11/29/1999	5.04	8.26	none	
4/4/2000	3.56	9.74	none	
10/3/2000	5.51	7.79	none	
5/1/2001	4.53	8.77	none	
11/27/2001	5.11	8.19	none	
7/29/2002	5.37	7.93	none	
1/21/2003	4.60	8.70	none	
Oct-04	TOC Elevation =	13.32	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	5.51	7.81	none	

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.020" slot size)
Screen Interval (3-20' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-29	TOC Elevation (May-97) =	13.18	Port of Oakland Datum	
5/15/1997	5.70	7.48	none	
6/27/1997	5.58	7.60	none	
7/23/1997	5.63	7.55	none	
8/25/1997	5.56	7.62	none	
9/25/1997	5.61	7.57	none	
10/30/1997	5.63	7.55	none	
12/3/1997	5.23	7.95	none	
12/30/1997	5.52	7.66	none	
1/28/1998	5.29	7.89	none	
3/11/1998	5.37	7.81	none	
3/30/1998	5.37	7.81	none	
4/27/1998	5.48	7.70	none	
6/1/1998	5.26	7.92	none	
6/26/1998	5.50	7.68	none	
9/17/1998	5.67	7.51	none	
12/7/1998	5.24	7.94	none	
5/3/1999	5.55	7.63	none	
8/25/1999	5.95	7.23	none	
11/29/1999	5.71	7.47	none	
4/4/2000	5.59	7.59	none	
10/3/2000	5.68	7.50	none	
5/1/2001	5.49	7.69	none	
12/10/2001	5.25	7.93	none	
7/29/2002	5.59	7.59	none	
1/21/2003	5.47	7.71	none	
Oct-04	TOC Elevation =	13.27	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	5.79	7.48	none	

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.020" slot size)
Screen Interval (3-19' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-30	TOC Elevation (Oct-97) =	12.34	Port of Oakland Datum	
10/30/1997	4.81	7.53	none	
12/3/1997	3.99	8.35	none	
12/30/1997	4.26	8.08	none	
1/28/1998	3.75	8.59	none	
3/11/1998	3.81	8.53	none	
3/30/1998	4.21	8.13	none	
4/27/1998	4.35	7.99	none	
6/1/1998	4.15	8.19	none	
6/26/1998	4.51	7.83	none	
9/17/1998	4.71	7.63	none	
12/7/1998	4.39	7.95	none	
5/3/1999	4.45	7.89	none	
8/25/1999	4.95	7.39	none	
11/29/1999	4.40	7.94	none	
4/4/2000	--	--	--	
10/3/2000	5.08	7.26	none	
5/1/2001	4.24	8.10	none	
11/29/2001	4.75	7.60	none	
7/29/2002	4.41	7.93	none	
1/21/2003	4.25	8.09	--	
Oct-04	TOC Elevation =	12.33	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	4.88	7.45	none	

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.020" slot size)
Screen Interval (4-19' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-31D	TOC Elevation (Oct-97) =	11.92	Port of Oakland Datum	
10/30/1997	7.69	4.23	none	
12/3/1997	7.58	4.34	none	**Extends into Merritt Sand Formation**
12/30/1997	7.47	4.45	none	**Below Estuarine Deposits.**
1/28/1998	7.37	4.55	none	**Displays Confined Aquifer Characteristics.**
3/11/1998	7.20	4.72	none	
3/30/1998	7.35	4.57	none	
4/27/1998	7.54	4.38	none	
6/1/1998	7.57	4.35	none	
6/26/1998	7.63	4.29	none	
9/17/1998	7.58	4.34	none	**Well Completion Details**
12/7/1998	7.90	4.02	none	2" DIA. SCH. 40 PVC
5/3/1999	7.91	4.01	none	Well Screen (0.020" slot size)
8/25/1999	7.85	4.07	none	Screen Interval (39-49' bgs)
11/29/1999	7.79	4.13	none	Well Installed by SCI
4/4/2000	--	--	--	
10/3/2000	7.60	4.32	none	
5/1/2001	7.90	4.02	none	
11/27/2001	7.45	4.47	none	
7/29/2002	7.87	4.05	none	
1/21/2003	7.09	4.83	none	
Oct-04	**TOC Elevation =**	**11.92**	**Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL**	
9/30/2004	6.55	5.37	none	

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-32	TOC Elevation (Oct-97) =	12.75	Port of Oakland Datum	
10/30/1997	5.02	7.73	none	
12/3/1997	4.50	8.25	none	
12/30/1997	4.59	8.16	none	
1/28/1998	--	--	--	
3/11/1998	4.17	8.58	none	
3/30/1998	4.39	8.36	none	
4/27/1998	4.34	8.41	none	
6/1/1998	4.33	8.42	none	
6/26/1998	4.53	8.22	none	
9/17/1998	5.04	7.71	none	
12/7/1998	4.51	8.24	none	
5/3/1999	4.32	8.43	none	
8/25/1999	7.80	4.95	none	
11/29/1999	4.71	8.04	none	
4/4/2000	4.65	8.10	none	
10/3/2000	5.50	7.25	none	
5/1/2001	4.35	8.40	none	
11/27/2001	4.91	7.84	none	
7/29/2002	5.38	7.37	none	
1/21/2003	4.09	8.66	none	
Oct-04	TOC Elevation =	12.79	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	5.00	7.79	none	

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.020" slot size)
Screen Interval (4-21' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-33	TOC Elevation (Oct-97) =	11.47	Port of Oakland Datum	
10/30/1997	4.58	6.89	none	
12/3/1997	4.11	7.36	none	
12/30/1997	4.07	7.40	none	
1/28/1998	4.03	7.44	none	
3/11/1998	4.02	7.45	none	
3/30/1998	4.00	7.47	none	
4/27/1998	3.96	7.51	none	
6/1/1998	3.86	7.61	none	
6/26/1998	4.05	7.42	none	
9/17/1998	4.32	7.15	none	
12/7/1998	4.21	7.26	none	
5/3/1999	4.00	7.47	none	
8/25/1999	4.60	6.87	none	
11/29/1999	4.72	6.75	none	
4/4/2000	5.00	6.47	none	
10/3/2000	4.35	7.12	none	
5/1/2001	4.30	7.17	none	
11/27/2001	4.39	7.08	none	
7/29/2002	4.16	7.31	none	
1/21/2003	4.06	7.41	none	
Oct-04	TOC Elevation =	11.45	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	4.5	6.95	none	

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.020" slot size)
Screen Interval (4-17' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-34	TOC Elevation (Oct-97) =	10.93	Port of Oakland Datum	
10/30/1997	6.05	4.88	none	
12/3/1997	5.48	5.45	none	
12/30/1997	5.43	5.50	none	
1/28/1998	5.30	5.63	none	
3/11/1998	6.01	4.92	none	
3/30/1998	5.82	5.11	none	
4/27/1998	6.14	4.79	none	
6/1/1998	6.05	4.88	none	
6/26/1998	5.81	5.12	none	
9/17/1998	6.06	4.87	none	
12/7/1998	6.02	4.91	none	
5/3/1999	6.44	4.49	none	
8/25/1999	6.86	4.07	none	
11/29/1999	6.23	4.70	none	
4/4/2000	5.43	5.50	none	
10/3/2000	4.99	5.94	none	
5/1/2001	6.47	4.46	none	
11/27/2001	6.15	4.78	none	
7/29/2002	--	--	--	
1/21/2003	5.84	5.09	none	
Oct-04	TOC Elevation =	10.88	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	6.00	4.88	none	

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.020" slot size)
Screen Interval (4-17' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
SCIMW-35	TOC Elevation (Oct-97) =	10.10	Port of Oakland Datum	
10/30/1997	5.23	4.87	none	
12/3/1997	4.06	6.04	none	
12/30/1997	4.01	6.09	none	
1/28/1998	4.30	5.80	none	
3/11/1998	4.98	5.12	none	
3/30/1998	4.90	5.20	none	
4/27/1998	5.23	4.87	none	
6/1/1998	5.01	5.09	none	
6/26/1998	4.97	5.13	none	
9/17/1998	5.36	4.74	none	
12/7/1998	4.95	5.15	none	
5/3/1999	5.60	4.50	none	
8/25/1999	5.95	4.15	none	
11/29/1999	5.47	4.63	none	
4/4/2000	5.55	4.55	none	
10/3/2000	4.57	5.53	none	
5/1/2001	5.91	4.19	none	
11/27/2001	5.29	4.81	none	
7/29/2002	--	--	--	
1/21/2003	5.02	5.08	none	
Oct-04	TOC Elevation =	10.12	Feet Above Port of Oakland Datum, 0 = 3.2 Feet Below MSL	
9/30/2004	5.28	4.84	none	

Well Completion Details

2" DIA. SCH. 40 PVC
Well Screen (0.020" slot size)
Screen Interval (3-17' bgs)
Well Installed by SCI

TABLE 2
SUMMARY OF GROUNDWATER ELEVATION, WELL COMPLETION DETAILS, AND PRODUCT THICKNESS DATA
NINTH AVENUE TERMINAL STUDY AREA
ANNUAL EVENT- OCTOBER 2004

DATE	GROUND WATER DEPTH (FEET)	GROUND WATER ELEVATION (FEET)	PRODUCT THICKNESS (INCHES)	
Oil Filled Manhole	TOC Elevation (Dec-96) =	12.39	Port of Oakland Datum	
12/30/1996	6.22	6.17	trace	
1/16/1997	8.00	4.39	0.01	Hydraulically Connected to Bay water.
2/28/1997	8.42	3.97	0.01	Tidally Influenced.
3/26/1997	8.42	3.97	trace	
5/5/1997	8.51	3.88	0.06	
6/27/1997	8.42	3.97	trace	
7/23/1997	8.42	3.97	trace	
8/25/1997	7.67	4.72	trace	
9/25/1997	6.17	6.22	trace	
10/30/1997	6.42	5.97	0.00	
12/3/1997	8.08	4.31	trace	
12/30/1997	4.50	7.89	trace	
1/28/1998	6.00	6.39	trace	
3/11/1998	5.92	6.47	trace	
3/30/1998	8.33	4.06	trace	
4/27/1998	8.50	3.89	trace	
6/1/1998	8.33	4.06	trace	
6/26/1998	8.42	3.97	trace	
9/17/1998	8.42	3.97	trace	
12/7/1998	8.33	4.06	trace	
5/2/1998	--	--	0.50	
8/25/1999	--	--	4.50	
11/29/1999	--	--	trace	
4/4/2000	5.25	7.14	trace	
10/3/2000	4.57	7.82	none	
5/2/2001	7.70	4.69	none	
11/27/2001	8.48	3.91	none	
7/29/2002	8.50	3.89	none	
1/21/2003	7.42	4.97	none	
9/30/2004			trace	

Notes:
All elevations presented reference the Port of Oakland datum
-- = Inaccessible
NA = Data not available
+ = Elevation is probably not static

TABLE 3
PETROLEUM HYDROCARBON, BTEX, MTBE, 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	--	--	390 y	--	<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	590 yh	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--
MW-1	SCI	F	5/24/1996	4.95	--	<50	870 yh	630 y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-1	SCI	F	9/6/1996	4.34	--	<50	860 yh	490 yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-1	SCI	F	12/5/1996	5.19	--	<50	4,500 yhl	2,100 yl	<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 Destroyed**															
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	--	--	1,200 y	--	<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	980	--	<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	1,700 h	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--
MW-2	SCI	F	5/24/1996	5.91	--	<50	2,800 yh	1,200 y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-2	SCI	F	9/5/1996	6.34	--	58z	2,900	760 yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-2	SCI	F	12/4/1996	6.02	--	<50	1,600 y	1,000 yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-2	SCI	F	9/23/1998	5.29	--	--	80 yl	<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	5.15*	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
MW-2	SCI	F	1/21/2003	5.10	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
MW-2	SCI	F	10/4/2004	5.35	--	--	<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	--	--	480 y	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--	--
MW-3	Clayton	F	4/10/1995	2.54	--	<50	830	--	<0.4	<0.3	<0.3	<0.4	--	--	--	--	--	--	--
MW-3	Clayton	F	7/24/1995	6.58	--	<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	--	--	--	--	--	--	--

TABLE 3
PETROLEUM HYDROCARBON, BTEX, MTBE, PESTICIDE AND PCB
CONCENTRATIONS IN GROUNDWATER
NINTH AVENUE TERMINAL STUDY AREA

SAMPLE DESIGNATION	CONSULTANT	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Port of Oak. Datum (FEET)	OIL & GREASE (µg/L)	TVH as GAS (µg/L)	TEH as DIESEL (µg/L)	TEH as MOTOR OIL (µg/L)	BENZENE (µg/L)	ETHYL-BENZENE (µg/L)	TOLUENE (µg/L)	TOTAL XYLENES (µg/L)	MTBE (µg/L)	4,4'-DDD (µg/L)	4,4'-DDE (µg/L)	4,4'-DDT (µg/L)	OTHER HERBS/ PESTS (µg/L)	AROCLOR-1260 (µg/L)	OTHER PCBs (µg/L)
MW-3	Clayton/SCI	F	2/20/1996	6.04	--	<50	620 h	--	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--
MW-3	SCI	F	5/24/1996	5.69	--	<50	1,100 y/h	550 y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-3	SCI	F	9/18/1996	3.76	--	<50	1,500	890 y/	<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-3	SCI	F	1/23/2003	5.16	--	--	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
MW-3	SCI	F	11/3/2004	5.85	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
MW-4	Clayton	F	9/20/93 (b)	6.18	--	<50	1300	--	140	40	110	235	--	--	--	--	--	--	--
MW-4	Clayton	F	12/1/93 (b)	7.88	--	<50	32,000	--	71	20	41	150	--	--	--	--	--	--	--
MW-4	Uribe	F	4/4/94 (b)	7.78	--	6,200	410,000	--	140	47	20	310	--	--	--	--	--	--	--
MW-4	Clayton	F	4/10/1995	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)	--	690 y	37,000	2,600 y/	44	18	<2.5	7.7	--	--	--	--	--	--	--
MW-4	SCI	F	9/4/1996	7.33 (b)	--	1,000 h	240,000	26,000 y/	100	5.2	<0.5	7.2	--	--	--	--	--	--	--
MW-4	SCI	F	12/3/1996	8.76 (b)	--	1,500 y/h	13,000	2,000 y/	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	NR	FREE PRODUCT -- NOT SAMPLED														
MW-4	SCI	F	5/2/2000	8.13	FREE PRODUCT -- NOT SAMPLED														
MW-4	SCI	F	7/31/2002	9.13	FREE PRODUCT -- NOT SAMPLED														
MW-4	SCI	F	1/23/2003	6.98*	FREE PRODUCT -- NOT SAMPLED														
MW-4	SCI	F	10/1/2004	6.85	FREE PRODUCT -- NOT SAMPLED														
MW-4 FP	SCI	F	10/4/2004	6.32	--	--	fingerprint matches diesel		<500	<500	<500	5,660	<2,000	--	--	--	--	--	--
MW-5	Clayton	F	4/10/1995	7.20	--	1,100	6,200	--	3.1	2.9	<0.3	11.3	--	--	--	--	--	--	--

TABLE 3
PETROLEUM HYDROCARBON, BTEX, MTBE, 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-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	--	150 y	440 h	--	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--
MW-5	SCI	F	5/24/1996	9.17	--	82 y	4,600 yh	1,900 y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-5	SCI	F	9/4/1996	6.40	--	<50	7,700 yh	1,900 yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-5	SCI	F	12/3/1996	7.20	--	140 yh	13,000	1,900 yl	1.6	<0.5	<0.5	2.6	--	--	--	--	--	--	--
MW-5	SCI	F	1/20/1997	8.38	--	<50	9,400	1,500 yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-5	SCI	F/H	5/8/1997	6.45	<5,000	<50	8,800	2,500 yl	<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	--	--	490 yh	<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	--	91 yh	2,400	<300	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
MW-5	SCI	F/H	12/10/2001	6.45	--	<50	420 yh	<300	<0.5	<0.5	<0.5	<0.5	0.8	--	--	--	--	--	--
MW-5	SCI	F/H	7/31/2002	6.26	--	--	510 yh	<300	<0.5	<0.5	<0.5	<0.5	0.5	--	--	--	--	--	--
MW-5	SCI	F/H	1/24/2003	6.92	--	--	3,900	<300	<0.5	<0.5	<0.5	<0.5	<0.5						
MW-5	SCI	F/H	10/1/2004	6.37	--	--	99 y	<300	--	--	--	--	--	--	--	--	--	--	--
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)	--	280,000 yh	240,000	5,500 yl	<250	<250	<250	<250	--	--	--	--	--	--	--
MW-6	SCI	F	9/5/1996	6.67 (b)	89,000	200h	50,000	3,200 yl	5.3	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
MW-6	SCI	F	12/4/1996	7.80 (b)	--	4,700 yh	140,000	7,300 yl	19	<10	11	<10	--	--	--	--	--	--	--
MW-6	SCI	F	1/16/1997	7.63	FREE PRODUCT -- NOT SAMPLED														
MW-6	SCI	F/H	5/8/1997	7.04 (b)	330,000	440 yh	620,000	24,000 yl	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	5/4/1998	7.21	FREE PRODUCT -- NOT SAMPLED														
MW-6	SCI	F	12/3/1999	6.98	FREE PRODUCT -- NOT SAMPLED														
MW-6	SCI	F	10/4/2000	6.25	FREE PRODUCT -- NOT SAMPLED														
MW-6	SCI	F	7/31/2002	6.25	FREE PRODUCT -- NOT SAMPLED														
MW-6	SCI	F	1/23/2003	6.05	FREE PRODUCT -- NOT SAMPLED														
MW-6	SCI	F	10/1/2004		FREE PRODUCT -- NOT SAMPLED														
MW-6 FP	SCI	C	9/30/2004	3.92	--	--	fingerprint matches diesel	<1,300	<1,300	<1,300	<1,300	<5,000	--	--	--	--	--	--	--

TABLE 3
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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-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	750 yh	750 y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
MW-7	SCI	M	9/5/1996	5.48	<5,000	<50	480 yh	310 yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
MW-7	SCI	M	12/4/1996	5.25	--	<50	340 y	<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	560 yh	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	870 yh	<250	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-1	SCI	E/H	1/22/1997	5.29	--	<50	520 yh	<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-1	SCI	E/H	1/21/2003	5.73	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	5/23/1996	4.04	5,600	--	2,600 l	360 yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-2	SCI	N	9/4/1996	3.38	8,000	<50	5,100	770 yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-2	SCI	N	1/17/1997	3.82	--	95y	13,000 l	2,400 yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-2	SCI	N	9/18/1998	4.07	--	--	31,000 h	5,400 yl	--	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	12/28/1998	3.52	--	--	5,400h	930 yl	--	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	5/7/1999	4.52	--	--	10,000	1,600 yl	--	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	8/26/1999	3.00	--	--	13,000	1,600	--	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	12/2/1999	3.85	--	--	7,400 h	860 yl	--	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	4/6/2000	2.83	--	--	220	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	10/10/2000	4.75	--	--	1,100 hy	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	5/3/2001	3.11	--	--	3,000	730 yl	--	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	11/30/2001	6.23	--	--	1,900 hy	360 yl	--	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	7/31/2002	2.92	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	1/21/2003	5.79	--	--	120 y	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-2	SCI	N	10/4/2004	3.24	--	--	350 y	<300	--	--	--	--	--	--	--	--	--	--	--
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

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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-3	SCI	I/J	9/5/1996	6.67	<5,000	<50	8,800 yh	4,400 yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-3	SCI	I/J	1/20/1997	6.46	--	<50	7,500 yh	5,200 y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-3	SCI	I/J	9/18/1998	4.29	--	--	75 yh	<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	--	--	120 yh	500	--	--	--	--	--	--	--	--	--	--	--
SCIMW-3	SCI	I/J	1/21/2003	7.73	--	--	1,700 yh	7,300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-3	SCI	I/J	10/4/2004	6.32	--	--	1,700 yh	7,400	--	--	--	--	--	--	--	--	--	--	--
SCIMW-4	SCI	L	8/26/1996	5.50	<5,000	<50	630 yh	670 yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-4	SCI	L	1/22/1997	8.43	--	<50	530 yh	990 yl	<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	--	--	58 yh	<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	--	--	70 y	<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 Destroyed**															
SCIMW-6	SCI	C	8/28/1996	4.69	<5,000	<50	150 yh	260 yl	<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	6,100 y	1,900 yl	5,300	<1,300	<1,300	<1,300	--	--	--	--	--	<1.0	ND
SCIMW-7	SCI	P/Q	1/20/1997	7.32	--	6,900 z	11,000 y	7,500 yl	8,600	<25	7,200	103	--	--	--	--	--	--	--
SCIMW-7	SCI	P/Q	10/20/1997	6.96	<5,000	9,100 yl	6,100 yh	2,500 yl	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

TABLE 3
PETROLEUM HYDROCARBON, BTEX, MTBE, PESTICIDE AND PCB
CONCENTRATIONS IN GROUNDWATER
NINTH AVENUE TERMINAL STUDY AREA

SAMPLE DESIGNATION	CONSULTANT	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Port of Oak. Datum (FEET)	OIL & GREASE (µg/L)	TVH as GAS (µg/L)	TEH as DIESEL (µg/L)	TEH as MOTOR OIL (µg/L)	BENZENE (µg/L)	ETHYL-BENZENE (µg/L)	TOLUENE (µg/L)	TOTAL XYLENES (µg/L)	MTBE (µg/L)	4,4'-DDD (µg/L)	4,4'-DDE (µg/L)	4,4'-DDT (µg/L)	OTHER HERBS/ PESTS (µg/L)	AROCLOR-1260 (µg/L)	OTHER PCBs (µg/L)
SCIMW-7	SCI	P/Q	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	7.58	--	--	--	--	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	--	--	1,900 ly	<300	4,500	<3,100	6,100	<3,100	<3,100	<0.096	<0.096	<0.096	ND	<5.0	ND
SCIMW-7	SCI	P/Q	7/30/2002	6.49	--	--	--	--	750	<31	200	<31	--	0.099	<0.096	<0.096	ND	<5.0	ND
SCIMW-7	SCI	P/Q	1/21/2003	7.47	--	--	<50	<300	490	<10	<10	<10	<10	0.21	<0.094	<0.094	ND	<5.0	ND
SCIMW-7	SCI	P/Q	10/6/2004	6.57	--	3,400	<50	<300	1,400	6.6	330	41	<360	1	<0.1	<0.1	0.3endo	--	--
SCIMW-7 Dup	SCI	P/Q	10/6/2004	6.57	--	--	--	--	1,400	<360	<360	<360	<360	--	--	--	--	--	--
SCIMW-8	SCI	I	8/26/1996	7.11	<5,000	<50	1,200 yh	1,400 yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-8	SCI	I	1/21/1997	7.70	--	<50	880 yh	830 yl	<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	7.38	--	--	<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-8	SCI	I	1/21/2003	7.63	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-8	SCI	I	9/30/2004	7.29	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-9	SCI	I	8/26/1996	6.40	5,000	<50	1,800 yh	1,100 yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-9	SCI	I	1/23/1997	6.66	--	<50	1,900 yh	2,300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-9	SCI	I	9/22/1998	6.64	--	--	95 yh	600 yh	--	--	--	--	--	--	--	--	--	--	--
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	--	--	140 yh	830	--	--	--	--	--	--	--	--	--	--	--
SCIMW-9	SCI	I	1/21/2003	7.41	--	--	1,100 yh	7,000	--	--	--	--	--	--	--	--	--	--	--
SCIMW-9	SCI	I	9/30/2004	6.16	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-10	SCI	J	8/26/1996	7.95	<5,000	<50	1,100yh	1,200 yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-10	SCI	J	1/23/1997	7.87	--	<50	1,400 yh	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-10	SCI	J	1/21/2003	5.89	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-11	SCI	N	8/26/1996	3.83	<5,000	<50	400 yhl	<250	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-11	SCI		1/17/1997	4.32	--	<50	180	<250	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--

TABLE 3
PETROLEUM HYDROCARBON, BTEX, MTBE, 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-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	0.88	<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-11	SCI	N	7/30/2002	2.64	--	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-11	SCI	N	1/21/2003	3.59	--	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-11	SCI	N	10/1/2004	2.79	--	<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	3,400 yh	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	--	--	400 h	1,500	--	--	--	--	--	--	--	--	--	--	--
SCIMW-13	SCI	J	11/28/2001	6.77	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-13	SCI	J	1/21/2003	7.00	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-13	SCI	J	9/30/2004	6.87	--	--	80	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-14	SCI	I/J	8/29/1996	5.36	6,000	<50	2,200 yh	1,400 yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-14	SCI	I/J	1/21/1997	5.64	--	<50	570 yh	420 yl	<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 Destroyed**															
SCIMW-15	SCI	I/J	8/29/1996	4.85	<5,000	<50	2,100 yh	1,600 yl	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-15	SCI	I/J	1/17/1997	5.01	--	<50	2,500 h	1,600 yl	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-15	SCI	I/J	9/21/1998	5.17	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--

TABLE 3
PETROLEUM HYDROCARBON, BTEX, MTBE, 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-15	SCI	I/J	5/4/1999	5.15	--	--	75 y/h	<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-15	SCI	I/J	7/31/2002	5.07*	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-15	SCI	I/J	1/22/2003	5.12	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-15	SCI	I/J	10/1/2004	4.97	--	--	<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	280 y/h	<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	6.68	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-17	SCI	R	8/29/1996	6.55	<5,000	<50	190 y/h	<250	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-17	SCI	R	1/22/1997	7.67	--	<50	330 y/h	500 y/l	<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 Destroyed**															
SCIMW-18	SCI	L	9/6/1996	5.22+	<5,000	<50	2,200 y/h	1,600 y/l	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-18	SCI	L	1/20/1997	6.98	--	<50	1,900 y/h	1,900 y	<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-18	SCI	L	1/21/2003	6.86	--	--	<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	150 y/h	<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	330 y	<250	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	<1.0	ND
SCIMW-20	SCI	H/Q	1/20/1997	7.67	--	<50	340 y/h	290 y	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-20	SCI	H/Q	9/22/1998	6.79	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--

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PETROLEUM HYDROCARBON, BTEX, MTBE, 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	12/2/1999	3.40	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-20	SCI	H/Q	5/30/2001	**Well Destroyed**															
SCIMW-21	SCI	D	5/6/1997	7.44	<5,000	<50	670 h	880 y/hl	<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-21	SCI	D	1/21/2003	6.83	--	--	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-22	SCI	P	5/6/1997	8.22	<5,000	<50	1,400 yh	2,300 hl	<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	1,500 yh	2,700 y/hl	<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-22	SCI	P	1/21/2003	7.32	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-23	SCI	B	5/6/1997	5.55	10,000	--	1,400	1,200 yl	--	--	--	--	--	<0.094	<0.094	<0.094	***	<0.47	ND
SCIMW-23	SCI	B	9/24/1998	5.46	--	--	680 y	<300	--	--	--	--	--	<0.09	<0.09	<0.09	ND	<0.5	ND
SCIMW-23	SCI	B	12/11/1998	6.39	--	--	260 yh	<300	--	--	--	--	--	<0.1	<0.1	<0.1	ND	<0.5	ND
SCIMW-23	SCI	B	5/7/1999	6.09	--	--	660 y	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-23	SCI	B	8/26/1999	4.35	--	--	120 y	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-23	SCI	B	12/3/1999	5.56	--	--	74 yh	<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	--	--	60 y	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-23	SCI	B	5/3/2001	5.94	--	--	53 y	<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	330 yl	<300	950	99	53	98	--	--	--	--	--	--	--
SCIMW-24	SCI	N	12/11/1998	5.79	--	8,300	800 yl	<300	1,200	180	56	111	--	--	--	--	--	--	--
SCIMW-24	SCI	N	5/6/1999	5.14	--	6,700	1,900 yl	660 yl	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	960 yl	<300	860	25	35	53.6	--	--	--	--	--	--	--

TABLE 3
PETROLEUM HYDROCARBON, BTEX, MTBE, 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-24	SCI	N	4/6/2000	5.05	--	4,500	2,600 yl	2,100	1,700	87	41	81	--	--	--	--	--	--	--
SCIMW-24	SCI	N	10/10/2000	4.95	--	5,400	1,200 hy	<300	1,600	36	58	69	--	--	--	--	--	--	--
SCIMW-24	SCI	N	5/4/2001	4.94	--	7,100	5,300 hly	3,600	2,700	160	84	100	--	--	--	--	--	--	--
SCIMW-24	SCI	N	11/28/2001	5.37	--	8,900	5,800 hly	5,000	1,000	51	44	57	--	--	--	--	--	--	--
SCIMW-24	SCI	N	7/30/2002	5.17	--	25,000	2,300 hly	1,700	1,600	160	<2.5	68	--	--	--	--	--	--	--
SCIMW-24	SCI	N	1/21/2003	5.74	--	23,000	8,900 hly	11,000	2,200	170	55	107	--	--	--	--	--	--	--
SCIMW-24	SCI	N	9/30/2004	5.11	--	8,200	400 hy	950 l	1,600	37	49	52	--	--	--	--	--	--	--
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 Destroyed**															
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-26	SCI	H	1/21/2003	8.63	--	--	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-26	SCI	H	1/21/2003	8.63	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-27	SCI	E/H	5/6/1997	6.45	<5,000	<50	3,400	1,800 yl	<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	--	--	95 hy	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-28	SCI	Q	1/21/2003	8.70	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-28	SCI	Q	9/30/2004	7.81	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-29	SCI	H	5/20/1997	7.48	<5,000	<50	150	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-29	SCI	H	10/6/2000	7.50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-29	SCI	H	12/10/2001	7.93	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-29	SCI	H	1/21/2003	7.71	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-29	SCI	H	1/21/2003	7.71	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-30	SCI	P	10/20/1997	7.53	<5,000	<50	530 yh	830 yhl	<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	--	--	60 y	<300	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--

TABLE 3
PETROLEUM HYDROCARBON, BTEX, MTBE, 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	7.60	--	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-30	SCI	P	1/21/2003	8.09	--	--	<50	<300	<5.0	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--
SCIMW-31D	SCI	P	10/20/1997	4.23	<5,000	<50	170 y	<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-31D	SCI	P	1/21/2003	4.83	--	--	--	--	<5.0	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--
SCIMW-32	SCI	I/P	10/20/1997	7.73	<5,000	<50	1,000 yh	980 yl	<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	6.88	<5,000	780	5,700 yh	1,600 yhl	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	--	--	210 yl	<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	--	--	1,100 h	<300	<10	<10	<10	<10	--	16.0	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-33	SCI	I/J	1/21/2003	7.41	--	--	68	<300	<5.0	<5.0	<5.0	15	<5.0	0.98	1.5	<0.094	ND	--	ND
SCIMW-33	SCI	I/J	9/30/2004	6.85	--	--	260	<300	<13	<13	<13	22	<13	1.5	<0.1	<0.1	ND	--	--
SCIMW-34	SCI	R	10/20/1997	4.88	<5,000	<50	5,200 yh	3,600 yhl	<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	61 y	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-34	SCI	R	12/11/1998	4.91	--	290	60 yh	<300	150	26	1.0	6.5	--	--	--	--	--	--	--
SCIMW-34	SCI	R	5/5/1999	4.49	--	91	<50	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-34	SCI	R	8/26/1999	6.86	--	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-34	SCI	R	12/2/1999	4.70	--	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-34	SCI	R	4/6/2000	5.50	--	57	<50	<300	8.6	0.84	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-34	SCI	R	10/6/2000	5.94	--	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-34	SCI	R	5/4/2001	4.46	--	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
SCIMW-34	SCI	R	11/30/2001	4.78	--	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--

TABLE 3
PETROLEUM HYDROCARBON, BTEX, MTBE, 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-34	SCI	R	7/31/2002	4.69*	--	<50	<50	<300	<5.0	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--
SCIMW-34	SCI	R	1/21/2003	5.09	--	<50	<50	<300	<5.0	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--
SCIMW-34	SCI	R	9/30/2004	4.86	--	<50	<50	<300	--	--	--	--	--	--	--	--	--	--	--
SCIMW-35	SCI	R	10/20/1997	4.87	<5,000	<50	99 yh	<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	--	--	--	--	--	--	--
SCIMW-35	SCI	R	1/21/2003	5.08	--	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
SCIMW-35	SCI	R	9/30/2004	4.84	--	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
XA Dup of SCIMW-16	SCI	R	8/30/1996	6.81	--	--	--	--	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--
XB Dup of SCIMW-3	SCI	I/J	9/5/1996	6.67	--	--	--	--	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--

Notes:

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

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

-- = Not tested
<50 = Comp. not detected at or above stated reporting limit
ND = Not detected
+ = Groundwater level may not be stabilized
Groundwater measurements presented are those collected on the first day of sampling for the event and may not be the same as the date sampled.
* = Well was inaccessible on the first day of sampling, the groundwater elevation presented was obtained on the day that the well was actually sampled and is not shown on Table 2.
NR = Groundwater elevation was not recorded
endo=Endosulfan II

*** = Also detected 0.05ug/L Heptachlor epoxide B
(a) Additional sample was collected on Dec 28, 1998 for the TEH analysis.
(b) These wells contained free product at time of sampling.

Fugro West, Inc. (Fugro) acquired the assets of Subsurface Consultants, Inc. (SCI) in September 2001.

TABLE 4
VOLATILE ORGANIC CONCENTRATIONS
IN GROUNDWATER
NINTH AVENUE TERMINAL STUDY AREA

SAMPLE		SITE REF	DATE	GROUNDWATER ELEVATION	ACETONE	MEK or 2-BUTAN-ONE	CARBON DISULFIDE	CHLOROBENZENE	CHLOROETHANE	1,1-Di-CHLOROETHANE	1,2-Di-CHLOROETHANE	1,1-Di-CHLOROETHENE	cis-1,2-Di-CHLOROETHENE	trans-1,2-Di-CHLOROETHENE	4-METHYL-2-PENTANONE	1,1,1-TRICHLOROETHANE	TRICHLOROETHENE	VINYL CHLORIDE	OTHER
DESIGNATION	CONSULTANT	AREA	SAMPLED	(FEET)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	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 Destroyed**															
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
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	8,800	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	160J	<500	1,600	<250	2,400	ND

TABLE 4
VOLATILE ORGANIC CONCENTRATIONS
IN GROUNDWATER
NINTH AVENUE TERMINAL STUDY AREA

SAMPLE		SITE REF	DATE	GROUNDWATER ELEVATION	ACETONE	MEK or 2-BUTAN-ONE	CARBON DISULFIDE	CHLOROBENZENE	CHLOROETHANE	1,1-DI-CHLOROETHANE	1,2-DI-CHLOROETHANE	1,1-DI-CHLOROETHENE	cis-1,2-DI-CHLOROETHENE	trans-1,2-DI-CHLOROETHENE	4-METHYL-2-PENTANONE	1,1,1-TRICHLOROETHANE	TRICHLOROETHENE	VINYL CHLORIDE	OTHER
DESIGNATION	CONSULTANT	AREA	SAMPLED	(FEET)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	8240s*
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	780	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	16,000	<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-7	SCI	P/Q	7/30/2002	6.49	<130	<63	8.1	<31	380	120	<31	<31	130	41	<63	<31	60	220	ND
SCIMW-7	SCI	P/Q	1/23/2003	7.47	<40	<10	<10	<10	150	62	<10	<10	16	21	<20	<10	<10	<20	ND
SCIMW-7	SCI	P/Q	10/6/2004	6.57	<1,400	<710	<360	<360	1,200	4,800	<360	<360	6,600	<360	<710	580	<360	1,900	ND
SCIMW-7dup	SCI	P/Q	10/6/2004	6.57	<1,400	<710	<360	<360	970	3,900	<360	<360	4,800	<360	<710	530	<360	1,300	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	<10	<5.0	<5.0	<10	ND
SCIMW-9	SCI	I	8/26/1996	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	7.85	<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-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	8/28/1996	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 Destroyed**															
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
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

TABLE 4
VOLATILE ORGANIC CONCENTRATIONS
IN GROUNDWATER
NINTH AVENUE TERMINAL STUDY AREA

SAMPLE		SITE REF	DATE	GROUNDWATER ELEVATION	ACETONE	MEK or 2-BUTAN-ONE	CARBON DISULFIDE	CHLOROBENZENE	CHLOROETHANE	1,1-DI-CHLOROETHANE	1,2-DI-CHLOROETHANE	1,1-DI-CHLOROETHENE	cis-1,2-DI-CHLOROETHENE	trans-1,2-DI-CHLOROETHENE	4-METHYL-2-PENTANONE	1,1,1-TRICHLOROETHANE	TRICHLOROETHENE	VINYL CHLORIDE	OTHER
DESIGNATION	CONSULTANT	AREA	SAMPLED	(FEET)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	8240s*
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 Destroyed**															
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	8.16	<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 Destroyed**															
SCIMW-22	SCI	P	5/8/1997	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-22	SCI	P	9/30/2004	6.09	<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-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 Destroyed**															
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-28	SCI	Q	9/30/2004	7.81	<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-29	SCI	H	5/20/1997	7.48	<20	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND

TABLE 4
VOLATILE ORGANIC CONCENTRATIONS
IN GROUNDWATER
NINTH AVENUE TERMINAL STUDY AREA

SAMPLE		SITE REF	DATE	GROUNDWATER ELEVATION	ACETONE	MEK or 2-BUTAN-ONE	CARBON DISULFIDE	CHLOROBENZENE	CHLOROETHANE	1,1-DI-CHLOROETHANE	1,2-DI-CHLOROETHANE	1,1-DI-CHLOROETHENE	cis-1,2-DI-CHLOROETHENE	trans-1,2-DI-CHLOROETHENE	4-METHYL-2-PENTANONE	1,1,1-TRICHLOROETHANE	TRICHLOROETHENE	VINYL CHLORIDE	OTHER
DESIGNATION	CONSULTANT	AREA	SAMPLED	(FEET)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	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-30	SCI	P	7/30/2002	7.93	<20	<10	**8.1**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-30	SCI	P	1/21/2003	8.09	<20	<10	**23.0**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	ND
SCIMW-30	SCI	P	9/30/2004	7.45	<20	<10	<5	<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-31D	SCI	P	7/30/2002	4.05	<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	1/21/2003	4.83	<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-31D	SCI	P	9/30/2004	5.37	<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-32	SCI	I/P	9/30/2004	7.79	<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

TABLE 4
VOLATILE ORGANIC CONCENTRATIONS
IN GROUNDWATER
NINTH AVENUE TERMINAL STUDY AREA

SAMPLE		SITE REF	DATE	GROUNDWATER ELEVATION	ACETONE	MEK or 2-BUTAN-ONE	CARBON DISULFIDE	CHLOROBENZENE	CHLOROETHANE	1,1-DI-CHLOROETHANE	1,2-DI-CHLOROETHANE	1,1-DI-CHLOROETHENE	cis-1,2-DI-CHLOROETHENE	trans-1,2-DI-CHLOROETHENE	4-METHYL-2-PENTANONE	1,1,1-TRICHLOROETHANE	TRICHLOROETHENE	VINYL CHLORIDE	OTHER
DESIGNATION	CONSULTANT	AREA	SAMPLED	(FEET)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	8240s*
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	180	<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
SCIMW-33	SCI	I/J	7/30/2002	7.31	<10	<10	<0.5	87	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	c
SCIMW-33	SCI	I/J	1/21/2003	7.41	<5.0	<10	<0.5	200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND
DUP OF SCIMW-33	SCI	I/J	1/22/2003	--	<5.0	<5.0	<5.0	200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND
SCIMW-33	SCI	I/J	10/6/2004	6.95	<50	<25	<13	140	<25	<13	<13	<13	<13	<13	<25	<13	<13	25	ND
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-34	SCI	R	7/31/2002	4.69*	<10	<10	<5.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	ND
SCIMW-34	SCI	R	1/21/2003	5.09	<10	<10	<5.0	<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
d = 150 ug/L of Trichlorofluoromethane

Fugro West, Inc. (Fugro) acquired the assets of Subsurface Consultants, Inc. (SCI) in September 2001.

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.
* = Well was inaccessible on the first day of sampling, the groundwater elevation presented was obtained on the day that the well was actually sampled and is not shown on Table 2.

TABLE 5
HEAVY METAL CONCENTRATIONS IN GROUNDWATER
NINTH AVENUE TERMINAL STUDY AREA

Note: During this sampling event only SCIMW-28 was sampled and analyzed for heavy metals.

SAMPLE DESIGNATION	CONSULTANT	DESCRIPTION	SITE REF AREA	SAMPLED	GROUNDWATER ELEVATION Port of Oak. Datum (feet)	ANTIMONY (µg/L)	ARSENIC (µg/L)	BARIUM (µg/L)	BERYLLIUM (µg/L)	CADMIUM (µg/L)	CHROMIUM (µg/L)	CHROMIUM VI (µg/L)	COBALT (µg/L)	COPPER (µg/L)	LEAD (µg/L)	MERCURY (µg/L)	MOLYBDENUM (µg/L)	NICKEL (µg/L)	POTASSIUM (µg/L)	SELENIUM (µg/L)	SILVER (µg/L)	THALLIUM (µg/L)	VANADIUM (µg/L)	ZINC (µg/L)
MW-5	SCI	Filtered	F	1/20/1997	8.38	<60	10	48	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	6.5	<5.0	<5.0	<10	28
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	8.6	340	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	10	<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	--	<5.0	<5.0	<5.0	<10	49
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	--	9.5	<5.0	<5.0	<10	24
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	--	<5.0	<5.0	<5.0	<10	<20
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	24
SCIMW-2	SCI	Filtered	N	12/2/1999	3.85	<60	8.6	330	<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	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	31
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	<20
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-2	SCI	Filtered	N	7/30/2002	2.92	<60	<5.0	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	1/21/2003	5.79	<60	13	170	<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

TABLE 5
HEAVY METAL CONCENTRATIONS IN GROUNDWATER
NINTH AVENUE TERMINAL STUDY AREA

Note: During this sampling event only SCIMW-28 was sampled and analyzed for heavy metals.

SAMPLE DESIGNATION	CONSULTANT	DESCRIPTION	SITE REF AREA	SAMPLED	GROUNDWATER ELEVATION Port of Oak. Datum (feet)	ANTIMONY (µg/L)	ARSENIC (µg/L)	BARIUM (µg/L)	BERYLLIUM (µg/L)	CADMIUM (µg/L)	CHROMIUM (µg/L)	CHROMIUM VI (µg/L)	COBALT (µg/L)	COPPER (µg/L)	LEAD (µg/L)	MERCURY (µg/L)	MOLYBDENUM (µg/L)	NICKEL (µg/L)	POTASSIUM (µg/L)	SELENIUM (µg/L)	SILVER (µg/L)	THALLIUM (µg/L)	VANADIUM (µg/L)	ZINC (µg/L)
SCIMW-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 Destroyed																			
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	280	<2.0	<2.0	<10	--	<20	13	<3.0	0.52	<20	28	--	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	8.2	300	<2.0	<2.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	8.6	<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

TABLE 5
HEAVY METAL CONCENTRATIONS IN GROUNDWATER
NINTH AVENUE TERMINAL STUDY AREA

Note: During this sampling event only SCIMW-28 was sampled and analyzed for heavy metals.

SAMPLE DESIGNATION	CONSULTANT	DESCRIPTION	SITE REF AREA	SAMPLED	GROUNDWATER ELEVATION Port of Oak. Datum (feet)	ANTIMONY (µg/L)	ARSENIC (µg/L)	BARIUM (µg/L)	BERYLLIUM (µg/L)	CADMIUM (µg/L)	CHROMIUM (µg/L)	CHROMIUM VI (µg/L)	COBALT (µg/L)	COPPER (µg/L)	LEAD (µg/L)	MERCURY (µg/L)	MOLYBDENUM (µg/L)	NICKEL (µg/L)	POTASSIUM (µg/L)	SELENIUM (µg/L)	SILVER (µg/L)	THALLIUM (µg/L)	VANADIUM (µg/L)	ZINC (µg/L)
SCIMW-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	26	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	18	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 Destroyed																			
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	28	<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 Destroyed																			
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	9.6	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 Destroyed																			
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	60	<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	--	--	8.3	--	--	--	--	--	--	--	--	--

TABLE 5
HEAVY METAL CONCENTRATIONS IN GROUNDWATER
NINTH AVENUE TERMINAL STUDY AREA

Note: During this sampling event only SCIMW-28 was sampled and analyzed for heavy metals.

SAMPLE DESIGNATION	CONSULTANT	DESCRIPTION	SITE REF AREA	SAMPLED	GROUNDWATER ELEVATION Port of Oak. Datum (feet)	ANTIMONY (µg/L)	ARSENIC (µg/L)	BARIUM (µg/L)	BERYLLIUM (µg/L)	CADMIUM (µg/L)	CHROMIUM (µg/L)	CHROMIUM VI (µg/L)	COBALT (µg/L)	COPPER (µg/L)	LEAD (µg/L)	MERCURY (µg/L)	MOLYBDENUM (µg/L)	NICKEL (µg/L)	POTASSIUM (µg/L)	SELENIUM (µg/L)	SILVER (µg/L)	THALLIUM (µg/L)	VANADIUM (µg/L)	ZINC (µg/L)
SCIMW-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 Destroyed**																			
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**	**98**	**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	**18**	<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-28	SCI	Filtered	Q	7/31/2002	7.93	<60	**7.8**	**17**	<2.0	<5.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	<10	<20
SCIMW-28	SCI	Filtered	Q	1/23/2003	8.70	<60	**27**	**34**	<2.0	<5.0	<10	--	<20	<10	**3.6**	<0.20	<20	<20	--	**8.0**	<5.0	<5.0	<10	<20
SCIMW-28	SCI	Filtered	Q	1/23/2003	8.70	<60	**55**	**33**	<2.0	<5.0	<10	--	<20	<10	<3.0	<0.20	<20	<20	--	<5.0	<5.0	<5.0	**33**	<20
SCIMW-29	SCI	Filtered	H	5/20/1997	7.48	<60	<5.0	**160**	<2.0	<5.0	<10	<10	<20	**12**	<3.0	<0.20	<20	<20	--	**34**	<5.0	<5.0	<10	**50**
SCIMW-34	SCI	Filtered	H	9/24/1998	4.87	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
SCIMW-34	SCI	Filtered	H	12/11/1998	4.91	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
SCIMW-34	SCI	Filtered	H	5/6/1999	4.49	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
SCIMW-34	SCI	Filtered	H	8/26/1999	6.86	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
SCIMW-34	SCI	Filtered	H	12/2/1999	4.70	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
SCIMW-34	SCI	Filtered	H	4/6/2000	5.50	--	--	--	--	--	--	--	--	--	<3.0	--	--	--	--	--	--	--	--	--
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

TABLE 5
HEAVY METAL CONCENTRATIONS IN GROUNDWATER
NINTH AVENUE TERMINAL STUDY AREA

Note: During this sampling event only SCIMW-28 was sampled and analyzed for heavy metals.

SAMPLE DESIGNATION	CONSULTANT	DESCRIPTION	SITE REF AREA	SAMPLED	GROUNDWATER ELEVATION Port of Oak. Datum (feet)	ANTIMONY (µg/L)	ARSENIC (µg/L)	BARIUM (µg/L)	BERYLLIUM (µg/L)	CADMIUM (µg/L)	CHROMIUM (µg/L)	CHROMIUM VI (µg/L)	COBALT (µg/L)	COPPER (µg/L)	LEAD (µg/L)	MERCURY (µg/L)	MOLYBDENUM (µg/L)	NICKEL (µg/L)	POTASSIUM (µg/L)	SELENIUM (µg/L)	SILVER (µg/L)	THALLIUM (µg/L)	VANADIUM (µg/L)	ZINC (µg/L)
SCIMW-34	SCI	Filtered	H	11/30/2001	4.76	--	--	--	--	<5.0	<10	--	--	--	--	--	--	<20	--	--	--	--	--	88
SCIMW-34	SCI	Filtered	H	7/31/2002	4.68*	--	--	--	--	<5.0	<10	--	--	--	--	--	--	25	--	--	--	--	--	<20
SCIMW-34	SCI	Filtered	H	1/21/2003	5.09	--	--	--	--	<5.0	<10	--	--	--	--	--	--	28	--	--	--	--	--	<20

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.
* = Well was inaccessible on the first day of sampling, the groundwater elevation presented was obtained on the day that the well was actually sampled and is not shown on Table 2.

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

Fugro West, Inc. (Fugro) acquired the assets of Subsurface Consultants, Inc. (SCI) in September 2001.

TABLE 6
GROUNDWATER QUALITY 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 BEFORE (mV)	Eh LABORATORY	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 Destroyed**															
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-2	SCI	F	1/23/2003	5.10	6.88	--	-122.0	-124.6	--	11,840	--	18.91	19.11	--	--	--	--	--	1.26
MW-2	SCI	F	10/4/2004	5.35	6.57	--	-159.0	-155.3	--	16,640	--	20.21	20.81	--	--	--	--	--	1.12
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-3	SCI	F	1/23/2003	5.16	6.89	--	-62.6	-144.1	--	19,520	--	19.35	18.75	--	--	--	--	--	2.32
MW-3	SCI	F	9/30/2004	-1.11	6.57	--	-300.7	-308.8	--	22,230	--	18.90	18.81	--	--	--	--	--	0.07
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	--	--	--	--	--	--
MW-5	SCI	F	7/29/2002	6.26	6.58	--	-24.5	-44.5	--	11,740	--	9.38	18.60	--	--	--	--	--	5.93
MW-5	SCI	F	1/23/2003	6.92	6.40	--	-1.7	-10	--	6,946	--	17.82	18.61	--	--	--	--	--	0.89
MW-5	SCI	F	10/1/2004	6.37	6.20	--	94.1	-19.7	--	5,931	--	20.44	19.03	--	--	--	--	--	1
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-1	SCI	E/H	1/24/2003	5.73	6.44	--	-3.7	-211.9	--	5,330	--	15.33	17.06	--	--	--	--	--	1.54

TABLE 6
GROUNDWATER QUALITY 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 BEFORE (mV)	Eh LABORATORY	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-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-2	SCI	N	7/31/2002	2.92	7.00	--	-114.7	-88.9	--	21,900	--	17.18	18.62	--	--	--	--	--	5.39
SCIMW-2	SCI	N	1/23/2003	5.79	6.80	--	-13.3	-88.4	--	25,260	--	16.23	16.94	--	--	--	--	--	2.16
SCIMW-2	SCI	N	10/4/2004	3.24	6.54	--	-78.4	-151.6	--	19,111	--	20.80	21.24	--	--	--	--	--	0.75
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-3	SCI	I/J	1/22/2003	7.73	6.28	--	-88.2	-64.6	--	10,040	--	18.79	20.30	--	--	--	--	--	2.09
SCIMW-3	SCI	I/J	10/4/2004	6.32	no readings taken, free product present														
SCIMW-4	SCI	L	9/22/1998	6.20	6.83	--	-127.0	--	--	--	--	--	--	--	--	--	--	--	0.23
SCIMW-4	SCI	L	12/3/1999	6.82	6.79	--	-131.8	-128.7	--	5,022	--	19.21	21.33	--	--	--	--	--	0.78
SCIMW-5	SCI	M	9/17/1998	5.78	6.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SCIMW-5	SCI	M	12/17/1998	5.64	6.81	--	130.6	--	--	--	--	--	--	--	--	--	--	--	2.41
SCIMW-5	SCI	M	5/6/1999	5.26	6.65	--	330.6	-36.9	--	16,030	--	15.72	15.95	15.02	20.59	--	--	6.91	0.63
SCIMW-5	SCI	M	8/26/1999	4.48	7.79	--	198.5	-89.9	--	20,569	--	--	--	--	--	--	--	--	2.73
SCIMW-5	SCI	M	12/2/1999	5.74	6.80	--	47.7	25.1	--	23,170	--	16.98	16.34	--	--	--	--	--	5.22
SCIMW-5	SCI	M	4/6/2000	3.54	6.60	--	459.0	367.2	--	18,280	--	15.99	15.69	--	--	--	--	--	2.69
SCIMW-5	SCI	M	5/31/2001	**Well Destroyed**															

TABLE 6
GROUNDWATER QUALITY 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 BEFORE (mV)	Eh LABORATORY	TDS FIELD, BEFORE PURGE (mg/L)	TDS LABORATORY (mg/L)	TEMPERATURE FIELD, BEFORE PURGE (°C)	TEMPERATURE FIELD, BEFORE SAMPLING (°C)	SALINITY FIELD, BEFORE PURGE (mg/L)	SALINITY FIELD, BEFORE SAMPLING (mg/L)	DISSOLVED ORGANIC CARBON (mg/L)	TOTAL ORGANIC CARBON (mg/L)	DISSOLVED OXYGEN FIELD, BEFORE PURGE (%)	DISSOLVED OXYGEN FIELD, BEFORE PURGE (mg/L)
SCIMW-6	SCI	C	9/23/1998	4.38	7.02	6.2	270.0	--	223.0	--	--	--	--	--	--	--	<1.0	--	4.10
SCIMW-6	SCI	C	12/10/1998	3.91	7.19	6.7	42.0	125.0	189.0	21,600	--	--	--	--	--	<1.0	--	--	7.46
SCIMW-6	SCI	C	5/6/1999	4.39	7.27	--	56.6	200.0	--	16,630	17,700	14.77	14.86	15.6	14.27	1.9	--	59.4	5.52
SCIMW-6	SCI	C	8/26/1999	6.56	7.11	--	140.6	176.4	--	23,244	23,500	--	--	--	--	<1.0	--	--	6.44
SCIMW-6	SCI	C	12/2/1999	4.00	7.02	--	23.7	18.9	--	22,360	26,800	15.38	17.44	--	--	1.2	--	--	7.49
SCIMW-6	SCI	C	4/6/2000	3.68	6.78	--	280.2	270.9	--	17,940	18,900	14.91	15.73	--	--	<1.0	--	--	5.12
SCIMW-6	SCI	C	7/30/02	3.57	6.60	--	32.6	85.2	--	29,430	27,740	17.50	20.47	--	--	--	--	--	2.39
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-7	SCI	P/Q	7/30/2002	7.28	7.36	--	-103.9	-92.9	--	11,060	--	20.21	18.43	--	--	--	--	--	3.48
SCIMW-7	SCI	P/Q	1/23/2003	7.47	6.63	--	-48.4	-37.8	--	3,104	--	15.15	18.49	--	--	--	--	--	1.85
SCIMW-7	SCI	P/Q	10/6/2004	6.57	6.04	--	-228.1	-201.18	--	20,360	--	20.28	19.52	--	--	--	--	--	2.17
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-8	SCI	I	1/22/2003	7.63	6.13	--	-36.4	-17.0	--	4,760	--	18.03	19.54	--	--	--	--	--	1.36
SCIMW-8	SCI	I	10/6/2004	7.29	6.18	--	-46.3	-111.9	--	17,154	--	22.36	22.88	--	--	--	--	--	1.68
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-9	SCI	I	11/22/2003	7.41	6.33	--	-28.6	-40.3	--	5,730	--	18.60	20.88	--	--	--	--	--	1.28
SCIMW-9	SCI	I	10/4/2004	6.16	6.26	--	-187.7	-214.3	--	12,800	--	23.61	22.53	--	--	--	--	--	0.79

TABLE 6
GROUNDWATER QUALITY 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 BEFORE (mV)	Eh LABORATORY	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-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-10	SCI	J	1/22/2003	5.89	6.87	--	-124.9	-150.8	--	19,690	--	20.29	20.96	--	--	--	--	--	1.06
SCIMW-11	SCI	N	9/23/1998	4.72	7.01	6.5	-158.0	--	123.0	7,260	--	--	--	--	--	--	6.3	--	0.17
SCIMW-11	SCI	N	12/10/1998	3.32	7.12	6.8	-55.4	-123.8	-29.0	7,600	--	--	--	--	--	7.3	--	--	1.47
SCIMW-11	SCI	N	5/6/1999	3.48	7.21	--	358.1	39.8	--	4,511	3,880	17.81	17.63	3.84	3.41	12	6.5	27.6	2.59
SCIMW-11	SCI	N	8/26/1999	4.31	7.28	--	145.5	139.9	--	21,644	6,530	--	--	--	--	6.5	--	--	4.49
SCIMW-11	SCI	N	12/1/1999	4.07	6.52	--	286.4	-56.1	--	9,560	7,850	17.52	18.37	--	--	5.1	--	--	5.53
SCIMW-11	SCI	N	4/6/2000	2.49	6.74	--	312.5	-87.5	--	5,980	5,280	16.74	16.99	--	--	11.0	--	--	3.89
SCIMW-11	SCI	N	10/4/2000	4.00	6.19	--	82.9	-65.1	--	11,480	--	19.77	21.54	--	--	--	--	--	5.68
SCIMW-11	SCI	N	5/2/2001	2.54	6.61	--	-16.1	-15.3	--	8,460	--	18.24	15.94	--	--	--	--	--	6.73
SCIMW-11	SCI	N	11/27/2001	5.94	7.04	--	--	--	--	7,304	--	16.67	14.93	--	--	--	--	--	2.86
SCIMW-11	SCI	N	7/30/2002	2.64	7.73	--	130.1	-64.05	--	9,926	--	21.32	20.30	--	--	--	--	--	5.59
SCIMW-11	SCI	N	1/22/2003	3.59	6.15	--	-33.5	25.5	--	12,860	--	17.29	16.40	--	--	--	--	--	2.19
SCIMW-11	SCI	N	10/1/2004	2.79	6.7	--	16.7	-6.2	--	14,950	--	23.40	23.08	--	--	--	--	--	6
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-12	SCI	O	7/30/2002	3.74	6.57	--	56.8	81.6	--	22,420	--	19.90	21.65	--	--	--	--	--	5.74
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

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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)	pH FIELD, BEFORE SAMPLING	pH LABORATORY	Eh FIELD, BEFORE PURGE (mV)	Eh FIELD, BEFORE BEFORE (mV)	Eh LABORATORY	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-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-13	SCI	J	1/23/2003	7.00	6.29	--	30.9	-11.6	--	6,010	--	18.05	19.82	--	--	--	--	--	1.92
SCIMW-13	SCI	J	10/4/2004	6.87	6.6	--	-281.6	-331.4	--	22,050	--	22.12	23.44	--	--	--	--	--	1.88
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	17.60	16.30	--	--	--	--	70.9	--
SCIMW-14	SCI	I/J	8/26/1999	7.95	7.19	--	-59.2	-77.6	--	13,657	2,930	--	--	--	--	18	--	--	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	R	5/30/2001	**Well Destroyed**															
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	--	--	--	--	4,489	--	16.42	16.61	--	--	--	--	--	0.38
SCIMW-15	SCI	I/J	7/30/2002	4.18	7.07	--	25.2	-61.6	--	4,840	--	16.42	16.61	--	--	--	--	--	4.70
SCIMW-15	SCI	I/J	1/22/2003	5.12	6.46	--	9.5	-14.5	--	4,590	--	16.12	15.76	--	--	--	--	--	1.83
SCIMW-15	SCI	I/J	10/1/2004	4.97	6.49	--	-108.9	-107.8	--	9,232	--	20.81	23.34	--	--	--	--	--	0.62
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	6.68	6.95	--	-103.4	-148.8	--	22,360	--	20.76	19.52	--	--	--	--	--	2.88
SCIMW-16	SCI	R	7/31/2002	6.39	7.35	--	-283.0	-205.6	--	24,080	--	27.64	22.34	--	--	--	--	--	2.56
SCIMW-17	SCI	R	9/21/1998	6.94	5.13	--	-122.0	--	--	--	--	--	--	--	--	--	--	--	0.14
SCIMW-17	SCI	R	12/1/1999	6.65	7.09	--	-124.6	-135.1	--	5,810	--	19.71	20.93	--	--	--	--	--	3.10
SCIMW-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

TABLE 6
GROUNDWATER QUALITY 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 BEFORE (mV)	Eh LABORATORY	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-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-18	SCI	L	1/22/2003	6.86	6.38	--	-56.2	-60.2	--	16,580	--	19.37	18.96	--	--	--	--	--	1.43
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-19	SCI	R	7/31/2002	6.36	6.71	--	-37.7	-75.8	--	12,330	--	22.00	21.53	--	--	--	--	--	12.33
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 Destroyed**															
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-21	SCI	D	8/1/2002	6.48	6.85	--	-37.0	-50.6	--	11,680	--	17.03	17.62	--	--	--	--	--	1.88
SCIMW-21	SCI	D	1/23/2003	6.83	6.66	--	-13.2	-19.0	--	1,799	--	13.82	18.06	--	--	--	--	--	3.41
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-22	SCI	P	11/22/2003	7.32	6.44	--	-286.0	-101.0	--	23,420	--	20.04	15.53	--	--	--	--	--	1.04
SCIMW-22	SCI	P	10/4/2004	6.08	6.59	--	-253.4	-261.7	--	19,480	--	24.41	25.54	--	--	--	--	--	1.13
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

TABLE 6
GROUNDWATER QUALITY 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 BEFORE (mV)	Eh LABORATORY	TDS FIELD, BEFORE PURGE (mg/L)	TDS LABORATORY (mg/L)	TEMPERATURE FIELD, BEFORE PURGE (°C)	TEMPERATURE FIELD, BEFORE SAMPLING (°C)	SALINITY FIELD, BEFORE PURGE (mg/L)	SALINITY FIELD, BEFORE SAMPLING (mg/L)	DISSOLVED ORGANIC CARBON (mg/L)	TOTAL ORGANIC CARBON (mg/L)	DISSOLVED OXYGEN FIELD, BEFORE PURGE (%)	DISSOLVED OXYGEN FIELD, BEFORE PURGE (mg/L)
SCIMW-23	SCI	B	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-23	SCI	H	9/30/2004	**Well Destroyed**															
SCIMW-24	SCI	N	9/18/1998	4.96	6.38	6.3	-158.0	--	-52.0	1,850	--	--	--	--	--	29	--	--	0.13
SCIMW-24	SCI	N	12/11/1998	5.79	6.80	6.6	117.3	-100.6	-21.0	13,200	--	--	--	--	--	27	--	--	1.18
SCIMW-24	SCI	N	5/6/1999	5.14	6.92	--	-87.2	-81.2	--	1,134	1,090	19.19	18.65	0.88	0.87	23	--	72	6.67
SCIMW-24	SCI	N	12/1/1999	4.99	6.28	--	-47.0	-59.8	--	2,586	2,370	20.60	20.02	--	--	19	--	--	5.09
SCIMW-24	SCI	N	4/6/2000	5.05	6.83	--	-92.1	-97.6	--	1,781	--	18.84	18.07	--	--	33	--	--	1.60
SCIMW-24	SCI	N	10/5/2000	4.95	6.60	--	33.5	-32.5	--	2,720	--	24.25	23.17	--	--	--	--	--	7.45
SCIMW-24	SCI	N	5/2/2001	4.94	5.84	--	-30.0	-19.5	--	1,520	--	20.09	19.42	--	--	--	--	--	9.12
SCIMW-24	SCI	N	11/27/2001	5.37	6.93	--	--	--	--	2,245	--	21.37	18.12	--	--	--	--	--	2.76
SCIMW-24	SCI	N	7/30/2002	5.17	6.55	--	-113.6	-92.0	--	2,134	--	23.61	23.21	--	--	--	--	--	4.28
SCIMW-24	SCI	N	1/22/2003	5.74	6.65	--	94.9	-53.2	--	1,958	--	18.64	17.07	--	--	--	--	--	1.09
SCIMW-24	SCI	N	10/4/2004	5.11	6.15	--	-116.6	-106.4	--	4,011	--	22.87	24.55	--	--	--	--	--	1.17
SCIMW-25	SCI	H	5/30/2001	**Well Destroyed**															
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-26	SCI	H	1/24/2003	5.74	7.44	--	31.3	-9.2	--	1,198	--	14.67	15.52	--	--	--	--	--	3.14
SCIMW-26	SCI	H	10/4/2004	7.75	5.98	--	-40.3	-92.2	--	10,880	--	21.52	22.83	--	--	--	--	--	1.47
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

TABLE 6
GROUNDWATER QUALITY 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 BEFORE (mV)	Eh LABORATORY	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-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-28	SCI	Q	7/31/2002	8.19	6.64	--	-13.5	-40.7	--	22,710	--	16.82	16.75	--	--	--	--	--	4.60
SCIMW-28	SCI	Q	1/23/2003	8.70	6.11	--	-13.9	2.7	--	320	--	14.83	17.28	--	--	--	--	--	3.42
SCIMW-28	SCI	Q	10/6/2004	7.81	6.05	--	-35.4	-16.8	--	758	--	19.77	18.89	--	--	--	--	--	0.93
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-29	SCI	Q	1/22/2003	7.71	6.67	--	-2.8	-105.1	--	6,270	--	16.18	16.82	--	--	--	--	--	2.41
SCIMW-29	SCI	Q	10/6/2004	7.48	6.65	--	29.5	-195	--	4,956	--	18.13	17.42	--	--	--	--	--	2.04
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	7.60	6.41	--	--	--	--	23,220	--	22.21	22.09	--	--	--	--	--	1.32
SCIMW-30	SCI	P	7/30/2002	7.93	6.81	--	-237	-302.3	--	10,030	--	24.56	20.25	--	--	--	--	--	9.91
SCIMW-30	SCI	P	1/22/2003	8.09	6.27	--	-282.8	-327.0	--	12,830	--	16.89	18.54	--	--	--	--	--	4.74
SCIMW-30	SCI	P	10/4/2004	7.45	6.66	--	-381.7	-355.1	--	15,970	--	20.92	20.91	--	--	--	--	--	1.84
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-31D	SCI	P	7/30/2002	4.05	7.09	--	0.3	31.7	--	17,460	--	22.63	20.94	--	--	--	--	--	7.37
SCIMW-31D	SCI	P	1/22/2003	4.83	6.69	--	328.0	357.9	--	9,475	--	20.82	19.24	--	--	--	--	--	3.90

TABLE 6
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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)	pH FIELD, BEFORE SAMPLING	pH LABORATORY	Eh FIELD, BEFORE PURGE (mV)	Eh FIELD, BEFORE BEFORE (mV)	Eh LABORATORY	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-31D	SCI	P	10/4/2004	5.37	7.22	--	-144.8	-17.4	--	10,830	--	24.59	20.05	--	--	--	--	--	3.25
SCIMW-32	SCI	I/P	9/21/1998	7.71	5.11	--	-101.0	--	--	--	--	--	19.12	--	--	--	--	--	0.09
SCIMW-32	SCI	I/P	5/5/1999	8.43	6.24	--	-44.2	-88.4	--	2,839	--	20.56	19.08	--	--	--	--	94.6	--
SCIMW-32	SCI	I/P	12/1/1999	8.04	7.03	--	-13.3	-79.8	--	3,847	--	21.68	21.45	--	--	--	--	--	3.82
SCIMW-32	SCI	I/P	10/4/2004	7.79	6.48	--	-229.7	-211.2	--	11,680	--	23.44	22.94	--	--	--	--	--	1.04
SCIMW-33	SCI	I/J	9/21/1998	7.15	4.98	--	-194.0	--	--	--	--	--	21.45	--	--	--	--	--	0.09
SCIMW-33	SCI	I/J	5/5/1999	7.47	6.60	--	-72.9	-88.4	--	3,355	--	19.80	19.11	--	--	--	--	35.3	--
SCIMW-33	SCI	I/J	12/1/1999	6.75	6.81	--	-58.8	-113.2	--	6,845	--	19.94	22.11	--	--	--	--	--	3.67
SCIMW-33	SCI	I/J	10/4/2000	7.12	6.06	--	10.1	-79.7	--	7,800	--	24.05	20.44	--	--	--	--	--	2.97
SCIMW-33	SCI	I/J	5/2/2001	7.17	6.44	--	-21.0	-19.4	--	5,160	--	20.32	19.19	--	--	--	--	--	3.33
SCIMW-33	SCI	I/J	11/27/2001	7.84	6.89	--	--	--	--	7,535	--	20.91	19.81	--	--	--	--	--	3.40
SCIMW-33	SCI	I/J	7/30/2002	7.93	7.03	--	-69.5	-40.9	--	16,900	--	20.59	21.48	--	--	--	--	--	--
SCIMW-33	SCI	I/J	1/23/2003	7.41	6.29	--	-104.1	-160.0	--	11,390	--	18.94	20.60	--	--	--	--	--	2.29
SCIMW-33	SCI	I/J	10/6/2004	6.95	6.5	--	-114.2	-122.7	--	7,511	--	24.55	23.40	--	--	--	--	--	0.98
SCIMW-34	SCI	R	9/24/1998	4.87	6.87	6.3	--	--	-15.0	15,000	--	--	22.11	--	--	12	--	--	--
SCIMW-34	SCI	R	12/11/1998	4.91	6.78	6.5	-110.2	-60.9	118.0	6,520	--	--	--	--	--	11	--	--	2.33
SCIMW-34	SCI	R	5/5/1999	4.49	6.82	--	-52.3	-43.3	--	6,775	15,500	15.57	14.75	--	--	4.9	--	46.1	--
SCIMW-34	SCI	R	8/26/1999	6.86	6.63	--	29.4	8.6	--	13,905	11,400	--	--	--	--	5.7	--	--	1.36
SCIMW-34	SCI	R	12/2/1999	4.70	6.91	--	174.8	23.0	--	11,810	14,400	17.46	17.16	--	--	7.2	--	--	4.35
SCIMW-34	SCI	R	4/6/2000	5.50	6.97	--	202.4	194.9	--	12,510	14,400	14.61	14.53	--	--	6.0	--	--	3.87
SCIMW-34	SCI	R	10/5/2000	5.94	6.40	--	8.2	14.2	--	9,020	--	20.0	18.60	--	--	--	--	--	2.47
SCIMW-34	SCI	R	5/2/2001	4.46	6.05	--	-19.4	-18.1	--	7,980	--	16.02	15.22	--	--	--	--	--	2.31
SCIMW-34	SCI	R	11/29/2001	4.78	6.41	--	--	--	--	18,060	--	17.90	17.50	--	--	--	--	--	1.92
SCIMW-34	SCI	R	7/30/2002	4.69*	7.42	--	8.6	-15.4	--	16,980	--	17.21	17.58	--	--	--	--	--	4.91
SCIMW-34	SCI	R	1/22/2003	5.09	6.74	--	-74.0	-99.0	--	10,060	--	14.58	15.22	--	--	--	--	--	2.02
SCIMW-34	SCI	R	10/6/2004	4.88	6.29	--	211.1	164.3	--	16,320	--	19.19	19.15	--	--	--	--	--	1.36
SCIMW-35	SCI	R	9/23/1998	4.74	6.76	--	125.0	--	--	--	--	--	--	--	--	--	--	--	3.06
SCIMW-35	SCI	R	12/11/1998	5.15	6.88	--	41.0	-7.1	--	--	--	--	--	--	--	--	--	--	1.80

TABLE 6
GROUNDWATER QUALITY 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 BEFORE (mV)	Eh LABORATORY	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-35	SCI	R	5/6/1999	4.50	6.76	--	83.0	64.0	--	2,382	--	16.06	15.70	--	--	--	--	147.6	--
SCIMW-35	SCI	R	8/26/1999	5.95	6.98	--	96.6	3.3	--	9,283	--	--	--	--	--	--	--	--	2.61
SCIMW-35	SCI	R	12/2/1999	4.63	6.55	--	166.9	111.5	--	10,250	--	18.39	18.56	--	--	--	--	--	4.52
SCIMW-35	SCI	R	4/6/2000	4.55	6.87	--	309.5	263.4	--	6,123	--	15.57	16.03	--	--	--	--	--	2.86
SCIMW-35	SCI	R	10/5/2000	4.55	6.27	--	164.0	101.3	--	7,888	--	22.28	20.77	--	--	--	--	--	3.07
SCIMW-35	SCI	R	11/29/2001	4.81	6.81	--	--	--	--	15,210	--	19.81	19.62	--	--	--	--	--	1.90
SCIMW-35	SCI	R	1/22/2003	5.08	6.99	--	91.8	120.0	--	6,370	--	17.61	16.05	--	--	--	--	--	2.59
SCIMW-35	SCI	R	10/6/2004	4.84	6.41	--	176	123.1	--	14,050	--	21.02	21.49	--	--	--	--	--	1.22

Notes:
Eh = Redox potential or oxidizing-reduction potential
TDS = Total Dissolved Solids
mV = millivolts
mg/L = milligrams per Liter
Groundwater elevation measurements presented are those collected on the first day of sampling for the event and may not be the same as the date sampled.
* = Well was inaccessible on the first day of sampling, the groundwater elevation presented was obtained on the day that the well was actually sampled and is not shown on Table 2.
Fugro West, Inc. (Fugro) acquired the assets of
Subsurface Consultants, Inc. (SCI) in September 2001.

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

SAMPLE DESIGNATION	CONSULTANT	SITE REF AREA	DATE SAMPLED	GROUNDWATER ELEVATION Port of Oak. Datum (FEET)	Acenaphthene (µg/L)		Acenaphthylene (µg/L)		Anthracene (µg/L)		Chrysene (µg/L)		Benzo(b, k) Fluoranthene (µg/L)		Benzo(g,h,i) Perlene (µg/L)		Benzo(a) Pyrene (µg/L)		Indeno (1,2,3-cd) pyrene (µg/L)		Fluoranthene (µg/L)		Fluorene (µg/L)		Naphthalene (µg/L)		Phenanthrene (µg/L)		Other PNAs (µg/L)	
					Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
MW-5	SCI	F	1/20/1997	8.38	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	ND	--
MW-6	SCI	F	9/5/1996	6.67	<470	--	<470	--	<470	--	<470	--	<470	--	<470	--	<470	--	<470	--	<470	--	<470	--	<470	--	<470	--	a	--
MW-7	SCI	M	9/5/1996	5.48	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	ND	--
MW-7	SCI	M	1/17/1997	6.48	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	ND	--
SCIMW-1	SCI	E/H	5/24/1996	5.09	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	ND	--
SCIMW-1	SCI	E/H	9/6/1996	4.39	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	ND	--
SCIMW-1	SCI	E/H	1/22/1997	5.29	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	ND	--
SCIMW-2	SCI	N	5/23/1996	4.04	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	ND	--
SCIMW-2	SCI	N	9/4/1996	3.38	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	b	--
SCIMW-2	SCI	N	1/17/1997	3.62	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	ND	--
SCIMW-2	SCI	N	9/18/1998	4.07	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	ND	--
SCIMW-2	SCI	N	12/10/1998	3.52	<10	<9.8	<10	<9.8	<10	<9.8	<10	<9.8	<10	<9.8	<10	<9.8	<10	<9.8	<10	<9.8	<10	<9.8	<10	<9.8	<10	<9.8	<10	<9.8	--	--
SCIMW-3	SCI	I/J	5/23/1996	7.22	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	ND	--
SCIMW-3	SCI	I/J	9/5/1996	6.67	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	ND	--
SCIMW-3	SCI	I/J	1/20/1997	6.46	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	ND	--
SCIMW-3	SCI	I/J	9/18/1998	4.29	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	<11	--	--
SCIMW-4	SCI	L	8/26/1996	5.50	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	ND	--
SCIMW-4	SCI	L	1/22/1997	8.43	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	ND	--
SCIMW-5	SCI	M	9/3/1996	4.63	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	ND	--
SCIMW-5	SCI	M	1/20/1997	6.12	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	ND	--
SCIMW-5	SCI	M	5/31/2001	**Well Destroyed**																										
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	--	**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	--	--

TABLE 7
HISTORICAL 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-9	SCI	I	8/29/1996	6.40	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	ND	--
SCIMW-9	SCI	I	1/23/1997	6.66	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	ND	--
SCIMW-9	SCI	I	9/22/1998	6.64	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	<9.7	--	--
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	ND	--
SCIMW-14	SCI	I/J	5/31/2001	**Well Destroyed**																										
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	7.87	<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-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 Destroyed**																										

TABLE 7
HISTORICAL 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-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	--	<9.4	--	<9.4	--	ND	--
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	**70**	--	**5.9J**	--	**c**	--
SCIMW-24	SCI	N	5/6/1999	5.14	--	<10	--	<10	--	<10	--	<10	--	<10	--	--	--	<10	--	<10	--	<10	--	<10	--	<10	--	<10	--	--
SCIMW-24	SCI	N	12/1/1999	4.99	--	<10	--	<10	--	<10	--	<10	--	<10	--	--	--	<10	--	<10	--	<10	--	<10	--	<10	--	<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	--	<9.5	**67**	--	<9.5	--	--
SCIMW-24	SCI	N	11/26/2001	5.37	--	<9.6	--	<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-24	SCI	N	1/21/2003	5.74	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.4	--	<9.2	**92**	--	**10**	--	<9.4
SCIMW-28	SCI	Q	9/25/1998	7.83	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	<9.5	--	--
SCIMW-33	SCI	I/J	10/6/1998	7.15	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	<9.6	--	--
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-34	SCI	R	7/31/2002	4.69*	--	<9.8	--	<9.8	--	<9.8	--	<9.8	--	<9.8	--	<9.8	--	<9.8	--	<9.8	--	<9.8	--	<9.8	--	<9.8	--	<9.8	--	<9.8
SCIMW-34	SCI	R	1/21/2003	5.09	--	<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.
elevations from all other wells were obtained.
* = Well was inaccessible on the first day of sampling, the groundwater elevation presented was obtained on the day that the well was actually sampled and is not shown on Table 2.

Fugro West, Inc. (Fugro) acquired the assets of
Subsurface Consultants, Inc. (SCI) in September

TABLE 8
HISTORICAL 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 Destroyed**												
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

TABLE 8
HISTORICAL 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-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
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 Destroyed**												
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

TABLE 8
HISTORICAL 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-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 Destroyed**												
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.

* = Well was inaccessible on the first day of sampling, the groundwater elevation presented was obtained on the day that the well was actually sampled and is not shown on Table 2.

Fugro West, Inc. (Fugro) acquired the assets of Subsurface Consultants, Inc. (SCI) in September 2001.

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 Destroyed**			
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.

Fugro West, Inc. (Fugro) acquired the assets of Subsurface Consultants, Inc. (SCI) in September 2001.

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

NORTH

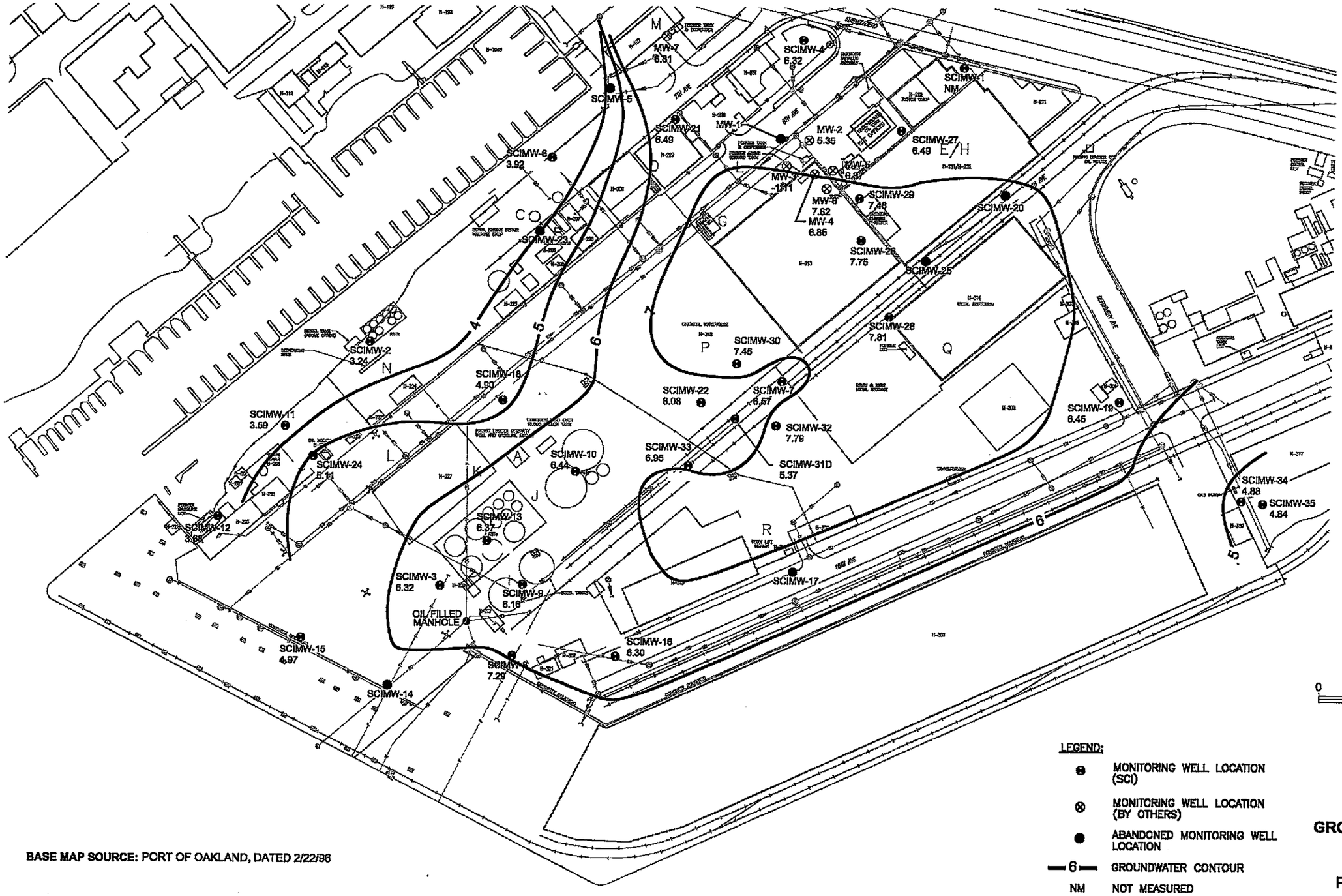
0 2400 4800

FEET

VICINITY MAP

Groundwater Monitoring - 2004
Ninth Avenue Terminal, Port of Oakland
Oakland, California

PLATE 1



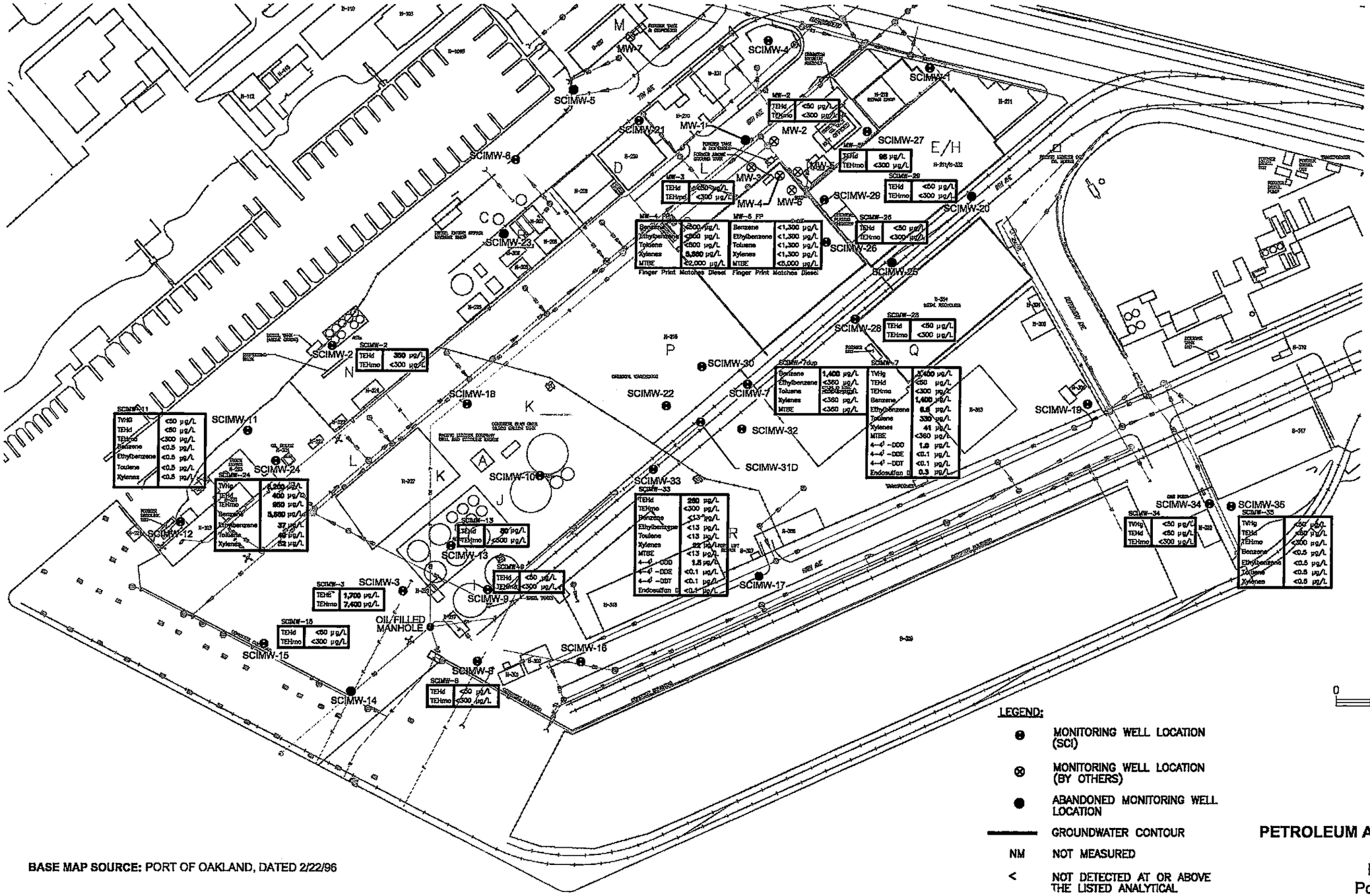
BASE MAP SOURCE: PORT OF OAKLAND, DATED 2/22/96

LEGEND:

- MONITORING WELL LOCATION (SCI)
- MONITORING WELL LOCATION (BY OTHERS)
- ABANDONED MONITORING WELL LOCATION
- 6 GROUNDWATER CONTOUR
- NM NOT MEASURED

GROUNDWATER ELEVATIONS
SEPTEMBER 2004
Ninth Avenue Terminal
Port of Oakland, California

PLATE 2



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

LEGEND:

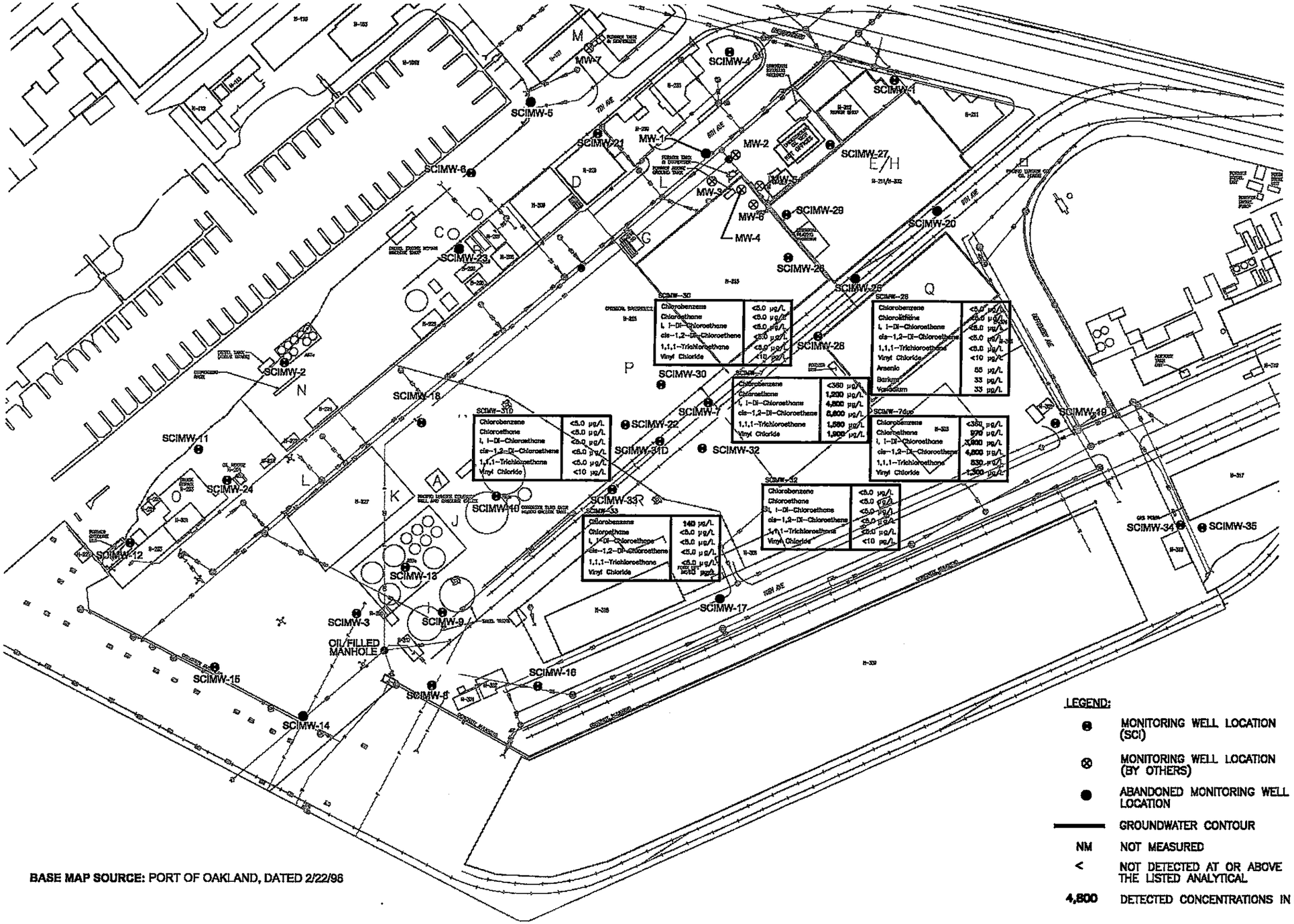
- MONITORING WELL LOCATION (SCI)
- MONITORING WELL LOCATION (BY OTHERS)
- ABANDONED MONITORING WELL LOCATION
- GROUNDWATER CONTOUR
- NM — NOT MEASURED
- < — NOT DETECTED AT OR ABOVE THE LISTED ANALYTICAL
- **8,200** — DETECTED CONCENTRATIONS IN **BOLD**

PETROLEUM AND PESTICIDE CONCENTRATIONS
SEPTEMBER 2004
Ninth Avenue Terminal
Port of Oakland, California

PLATE 3

December 2004
Project No. 133.023

FUGRO



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

LEGEND:

- ● MONITORING WELL LOCATION (SCI)
- ⊗ MONITORING WELL LOCATION (BY OTHERS)
- ● ABANDONED MONITORING WELL LOCATION
- GROUNDWATER CONTOUR
- NM NOT MEASURED
- < NOT DETECTED AT OR ABOVE THE LISTED ANALYTICAL
- **4,800** DETECTED CONCENTRATIONS IN **BOLD**

VOC AND METALS CONCENTRATIONS SEPTEMBER 2004

Ninth Avenue Terminal
Port of Oakland, California

PLATE 4

APPENDIX A
ACEH LETTER DATED JULY 22, 2004

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 22, 2004

Ms. Diane Heinze
Port of Oakland
PO Box 2064
Oakland, CA 94604-2064

Dear Ms. Heinze:

Subject: TOXIC Case No. RO2492 (and previous RO106, RO108, RO109, RO110, RO244, RO485) Port of Oakland / Ninth Avenue Terminal, 370 8th Avenue, Oakland, CA 94606

Alameda County Environmental Health (ACEH) staff has recently reviewed the case file for the subject site and the October 13, 2003 Port of Oakland letter proposing specific monitoring changes, well closures, LOP site closure and work plans. We have the following technical comments to this letter.

TECHNICAL COMMENTS

The Ninth Avenue Terminal site consists of Port of Oakland properties in the areas bordered by the Embarcadero, 7th Avenue, 10th Avenue and the Oakland-Alameda estuary. Impacted parcels and areas have been identified from authoritative sampling of UST areas, aboveground tank locations, subsurface utilities and former surface release and hazardous materials storage areas. ACEH has approved the investigations of the suspected impacted areas, however, heretofore, the Port and their consultants have directed investigations. The work was done to identify source areas related to past operations and storage of hazardous materials. Initially, other sources were investigated to determine if they could have contributed to the historic release observed from the "Keep-On-Trucking" site. Most sites identified were determined not to have contributed to this historic release. However, the Port identified additional RPs as owners and/or operators of USTs in locations where petroleum contamination had been detected. Those sites associated with the USTs were put into ACEH LOP. Apparently, the Port has settled responsibility issues with these RPs, since it has accepted primary RP status for the entire site, collectively and commonly known as the Ninth Ave. Terminal. Although some of the sites have been investigated more than others, much of the investigation was performed treating the multiple sites using a regional site-wide approach. Remediation has consisted solely of free product removal from areas where it has collected, i.e. manholes and wells, and USTs and soil removal.

The Port requested, in their July 29, 2003 letter, that work at the entire site be suspended until the close of escrow with Oakland Harbor Partners (OHP), projected to be between September 2005 and September 2007. The assumption was that OHP would develop a Regional Approach for the remediation of this site, which is part of the Oak to Ninth project encompassing approximately 62 acres. ACEH's September 11, 2003 letter stated we did not concur with this proposal since this would not be protective of human health and the environment, nor in compliance with environmental regulations. The Port's responded to ACEH's letter in their October 13, 2003, Ninth Avenue Terminal letter, which ACEH addresses below.

1. **Regional Case Approach** – ACEH has decided to combine all existing and all future release areas at this site into one site, which is consistent with the Regional Approach. This decision is based upon the following observations:

   - Site information has previously been presented individually or consolidated into a site-wide monitoring report. Several of the LOP sites within the Ninth Ave. Terminal area have been proposed for no further action by the Port. Data is scattered among seven sites, six LOP and one TOXIC (SLIC). Consolidation of sites and data will allow for easier data presentation, review and interpretation. No further action can be given to specific tank locations while the other areas of concern continue to be investigated, with site closure as the ultimate objective.

   - Cost apportionment has been completed between the Port and RPs and no other RPs are expected to be identified.

   - Given the expected most conservative future residential use of the site, it makes sense to use a regional approach and consolidate all sites.

   - Additional contamination is likely to be identified given the historic industrial site use and the presence of solvent contamination. Petroleum contamination has been identified in areas remote from known UST releases indicating the potential of additional surface releases. Contamination may be discovered during the demolition of buildings during development. Under the single site scenario, no new sites would need to be established.

   As such, ACEH will consolidate Fuel Leak Case No. RO106, RO108, RO109, RO110, RO244, RO485 into one case, RO2492, named Port of Oakland / Ninth Avenue Terminal. A letter requesting additional fees for this account will follow.

2. **Work Plan Review** - Based upon the assumption that OHP would develop a regional approach, the Port suspended monitoring and proposed work plan activities. However delays in the sales has made this regional approach unpredictable. Several site-specific work plans have been submitted to ACEH, which the Port has recently committed to implement. ACEH will be providing comment on the submitted work plans addressing specific UST release areas. ACEH will also be requesting work plan(s) for additional site characterization of contaminants at this site.

3. **Plume Characterization** - The Port's October 13, 2003 letter states that groundwater impacts remain relatively consistent and plumes are stable, however, no specific data was provided to support this claim. In addition, most sites have not been completely characterized, therefore, it is not yet appropriate to discuss plume stability.

4. **Human Health and Ecological Risk Assessment** - A formal human health or environmental risk assessment has not been performed for the site; therefore, it is premature to suggest that the site currently poses minimal risk to human health and the environment. ACEH notes that a prior soil vapor study performed at the site identified numerous locations where soil vapor samples exceeded 10% of the LEL of methane, indicative of a potential hazardous condition.

5. **Comments to Technical Proposals** - The Port has made a number of proposals in reference to the investigation, remediation and monitoring of this site. ACEH has the following technical response to the proposed changes in monitoring and recommendations for UST investigation and closure.

a. Monitoring and Well Decommissioning Recommendations

MW #	Port of Oakland Proposal	County Comment/Rationale
MW-2	Discontinue TEHd, mo	KOT UST area. Perimeter well around FP. Continue annual TEHd, mo w/silica gel
MW-3	Discontinue BTEX, MTBE, Continue annual TEHd, mo	Concur
MW-4	Discontinue all analysis, remove FP annually	Bailing not sufficient, propose remediation method, analyze FP for TPHg, d, mo, BTEX and MTBE.
MW-5	Discontinue	KOT UST area. Perimeter well around FP. Continue annual TEHd, mo w/silica gel
MW-6	Discontinue	Bailing not sufficient, propose remediation method, analyze FP for TPHg, d, mo, BTEX and MTBE.
MW-7	Destroy well	Continue DTW annually. County will consider Port's closure request for no further work
SCIMW-1	Discontinue	Continue DTW annually.
SCIMW-2	Annual TEHd, mo w/silica gel, discontinue metals	Concur, perimeter well, near former ASTs, historic TEHd, mo impact, up to 2001, currently 120 ppb diesel.
SCIMW-3	Continue annual TEHd, mo	Concur, down gradient of former AST farm
SCIMW-4	Water level readings only	Concur, up gradient perimeter well
SCIMW-6	Water level readings only	Concur, perimeter well, not impacted
SCIMW-7	TEHd, mo, VOCs, pesticides annually	Solvent, TPH, pesticides release. Sample qtrly for TPHg, BTEX, VOCs, TPHd, mo and pesticides. Area will require additional investigation & possible remediation, WP will be requested.
SCIMW-8	TEHd, mo w/silica gel annual	Concur, along bulkhead, TEHd, mo ND since 1998
SCIMW-9	Continue annual TEHd, mo	Concur, former AST area, up to 7000ppb TEHmo (1/2003)
SCIMW-10	Discontinue TEHd, mo	Concur, annual water elevation readings
SCIMW-11	TVH, BTEX, TEHd, mo SA to A	Concur, well down gradient of UST
SCIMW-13	Discontinue annual TEHd, mo	Well within former AST area with historic release, continue annual TEHd, mo
SCIMW-15	SA to A, TEHd, mo	Concur, well along bulkhead
SCIMW-16	Water level only	Concur, TEHd low to ND
SCIMW-18	Discontinue TEHd, mo	Concur, annual DTW level, down gradient of former ASTs, near storm drain
SCIMW-19	Water level only	Concur, up gradient perimeter well, TEHd, mo ND
SCIMW-21	Discontinue	Annual DTW level, outside of Bldg H-229, TEHd, mo ND since 1998
SCIMW-22	Discontinue	Solvent area well, run VOCs annually
SCIMW-23	Destroy well	Concur, well has low to ND TEHd, mo, and is at risk from potential surface releases due

		to no surfacing and high vehicle traffic
SCIMW-24	BTEX, TVH and TEHd, mo SA to A	Monitoring should remain as SA. Elevated concentrations present (1997-2003). Will review Port's 11/7/03 second phase investigation wp
SCIMW-26	Discontinue BTEX, MTBE, continue A TEHd, mo	Concur, but run TVH annually since it has been analyzed only once, well is up gradient & at perimeter of FP area.
SCIMW-28	Heavy metals SA to A	Concur, also run VOCs annually, well is near the solvent release area along RR track & down gradient of Lakeside Metal UST
SCIMW-29	Discontinue BTEX and MTBE	Concur, but run TEHd, mo annually, this well is near impacted well MW-6, in the KOT UST area.
SCIMW-30	Discontinue all analyses	Well was installed in VOC release area, monitor for VOCs annually
SCIMW-31D	VOCs SA to A	Concur, County will request additional invest. wp for the VOC release, including possible additional deep gw sampling
SCIMW-32	No monitoring proposed	Well is within the solvent release area, run VOCs annually, gradient appears radial
SCIMW-33	TEHd, mo, VOCs and pesticides annually	Concur, well is monitoring solvent release area
SCIMW-34	Discontinue BTEX, MTBE, TVH, PNAs and metals, TEHd, mo SA to A	Concur, also add TVH annually along with TEHd, mo, well was installed for the investigation of diesel and gasoline USTs, County to review 5/03 wp
SCIMW-35	Discontinue BTEX and TVH	Analyze for TVH, BTEX and TPHd annually, monitoring is subject to results of future investigation, County to review 5/03 wp

b. UST Removal and Closure Status

Case #	UST Name	Bldg Location	Current Status	County Response
RO0000106	HF-03	H-107	Closure requested	County will review site for potential no further action
-------	HF-02	H-213	Port submitted wp, 5/2003	County will review wp
RO0000109	HF-12 & HF-13	H-211	11/02 wp approved, Port requests suspension, Bldg above UST occupied by OPD	Concur, Port should evaluate data and propose investigation of area outside of building.
RO0000108	HF-14 & HF-15	H-209	USTs closed-in-place, closure requested	County will review closure report and NFA request
RO0000485	HF-16	H-204	8/2003 invest report submitted to County, Port submitted 11/7/03 addnl s&gw wp	County will review 8/03 report and 11/7/03 wp

----------	HF-17	H-227	8/2003 invest report submitted to County	County will review 8/03 report, provide comments & respond to request to put site invest on hold.
RO0000244	HF-19	H-314	Port submitted wp 5/03.	County will review 5/03 wp
RO0000110	HF-20&HF-21	H-317	Port submitted wp 5/03.	County will review 5/03 wp
RO0002492	Solvent release area, surface release areas, HF-02, HF-17	Entire site	SLIC case for entire 9th Ave. Terminal site, wp and reports exist for USTs,HF-02 and HF-17	a specific wp request will be sent pertaining to the solvent release(s)

6. **Professional Registration Requirement** - It is noted that the Port has made specific observations and recommendations for this site in the October 13, 2003 Response Letter. The California Business and Professions Code (Sections 6735, 6835, and 7835.1) require that all work plans and technical reports containing professional geologic or engineering evaluations and/or judgments be completed under the direction of an appropriately registered or certified professional. This registered or certified professional shall sign and wet stamp all such reports and work plans. Therefore, please resubmit your response letter under your registered professional stamp.

7. **Perjury Statement** – All work plans, technical reports, or technical documents submitted to this office must be accompanied by a cover letter from the responsible party that states, at minimum, the following:

"I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true to the best of my knowledge."

This letter must be signed by an officer or legally authorized representative of your organization. A review of our case files indicates that none of your reports were submitted with a perjury statement.

As previously mentioned, ACEH will be responding to investigation work plans and reports for each individual referenced site. We will also be responding to the Port recommendations to put some investigations on hold. At this time, we request that you proceed with groundwater monitoring according to the proposed County Response schedule.

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

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, D. Drogos
B. Graham, RWQCB

NinthAve7_22_04

APPENDIX B
A-N WEST, INC.
WELLHEAD SURVEY LETTER

A-N WEST INC.
Consulting Engineers

RECEIVED
NOV 4 2004
BY:----------

November 1, 2004
5511-03-rkl-5

Fugro West, Inc.
1000 Broadway, Suite 200
Oakland, CA 94607

Attention: Jeriann Alexander

Re: Wellhead Survey
Ninth Avenue Terminal
Port of Oakland

Please find enclosed the results of the recent survey of the monitoring wells together with the surveyor's certification letter and benchmark description.

We trust that these results meet your requirements.

Sources of variation between these and earlier well casing elevations could be due to a combination of reading at a different point on top of the casing, ground movement due to heavy loads on former marsh areas, and cumulative error between the surveys.

Please contact me should there be a need for additional information or clarification.

Very truly yours,
A-N West, Inc.

Richard K. Lindsay

Richard K. Lindsay
Principal Engineer

Encl:

Copy: R. S. Binsacca
A. A. Davidson

3095 Richmond Pkwy, Suite 201, Richmond, CA 94806 • Ph (510) 222-9800 • Fax (510) 222-6714 www.anwest.com

H. M. Locke
Civil Engineer
21 Arroyo Avenue
San Anselmo, CA 94960-1213
(415) 459-5735

October 27, 2003

Ms. Jeriann Alexander
Fugro West, Inc.
1000 Broadway, Suite 200
Oakland, CA 94607

SUBJECT: Level survey of Monitoring Wells at Ninth Street Terminal Facility, Port of Oakland.

I hereby certify that the subject survey was performed by me, in company with members of A-N West performing under my supervision, during the period of October 6th through October 13th, 2004, that the survey was conducted with the degree of care normally required, and that the results conform to the accuracy normally required by the profession for a survey of this nature. Rod readings were taken atop the monitoring well casings, at a spot indicated by black marker. Equipment consisted of a Zeiss Ni 2 AutoLevel and a Philadelphia Rod.

The current survey is based upon National Geodetic Survey Bench Mark U 469, a description of which is attached. The relationship between this survey and those performed previously may be most simply described by considering the difference between the Port of Oakland Datum (3.20 feet below MSL) used in the previous observations, and the NAVD 1988 Datum, (2.703 feet below MSL) used in this series. The difference, then, is 0.50 foot, as indicated on the attached Monitoring Well Elevations sheet.

It has been a pleasure working with you. If you have any questions, please do not hesitate to call.

Sincerely,

H. M. Locke

H. M. Locke, C. E.

NINTH AVENUE TERMINAL
PORT OF OAKLAND, CALIFORNIA

Monitoring Well Elevations @ Top of Casing
October, 2004

Well No.	Elev. 1	Elev. 2	Well No.	Elev. 1	Elev. 2
MW-1	**	**	SMW-15	12.96	13.46
MW-2	9.87	10.37	SMW-16	9.91	10.41
MW-3	9.65	10.15	SMW-17	**	**
MW-4	11.60	12.10	SMW-18	10.32	10.82
MW-5	11.45	11.95	SMW-19	10.05	10.55
MW-6	11.49	11.99	SMW-20	**	**
MW-7	9.68	10.18	SMW-21	9.20	9.70
SMW-1	*	*	SMW-22	11.53	12.03
SMW-2	9.39	9.89	SMW-23	*	*
SMW-3	11.32	11.82	SMW-24	9.22	9.72
SMW-4	9.54	10.04	SMW-25	**	**
SMW-5	**	**	SMW-26	10.92	11.42
SMW-6	10.09	10.59	SMW-27	10.99	11.49
SMW-7	11.76	12.26	SMW-28	12.82	13.32
SMW-8	12.35	12.85	SMW-29	12.77	13.27
SMW-9	10.84	11.34	SMW-30	11.83	12.33
SMW-10	12.07	12.57	SMW-31	11.42	11.92
SMW-11	9.01	9.51	SMW-32	12.29	12.79
SMW-12	10.45	10.95	SMW-33	10.95	11.45
SMW-13	12.07	12.57	SMW-34	10.38	10.88
SMW-14	**	**	SMW-35	9.62	10.12

Notes:

1. *The symbol * indicates that the well is buried.*
2. *The symbol ** indicates that the well has been abandoned.*
3. *This survey performed by H. M. Locke, C. E., in cooperation with A-N West, Inc. for Fugro West, Inc.*
4. *"Elev. 1" is based upon the NAVD 1988 Datum; "Elev. 2" is based upon the Port of Oakland Datum used in the 1996 and 1997 surveys.*

Revised 10/27/04 - HML

HT0648 HISTORY - 1988 GOOD NATIONAL GEODETIC SURVEY
HT0648
HT0648 STATION DESCRIPTION
HT0648
HT0648 DESCRIBED BY NATIONAL GEODETIC SURVEY 1963
HT0648 AT OAKLAND.
HT0648 AT OAKLAND, IN R4W T2S, AT THE CROSSING OF 5TH AVENUE AND THE
HT0648 SOUTHERN PACIFIC COMPANY RAILROAD, BENEATH THE SOUTH-BOUND
HT0648 LANES OF THE EASTSHORE FREEWAY OVERCROSSING, SET VERTICALLY IN
HT0648 THE NORTH FACE OF THE NEXT TO THE SOUTH ONE OF A ROW OF CONCRETE
HT0648 PILLARS ALONG THE WEST EDGE OF THE AVENUE, 39 FEET WEST OF THE
HT0648 CENTERLINE OF THE AVENUE, AND 4.4 FEET ABOVE THE GROUND.
HT0648
HT0648 STATION RECOVERY (1969)
HT0648
HT0648 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1969
HT0648 RECOVERED IN GOOD CONDITION.
HT0648
HT0648 STATION RECOVERY (1987)
HT0648
HT0648 RECOVERY NOTE BY US POWER SQUADRON 1987 (RAS)
HT0648 RECOVERED IN GOOD CONDITION.
HT0648
HT0648 STATION RECOVERY (1988)
HT0648
HT0648 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1988
HT0648 RECOVERED IN GOOD CONDITION.

National Geodetic Survey, Retrieval Date = JULY 14, 1995

HT0651 **********
HT0651 DESIGNATION - V 1197
HT0651 PID - HT0651
HT0651 STATE/COUNTY- CA/ALAMEDA
HT0651 USGS QUAD - OAKLAND WEST (1981)
HT0651
HT0651 HORZ DATUM - NAD 83
HT0651 VERT DATUM - NAVD 88
HT0651
HT0651 POSITION - 37 47 32. (N) 122 16 10. (W) SCALED
HT0651 83 minus 27 - -00. +04. NADCON
HT0651
HT0651 HEIGHT - 3.398 (meters) 11.15 (feet) ADJUSTED
HT0651 88 minus 29 - +0.819 ADJ UNCH
HT0651 DY minus 88 - -0.002 COMPUTED
HT0651 (NOTE - For assistance in applying shifts see file readme.dat)
HT0651 **********
HT0651 GEOID HEIGHT- -31.64 GEOID93
HT0651 MODELED GRAV- 979,972.9 NAVD88
HT0651
HT0651 VERT ORDER - FIRST CLASS 1
HT0651
HT0651 The horizontal coordinates were scaled from a topographic map and have
HT0651 an estimated accuracy of +/- 6 seconds.
HT0651
HT0651 The orthometric height was determined by differential leveling
HT0651 and adjusted by the National Geodetic Survey in June 1991.
HT0651
HT0651 The dynamic height is computed by dividing the NAVD 88
HT0651 geopotential number by the normal gravity value computed on the
HT0651 Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
HT0651 degrees latitude (G = 980.6199 gals.).

APPENDIX C
WELL SAMPLING FORMS

Fugro West, Inc.

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking (KOT)
JOB NO.: 133.073
SAMPLED BY: M Pleva / J Ceja
DATE: 9.30.02
WEATHER: cloudy, 60's

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

TOTAL DEPTH OF CASING (BTOC): 15.04 FEET
DEPTH TO GROUNDWATER (BTOC): 4.95 FEET
FEET OF WATER IN WELL: 10.09 FEET

CALCULATED PURGE VOLUME: 4.94 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:

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
0	1645	6.57	20.21	26,805	19.18	-159.5	1.12	gray / turbid
2.5	1655	6.73	22.45	16,878	11.53	-127.5	2.97	"
3.5	1700	6.80	20.81	23,503	16.64	-155.3	~~155.5~~	purged dry @ 3.5 gal

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: ~~6.96'~~ 11.63' @ 0825

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 8.78' (1535) 10/04/04

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE
/ 40 ML
/ LITER
/ OTHER
/ OTHER

ANALYSES: TEHd, mo w/ silica gel

MISC FIELD OBSERVATIONS:

FUGRO

Fugro West, Inc.

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking (KOT)
JOB NO.: 133.023
SAMPLED BY: M Pleva / J Ceja
DATE: 9.30.04
WEATHER: Cloudy, 60's

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

TOTAL DEPTH OF CASING (BTOC): 19.75' FEET
DEPTH TO GROUNDWATER (BTOC): 11.31 FEET
FEET OF WATER IN WELL: 8.44 FEET

CALCULATED PURGE VOLUME: 4.13 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:

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
0	1710	6.57	18.90	30,223	22.23	-300.7	0.07	HC odor
2.0	1717	6.84	18.87	25,834	19.02	-304.2	3.30	"
2.5	1725	6.85	18.81	25,974	19.15	-308.8	2.91	purged dry @ 2.5 gal

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: ~~12.99'~~ 15.0' @ 0835

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 4.52' @ 0750 11/03/04

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE
3 / 40 ML
/ LITER
/ OTHER
/ OTHER

ANALYSES: TEHd,mo w/ silica gel

MISC FIELD OBSERVATIONS:

Fugro West, Inc.

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking (KOT)
JOB NO.:
SAMPLED BY: M Pleva / J Ceja
DATE:
WEATHER:

WELL NO.: MW-4
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

FREE PRODUCT: (Yes or No)

PURGE METHOD: Disposable Bailer

8 inches

MEASUREMENT METHOD: TAPE & PASTE | ELECTRONIC SOUNDER | OTHER

EQUIPMENT USED:

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

/ 40 ML	/ LITER
/ OTHER	/ OTHER

ANALYSES: purged dry @ 2.5 gal product & H_2O

MISC FIELD OBSERVATIONS:

Fugro West, Inc.

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking (KOT)
JOB NO.: 133.023
SAMPLED BY: M Pleva / J Ceja
DATE: 9.30.04
WEATHER: Cloudy, 60's

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

TOTAL DEPTH OF CASING (BTOC): 19.75 FEET
DEPTH TO GROUNDWATER (BTOC): 5.60 FEET
FEET OF WATER IN WELL: 14.15 FEET

CALCULATED PURGE VOLUME: 6.92 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:

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
0	1610	6.20	20.44	8,354	5.931	94.1	1.00	[illegible]
2.0	1620	6.29	20.31	7,426	5.306	11.8	2.06	Clear
7.0	1635	6.43	19.03	18,782	13.93	-19.7	13.88	"

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: [illegible] 8.43' 8.72' @ 0830

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC):

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE
/ 40 ML
/ LITER
/ OTHER
/ OTHER

ANALYSES: TEHd,mo w/ silica gel

MISC FIELD OBSERVATIONS:

Fugro West, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking (KOT)
JOB NO.:
SAMPLED BY: M Pleva / J Ceja
DATE:
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

FREE PRODUCT: (Yes) or No

PURGE METHOD: Disposable Bailer

18" inches

MEASUREMENT METHOD: TAPE & PASTE | ELECTRONIC SOUNDER | OTHER

EQUIPMENT USED:

FIELD PARAMETERS

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 / BTEX MTBE TVHg — 40 ML

1 / TEHd,mo w/silicagel — LITER

_____ / OTHER

_____ / OTHER

ANALYSES: purged 8 gals product + H_2O

MISC FIELD OBSERVATIONS: _____

Fugro West, Inc.

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking (KOT)
JOB NO.: 133.023
SAMPLED BY: M Pleva / J Ceja
DATE: 10/04/04
WEATHER: Cloudy, 60s

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

TOTAL DEPTH OF CASING (BTOC): 15.82 FEET
DEPTH TO GROUNDWATER (BTOC): 6.02 FEET
FEET OF WATER IN WELL: 9.8 FEET

CALCULATED PURGE VOLUME: 4.79 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:

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
0	1115	6.54	20.80	27,043	19.11	-78.4	0.75	
2.5	1120	6.78	21.68	24,660	17.13	-120.8	2.91	brown
5.0	1130	6.97	21.24	25,567	17.90	-151.6	5.07	

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 7.98'
ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 3.85' (1550)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE
/ 40 ML
/ LITER
/ OTHER
/ OTHER

ANALYSES:

MISC FIELD OBSERVATIONS:

Fugro West, Inc.

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking (KOT)
JOB NO.: 133.023
SAMPLED BY: M Pleva / J Ceja
DATE: 10.01.04
WEATHER: Sun cloudy, 60°s

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

TOTAL DEPTH OF CASING (BTOC): 17.93' FEET
DEPTH TO GROUNDWATER (BTOC): 5.5' FEET
FEET OF WATER IN WELL: 12.43 FEET

CALCULATED PURGE VOLUME: 6.08 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

FREE PRODUCT: Yes or No / 1 inches
PURGE METHOD: Disposable Bailer

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

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): 5.58' (1230)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE
/ 40 ML
/ LITER
/ OTHER
/ OTHER

ANALYSES: pH TEH d,mo w/silica gel

MISC FIELD OBSERVATIONS: purged 8 gallons from SCIMW-3 & 6 gallons from the oil filled manhole

Fugro West, Inc.

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking (KOT)
JOB NO.: 133.023
SAMPLED BY: M Pleva / J Ceja
DATE: 10/04/04
WEATHER: Cloudy, 60°F

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

TOTAL DEPTH OF CASING (BTOC): 20.45 FEET
DEPTH TO GROUNDWATER (BTOC): 4.91 FEET
FEET OF WATER IN WELL: 15.54' FEET
FREE PRODUCT: Yes or No inches

CALCULATED PURGE VOLUME: 7.6 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)
PURGE METHOD: Disposable Bailer

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

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
0	1510	6.04	20.28	28,281	20.36	-228.1	2.17	
3.5	1605	6.38	21.14	25,032	17.56	-204.1	3.62	yellow w/ black sediment
6.5	1615	6.41	19.52	28,875	20.97	-201.18	3.84	purged dry @ 6.5 gal

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 8.02'
ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 9.13' (0845)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE: 6 / (unpreserved) 40 ML; 2 / LITER; / OTHER; / OTHER

ANALYSES: pesticides, VOCs, TEHd,mo w/silica gel, TVHg, BTEX

MISC FIELD OBSERVATIONS:

Fugro West, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking (KOT)
JOB NO.:
SAMPLED BY: M Pleva / J Ceja
DATE: 10/6/04
WEATHER:

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

TOTAL DEPTH OF CASING (BTOC): 18.15' FEET
DEPTH TO GROUNDWATER (BTOC): 5.56' FEET
FEET OF WATER IN WELL: 12.59' FEET
FREE PRODUCT: Yes or No ____ inches

CALCULATED PURGE VOLUME: 6.16 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)
PURGE METHOD: Disposable Bailer

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

PURGE MEASUREMENTS

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
0	1415	6.18	20.36	17,154	11.75	-46.3	1.68	
3	1422	6.59	24.53	9,359	6.14	-106.5	4.28	
6.5	1435	6.62	22.88	14,319	9.706	-114.	2.49	

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 8.07'
ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 5.62' (0805)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE
____/____ 40 ML
1/____ LITER
____/____ OTHER
____/____ OTHER

ANALYSES: TEH d, mo w/ silica gel

MISC FIELD OBSERVATIONS:

Fugro West, Inc.

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking (KOT)
JOB NO.: 133,023
SAMPLED BY: M Pleva / J Ceja
DATE: 10-01-04
WEATHER: Cloudy, 60°s

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

TOTAL DEPTH OF CASING (BTOC): 18.45' FEET
DEPTH TO GROUNDWATER (BTOC): 5.20' FEET
FEET OF WATER IN WELL: 13.25' FEET

CALCULATED PURGE VOLUME: 6.49 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:

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
0	0930	6.26	23.61	18,898	12.80	-187.7	0.79	
3	0950	6.60	24.54	14,598	9.573	-191.8	2.01	HC odor & sheen
6.5	1035	6.69	22.33	21,637	14.82	-214.3	1.30	"

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 7.95'

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 4.94' (1205)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE
___/___ 40 ML
___/___ LITER
___/___ OTHER
___/___ OTHER

ANALYSES: TEHdimo w/silica gel

MISC FIELD OBSERVATIONS:

Fugro West, Inc.

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking (KOT)
JOB NO.:
SAMPLED BY: M Pleva / J Ceja
DATE:
WEATHER:

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

TOTAL DEPTH OF CASING (BTOC): 15.84' FEET
DEPTH TO GROUNDWATER (BTOC): 3.13' FEET
FEET OF WATER IN WELL: 12.71' FEET

CALCULATED PURGE VOLUME: 6.22 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:

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
0	1455	6.70	23.40	22,302	14.95	16.7	6.0	
3	1600	6.96	23.54	22,939	15.34	9.4	6.96	
6.5	1530	7.01	23.08	23,478	15.84	-6.2	7.01	

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 5.68'

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 3.68'

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE

3 / 40 ML	/ LITER
/ OTHER	/ OTHER

ANALYSES: BTEX, TVHg, TEH mod w/ Silicagel

MISC FIELD OBSERVATIONS:

Fugro West, Inc.

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking (KOT)
JOB NO.: 133-023
SAMPLED BY: M Pleva / J Ceja
DATE: 10.01.04
WEATHER: Cloudy, 60s

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

TOTAL DEPTH OF CASING (BTOC): 18.75' FEET
DEPTH TO GROUNDWATER (BTOC): 5.68' FEET
FEET OF WATER IN WELL: 13.07 FEET

CALCULATED PURGE VOLUME: 639 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:

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
0	1045	6.60	20.12	31,993	22.05	-281.6	1.98	
3	1052	6.78	24.64	16,246	10.63	-334.8	1.59	HC odor / black
6.5	1103	6.81	23.44	17,373	11.64	-331.4	2.20	"

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 8.3'

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 5.75' (1220)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE

3 / 40 ML	/ LITER
/ OTHER	/ OTHER

ANALYSES: Tetra,mo w/ silica gel

MISC FIELD OBSERVATIONS:

Fugro West, Inc.

GROUNDWATER SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking (KOT)
JOB NO.:
SAMPLED BY: M Pleva / J Ceja
DATE:
WEATHER:

WELL NO.: [illegible]-15
CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 15.90' FEET
DEPTH TO GROUNDWATER (BTOC): 8.46 FEET
FEET OF WATER IN WELL: 7.44' FEET

CALCULATED PURGE VOLUME: 3.64 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	1555	6.49	20.81	13,056	4.232	-108.9	0.62	
2	1600	6.87	23.14	6,912	3.982	-111.4	2.65	
4	1605	6.87	23.34	5,537	3.717	-107.8	2.60	

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 9.95'

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 8.62 (1607

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE

40 ML	LITER
OTHER	OTHER

ANALYSES:

MISC FIELD OBSERVATIONS:

Fugro West, Inc.

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking (KOT)
JOB NO.: 133.023
SAMPLED BY: M Pleva / J Ceja
DATE: 10/04/04
WEATHER: Cloudy, 60°s

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

TOTAL DEPTH OF CASING (BTOC): 14.35 FEET
DEPTH TO GROUNDWATER (BTOC): 4.51' FEET
FEET OF WATER IN WELL: 9.84 FEET

CALCULATED PURGE VOLUME: 4.8 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:

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
0	1310	6.59	24.41	29,582	19.48	-253.4	1.13	
2.5	1315	6.81	26.01	27,985	17.84	-268.3	1.92	yellow to olive brown
5.0	1323	6.80	25.34	28,778	18.53	-261.7	1.11	" "

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 6.48'

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 5.58' (1355)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE: 3 / (none) — 40 ML; / — LITER; / — OTHER; / — OTHER

ANALYSES: VOCs

MISC FIELD OBSERVATIONS:

Fugro West, Inc.

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking (KOT)
JOB NO.:
SAMPLED BY: M Pleva / J Ceja
DATE:
WEATHER:

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

TOTAL DEPTH OF CASING (BTOC): 16.85 FEET
DEPTH TO GROUNDWATER (BTOC): 4.68' FEET
FEET OF WATER IN WELL: 12.17 FEET

CALCULATED PURGE VOLUME: 5.95 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:

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
0	1222	6.15	22.87	5,913	4.011	-116.6	1.17	
3	1232	6.60	24.73	4,278	2.794	-121.0	3.94	HCodor, sheen
6	1245	6.63	24.55	4,665	3.058	-106.4	2.71	"

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 7.11'

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 4.71

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE: 3 / (No HCl) (40 ML) ; 1 / (LITER) ; / (OTHER) ; / (OTHER)

ANALYSES: BTEX, TVHg, TEHdmo w/ Silica gel

MISC FIELD OBSERVATIONS:

FUGRO

Fugro West, Inc.

WELL SAMPLING LOG

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking (KOT)
JOB NO.:
SAMPLED BY: M Pleva / J Ceja
DATE:
WEATHER:

WELL NO.: SC/MW-26
CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 18.01 FEET
DEPTH TO GROUNDWATER (BTOC): 3.84' FEET
FEET OF WATER IN WELL: 14.16 FEET

CALCULATED PURGE VOLUME: 6.93 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	1300	5.98	21.52	15,463	10.88	-40.3	1.47	HC odor, sheen
3.5	1310	6.55	23.63	14,598	9.863	-110.2	3.35	"
7.0	1322	6.66	22.93	14,591	9.893	-92.2	3.21	

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 6.67'

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 4.11' (1630)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE
- 3 / 40 ML
- 1 / LITER
- / OTHER
- / OTHER

ANALYSES: TBHA, MO w/ silica gel

MISC FIELD OBSERVATIONS:

FUGRO

Fugro West, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking (KOT)
JOB NO.: 133.023
SAMPLED BY: M Pleva / J Ceja
DATE: 10/04/04
WEATHER: Cloudy, 60's

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

TOTAL DEPTH OF CASING (BTOC): 19.91' FEET

DEPTH TO GROUNDWATER (BTOC): 5.62' FEET

FEET OF WATER IN WELL: 14.29' FEET

FREE PRODUCT: Yes or (No)

CALCULATED PURGE VOLUME: 6.99 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)
(4) (.0408) (3)

PURGE METHOD: Disposable Bailer
inches

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

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
0	0950	6.05	19.77	1042	0.758	-35.4	0.93	
3.5	1000	6.50	19.26	2870	2.070	-64.8	2.81	clear w/ black chunks
7.0	1008	6.53	18.19	11,705	8.902	-16.8	3.17	"

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 8.48'

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 12.93' (1030)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE 3 / (unpres) 40 ML   1 / LITER

/ OTHER   1 poly / OTHER

ANALYSES: Metals (lab to filter), VOCs, TEHd/mo w/ silica gel

MISC FIELD OBSERVATIONS:

Fugro West, Inc.

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking (KOT)
JOB NO.: 133.023
SAMPLED BY: M Pleva / J Ceja
DATE: 10/04/04
WEATHER: Cloudy, 60°S

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

TOTAL DEPTH OF CASING (BTOC): 49.40' FEET
DEPTH TO GROUNDWATER (BTOC): 6.59 FEET
FEET OF WATER IN WELL: 42.81 FEET

CALCULATED PURGE VOLUME: 20.95 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	1047	7.22	24.59	172	0.113	+44.8	0.82	
5	12:06	7.43	21.35	279	0.195	-121.3	3.11	
10	12:21	6.45	20.26	15146	10.83	-40.1	3.26	
15	12:35	6.52	20.05	18836	13.52	-24.4	4.49	
21	12:50	6.56	20.05	18904	13.57	-17.4	4.44	

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 15.15'

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 7.1' (1315)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE: 3/(none) 40 ML ____/ LITER ____/ OTHER ____/ OTHER

ANALYSES: VOCs

MISC FIELD OBSERVATIONS:

Fugro West, Inc.

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking (KOT)
JOB NO.: 133.023
SAMPLED BY: M Pleva / J Ceja
DATE: 10/04/04
WEATHER: Cloudy 60°s

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

TOTAL DEPTH OF CASING (BTOC): 20.00 FEET
DEPTH TO GROUNDWATER (BTOC): 5.19' FEET
FEET OF WATER IN WELL: 14.81' FEET

CALCULATED PURGE VOLUME: 7.25 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

FREE PRODUCT: Yes or No
PURGE METHOD: Disposable Bailer
inches

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

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
0	1430	6.48	23.44	17,265	11.68	-229.7	1.04	
3.5	1437	6.74	24.84	8,252	5.404	-219.3	2.26	yellow
7.5	1451	6.71	22.94	18040	12.24	-241.2	2.79	yellow

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 8.15'

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 5.18' (0825)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE: 3 / (No pres.) 40 ML ____ / ____ LITER
____ / ____ OTHER ____ / ____ OTHER

ANALYSES: VOCs

MISC FIELD OBSERVATIONS:

FUGRO

Fugro West, Inc.

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking (KOT)
JOB NO.: 133.023
SAMPLED BY: M Pleva / J Ceja
DATE: 10-01-04
WEATHER: Cloudy, 60's

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

TOTAL DEPTH OF CASING (BTOC): 16.14' FEET
DEPTH TO GROUNDWATER (BTOC): 4.15' FEET
FEET OF WATER IN WELL: 11.99' FEET

CALCULATED PURGE VOLUME: 5.87 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:

GALLONS REMOVED	TIME	pH	TEMP (C)	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
0	1330	6.50	21.55	11458	7.511	-114.2	0.98	
3	1345	6.73	24.94	11,535	7.506	-122.7	3.67	
6	1355	6.70	23.40					

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 6.5'

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 4.51' (0745)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE: 3 / unpres. (40 ML) ; 2 / (LITER) ; / (OTHER) ; / (OTHER)

ANALYSES: pest, TEHd,mo, VOCs

MISC FIELD OBSERVATIONS:

Fugro West, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking (KOT)
JOB NO.: 133-023
SAMPLED BY: M Pleva / J Ceja
DATE: 10.04.04
WEATHER: cloudy, 60s

WELL NO.: SCMW-34
CASING DIAMETER: 2"
WELL MATERIAL:
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 14.94' FEET

DEPTH TO GROUNDWATER (BTOC): 6.29' FEET

FEET OF WATER IN WELL: 8.65' FEET

CALCULATED PURGE VOLUME: 4.23 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

FREE PRODUCT: Yes or No (No circled)

PURGE METHOD: Disposable Bailer
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	0809	6.29	19.19	22,259	16.32	211.1	1.36	
2	0815	6.84	20.27	19,087	13.64	120.5	3.73	
4.5	0845	6.86	19.15	19,992	14.56	164.3	5.01	sheen

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 8.02'

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): ~~[illegible]~~ 6.62' (0915)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE: 6 / (HCl) 3 ([illegible]) — 40 ML; 1 / 1 — LITER
/ — OTHER; / — OTHER

ANALYSES: ~~BTEX, TVHg, TPHd, mo w/ silica gel~~
TVHg ; TEHd, mo. w/ silica gel

MISC FIELD OBSERVATIONS:

FUGRO

Fugro West, Inc.

WELL SAMPLING FORM

PROJECT NAME: 9th Avenue Terminal / Keep on Trucking (KOT)
JOB NO.: 133.023
SAMPLED BY: M Pleva / J Ceja
DATE: 10/04/04
WEATHER: Cloudy, 60's

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

TOTAL DEPTH OF CASING (BTOC): 11.2 FEET
DEPTH TO GROUNDWATER (BTOC): 5.52 FEET
FEET OF WATER IN WELL: 5.68 FEET

CALCULATED PURGE VOLUME: 2.78 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	0856	6.41	20.62	20,025	14.64	176.0	1.22	
1.5	0905	6.69	21.70	19,102	13.81	126.9	4.79	
3.0	0910	6.72	21.49	19,182	14.50	123.1	4.48	

DEPTH TO GROUNDWATER WHEN 80% RECOVERED: 6.65'
ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 5.70' (0940)

SAMPLING METHOD: Disposable Bailer

CONTAINERS / PRESERVATIVE: 3 / (unpres) 40 ML · 1 / LITER · / OTHER · / OTHER

ANALYSES: TVHg, BTEX, TEHd, mo w/ silica gel

MISC FIELD OBSERVATIONS:

APPENDIX D
ANALYTICAL TEST REPORTS
CHROMATOGRAPHS AND
CHAIN-OF-CUSTODY RECORDS

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900, Fax (510) 486-0532

ANALYTICAL REPORT

Prepared for:

Fugro West, Inc.
1000 Broadway
Suite 200
Oakland, CA 94607

Date: 26-OCT-04
Lab Job Number: 175044
Project ID: 133.023
Location: 9th Ave.Terminal-POO

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.

CASE NARRATIVE

Laboratory number:	175044
Client:	Fugro West, Inc.
Project:	133.023
Location:	9th Ave.Terminal-POO
Request Date:	10/01/04
Samples Received:	10/01/04

This hardcopy data package contains sample and QC results for three water samples and two fuels samples, requested for the above referenced project on 10/01/04. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B) Water:
No analytical problems were encountered.

TPH-Purgeables and/or BTXE by GC (EPA 8021B) Fuels:
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Water:
No analytical problems were encountered.

TPH-Extractables by GC Fuels:
No analytical problems were encountered.

CHAIN OF CUSTODY

175044

PROJECT NAME: 9th Avenue Terminal - Port of Oakland (KOT)

POJECT NO.: 133.023 LAB: C&T

PROJECT CONTACT: Melissa L. Pleva TURNAROUND: Standard

SAMPLED BY: Melissa L. Pleva REQUESTED BY: Melissa L. Pleva

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX				CONTAINERS						PRESERVATIVE						SAMPLING DATE				NOTES	ANALYSIS REQUESTED										
		WATER	SOIL	AIR		VOA	LITER	PINT	TUBE			HCL	H_2SO_4	HNO_3	ICE	OTHER	NONE	MONTH	DAY	YEAR	TIME		TEHd, mo w/Silicagel	BTEX, MTBE	TVHg, BTEX								
-1	MW-5	X					1								X			10	01	04	0830		X										
-2	MW-6 FP	X				2									X			10	01	04	1150			XX									
-3	MW-4 FP	X				2									X			10	01	04	1200			XX									
-4	SCMW-11	X				3	1								X			10	01	04	1540		X		X								
-5	SCMW-15	X					1								X			10	01	04	1607		X										
-6	Trip Blank					3																	HOLD										

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Melissa L. Pleva	10/01/04 1653	[illegible]	10/1/04 1653
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

COMMENTS & NOTES:

recvd cold & intact 10/1/04

FUGRO WEST, INC.
1000 Broadway, Suite 200
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0137

g:\server migration\data\template\chain of custody Excel

Anna Pajarillo

From: "Pleva, Melissa" <MPleva@Fugro.com>
To: <anna@ctberk.com>
Cc: "Alexander, Jeriann" <JAlexander@Fugro.com>
Sent: Tuesday, October 12, 2004 1:26 PM
Subject: 9th Ave. Terminal, CT#175044

Anna,

We would like to have a fingerprint analysis run on the two free product samples (MW-4 FP and MW-6 FP).

Thanks,
Melissa

-----Original Message-----
From: anna@ctberk.com [mailto:anna@ctberk.com]
Sent: Tuesday, October 12, 2004 2:32 AM
To: Pleva, Melissa
Subject: Chromatograms for 9th Ave. Terminal, CT#175044

Please open the attached document. It was scanned and sent to you using a Xerox Document Centre.

Sent by: Guest [anna@ctberk.com]
Number of Images: 9
Attachment File Type: PDF

Please send replies to your project manager.
This email address is not frequently monitored.

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175044	Location:	9th Ave.Terminal-POO
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023		
Field ID:	SCIMW-11	Batch#:	95371
Matrix:	Water	Sampled:	10/01/04
Units:	ug/L	Received:	10/01/04
Diln Fac:	1.000	Analyzed:	10/12/04

Type: SAMPLE Lab ID: 175044-004

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	77	70-141	EPA 8015B
Bromofluorobenzene (FID)	82	80-143	EPA 8015B
Trifluorotoluene (PID)	79	59-133	EPA 8021B
Bromofluorobenzene (PID)	86	76-128	EPA 8021B

Type: BLANK Lab ID: QC267700

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	80	70-141	EPA 8015B
Bromofluorobenzene (FID)	81	80-143	EPA 8015B
Trifluorotoluene (PID)	83	59-133	EPA 8021B
Bromofluorobenzene (PID)	84	76-128	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175044	Location:	9th Ave.Terminal-POO
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC267702	Batch#:	95371
Matrix:	Water	Analyzed:	10/12/04
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,705	85	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	113	70-141
Bromofluorobenzene (FID)	93	80-143

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175044	Location:	9th Ave.Terminal-POO
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC267701	Batch#:	95371
Matrix:	Water	Analyzed:	10/12/04
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Benzene	20.00	20.13	101	80-120
Toluene	20.00	20.28	101	80-120
Ethylbenzene	20.00	20.34	102	80-120
m,p-Xylenes	20.00	18.86	94	80-120
o-Xylene	20.00	20.91	105	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	85	59-133
Bromofluorobenzene (PID)	88	76-128

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175044	Location:	9th Ave.Terminal-POO
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	95371
MSS Lab ID:	175213-001	Sampled:	10/12/04
Matrix:	Water	Received:	10/12/04
Units:	ug/L	Analyzed:	10/12/04
Diln Fac:	1.000		

Type: MS Lab ID: QC267838

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	85.61	2,000	1,721	82	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	112	70-141
Bromofluorobenzene (FID)	96	80-143

Type: MSD Lab ID: QC267839

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,751	83	80-120	2	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	110	70-141
Bromofluorobenzene (FID)	93	80-143

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175044	Location:	9th Ave.Terminal-POO
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8021B
Units:	ug/Kg	Sampled:	10/01/04
Basis:	as received	Received:	10/01/04
Batch#:	95163	Analyzed:	10/05/04

Field ID:	MW-6FP	Matrix:	Fuels
Type:	SAMPLE	Diln Fac:	250.0
Lab ID:	175044-002		

Analyte	Result	RL
MTBE	ND	5,000
Benzene	ND	1,300
Toluene	ND	1,300
Ethylbenzene	ND	1,300
m,p-Xylenes	ND	1,300
o-Xylene	ND	1,300

Surrogate	%REC	Limits
Trifluorotoluene (PID)	77	61-124
Bromofluorobenzene (PID)	120	74-127

Field ID:	MW-4FP	Matrix:	Fuels
Type:	SAMPLE	Diln Fac:	100.0
Lab ID:	175044-003		

Analyte	Result	RL
MTBE	ND	2,000
Benzene	ND	500
Toluene	ND	500
Ethylbenzene	ND	500
m,p-Xylenes	960	500
o-Xylene	4,700	500

Surrogate	%REC	Limits
Trifluorotoluene (PID)	79	61-124
Bromofluorobenzene (PID)	108	74-127

Type:	BLANK	Matrix:	Soil
Lab ID:	QC266864	Diln Fac:	1.000

Analyte	Result	RL
MTBE	ND	20
Benzene	ND	5.0
Toluene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Trifluorotoluene (PID)	83	61-124
Bromofluorobenzene (PID)	100	74-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175044	Location:	9th Ave.Terminal-POO
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8021B
Type:	BS	Basis:	as received
Lab ID:	QC266865	Diln Fac:	1.000
Matrix:	Soil	Batch#:	95163
Units:	ug/Kg	Analyzed:	10/05/04

Analyte	Spiked	Result	%REC	Limits
MTBE	100.0	95.91	96	64-140
Benzene	100.0	114.3	114	80-120
Toluene	100.0	103.8	104	80-120
Ethylbenzene	100.0	98.39	98	80-120
m,p-Xylenes	100.0	97.41	97	80-120
o-Xylene	100.0	97.10	97	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	84	61-124
Bromofluorobenzene (PID)	102	74-127

3.0

Curtis & Tompkins, Ltd.

atch QC Report

Curtis & Tompkins Laboratories Analytical Report

ab #:	175044	Location:	9th Ave.Terminal-POO
Client:	Fugro West Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8021B
ype:	BSD	Basis:	as received
ab ID:	QC266916	Diln Fac:	1.000
Matrix:	Soil	Batch#:	95163
nits:	ug/Kg	Analyzed:	10/05/04

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	100.0	87.35	87	64-140	9	20
Benzene	100.0	100.7	101	80-120	13	20
Toluene	100.0	95.20	95	80-120	9	20
Ethylbenzene	100.0	91.61	92	80-120	7	20
m,p-Xylenes	100.0	90.95	91	80-120	7	20
o-Xylene	100.0	92.65	93	80-120	5	20

Surrogate	%REC	Limits
Trifluorotoluene (PID)	76	61-124
Bromofluorobenzene (PID)	96	74-127

RPD= Relative Percent Difference

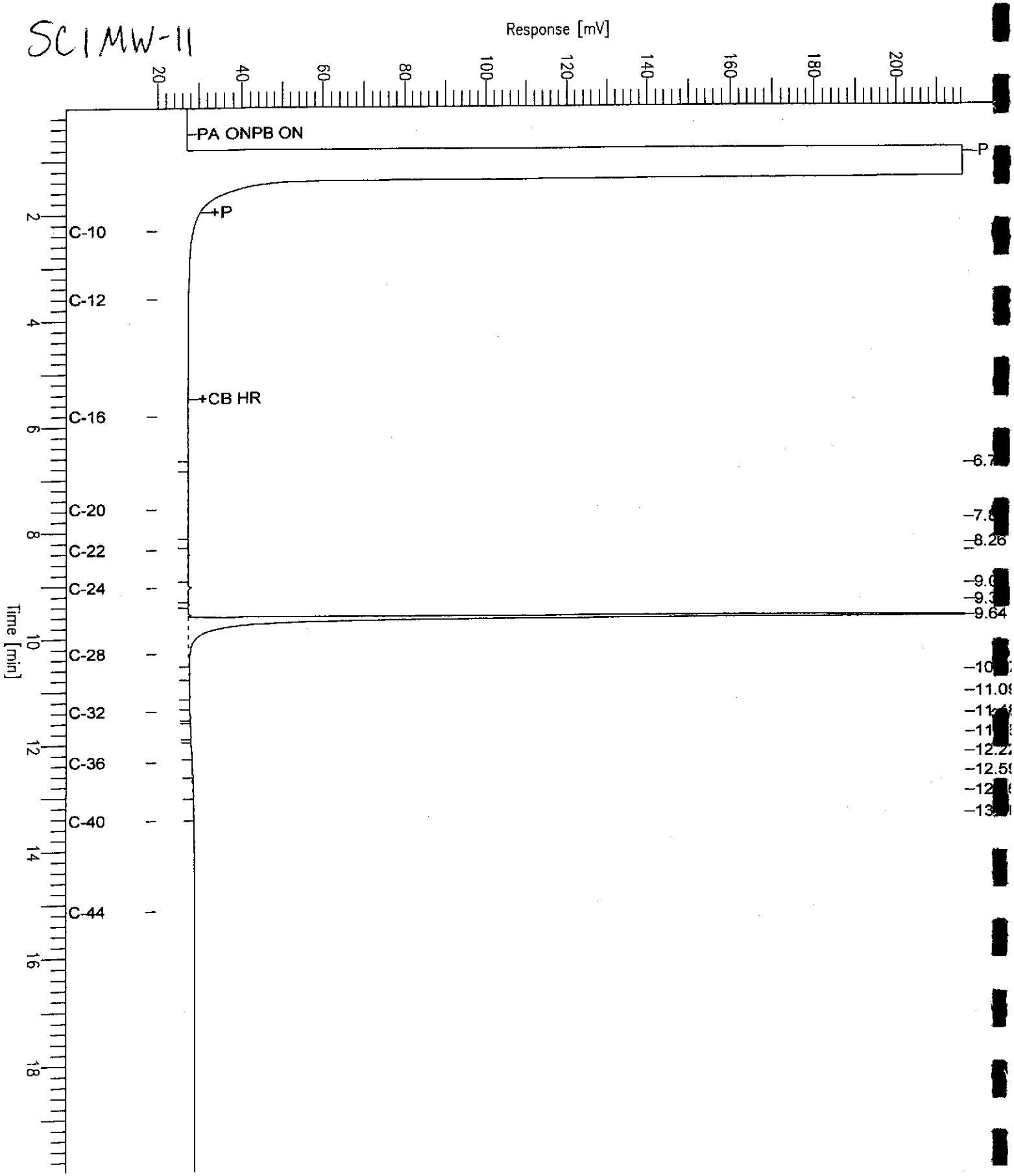
4.0

Chromatogram

Sample Name : 175044-004sg,95191
FileName : G:\GC13\CHB\280B025.RAW
Method : BTEH268S.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 20 mV

Sample #: 95191
Date : 10/7/04 09:20 AM
Time of Injection: 10/7/04 12:29 AM
Low Point : 19.77 mV High Point : 216.18 mV
Plot Scale: 196.4 mV

SC1MW-11

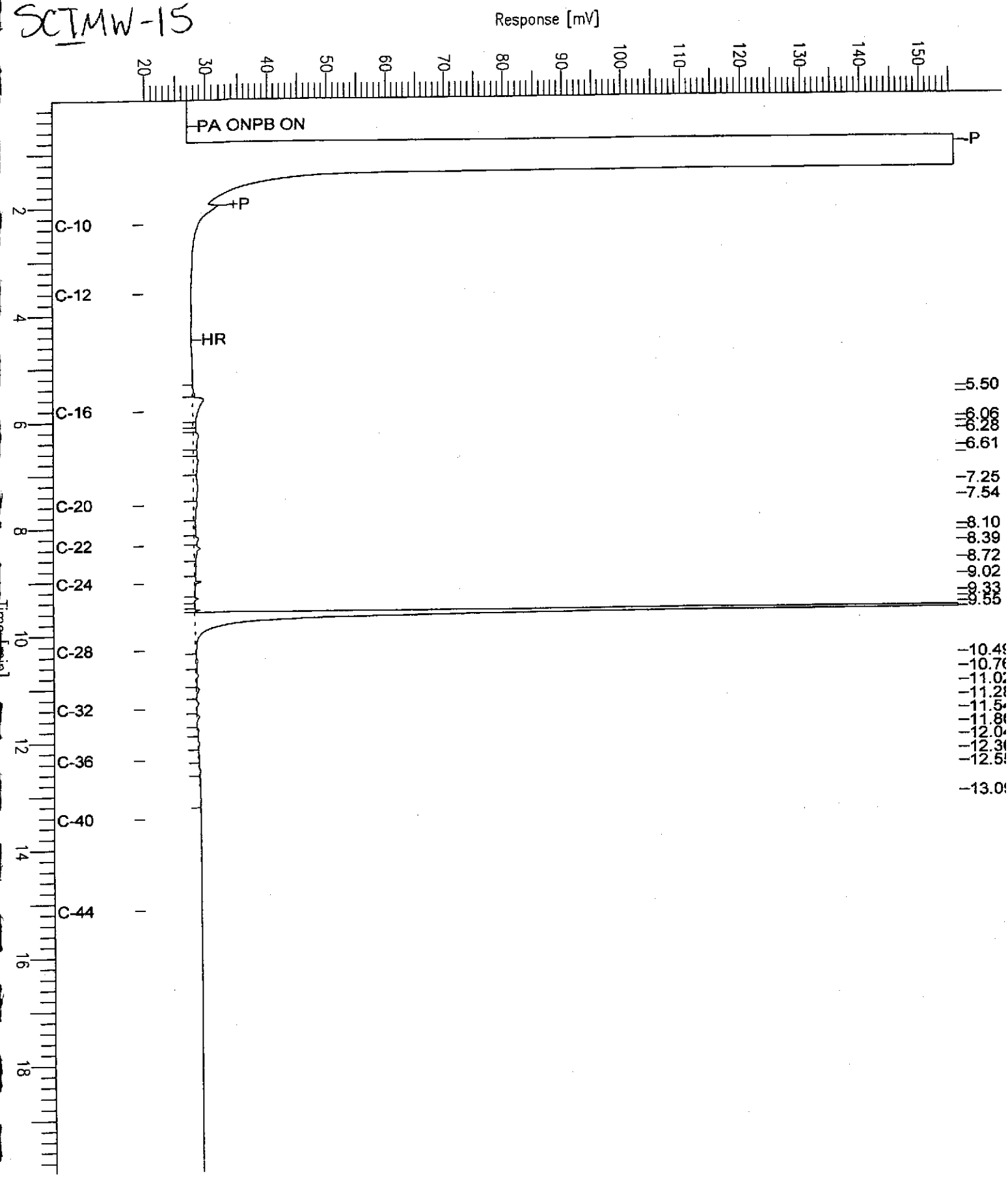


Chromatogram

Sample Name : 175044-005sg,95191
FileName : G:\GC13\CHB\280B026.RAW
Method : BTEH268S.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 20 mV

Sample #: 95191
Date : 10/7/04 09:21 AM
Time of Injection: 10/7/04 12:58 AM
Low Point : 19.76 mV High Point : 155.76 mV
Plot Scale: 136.0 mV

SCTMW-15



Chromatogram

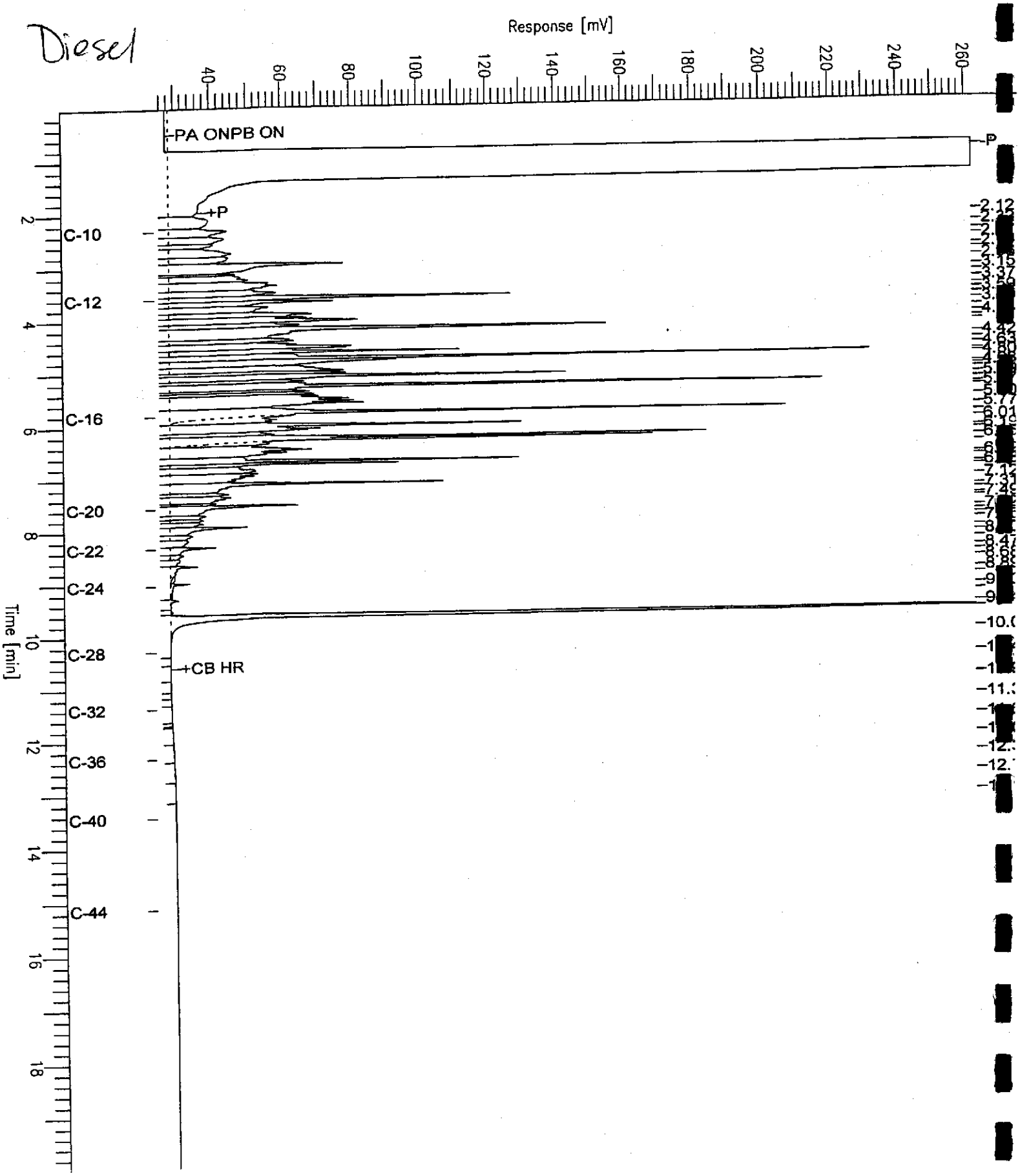
Sample Name : ccv,04ws1621,dsl
FileName : G:\GC13\CHB\280B003.RAW
Method : BTEH268S.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 19.99 min
Plot Offset: 24 mV

Sample #: 500mg/L
Date : 10/6/04 11:27 AM
Time of Injection: 10/6/04 11:04 AM
Low Point : 24.22 mV
Plot Scale: 237.7 mV

High Point : 261.92 mV

Diesel



Chromatogram

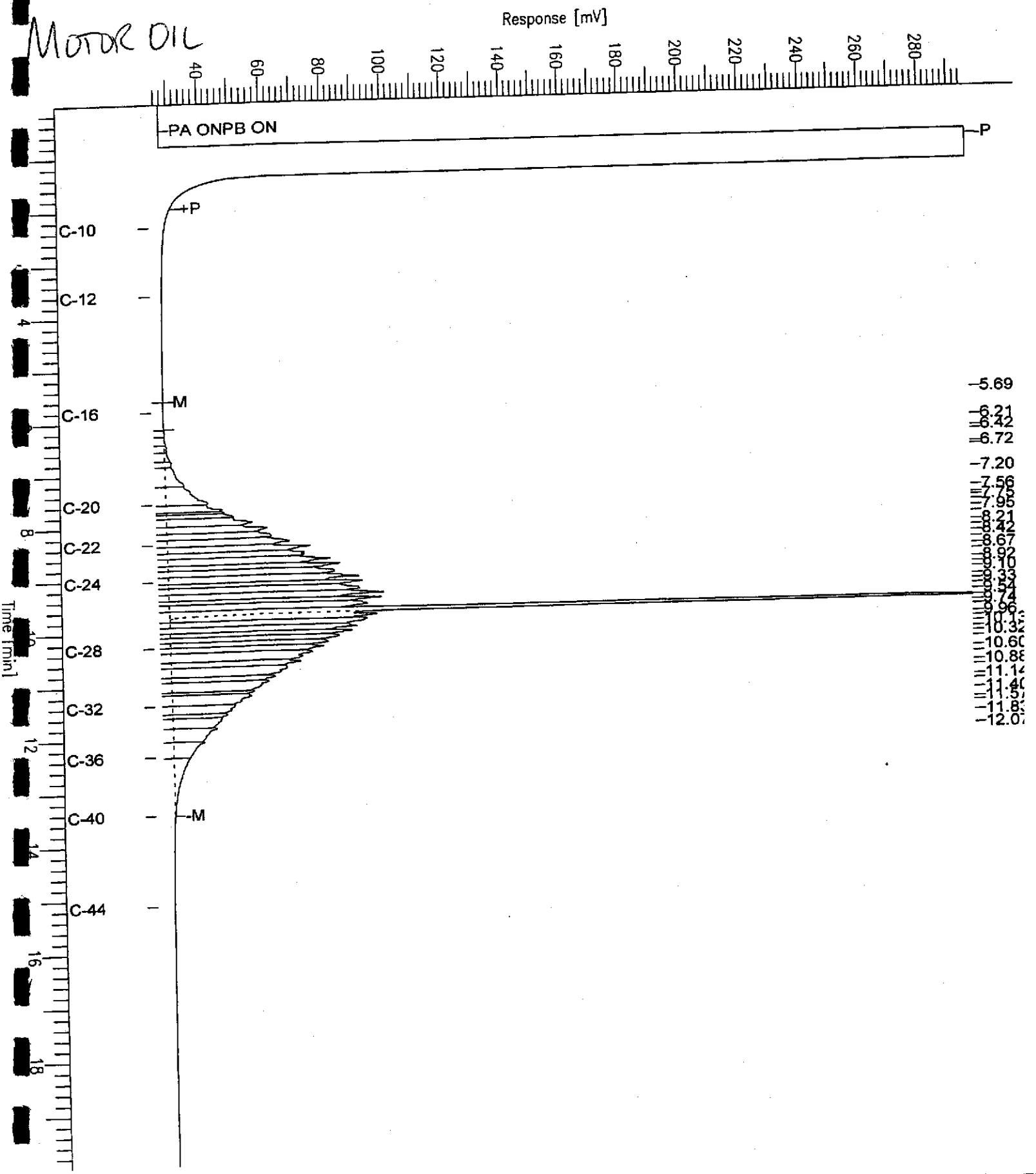
[redacted] Name : ccv,04ws1793,mo
[redacted]ame : G:\GC13\CHB\280B004.RAW
thod : BTEH268S.MTH
art Time : 0.01 min
[redacted] Factor: 0.0

End Time : 19.99 min
Plot Offset: 24 mV

Sample #: 500mg/L
Date : 10/6/04 11:55 AM
Time of Injection: 10/6/04 11:32 AM
Low Point : 24.17 mV
Plot Scale: 271.7 mV

High Point : 295.84 mV

MOTOR OIL



Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	175044	Location:	9th Ave.Terminal-POO
Client:	Fugro West, Inc.	Prep:	EPA 3520C
Project#:	133.023	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	95191
Units:	ug/L	Prepared:	10/05/04
Diln Fac:	1.000	Analyzed:	10/07/04

Type: BS
Lab ID: QC266961
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	3,132	125	51-131

Surrogate	%REC	Limits
Hexacosane	136	53-143

Type: BSD
Lab ID: QC266962
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	3,073	123	51-131	2	42

Surrogate	%REC	Limits
Hexacosane	109	53-143

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Laboratory Number: **175044**
Client: **Subsurface Consultants**
Location: **Port of Oakland**

Sample Date: **10/01/04**
Receipt Date: **10/01/04**

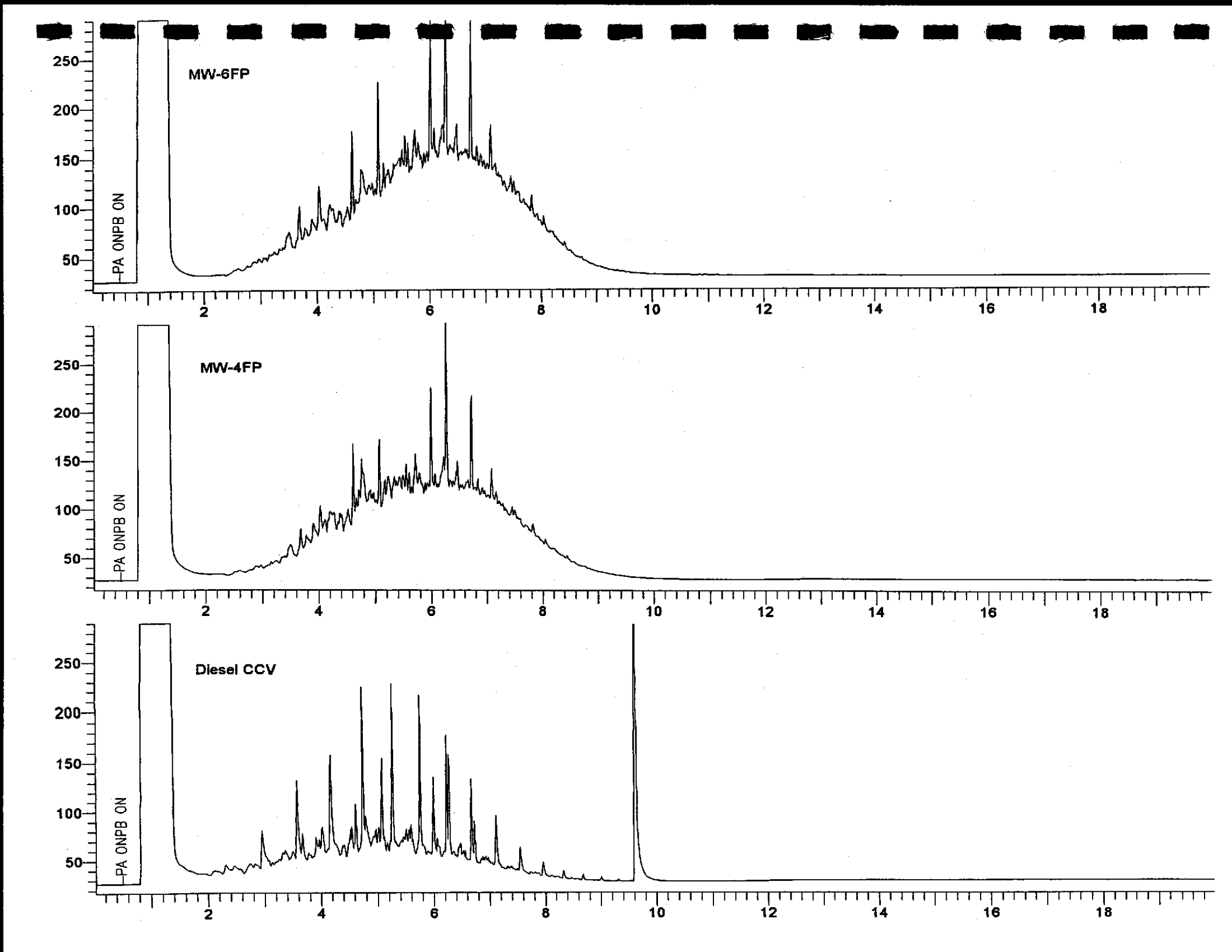
HYDROCARBONS FINGERPRINT

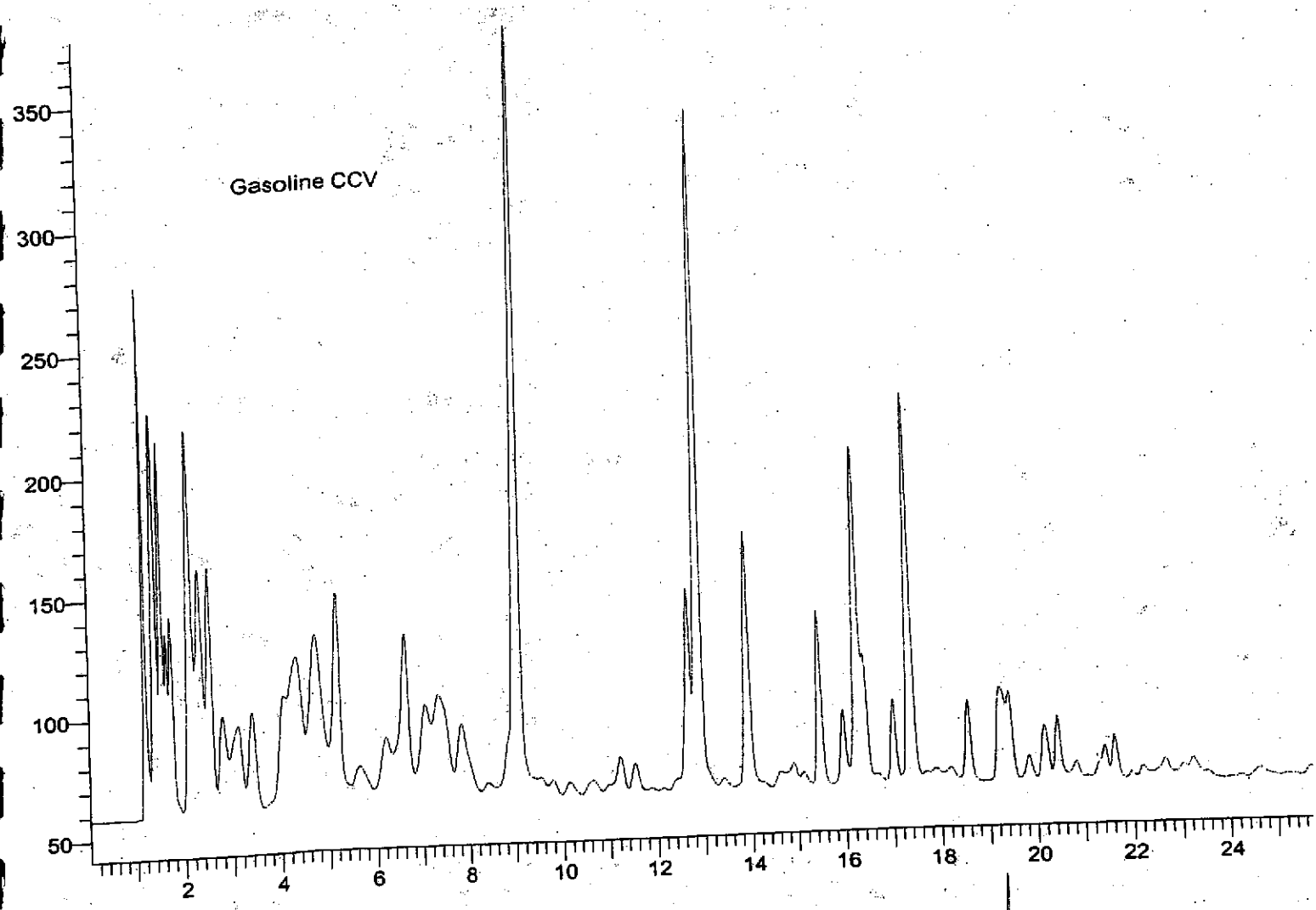
Client Sample ID	Curtis & Tompkins ID
MW-6FP	175044-002
MW-4FP	175044-003

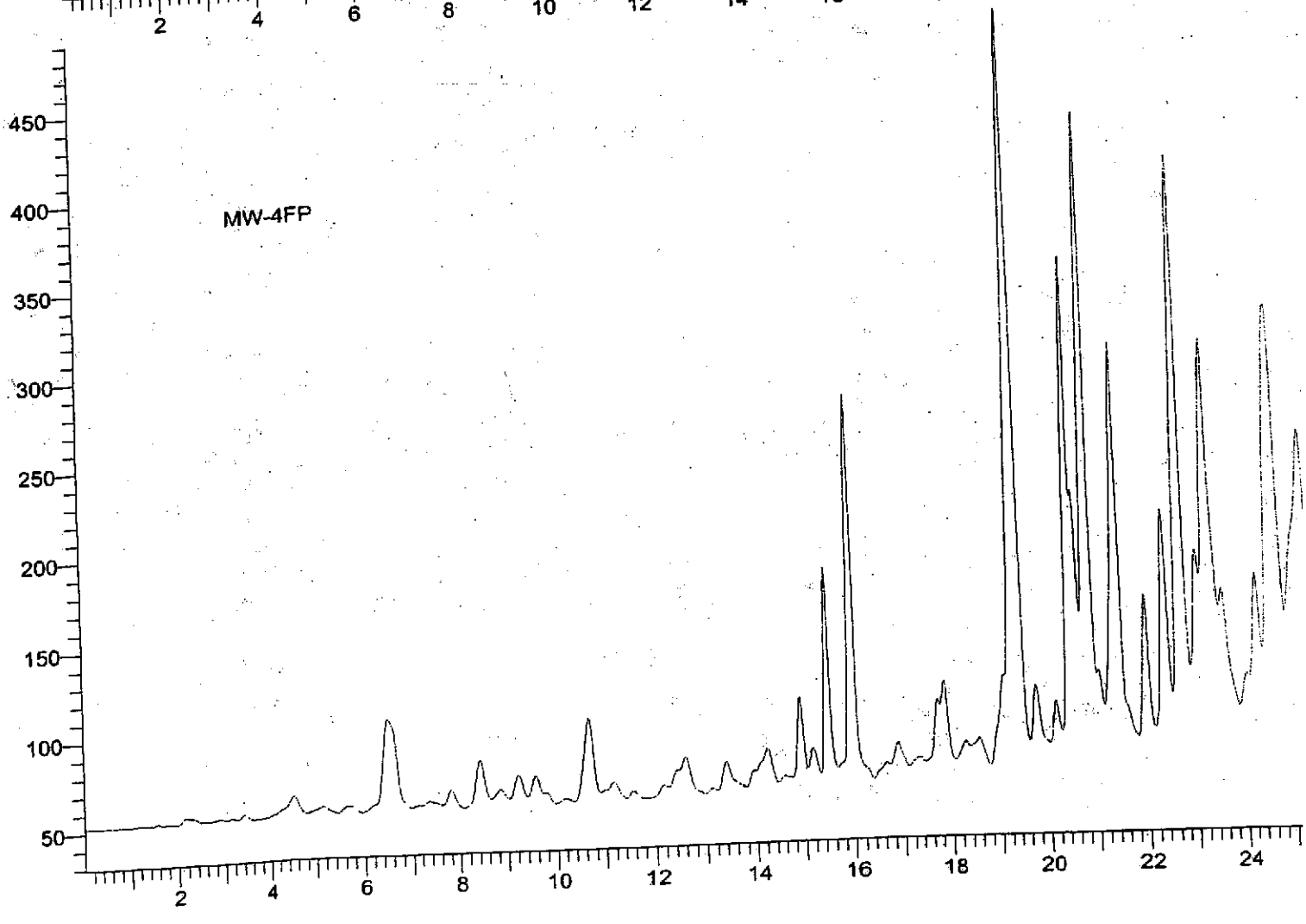
On 10/14/04, the above samples were analyzed for gasoline and diesel range hydrocarbons by EPA modified 8015. Fuel identification is based on comparing the pattern of peaks observed in the sample at various retention time windows to the pattern observed in the same ranges for known fuel standards. This peak pattern is sometimes referred to as the hydrocarbon "fingerprint".

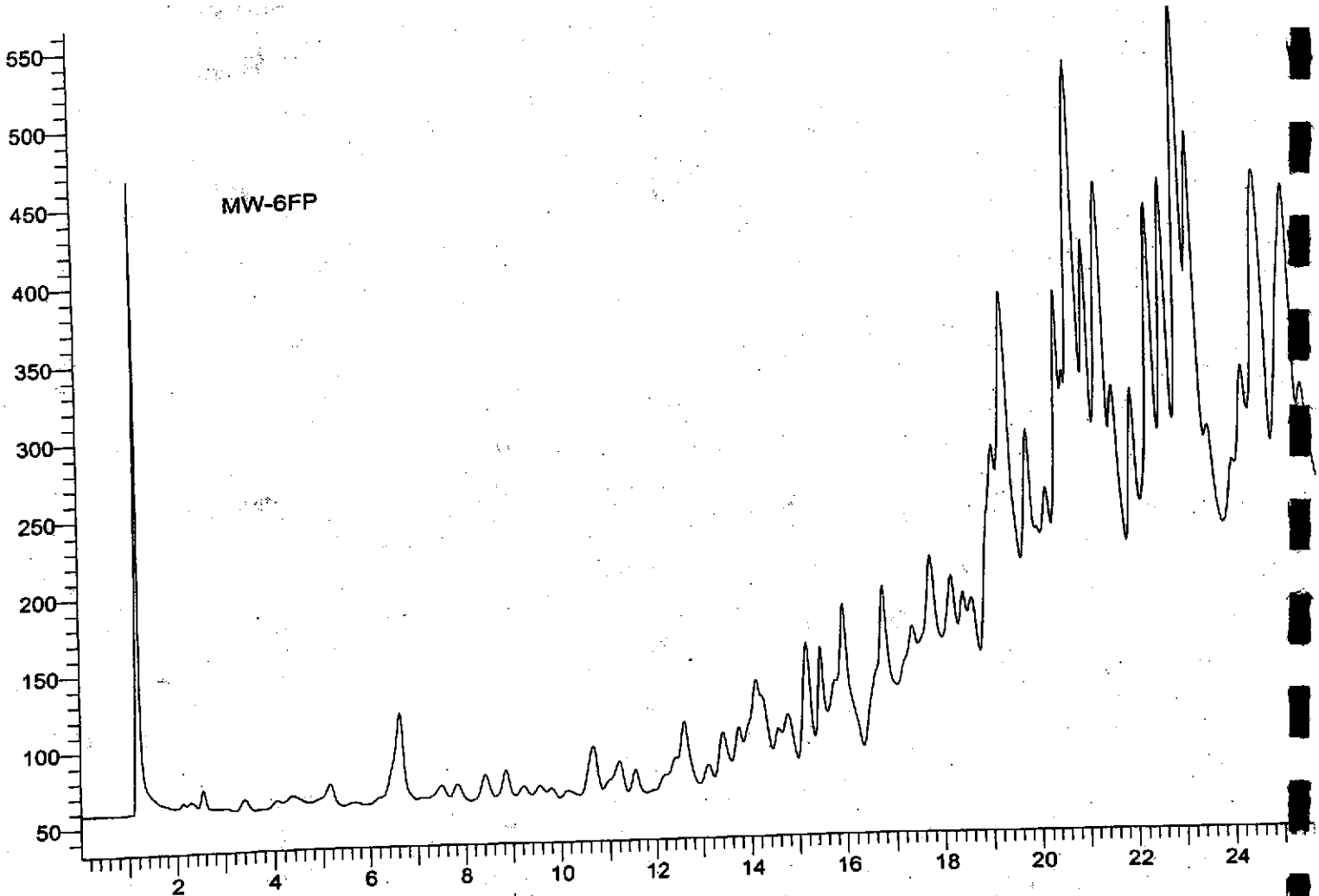
The chromatograms for both samples indicate the presence of hydrocarbon peaks heavier than gasoline, lighter than motor oil, and in the approximate range of C10-C24. The pattern most closely resembles our diesel standard.

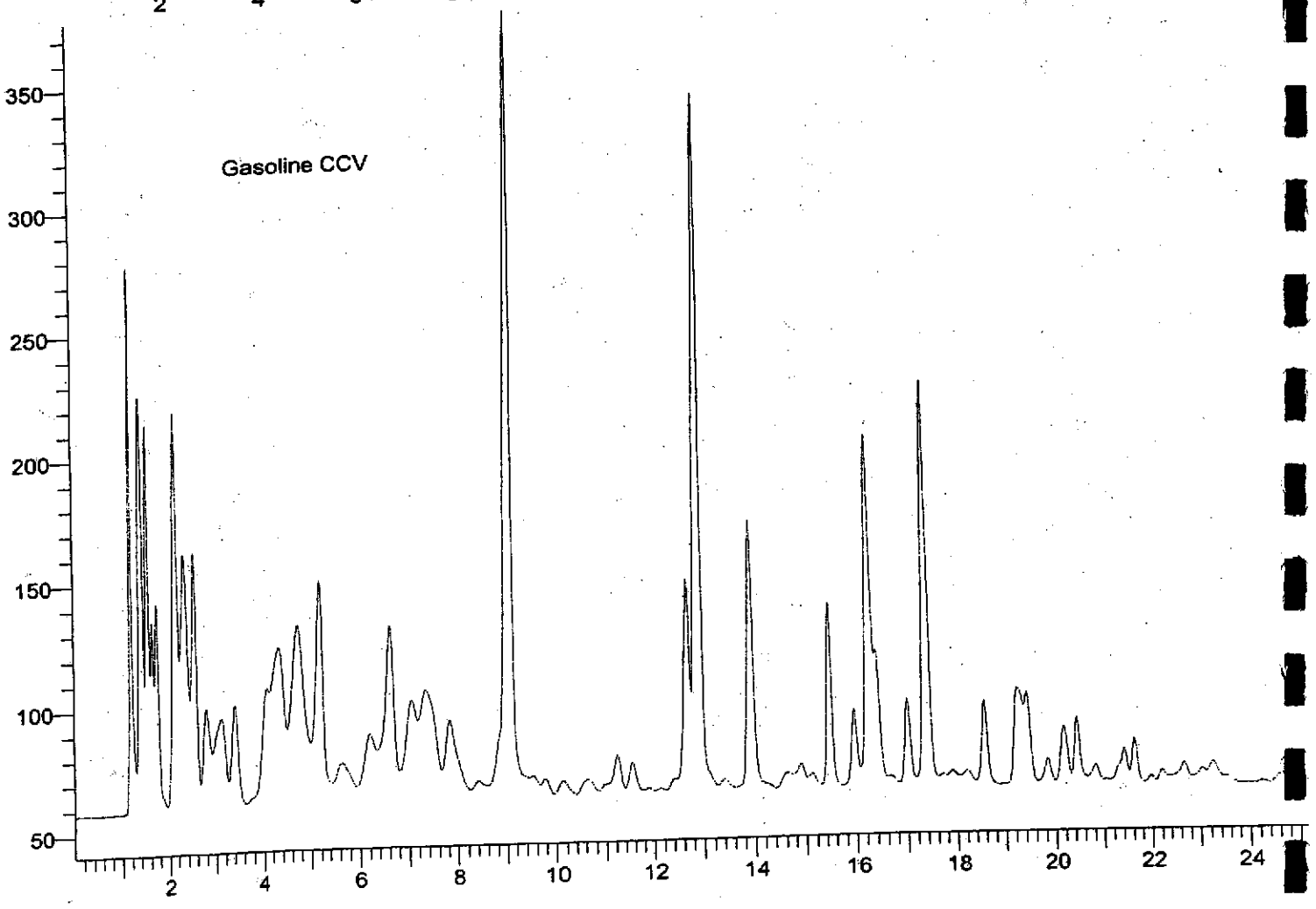
Chromatograms for the samples and standards are attached.


MW-6FP
PA ONPB ON
MW-4FP
PA ONPB ON
Diesel CCV
PA ONPB ON
50
100
150
200
250
2
4
6
8
10
12
14
16
18


Gasoline CCV
350
300
250
200
150
100
50
2
4
6
8
10
12
14
16
18
20
22
24


MW-4FP
450
400
350
300
250
200
150
100
50
2
4
6
8
10
12
14
16
18
20
22
24


MW-6FP
550
500
450
400
350
300
250
200
150
100
50
2
4
6
8
10
12
14
16
18
20
22
24


Gasoline CCV
350
300
250
200
150
100
50
2
4
6
8
10
12
14
16
18
20
22
24

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900, Fax (510) 486-0532

A N A L Y T I C A L R E P O R T

Prepared for:

Fugro West, Inc.
1000 Broadway
Suite 200
Oakland, CA 94607

Date: 19-OCT-04
Lab Job Number: 175091
Project ID: 133.023
Location: 9th Ave Terminal/POO(KOT)

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

15071

CHAIN OF CUSTODY

PROJECT NAME: 9th Avenue Terminal - Port of Oakland

PROJECT NO.: 133.023 LAB: C&T

PROJECT CONTACT: Melissa L. Pleva TURNAROUND: Standard

SAMPLED BY: Melissa L. Pleva REQUESTED BY: Melissa L. Pleva

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX				CONTAINERS						PRESERVATIVE						SAMPLING DATE				NOTES	ANALYSIS REQUESTED									
		WATER	SOIL	AIR		VOA	LITER	PINT	TUBE			HCL	H_2SO_4	HNO_3	ICE	OTHER	NONE	MONTH	DAY	YEAR	TIME		TEHd, mo w/ silica gel (8015m)	TVHg, BTEX (8015m / 8020)	VOCs (8260 / 8040)	MTBE (8260)	Pesticides (8080)	Metals (EPA 6010/7000; filtered; Title 22)				
-1	SCMW-9	X					1								X			10	04	04	1250		X								
-2	SCMW-13	X					1								X			10	04	04	1220		X								
-3	SCMW-3	X					1								X			10	04	04	1230		X								
-4	SCMW-24	X				3	1								X			10	04	04	1250		X	X							
-5	SCMW-31D	X				3									X			10	04	04	1340				X						
-6	SCMW-30	X				3									X			10	04	04	1455				X						
-7	SCMW-22	X				3									X			10	04	04	1355				X						
-8	MW-2	X					1								X			10	04	04	1530		X								
-9	SCMW-2	X					1								X			10	04	04	1550		X								
-10	SCMW-26	X					1								X			10	04	04	1630		X								
-11	MW-6	X				3	1								X			10	04	04	1655	*	X	X		X					
-12	Trip Blank	X				3						X			X																
	JGW 10-5-04																														

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Melissa Pleva	10/05/04 1345	[illegible]	10/5/4 1345
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

g:\server migration\data\template\chain of custody

COMMENTS & NOTES:
VOAs are UNPRESERVED
Intact trip blank logged in on HOLD JGW 10-5-04
* MW-6 has free product
Two coolers w/ 3 temp blanks all in one cooler: 7.3, 6.1 & 6.0 °C JGW 10-5-04

FUGRO WEST, INC.
1000 Broadway, Suite 200
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0137

Excel

175091

Subject: re: Port of Oakland Samples
From: "Pleva, Melissa" <MPleva@Fugro.com>
Date: Wed, 6 Oct 2004 20:10:54 -0400
To: steve@ctberk.com

Fugro Project # 133.023
KOT - 9th Avenue Terminal
Oakland, California

Please do not analyze the MW-6 groundwater samples.

Melissa L. Pleva
Staff Engineer & Geologist
Fugro West, Inc.
1000 Broadway, Suite 200
Oakland, CA 94607-4099
www.fugrowest.com
phone : (510) 268-0461
fax: (510) 268-0137
cell: (510) 610-5416

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	175091
Client:	Fugro West, Inc.
Project:	133.023
Location:	9th Ave Terminal/POO(KOT)
Request Date:	10/05/04
Samples Received:	10/05/04

This hardcopy data package contains sample and QC results for ten water samples, requested for the above referenced project on 10/05/04. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B):
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175091	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023		
Field ID:	SCIMW-24	Sampled:	10/04/04
Matrix:	Water	Received:	10/05/04
Units:	ug/L	Analyzed:	10/05/04
Batch#:	95162		

Type: SAMPLE
Lab ID: 175091-004

Diln Fac: 10.00

Analyte	Result	RL	Analysis
Gasoline C7-C12	8,200	500	EPA 8015B
Benzene	1,600	5.0	EPA 8021B
Toluene	49 C	5.0	EPA 8021B
Ethylbenzene	37	5.0	EPA 8021B
m,p-Xylenes	52	5.0	EPA 8021B
o-Xylene	ND	5.0	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	110	70-141	EPA 8015B
Bromofluorobenzene (FID)	102	80-143	EPA 8015B
Trifluorotoluene (PID)	103	59-133	EPA 8021B
Bromofluorobenzene (PID)	99	76-128	EPA 8021B

Type: BLANK
Lab ID: QC266861

Diln Fac: 1.000

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	89	70-141	EPA 8015B
Bromofluorobenzene (FID)	88	80-143	EPA 8015B
Trifluorotoluene (PID)	87	59-133	EPA 8021B
Bromofluorobenzene (PID)	90	76-128	EPA 8021B

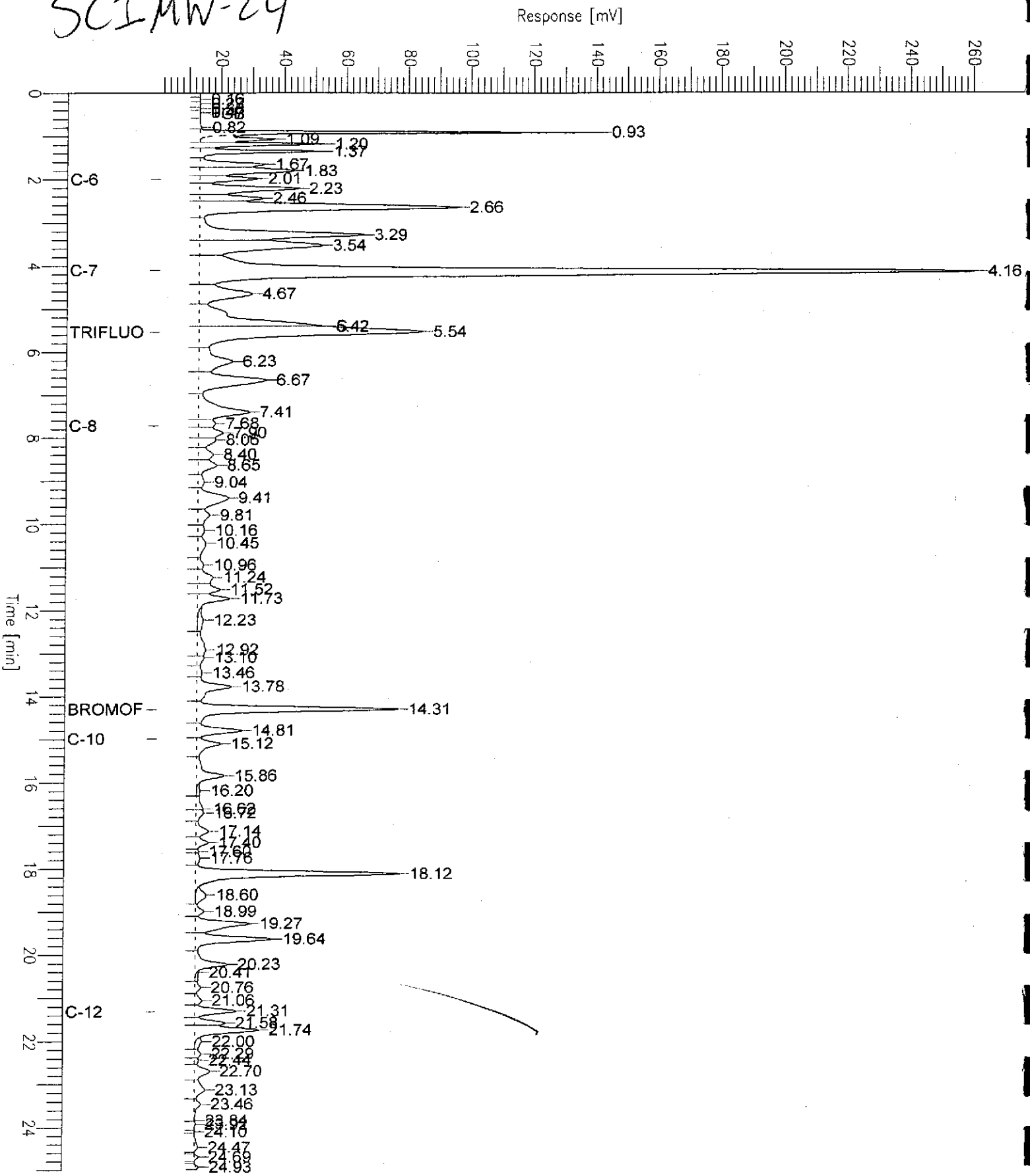
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Chromatogram

Sample Name : 175091-004,95162
FileName : G:\GC05\DATA\279G019.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: 1 mV

Sample #: b7 Page 1 of 1
Date : 10/6/04 09:35 AM
Time of Injection: 10/5/04 10:58 PM
Low Point : 0.92 mV High Point : 261.41 mV
Plot Scale: 260.5 mV

SCIMW-24



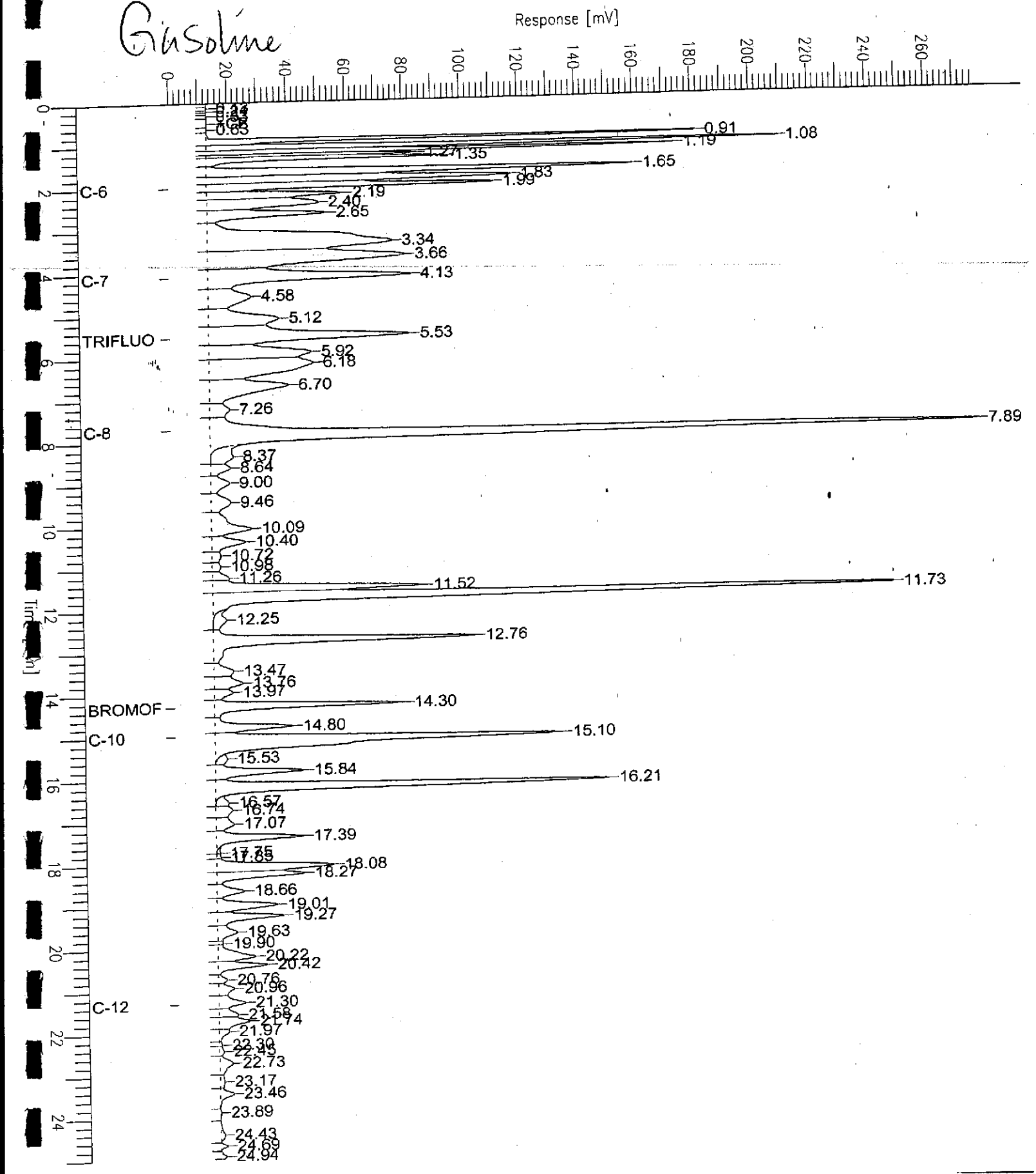
Chromatogram

Sample Name : ccv/lcs,qc266863,95162,04ws1816,5/5000
File Name : G:\GC05\DATA\279g002.raw
Method : TVHBTXE
Start Time : 0.00 min
Scale Factor: 1.0

End Time : 25.00 min
Plot Offset: -0 mV

Sample #:
Date : 10/5/04 10:26 AM
Time of Injection: 10/5/04 09:59 AM
Low Point : -0.17 mV
High Point : 276.96 mV
Plot Scale: 277.1 mV

Gasoline



Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175091	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC266862	Batch#:	95162
Matrix:	Water	Analyzed:	10/05/04
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Benzene	20.00	21.45	107	80-120
Toluene	20.00	21.80	109	80-120
Ethylbenzene	20.00	21.34	107	80-120
m,p-Xylenes	20.00	20.02	100	80-120
o-Xylene	20.00	22.33	112	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	91	59-133
Bromofluorobenzene (PID)	94	76-128

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175091	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC266863	Batch#:	95162
Matrix:	Water	Analyzed:	10/05/04
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,901	95	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	124	70-141
Bromofluorobenzene (FID)	101	80-143

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175091	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	95162
MSS Lab ID:	175086-001	Sampled:	10/05/04
Matrix:	Water	Received:	10/05/04
Units:	ug/L	Analyzed:	10/05/04
Diln Fac:	1.000		

Type: MS Lab ID: QC266933

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	12.85	2,000	1,863	92	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	123	70-141
Bromofluorobenzene (FID)	102	80-143

Type: MSD Lab ID: QC266934

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,877	93	80-120	1	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	120	70-141
Bromofluorobenzene (FID)	102	80-143

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	175091	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 3520C
Project#:	133.023	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	10/04/04
Units:	ug/L	Received:	10/05/04
Diln Fac:	1.000	Prepared:	10/07/04
Batch#:	95276		

Field ID:	SCIMW-9	Analyzed:	10/09/04
Type:	SAMPLE	Cleanup Method:	EPA 3630C
Lab ID:	175091-001		

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

Surrogate	%REC	Limits
Hexacosane	99	53-143

Field ID:	SCIMW-13	Analyzed:	10/09/04
Type:	SAMPLE	Cleanup Method:	EPA 3630C
Lab ID:	175091-002		

Analyte	Result	RL
Diesel C10-C24	80 Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	95	53-143

Field ID:	SCIMW-3	Analyzed:	10/09/04
Type:	SAMPLE	Cleanup Method:	EPA 3630C
Lab ID:	175091-003		

Analyte	Result	RL
Diesel C10-C24	1,700 H Y	50
Motor Oil C24-C36	7,400	300

Surrogate	%REC	Limits
Hexacosane	104	53-143

Field ID:	SCIMW-24	Analyzed:	10/09/04
Type:	SAMPLE	Cleanup Method:	EPA 3630C
Lab ID:	175091-004		

Analyte	Result	RL
Diesel C10-C24	400 H Y	50
Motor Oil C24-C36	950 L	300

Surrogate	%REC	Limits
Hexacosane	113	53-143

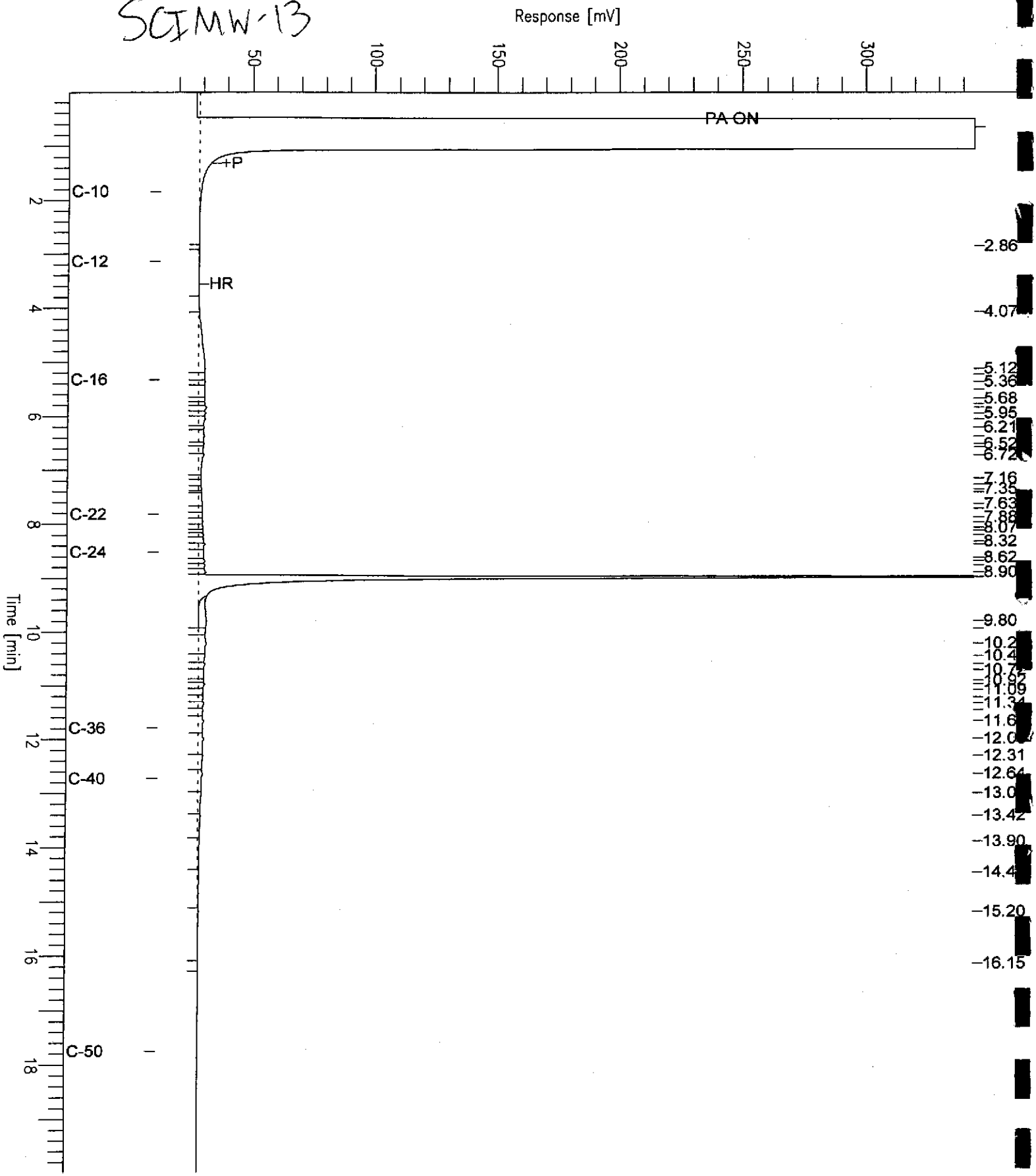
H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Chromatogram

Sample Name : 175091-002sg,95276
FileName : G:\GC17\CHA\282A030.RAW
Method : ATEH284.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 12 mV

Sample #: 95276 Page 1 of 1
Date : 10/10/04 06:16 PM
Time of Injection: 10/9/04 03:52 AM
Low Point : 12.33 mV High Point : 344.55 mV
Plot Scale: 332.2 mV

SCIMW-13

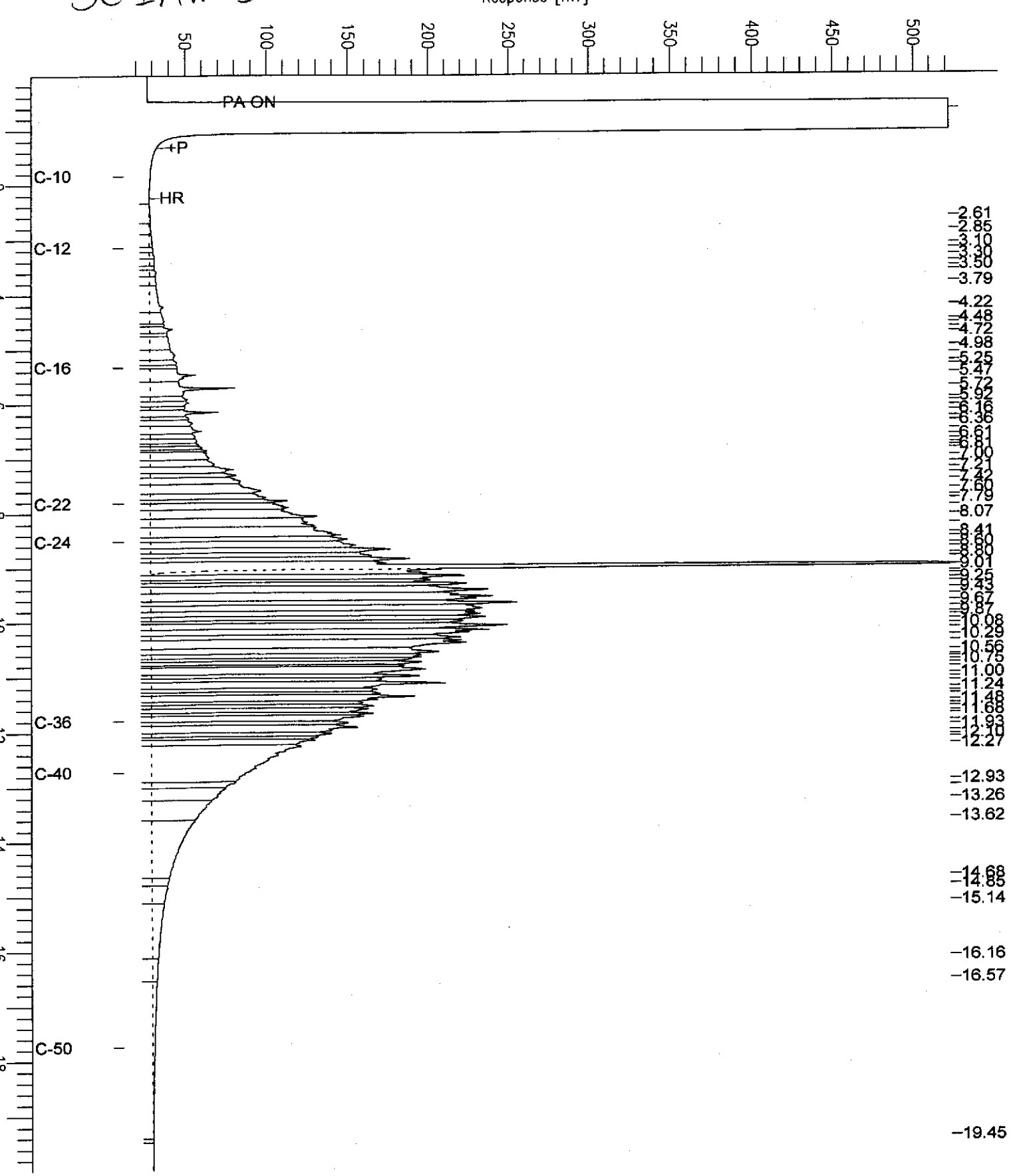


Chromatogram

Sample Name : 175091-003sg,95276
leName : G:\GC17\CHA\282A031.RAW
thod : ATEH284.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 12 mV

Sample #: 95276 Page 1 of 1
Date : 10/10/04 06:16 PM
Time of Injection: 10/9/04 04:20 AM
Low Point : 12.33 mV High Point : 522.00 mV
Plot Scale: 509.7 mV

SC1MW-3

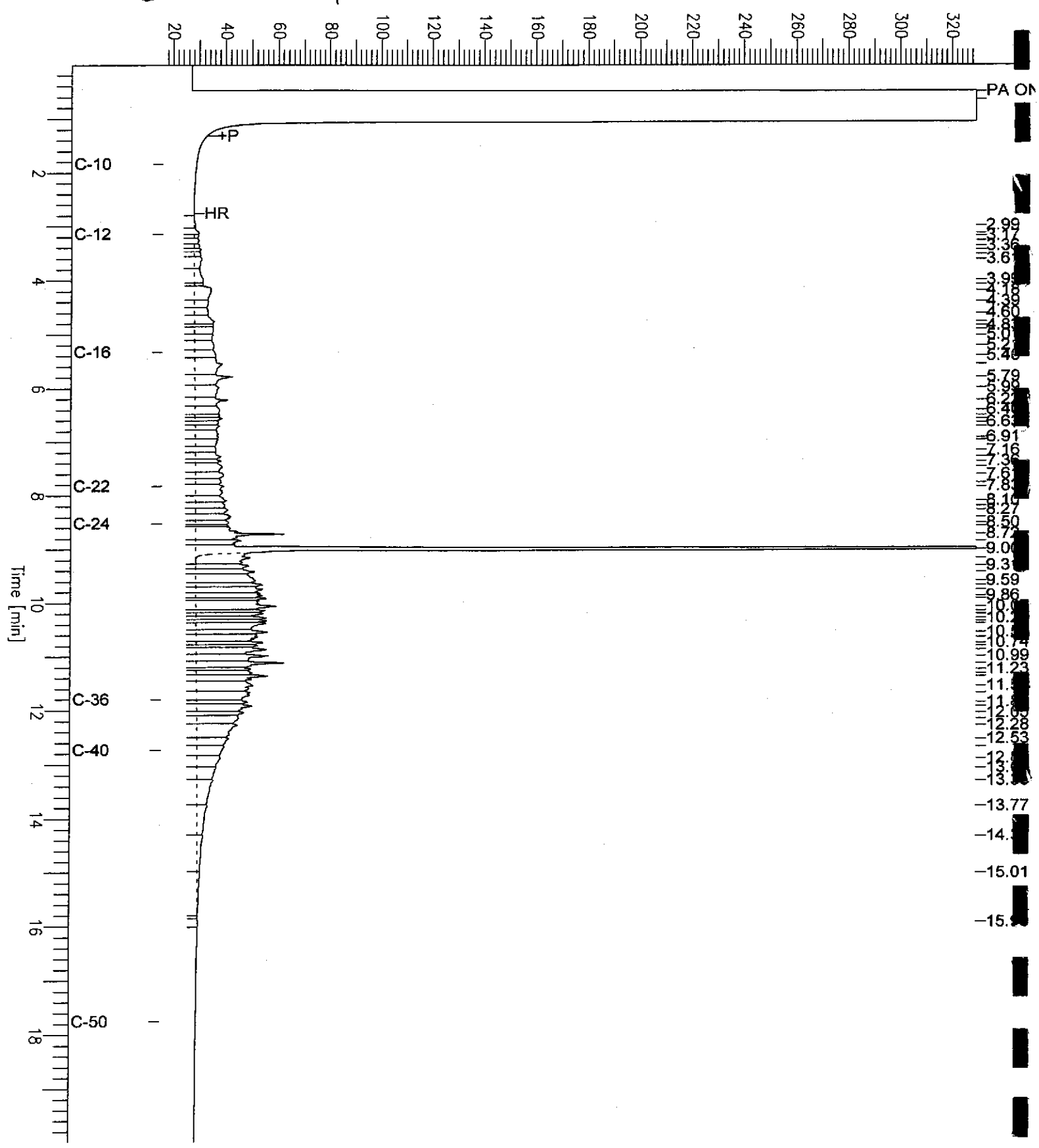


Chromatogram

Sample Name : 175091-004sg,95276
FileName : G:\GC17\CHA\282A032.RAW
Method : ATEH284.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 16 mV

Sample #: 95276 Page 1 of 1
Date : 10/10/04 06:17 PM
Time of Injection: 10/9/04 04:49 AM
Low Point : 16.09 mV High Point : 329.37 mV
Plot Scale: 313.3 mV

SCIMW-24



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	175091	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 3520C
Project#:	133.023	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	10/04/04
Units:	ug/L	Received:	10/05/04
Diln Fac:	1.000	Prepared:	10/07/04
Batch#:	95276		

Field ID: MW-2 — Analyzed: 10/09/04
Type: SAMPLE — Cleanup Method: EPA 3630C
Lab ID: 175091-008

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

Surrogate	%REC	Limits
Hexacosane	90	53-143

Field ID: SCIMW-2 — Analyzed: 10/09/04
Type: SAMPLE — Cleanup Method: EPA 3630C
Lab ID: 175091-009

Analyte	Result	RL
Diesel C10-C24	350 Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	111	53-143

Field ID: SCIMW-26 — Analyzed: 10/09/04
Type: SAMPLE — Cleanup Method: EPA 3630C
Lab ID: 175091-010

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

Surrogate	%REC	Limits
Hexacosane	94	53-143

Type: BLANK — Analyzed: 10/08/04
Lab ID: QC267289 — Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	95	53-143

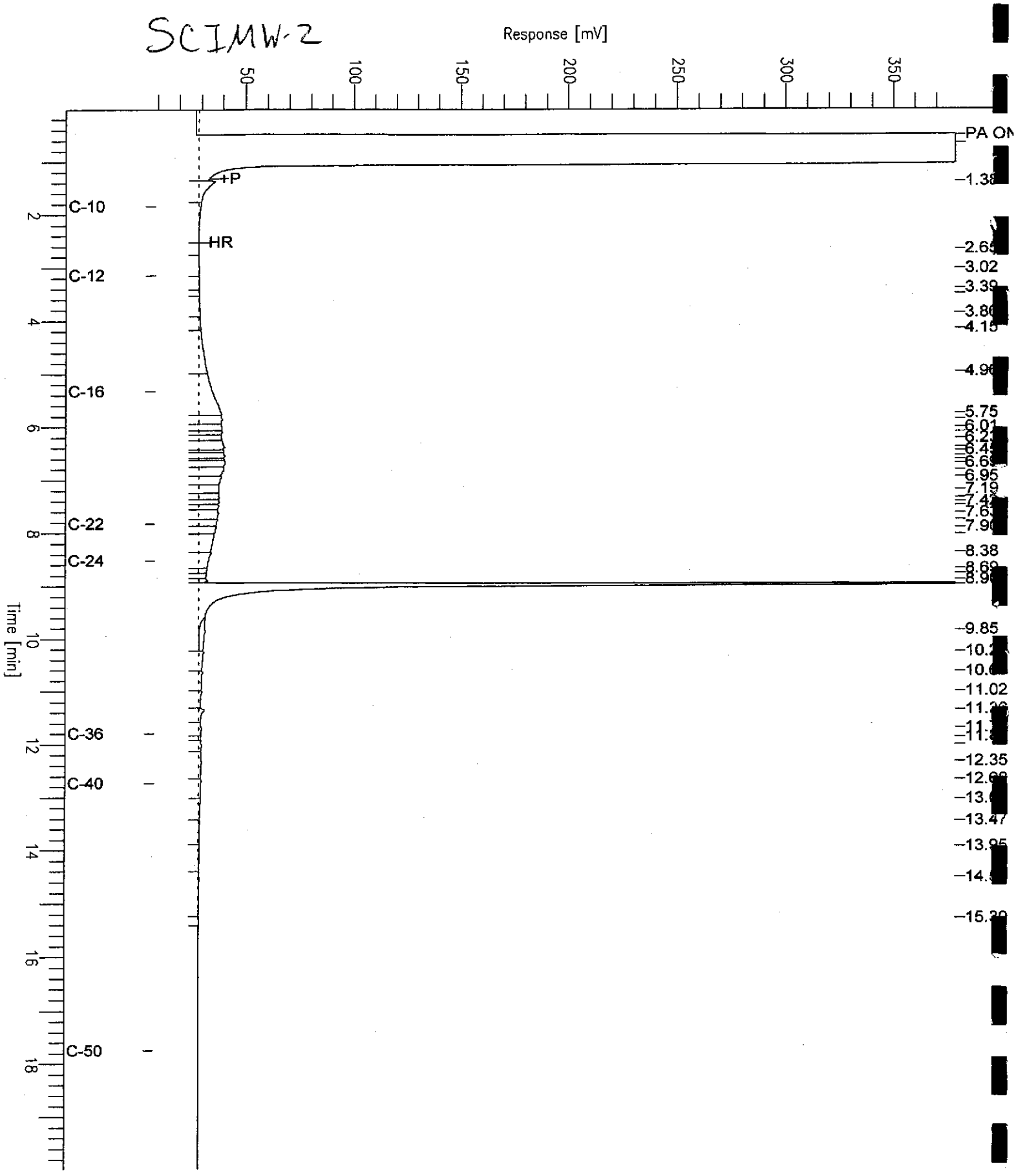
H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Chromatogram

Sample Name : 175091-009sg,95276
FileName : G:\GC17\CHA\282A040.RAW
Method : ATEH284.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 9 mV

Sample #: 95276 Page 1 of 1
Date : 10/10/04 06:20 PM
Time of Injection: 10/9/04 08:39 AM
Low Point : 8.84 mV High Point : 378.63 mV
Plot Scale: 369.8 mV

SCIMW-2



Chromatogram

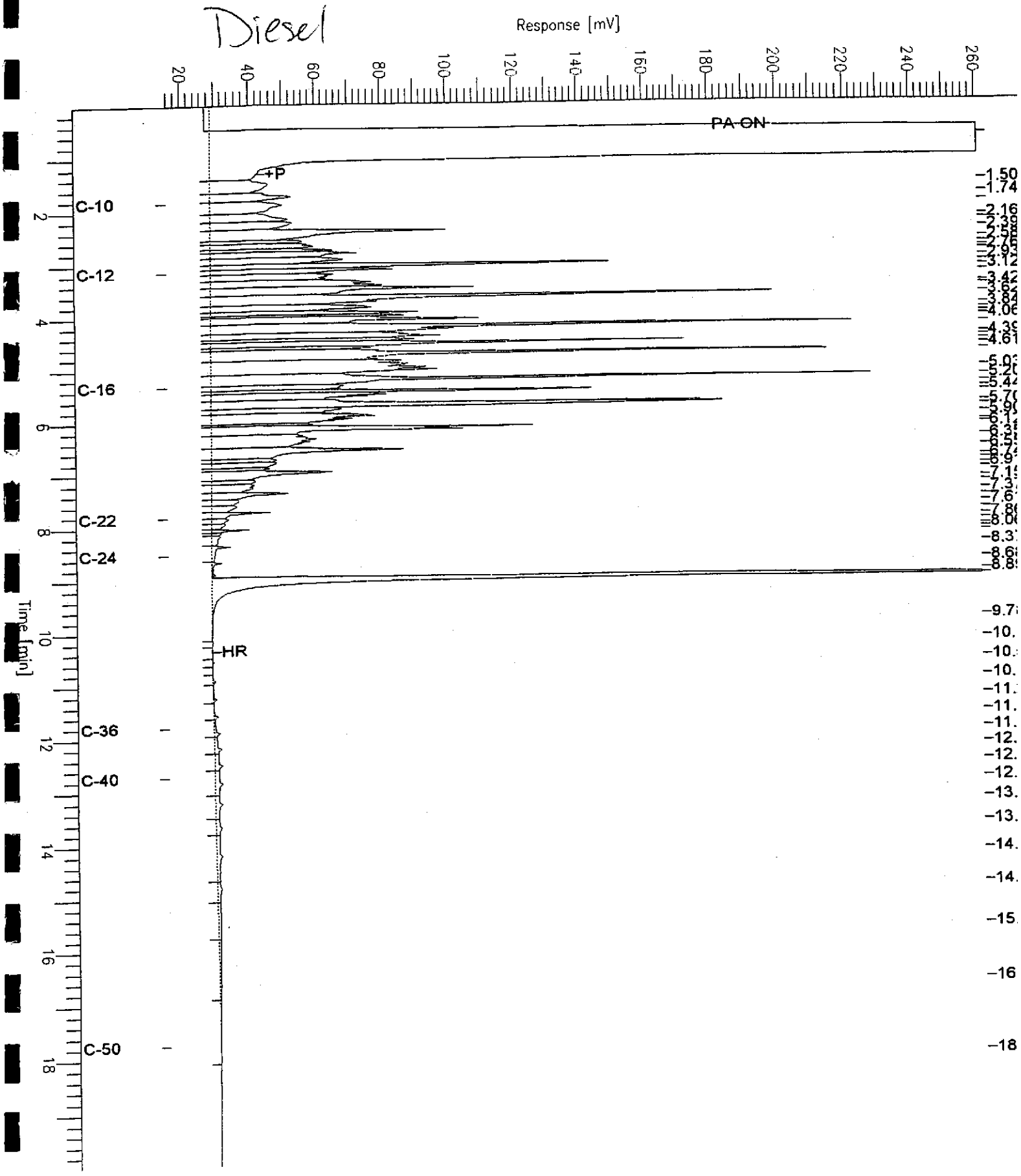
Sample Name : ccv,04ws1621,dsl
FileName : G:\GC17\CHA\282A003.RAW
Method : ATEH241.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 19.99 min
Plot Offset: 16 mV

Sample #: 500mg/L
Date : 10/8/04 11:16 AM
Time of Injection: 10/8/04 10:14 AM
Low Point : 15.86 mV
Plot Scale: 244.7 mV

High Point : 260.59 mV

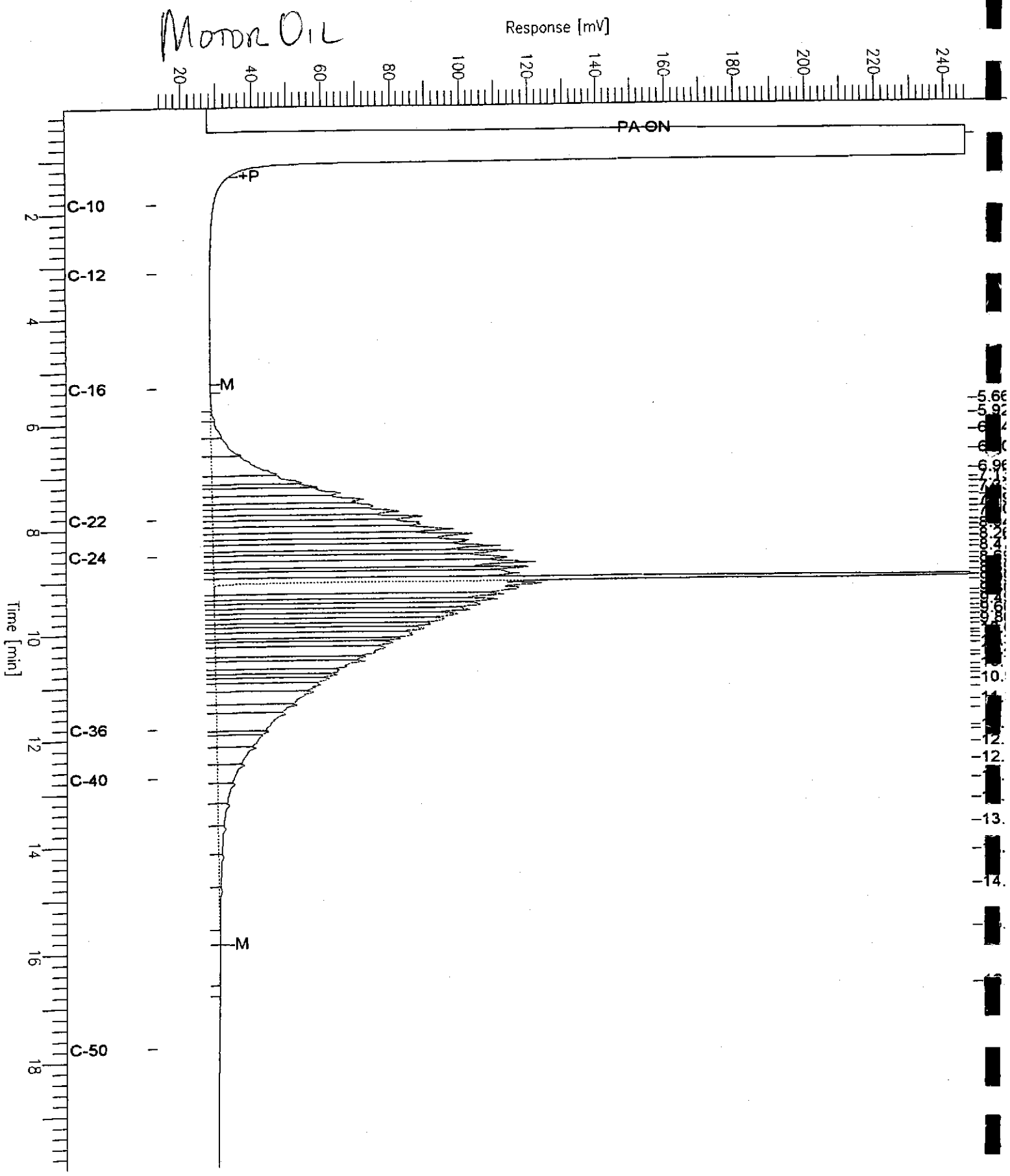
Diesel



Chromatogram

Sample Name : ccv,04ws1793,mo
FileName : G:\GC17\CHA\282A004.RAW
Method : ATEH241.MTH
Start Time : 0.03 min
End Time : 19.99 min
Scale Factor: 0.0
Plot Offset: 13 mV

Sample #: 500mg/L
Date : 10/8/04 11:23 AM
Time of Injection: 10/8/04 10:43 AM
Low Point : 12.97 mV
High Point : 246.09 mV
Plot Scale: 233.1 mV



Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	175091	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 3520C
Project#:	133.023	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	95276
Units:	ug/L	Prepared:	10/07/04
Diln Fac:	1.000	Analyzed:	10/11/04

Type: BS Cleanup Method: EPA 3630C
Lab ID: QC267290

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,842	114	51-131

Surrogate	%REC	Limits
Hexacosane	127	53-143

Type: BSD Cleanup Method: EPA 3630C
Lab ID: QC267291

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	3,055	122	51-131	7	42

Surrogate	%REC	Limits
Hexacosane	128	53-143

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175091	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Field ID:	SCIMW-31D	Batch#:	95205
Lab ID:	175091-005	Sampled:	10/04/04
Matrix:	Water	Received:	10/05/04
Units:	ug/L	Analyzed:	10/06/04
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	10
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
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	10
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	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
Dibromomethane	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
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175091	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Field ID:	SCIMW-31D	Batch#:	95205
Lab ID:	175091-005	Sampled:	10/04/04
Matrix:	Water	Received:	10/05/04
Units:	ug/L	Analyzed:	10/06/04
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	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
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-120
1,2-Dichloroethane-d4	106	80-120
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175091	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Field ID:	SCIMW-30	Batch#:	95205
Lab ID:	175091-006	Sampled:	10/04/04
Matrix:	Water	Received:	10/05/04
Units:	ug/L	Analyzed:	10/06/04
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	10
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
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	10
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	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
Dibromomethane	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
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175091	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Field ID:	SCIMW-30	Batch#:	95205
Lab ID:	175091-006	Sampled:	10/04/04
Matrix:	Water	Received:	10/05/04
Units:	ug/L	Analyzed:	10/06/04
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	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
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120
1,2-Dichloroethane-d4	107	80-120
Toluene-d8	100	80-120
Bromofluorobenzene	100	80-122

ND= Not Detected
RL= Reporting Limit

7.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175091	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Field ID:	SCIMW-22	Batch#:	95205
Lab ID:	175091-007	Sampled:	10/04/04
Matrix:	Water	Received:	10/05/04
Units:	ug/L	Analyzed:	10/06/04
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	10
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
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	10
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	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
Dibromomethane	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
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175091	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Field ID:	SCIMW-22	Batch#:	95205
Lab ID:	175091-007	Sampled:	10/04/04
Matrix:	Water	Received:	10/05/04
Units:	ug/L	Analyzed:	10/06/04
Dil'n Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	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
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120
1,2-Dichloroethane-d4	101	80-120
Toluene-d8	98	80-120
Bromofluorobenzene	100	80-122

ND= Not Detected
RL= Reporting Limit

8.0

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	175091	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC267012	Batch#:	95205
Matrix:	Water	Analyzed:	10/06/04
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	10
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
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	10
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	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
Dibromomethane	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
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

atch QC Report

Purgeable Organics by GC/MS

ab #:	175091	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
ype:	BLANK	Diln Fac:	1.000
ab ID:	QC267012	Batch#:	95205
Matrix:	Water	Analyzed:	10/06/04
nits:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	5.0
,2-Dibromoethane	ND	5.0
hlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
thylbenzene	ND	5.0
,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
tyrene	ND	5.0
romoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
,2,3-Trichloropropane	ND	5.0
ropylbenzene	ND	5.0
Bromobenzene	ND	5.0
,3,5-Trimethylbenzene	ND	5.0
-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
ert-Butylbenzene	ND	5.0
,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
,3-Dichlorobenzene	ND	5.0
,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
,2-Dichlorobenzene	ND	5.0
,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
aphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
ibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	102	80-120
oluene-d8	100	80-120
romofluorobenzene	102	80-122

N = Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	175091	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	95205
Units:	ug/L	Analyzed:	10/06/04
Diln Fac:	1.000		

Type: BS Lab ID: QC267010

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	27.34	109	75-120
Benzene	25.00	26.02	104	79-120
Trichloroethene	25.00	26.10	104	79-120
Toluene	25.00	24.71	99	80-120
Chlorobenzene	25.00	25.04	100	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	100	80-120
Toluene-d8	101	80-120
Bromofluorobenzene	97	80-122

Type: BSD Lab ID: QC267011

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	26.36	105	75-120	4	20
Benzene	25.00	24.69	99	79-120	5	20
Trichloroethene	25.00	25.66	103	79-120	2	20
Toluene	25.00	23.37	93	80-120	6	20
Chlorobenzene	25.00	24.00	96	80-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	100	80-120
Toluene-d8	100	80-120
Bromofluorobenzene	99	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900, Fax (510) 486-0532

ANALYTICAL REPORT

Prepared for:

Fugro West, Inc.
1000 Broadway
Suite 200
Oakland, CA 94607

Date: 25-OCT-04
Lab Job Number: 175120
Project ID: 133.023
Location: 9th Ave Terminal/POO(KOT)

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.

CASE NARRATIVE

Laboratory number:	**175120**
Client:	**Fugro West, Inc.**
Project:	**133.023**
Location:	**9th Ave Terminal/POO(KOT)**
Request Date:	**10/06/04**
Samples Received:	**10/06/04**

This hardcopy data package contains sample and QC results for eight water samples, requested for the above referenced project on 10/06/04. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B):
Low recoveries were observed for gasoline C7-C12 in the MS/MSD for batch 95209; the parent sample was not a project sample, the LCS was within limits, the associated RPD was within limits, and this analyte was not detected in the associated sample. No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Pesticides (EPA 8081A):
High surrogate recovery was observed for TCMX in SCIMW-7 (lab # 175120-001). No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7470A):
No analytical problems were encountered.

17562

CHAIN OF CUSTODY

PROJECT NAME: 9th Avenue Terminal - Port of Oakland

PROJECT NO.: 133.023 — LAB: C&T

PROJECT CONTACT: Melissa L. Pleva — TURNAROUND: Standard

SAMPLED BY: Melissa L. Pleva — REQUESTED BY: Melissa L. Pleva

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE	PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	TEHd, mo w/ silica gel (8015m)	TVHg, BTEX (8015m / 8020)	VOCs (8260 / 8040)	MTBE (8260)	Pesticides (8080)	Metals (EPA 6010/7000; filtered; Title 22)	TVHg (8015m)
	MW-4	X										X			10	06	04		(1)	X	X		X			MW-4
-1	SCMW-7	X			6	2						X			10	06	04	0845		X	X	X		X		
-2	SCMW-8	X				1						X			10	06	04	0805		X						
-3	SCMW-28	X			3	1	1					X			10	06	04	1030		X		X			X	
-4	SCMW-29	X				1						X			10	06	04	1410		X						
-5	SCMW-32	X			3							X			10	06	04	0925				X				
-6	SCMW-33	X			3	2						X			10	06	04	0745		X		X		X		
-7	SCMW-34	X			3	1						X			10	06	04	0915	(2)	X					X	
-8	SCMW-35	X			3	1						X			10	06	04	0940		X	X					

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Melissa Pleva	10/06/04 1635	Jawanna Curtis	10/6/04 1635
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

COMMENTS & NOTES:

VOAs are UNPRESERVED

(1)

(2) Lab will filter & preserve samples for metals analysis

FUGRO WEST, INC.

1000 Broadway, Suite 200

Oakland, California 94607

Tel: 510.268.0461 Fax: 510.268.0137

CURTIS & TOMPKINS, LTD. BERKELEY   LOGIN CHANGE FORM

Reason for change: ✓ Client Request: By: Melissa Pleva Date/Time: 10/12/4 Initials: N Level: 2

____ Login Review ____ Data Review Client/Acct: FUGRO-PUO

Current Lab ID	Previous Lab ID	Client ID	Matrix	Add/Cancel/ Change	Analysis	Holddate	Duedate
175120-009	175120-001	SCI MW-7	Water	Add	8260 - client want this run as the DUPLICATE of 175120-001	10/20	10/18

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023		
Matrix:	Water	Sampled:	10/06/04
Units:	ug/L	Received:	10/06/04

Field ID: SCIMW-7 Lab ID: 175120-001
Type: SAMPLE

Analyte	Result	RL	Diln Fac	Batch#	Analyzed	Analysis
Gasoline C7-C12	3,400	250	5.000	95241	10/07/04	EPA 8015B
Benzene	1,400	2.5	5.000	95241	10/07/04	EPA 8021B
Toluene	330	0.50	1.000	95209	10/06/04	EPA 8021B
Ethylbenzene	6.6	0.50	1.000	95209	10/06/04	EPA 8021B
m,p-Xylenes	17	0.50	1.000	95209	10/06/04	EPA 8021B
o-Xylene	24	0.50	1.000	95209	10/06/04	EPA 8021B

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed	Analysis
Trifluorotoluene (FID)	84	70-141	5.000	95241	10/07/04	EPA 8015B
Bromofluorobenzene (FID)	88	80-143	5.000	95241	10/07/04	EPA 8015B
Trifluorotoluene (PID)	70	59-133	1.000	95209	10/06/04	EPA 8021B
Bromofluorobenzene (PID)	84	76-128	1.000	95209	10/06/04	EPA 8021B

Field ID: SCIMW-34 Batch#: 95241
Type: SAMPLE Analyzed: 10/07/04
Lab ID: 175120-007 Analysis: EPA 8015B
Diln Fac: 1.000

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	74	70-141
Bromofluorobenzene (FID)	80	80-143

Field ID: SCIMW-35 Diln Fac: 1.000
Type: SAMPLE Batch#: 95209
Lab ID: 175120-008 Analyzed: 10/06/04

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	87	70-141	EPA 8015B
Bromofluorobenzene (FID)	92	80-143	EPA 8015B
Trifluorotoluene (PID)	84	59-133	EPA 8021B
Bromofluorobenzene (PID)	91	76-128	EPA 8021B

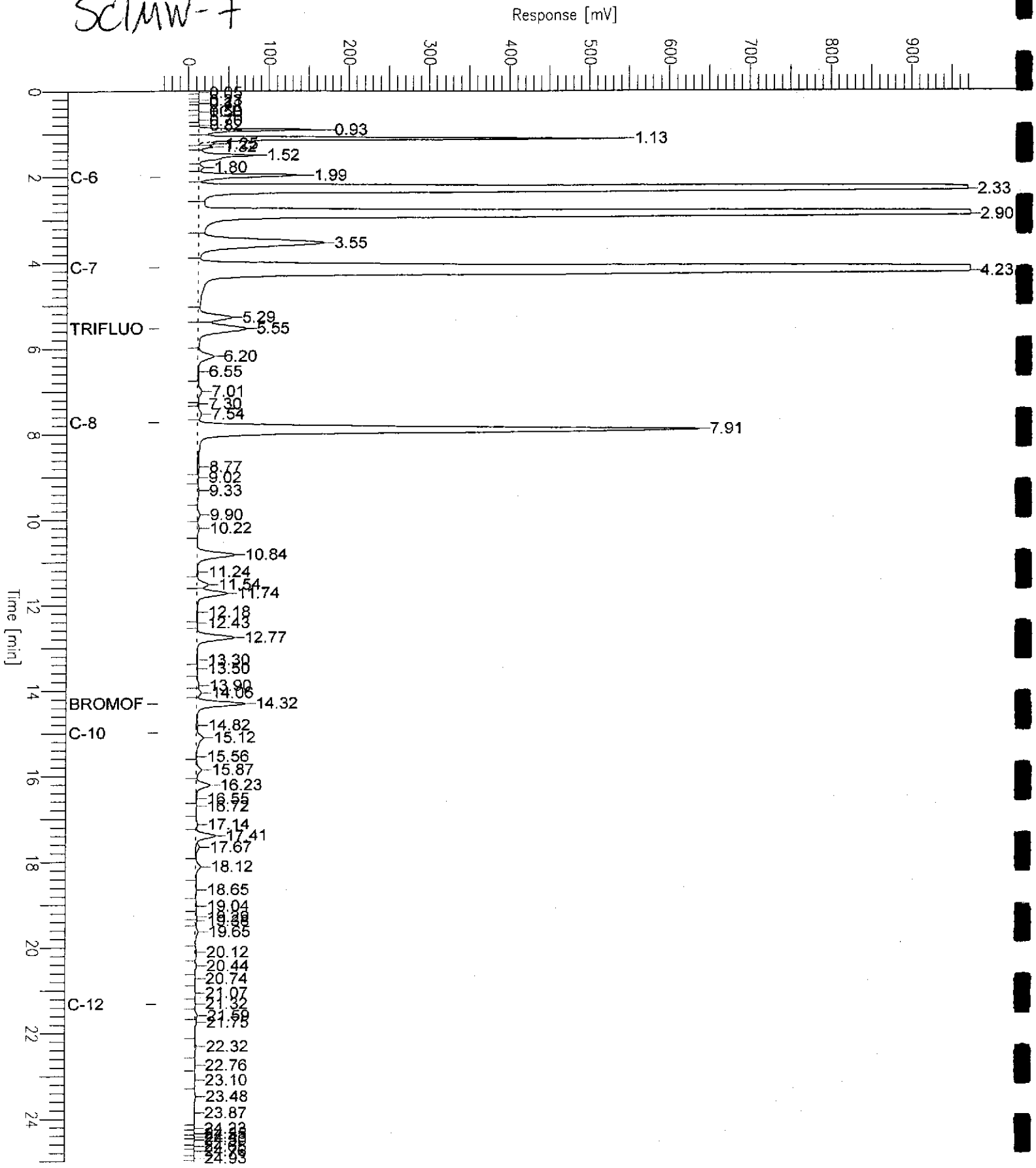
ND= Not Detected
RL= Reporting Limit

Chromatogram

Sample Name : 175120-001,95209
FileName : G:\GC05\DATA\280G016.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: -35 mV

Sample #: b7
Date : 10/6/04 08:11 PM
Time of Injection: 10/6/04 07:46 PM
Low Point : -35.06 mV High Point : 972.79 mV
Plot Scale: 1007.9 mV

SCIMW-7

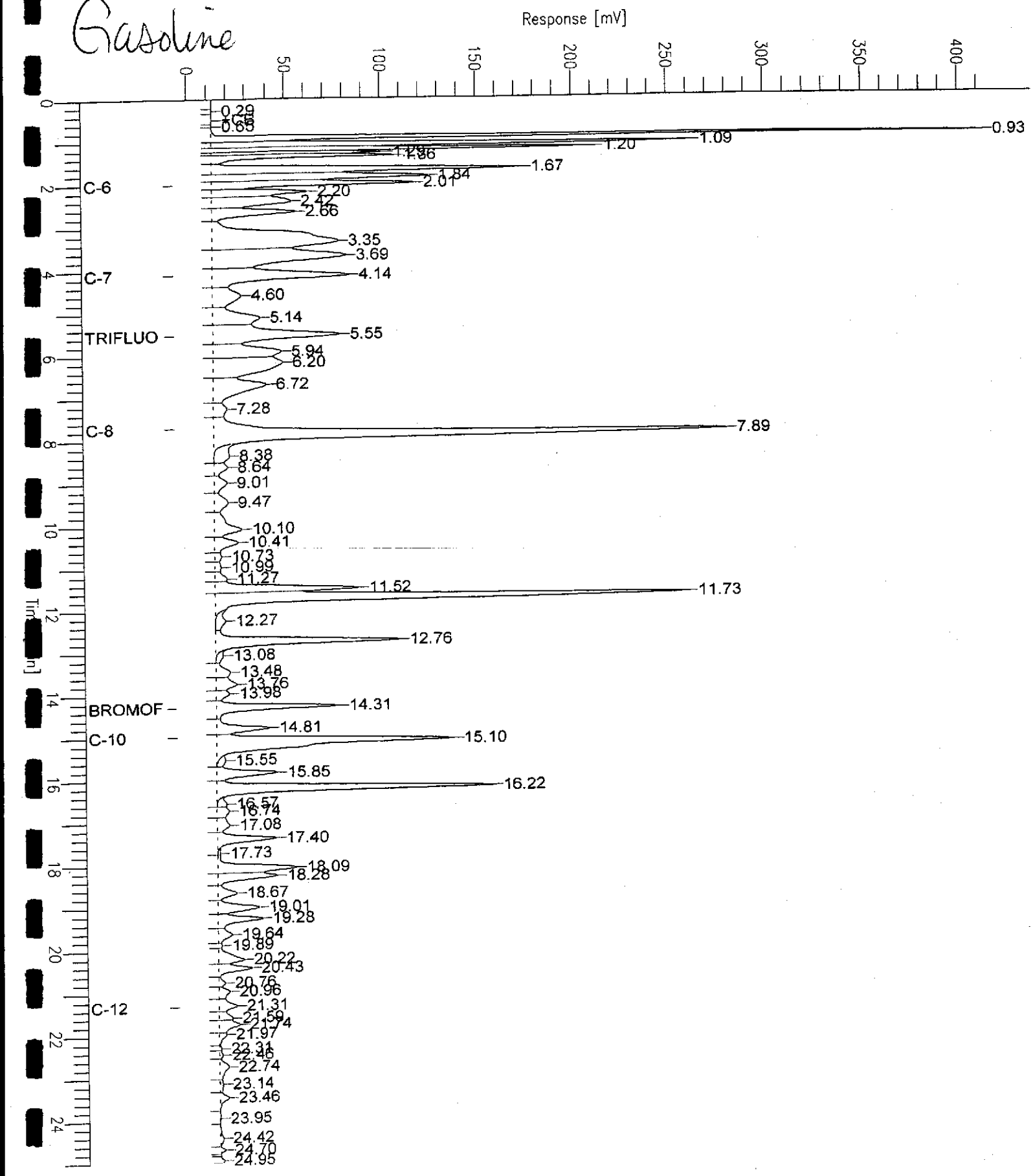


Chromatogram

Sample Name : ccv/lcs,qc267157,95241,04ws1816,5/5000
File Name : G:\GC05\DATA\281G003.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor: 1.0 Plot Offset: -7 mV

Sample #:
Date : 10/7/04 10:56 AM
Time of Injection: 10/7/04 10:31 AM
Low Point : -7.15 mV High Point : 413.24 mV
Plot Scale: 420.4 mV

Gasoline



Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023		
Matrix:	Water	Sampled:	10/06/04
Units:	ug/L	Received:	10/06/04

Type: BLANK
Lab ID: QC267023
Diln Fac: 1.000

Batch#: 95209
Analyzed: 10/06/04

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	84	70-141	EPA 8015B
Bromofluorobenzene (FID)	87	80-143	EPA 8015B
Trifluorotoluene (PID)	86	59-133	EPA 8021B
Bromofluorobenzene (PID)	89	76-128	EPA 8021B

Type: BLANK
Lab ID: QC267155
Diln Fac: 1.000

Batch#: 95241
Analyzed: 10/07/04

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	83	70-141	EPA 8015B
Bromofluorobenzene (FID)	85	80-143	EPA 8015B
Trifluorotoluene (PID)	80	59-133	EPA 8021B
Bromofluorobenzene (PID)	85	76-128	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

atch QC Report

Curtis & Tompkins Laboratories Analytical Report

ab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8021B
ype:	LCS	Diln Fac:	1.000
ab ID:	QC267024	Batch#:	95209
Matrix:	Water	Analyzed:	10/06/04
nits:	ug/L		

Analyte	Spiked	Result	%REC	Limits
enzene	20.00	20.87	104	80-120
oluene	20.00	22.00	110	80-120
Ethylbenzene	20.00	21.55	108	80-120
m,p-Xylenes	20.00	20.57	103	80-120
-Xylene	20.00	22.77	114	80-120

Surrogate	%REC	Limits
rifluorotoluene (PID)	98	59-133
romofluorobenzene (PID)	103	76-128

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC267025	Batch#:	95209
Matrix:	Water	Analyzed:	10/06/04
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,753	88	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	116	70-141
Bromofluorobenzene (FID)	93	80-143

Curtis & Tompkins, Ltd.

atch QC Report

Curtis & Tompkins Laboratories Analytical Report

ab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8021B
ype:	BS	Diln Fac:	1.000
ab ID:	QC267156	Batch#:	95241
Matrix:	Water	Analyzed:	10/07/04
nits:	ug/L		

Analyte	Spiked	Result	%REC	Limits
enzene	20.00	20.83	104	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	86	59-133
romofluorobenzene (PID)	88	76-128

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8021B
Type:	BSD	Diln Fac:	1.000
Lab ID:	QC267237	Batch#:	95241
Matrix:	Water	Analyzed:	10/07/04
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	20.00	20.88	104	80-120	0	20

Surrogate	%REC	Limits
Trifluorotoluene (PID)	86	59-133
Bromofluorobenzene (PID)	90	76-128

RPD= Relative Percent Difference

8.0

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC267157	Batch#:	95241
Matrix:	Water	Analyzed:	10/07/04
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,965	98	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	120	70-141
Bromofluorobenzene (FID)	102	80-143

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	95209
MSS Lab ID:	175094-007	Sampled:	10/05/04
Matrix:	Water	Received:	10/05/04
Units:	ug/L	Analyzed:	10/06/04
Diln Fac:	1.000		

Type: MS Lab ID: QC267026

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.38	2,000	1,299	64 *	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	70-141
Bromofluorobenzene (FID)	92	80-143

Type: MSD Lab ID: QC267027

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,453	72 *	80-120	11	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	112	70-141
Bromofluorobenzene (FID)	99	80-143

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

Curtis & Tompkins, Ltd.

atch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	95241
MSS Lab ID:	175127-001	Sampled:	10/07/04
Matrix:	Water	Received:	10/07/04
Units:	ug/L	Analyzed:	10/07/04
Diln Fac:	1.000		

Type: MS Lab ID: QC267265

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	16.78	2,000	1,775	88	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	70-141
Bromofluorobenzene (FID)	97	80-143

Type: MSD Lab ID: QC267266

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,767	88	80-120	0	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	120	70-141
Bromofluorobenzene (FID)	97	80-143

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 3520C
Project#:	133.023	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	10/06/04
Units:	ug/L	Received:	10/06/04
Diln Fac:	1.000	Prepared:	10/13/04
Batch#:	95447	Analyzed:	10/14/04

Field ID: SCIMW-7 Lab ID: 175120-001
Type: SAMPLE Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	102	53-143

Field ID: SCIMW-8 Lab ID: 175120-002
Type: SAMPLE Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	93	53-143

Field ID: SCIMW-28 Lab ID: 175120-003
Type: SAMPLE Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	93	53-143

Field ID: SCIMW-29 Lab ID: 175120-004
Type: SAMPLE Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	80	53-143

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 3520C
Project#:	133.023	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	10/06/04
Units:	ug/L	Received:	10/06/04
Diln Fac:	1.000	Prepared:	10/13/04
Batch#:	95447	Analyzed:	10/14/04

Field ID: SCIMW-33 Lab ID: 175120-006
Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	260 Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	103	53-143

Field ID: SCIMW-34 Lab ID: 175120-007
Type: SAMPLE Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	96	53-143

Field ID: SCIMW-35 Lab ID: 175120-008
Type: SAMPLE Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	82	53-143

Type: BLANK Cleanup Method: EPA 3630C
Lab ID: QC268024

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

Surrogate	%REC	Limits
Hexacosane	93	53-143

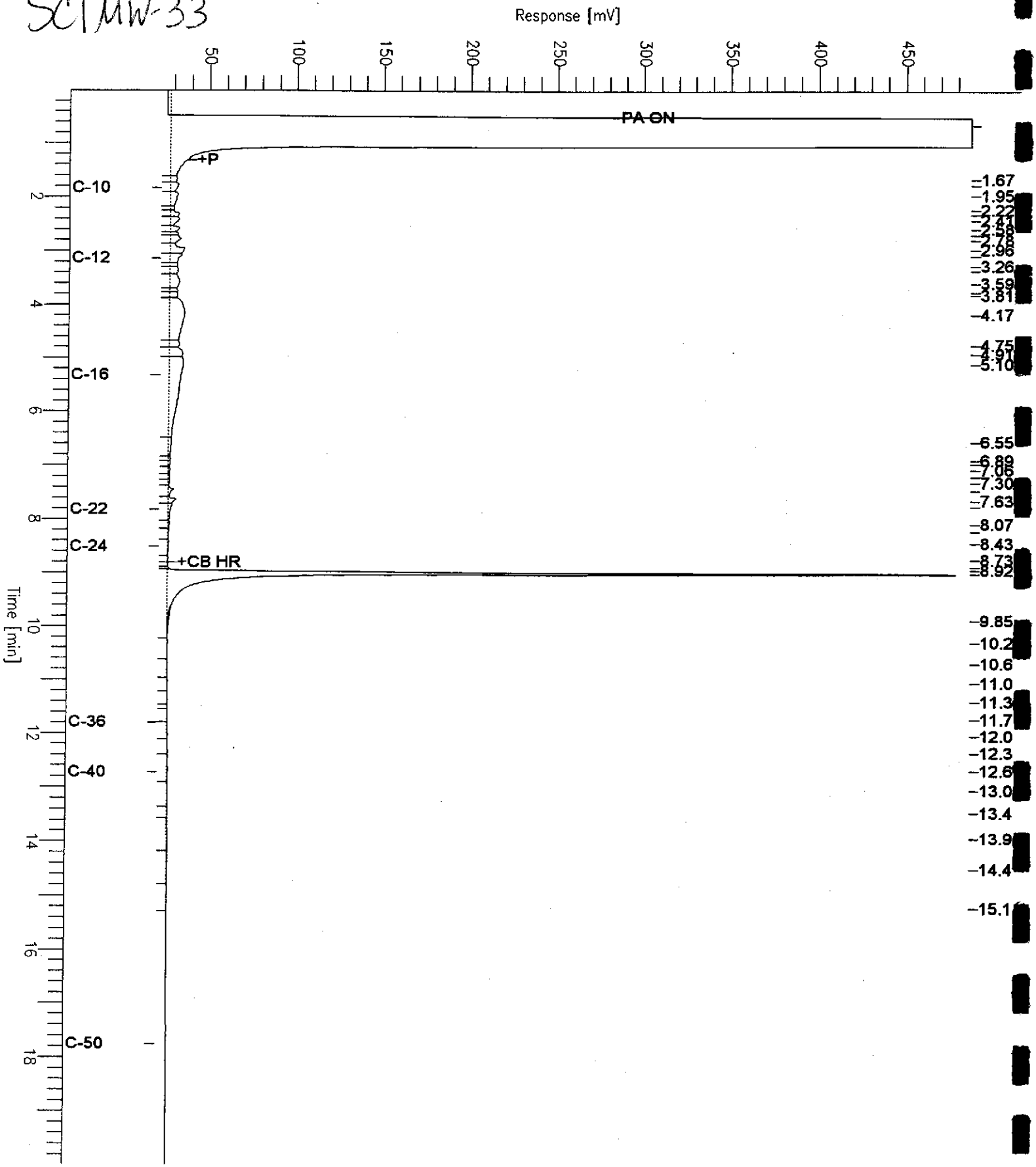
Y Sample exhibits chromatographic pattern which does not resemble standard
ND Not Detected
RL Reporting Limit

Chromatogram

Sample Name : 175120-006sg,95447
FileName : G:\GC17\CHA\288A014.RAW
Method : ATEH284.MTH
Start Time : 0.01 min End Time : 19.99 min
Scale Factor: 0.0 Plot Offset: 22 mV

Sample #: 95447 Page 1 of 1
Date : 10/15/04 09:08 AM
Time of Injection: 10/14/04 07:15 PM
Low Point : 22.37 mV High Point : 487.35 mV
Plot Scale: 465.0 mV

SC1MW-33



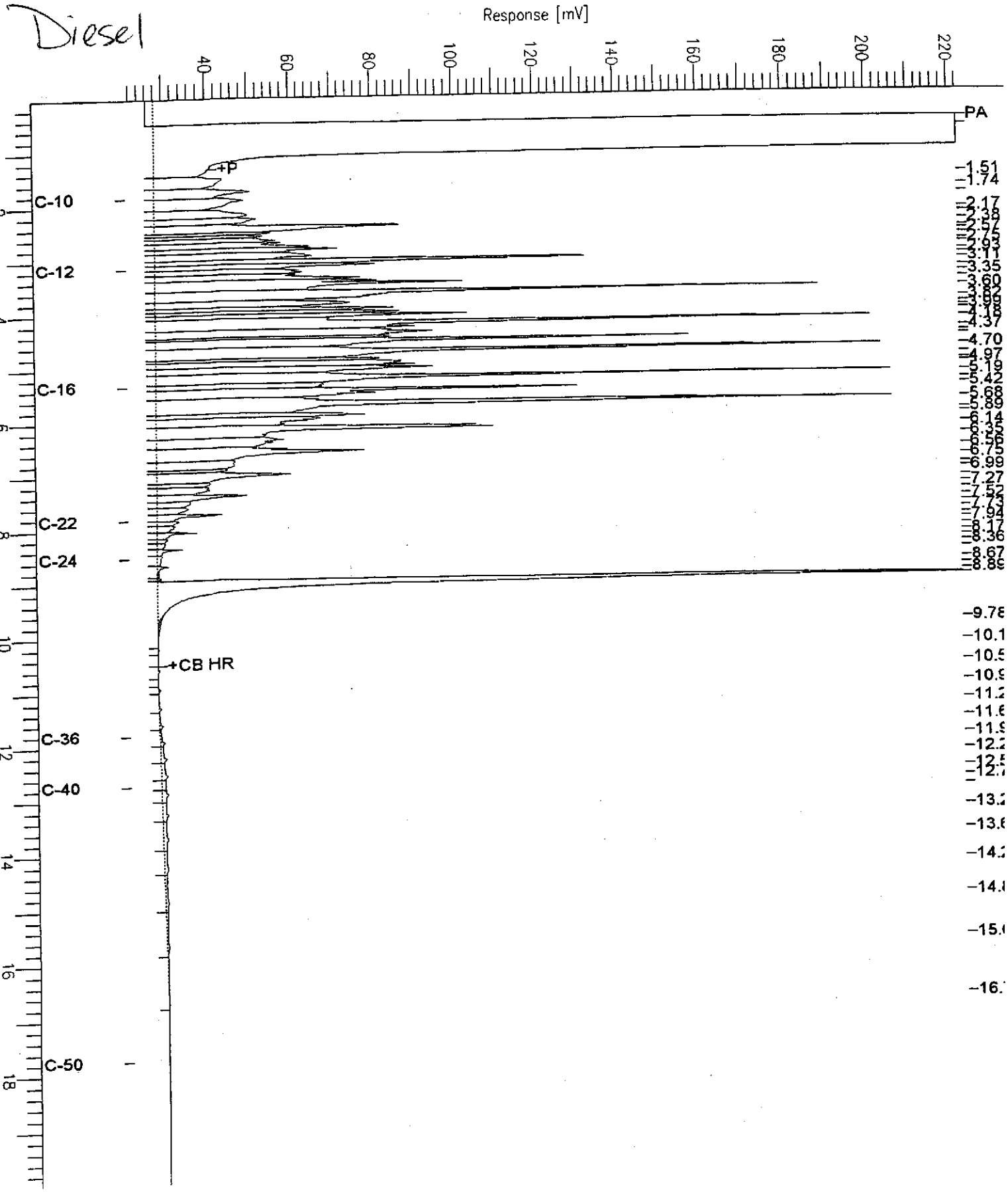
Chromatogram

[redacted]ple Name : ccv,04ws1621,dsl
[redacted]leName : G:\GC17\CHA\288A003.RAW
Method : ATEH284.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 19.99 min
Plot Offset: 21 mV

Sample #: 500mg/L
Date : 10/14/04 11:46 AM
Time of Injection: 10/14/04 11:23 AM
Low Point : 21.18 mV
High Point : 222.30 mV
Plot Scale: 201.1 mV

Diesel



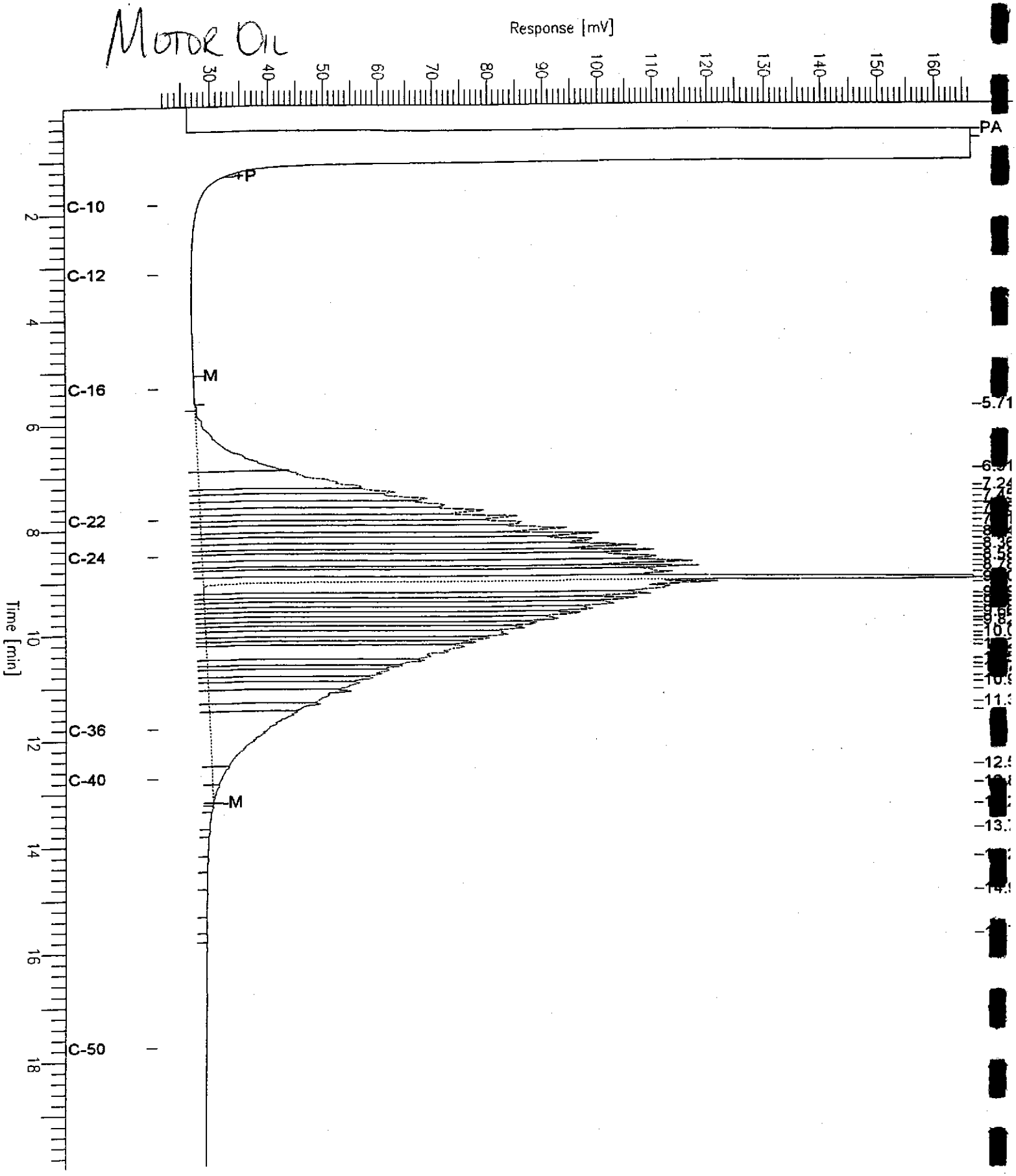
Chromatogram

Sample Name : ccv,04ws1793,mo
FileName : G:\GC17\CHA\288A004.RAW
Method : ATEH284.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 19.99 min
Plot Offset: 21 mV

Sample #: 500mg/L
Date : 10/14/04 12:17 PM
Time of Injection: 10/14/04 11:51 AM
Low Point : 21.16 mV
Plot Scale: 145.3 mV

Motor Oil



Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 3520C
Project#:	133.023	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC268025	Batch#:	95447
Matrix:	Water	Prepared:	10/13/04
Units:	ug/L	Analyzed:	10/14/04

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,362	94	51-131

Surrogate	%REC	Limits
Hexacosane	97	53-143

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 3520C
Project#:	133.023	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	95447
MSS Lab ID:	175094-007	Sampled:	10/05/04
Matrix:	Water	Received:	10/05/04
Units:	ug/L	Prepared:	10/13/04
Diln Fac:	1.000	Analyzed:	10/14/04

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC268026

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	<33.00	2,500	2,623	105	38-128

Surrogate	%REC	Limits
Hexacosane	100	53-143

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC268027

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,249	90	38-128	15	45

Surrogate	%REC	Limits
Hexacosane	87	53-143

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Field ID:	SCIMW-7	Batch#:	95340
Lab ID:	175120-001	Sampled:	10/06/04
Matrix:	Water	Received:	10/06/04
Units:	ug/L	Analyzed:	10/11/04
Dil Fac:	71.43		

Analyte	Result	RL
Freon 12	ND	710
Chloromethane	ND	710
Vinyl Chloride	1,900	710
Bromomethane	ND	710
Chloroethane	1,200	710
Trichlorofluoromethane	ND	360
Acetone	ND	1,400
Freon 113	ND	360
1,1-Dichloroethene	ND	360
Methylene Chloride	ND	1,400
Carbon Disulfide	ND	360
MTBE	ND	360
trans-1,2-Dichloroethene	ND	360
Vinyl Acetate	ND	3,600
1,1-Dichloroethane	4,800	360
2-Butanone	ND	710
cis-1,2-Dichloroethene	5,600	360
2,2-Dichloropropane	ND	360
Chloroform	ND	360
Bromochloromethane	ND	710
1,1,1-Trichloroethane	580	360
1,1-Dichloropropene	ND	360
Carbon Tetrachloride	ND	360
1,2-Dichloroethane	ND	360
Benzene	1,700	360
Trichloroethene	ND	360
1,2-Dichloropropane	ND	360
Bromodichloromethane	ND	360
Dibromomethane	ND	360
4-Methyl-2-Pentanone	ND	710
cis-1,3-Dichloropropene	ND	360
Toluene	380	360
trans-1,3-Dichloropropene	ND	360
1,1,2-Trichloroethane	ND	360
2-Hexanone	ND	710
1,3-Dichloropropane	ND	360
Tetrachloroethene	ND	360

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Field ID:	SCIMW-7	Batch#:	95340
Lab ID:	175120-001	Sampled:	10/06/04
Matrix:	Water	Received:	10/06/04
Units:	ug/L	Analyzed:	10/11/04
Diln Fac:	71.43		

Analyte	Result	RL
Dibromochloromethane	ND	360
1,2-Dibromoethane	ND	360
Chlorobenzene	ND	360
1,1,1,2-Tetrachloroethane	ND	360
Ethylbenzene	ND	360
m,p-Xylenes	ND	360
o-Xylene	ND	360
Styrene	ND	360
Bromoform	ND	360
Isopropylbenzene	ND	360
1,1,2,2-Tetrachloroethane	ND	360
1,2,3-Trichloropropane	ND	360
Propylbenzene	ND	360
Bromobenzene	ND	360
1,3,5-Trimethylbenzene	ND	360
2-Chlorotoluene	ND	360
4-Chlorotoluene	ND	360
tert-Butylbenzene	ND	360
1,2,4-Trimethylbenzene	ND	360
sec-Butylbenzene	ND	360
para-Isopropyl Toluene	ND	360
1,3-Dichlorobenzene	ND	360
1,4-Dichlorobenzene	ND	360
n-Butylbenzene	ND	360
1,2-Dichlorobenzene	ND	360
1,2-Dibromo-3-Chloropropane	ND	360
1,2,4-Trichlorobenzene	ND	360
Hexachlorobutadiene	ND	360
Naphthalene	ND	360
1,2,3-Trichlorobenzene	ND	360

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-120
1,2-Dichloroethane-d4	103	80-120
Toluene-d8	102	80-120
Bromofluorobenzene	106	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Field ID:	SCIMW-28	Batch#:	95340
Lab ID:	175120-003	Sampled:	10/06/04
Matrix:	Water	Received:	10/06/04
Units:	ug/L	Analyzed:	10/11/04
Dln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	10
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
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	10
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	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
Dibromomethane	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
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

11.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Field ID:	SCIMW-28	Batch#:	95340
Lab ID:	175120-003	Sampled:	10/06/04
Matrix:	Water	Received:	10/06/04
Units:	ug/L	Analyzed:	10/11/04
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	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
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	114	80-120
1,2-Dichloroethane-d4	112	80-120
Toluene-d8	103	80-120
Bromofluorobenzene	110	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Field ID:	SCIMW-32	Batch#:	95340
Lab ID:	175120-005	Sampled:	10/06/04
Matrix:	Water	Received:	10/06/04
Units:	ug/L	Analyzed:	10/11/04
Dil'n Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	10
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
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	10
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	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
Dibromomethane	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
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

12.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Field ID:	SCIMW-32	Batch#:	95340
Lab ID:	175120-005	Sampled:	10/06/04
Matrix:	Water	Received:	10/06/04
Units:	ug/L	Analyzed:	10/11/04
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	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
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	114	80-120
1,2-Dichloroethane-d4	108	80-120
Toluene-d8	101	80-120
Bromofluorobenzene	112	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Field ID:	SCIMW-33	Batch#:	95340
Lab ID:	175120-006	Sampled:	10/06/04
Matrix:	Water	Received:	10/06/04
Units:	ug/L	Analyzed:	10/11/04
Dil'n Fac:	2.500		

Analyte	Result	RL
Freon 12	ND	25
Chloromethane	ND	25
Vinyl Chloride	ND	25
Bromomethane	ND	25
Chloroethane	ND	25
Trichlorofluoromethane	ND	13
Acetone	ND	50
Freon 113	ND	13
1,1-Dichloroethene	ND	13
Methylene Chloride	ND	50
Carbon Disulfide	ND	13
MTBE	ND	13
trans-1,2-Dichloroethene	ND	13
Vinyl Acetate	ND	130
1,1-Dichloroethane	ND	13
2-Butanone	ND	25
cis-1,2-Dichloroethene	ND	13
2,2-Dichloropropane	ND	13
Chloroform	ND	13
Bromochloromethane	ND	25
1,1,1-Trichloroethane	ND	13
1,1-Dichloropropene	ND	13
Carbon Tetrachloride	ND	13
1,2-Dichloroethane	ND	13
Benzene	ND	13
Trichloroethene	ND	13
1,2-Dichloropropane	ND	13
Bromodichloromethane	ND	13
Dibromomethane	ND	13
4-Methyl-2-Pentanone	ND	25
cis-1,3-Dichloropropene	ND	13
Toluene	ND	13
trans-1,3-Dichloropropene	ND	13
1,1,2-Trichloroethane	ND	13
2-Hexanone	ND	25
1,3-Dichloropropane	ND	13
Tetrachloroethene	ND	13

ND Not Detected
RL Reporting Limit

13.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Field ID:	SCIMW-33	Batch#:	95340
Lab ID:	175120-006	Sampled:	10/06/04
Matrix:	Water	Received:	10/06/04
Units:	ug/L	Analyzed:	10/11/04
Diln Fac:	2.500		

Analyte	Result	RL
Dibromochloromethane	ND	13
1,2-Dibromoethane	ND	13
Chlorobenzene	140	13
1,1,1,2-Tetrachloroethane	ND	13
Ethylbenzene	ND	13
m,p-Xylenes	22	13
o-Xylene	ND	13
Styrene	ND	13
Bromoform	ND	13
Isopropylbenzene	ND	13
1,1,2,2-Tetrachloroethane	ND	13
1,2,3-Trichloropropane	ND	13
Propylbenzene	ND	13
Bromobenzene	ND	13
1,3,5-Trimethylbenzene	ND	13
2-Chlorotoluene	ND	13
4-Chlorotoluene	ND	13
tert-Butylbenzene	ND	13
1,2,4-Trimethylbenzene	ND	13
sec-Butylbenzene	ND	13
para-Isopropyl Toluene	ND	13
1,3-Dichlorobenzene	ND	13
1,4-Dichlorobenzene	ND	13
n-Butylbenzene	ND	13
1,2-Dichlorobenzene	ND	13
1,2-Dibromo-3-Chloropropane	ND	13
1,2,4-Trichlorobenzene	ND	13
Hexachlorobutadiene	ND	13
Naphthalene	ND	13
1,2,3-Trichlorobenzene	ND	13

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-120
1,2-Dichloroethane-d4	106	80-120
Toluene-d8	103	80-120
Bromofluorobenzene	107	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Field ID:	SCIMW-7 DUP	Batch#:	95379
Lab ID:	175120-009	Sampled:	10/06/04
Matrix:	Water	Received:	10/06/04
Units:	ug/L	Analyzed:	10/12/04
Diln Fac:	71.43		

Analyte	Result	RL
Freon 12	ND	710
Chloromethane	ND	710
Vinyl Chloride	1,300	710
Bromomethane	ND	710
Chloroethane	970	710
Trichlorofluoromethane	ND	360
Acetone	ND	1,400
Freon 113	ND	360
1,1-Dichloroethene	ND	360
Methylene Chloride	ND	1,400
Carbon Disulfide	ND	360
MTBE	ND	360
trans-1,2-Dichloroethene	ND	360
Vinyl Acetate	ND	3,600
1,1-Dichloroethane	3,900	360
2-Butanone	ND	710
cis-1,2-Dichloroethene	4,800	360
2,2-Dichloropropane	ND	360
Chloroform	ND	360
Bromochloromethane	ND	710
1,1,1-Trichloroethane	530	360
1,1-Dichloropropene	ND	360
Carbon Tetrachloride	ND	360
1,2-Dichloroethane	ND	360
Benzene	1,400	360
Trichloroethene	ND	360
1,2-Dichloropropane	ND	360
Bromodichloromethane	ND	360
Dibromomethane	ND	360
4-Methyl-2-Pentanone	ND	710
cis-1,3-Dichloropropene	ND	360
Toluene	ND	360
trans-1,3-Dichloropropene	ND	360
1,1,2-Trichloroethane	ND	360
2-Hexanone	ND	710
1,3-Dichloropropane	ND	360
Tetrachloroethene	ND	360

ND Not Detected
RL Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Field ID:	SCIMW-7 DUP	Batch#:	95379
Lab ID:	175120-009	Sampled:	10/06/04
Matrix:	Water	Received:	10/06/04
Units:	ug/L	Analyzed:	10/12/04
Diln Fac:	71.43		

Analyte	Result	RL
Dibromochloromethane	ND	360
1,2-Dibromoethane	ND	360
Chlorobenzene	ND	360
1,1,1,2-Tetrachloroethane	ND	360
Ethylbenzene	ND	360
m,p-Xylenes	ND	360
o-Xylene	ND	360
Styrene	ND	360
Bromoform	ND	360
Isopropylbenzene	ND	360
1,1,2,2-Tetrachloroethane	ND	360
1,2,3-Trichloropropane	ND	360
Propylbenzene	ND	360
Bromobenzene	ND	360
1,3,5-Trimethylbenzene	ND	360
2-Chlorotoluene	ND	360
4-Chlorotoluene	ND	360
tert-Butylbenzene	ND	360
1,2,4-Trimethylbenzene	ND	360
sec-Butylbenzene	ND	360
para-Isopropyl Toluene	ND	360
1,3-Dichlorobenzene	ND	360
1,4-Dichlorobenzene	ND	360
n-Butylbenzene	ND	360
1,2-Dichlorobenzene	ND	360
1,2-Dibromo-3-Chloropropane	ND	360
1,2,4-Trichlorobenzene	ND	360
Hexachlorobutadiene	ND	360
Naphthalene	ND	360
1,2,3-Trichlorobenzene	ND	360

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-120
1,2-Dichloroethane-d4	108	80-120
Toluene-d8	97	80-120
Bromofluorobenzene	104	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC267555	Batch#:	95340
Matrix:	Water	Analyzed:	10/11/04
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	10
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
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	10
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	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
Dibromomethane	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
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

15.0

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC267555	Batch#:	95340
Matrix:	Water	Analyzed:	10/11/04
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	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
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-120
1,2-Dichloroethane-d4	103	80-120
Toluene-d8	100	80-120
Bromofluorobenzene	106	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC267729	Batch#:	95379
Matrix:	Water	Analyzed:	10/12/04
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	10
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
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	10
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	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
Dibromomethane	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
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC267729	Batch#:	95379
Matrix:	Water	Analyzed:	10/12/04
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	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
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-120
1,2-Dichloroethane-d4	98	80-120
Toluene-d8	94	80-120
Bromofluorobenzene	103	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	95340
Units:	ug/L	Analyzed:	10/11/04
Diln Fac:	1.000		

Type: BS Lab ID: QC267553

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	54.43	109	75-120
Benzene	50.00	52.80	106	79-120
Trichloroethene	50.00	52.68	105	79-120
Toluene	50.00	52.59	105	80-120
Chlorobenzene	50.00	52.66	105	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-120
1,2-Dichloroethane-d4	101	80-120
Toluene-d8	99	80-120
Bromofluorobenzene	102	80-122

Type: BSD Lab ID: QC267554

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	49.96	100	75-120	9	20
Benzene	50.00	49.64	99	79-120	6	20
Trichloroethene	50.00	47.42	95	79-120	11	20
Toluene	50.00	49.84	100	80-120	5	20
Chlorobenzene	50.00	48.17	96	80-120	9	20

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-120
1,2-Dichloroethane-d4	103	80-120
Toluene-d8	102	80-120
Bromofluorobenzene	103	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	95340
MSS Lab ID:	175094-007	Sampled:	10/05/04
Matrix:	Water	Received:	10/05/04
Units:	ug/L	Analyzed:	10/11/04
Diln Fac:	1.000		

Type: MS Lab ID: QC267637

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.1400	50.00	57.14	114	67-120
Benzene	<0.2000	50.00	52.22	104	77-120
Trichloroethene	<0.1600	50.00	49.93	100	69-120
Toluene	<0.2100	50.00	53.34	107	72-120
Chlorobenzene	<0.2200	50.00	50.65	101	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-120
1,2-Dichloroethane-d4	106	80-120
Toluene-d8	103	80-120
Bromofluorobenzene	106	80-122

Type: MSD Lab ID: QC267638

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	56.17	112	67-120	2	20
Benzene	50.00	52.82	106	77-120	1	20
Trichloroethene	50.00	50.87	102	69-120	2	20
Toluene	50.00	52.93	106	72-120	1	20
Chlorobenzene	50.00	51.13	102	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-120
1,2-Dichloroethane-d4	104	80-120
Toluene-d8	102	80-120
Bromofluorobenzene	106	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 5030B
Project#:	133.023	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	95379
Units:	ug/L	Analyzed:	10/12/04
Diln Fac:	1.000		

Type: BS Lab ID: QC267727

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	47.59	95	75-120
Benzene	50.00	47.81	96	79-120
Trichloroethene	50.00	44.90	90	79-120
Toluene	50.00	45.21	90	80-120
Chlorobenzene	50.00	47.99	96	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	93	80-120
Toluene-d8	96	80-120
Bromofluorobenzene	100	80-122

Type: BSD Lab ID: QC267728

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	46.70	93	75-120	2	20
Benzene	50.00	45.15	90	79-120	6	20
Trichloroethene	50.00	44.07	88	79-120	2	20
Toluene	50.00	45.91	92	80-120	2	20
Chlorobenzene	50.00	47.52	95	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120
1,2-Dichloroethane-d4	96	80-120
Toluene-d8	97	80-120
Bromofluorobenzene	107	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 3520C
Project#:	133.023	Analysis:	EPA 8081A
Field ID:	SCIMW-7	Batch#:	95356
Lab ID:	175120-001	Sampled:	10/06/04
Matrix:	Water	Received:	10/06/04
Units:	ug/L	Prepared:	10/11/04
Diln Fac:	1.000	Analyzed:	10/19/04

Analyte	Result	RL
alpha-BHC	ND	0.05
beta-BHC	ND	0.05
gamma-BHC	ND	0.05
delta-BHC	ND	0.05
Heptachlor	ND	0.05
Aldrin	ND	0.05
Heptachlor epoxide	ND	0.05
Endosulfan I	ND	0.05
Dieldrin	ND	0.1
4,4'-DDE	ND	0.1
Endrin	ND	0.1
Endosulfan II	0.3	0.1
Endosulfan sulfate	ND	0.1
4,4'-DDD	1.0	0.1
Endrin aldehyde	ND	0.1
4,4'-DDT	ND	0.1
alpha-Chlordane	ND	0.05
gamma-Chlordane	ND	0.05
Methoxychlor	ND	0.5
Toxaphene	ND	1.0

Surrogate	%REC	Limits
TCMX	123 *	40-120
Decachlorobiphenyl	94	45-141

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 3520C
Project#:	133.023	Analysis:	EPA 8081A
Field ID:	SCIMW-33	Batch#:	95356
Lab ID:	175120-006	Sampled:	10/06/04
Matrix:	Water	Received:	10/06/04
Units:	ug/L	Prepared:	10/11/04
Dln Fac:	1.000	Analyzed:	10/19/04

Analyte	Result	RL
alpha-BHC	ND	0.05
beta-BHC	ND	0.05
gamma-BHC	ND	0.05
delta-BHC	ND	0.05
Heptachlor	ND	0.05
Aldrin	ND	0.05
Heptachlor epoxide	ND	0.05
Endosulfan I	ND	0.05
Dieldrin	ND	0.1
4,4'-DDE	ND	0.1
Endrin	ND	0.1
Endosulfan II	ND	0.1
Endosulfan sulfate	ND	0.1
4,4'-DDD	1.5	0.1
Endrin aldehyde	ND	0.1
4,4'-DDT	ND	0.1
alpha-Chlordane	ND	0.05
gamma-Chlordane	ND	0.05
Methoxychlor	ND	0.5
Toxaphene	ND	1.0

Surrogate	%REC	Limits
TCMX	97	40-120
Decachlorobiphenyl	90	45-141

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 3520C
Project#:	133.023	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC267623	Batch#:	95356
Matrix:	Water	Prepared:	10/11/04
Units:	ug/L	Analyzed:	10/12/04

Analyte	Result	RL
alpha-BHC	ND	0.05
beta-BHC	ND	0.05
gamma-BHC	ND	0.05
delta-BHC	ND	0.05
Heptachlor	ND	0.05
Aldrin	ND	0.05
Heptachlor epoxide	ND	0.05
Endosulfan I	ND	0.05
Dieldrin	ND	0.1
4,4'-DDE	ND	0.1
Endrin	ND	0.1
Endosulfan II	ND	0.1
Endosulfan sulfate	ND	0.1
4,4'-DDD	ND	0.1
Endrin aldehyde	ND	0.1
4,4'-DDT	ND	0.1
alpha-Chlordane	ND	0.05
gamma-Chlordane	ND	0.05
Methoxychlor	ND	0.5
Toxaphene	ND	1.0

Surrogate	%REC	Limits
TCMX	76	40-120
Decachlorobiphenyl	87	45-141

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 3520C
Project#:	133.023	Analysis:	EPA 8081A
Matrix:	Water	Batch#:	95356
Units:	ug/L	Prepared:	10/11/04
Diln Fac:	1.000	Analyzed:	10/12/04

Type: BS Lab ID: QC267624

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	0.2500	0.2214	89	60-144
Heptachlor	0.2500	0.2142	86	53-153
Aldrin	0.2500	0.2090	84	59-120
Dieldrin	0.2500	0.2136	85	59-125
Endrin	0.2500	0.2363	95	58-142
4,4'-DDT	0.2500	0.2158	86	51-155

Surrogate	%REC	Limits
TCMX	115	40-120
Decachlorobiphenyl	94	45-141

Type: BSD Lab ID: QC267625

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	0.2500	0.2454	98	60-144	10	29
Heptachlor	0.2500	0.2291	92	53-153	7	30
Aldrin	0.2500	0.2145	86	59-120	3	27
Dieldrin	0.2500	0.2316	93	59-125	8	27
Endrin	0.2500	0.2595	104	58-142	9	31
4,4'-DDT	0.2500	0.2313	93	51-155	7	36

Surrogate	%REC	Limits
TCMX	97	40-120
Decachlorobiphenyl	107	45-141

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	175120	Project#:	133.023
Client:	Fugro West, Inc.	Location:	9th Ave Terminal/POO(KOT)
Field ID:	SCIMW-28	Diln Fac:	1.000
Lab ID:	175120-003	Sampled:	10/06/04
Matrix:	Filtrate	Received:	10/06/04
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	60	95239	10/07/04	10/07/04	EPA 3010A	EPA 6010B
Arsenic	55	5.0	95239	10/07/04	10/07/04	EPA 3010A	EPA 6010B
Barium	33	10	95239	10/07/04	10/07/04	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	95239	10/07/04	10/07/04	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	95239	10/07/04	10/07/04	EPA 3010A	EPA 6010B
Chromium	ND	10	95239	10/07/04	10/07/04	EPA 3010A	EPA 6010B
Cobalt	ND	20	95239	10/07/04	10/07/04	EPA 3010A	EPA 6010B
Copper	ND	10	95239	10/07/04	10/07/04	EPA 3010A	EPA 6010B
Lead	ND	3.0	95239	10/07/04	10/07/04	EPA 3010A	EPA 6010B
Mercury	ND	0.20	95509	10/15/04	10/15/04	METHOD	EPA 7470A
Molybdenum	ND	20	95239	10/07/04	10/07/04	EPA 3010A	EPA 6010B
Nickel	ND	20	95239	10/07/04	10/07/04	EPA 3010A	EPA 6010B
Selenium	ND	5.0	95239	10/07/04	10/07/04	EPA 3010A	EPA 6010B
Silver	ND	5.0	95239	10/07/04	10/07/04	EPA 3010A	EPA 6010B
Thallium	ND	5.0	95239	10/07/04	10/07/04	EPA 3010A	EPA 6010B
Vanadium	33	10	95239	10/07/04	10/07/04	EPA 3010A	EPA 6010B
Zinc	ND	20	95239	10/07/04	10/07/04	EPA 3010A	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 3010A
Project#:	133.023	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC267146	Batch#:	95239
Matrix:	Filtrate	Prepared:	10/07/04
Units:	ug/L	Analyzed:	10/07/04

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.

Batch QC Report

California Title 26 Metals

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	METHOD
Project#:	133.023	Analysis:	EPA 7470A
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	95509
Lab ID:	QC268284	Prepared:	10/15/04
Matrix:	Filtrate	Analyzed:	10/15/04
Units:	ug/L		

Result	RL
ND	0.20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 3010A
Project#:	133.023	Analysis:	EPA 6010B
Matrix:	Filtrate	Batch#:	95239
Units:	ug/L	Prepared:	10/07/04
Diln Fac:	1.000	Analyzed:	10/07/04

Type: BS Lab ID: QC267147

Analyte	Spiked	Result	%REC	Limits
Antimony	500.0	520.0	104	74-124
Arsenic	100.0	108.0	108	69-133
Barium	2,000	1,980	99	80-120
Beryllium	50.00	51.90	104	80-120
Cadmium	50.00	51.20	102	80-120
Chromium	200.0	202.0	101	80-120
Cobalt	500.0	493.0	99	80-120
Copper	250.0	249.0	100	80-120
Lead	100.0	104.0	104	61-138
Molybdenum	400.0	398.0	100	80-120
Nickel	500.0	506.0	101	80-120
Selenium	100.0	107.0	107	59-136
Silver	50.00	52.00	104	80-120
Thallium	100.0	98.40	98	50-143
Vanadium	500.0	503.0	101	80-120
Zinc	500.0	532.0	106	80-120

Type: BSD Lab ID: QC267148

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	500.0	533.0	107	74-124	2	20
Arsenic	100.0	110.0	110	69-133	2	24
Barium	2,000	2,040	102	80-120	3	20
Beryllium	50.00	53.20	106	80-120	2	20
Cadmium	50.00	52.30	105	80-120	2	20
Chromium	200.0	207.0	104	80-120	2	20
Cobalt	500.0	505.0	101	80-120	2	20
Copper	250.0	255.0	102	80-120	2	20
Lead	100.0	105.0	105	61-138	1	28
Molybdenum	400.0	413.0	103	80-120	4	20
Nickel	500.0	521.0	104	80-120	3	20
Selenium	100.0	106.0	106	59-136	1	32
Silver	50.00	52.60	105	80-120	1	20
Thallium	100.0	99.70	100	50-143	1	31
Vanadium	500.0	514.0	103	80-120	2	20
Zinc	500.0	546.0	109	80-120	3	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 3010A
Project#:	133.023	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	95239
MSS Lab ID:	175069-007	Sampled:	10/04/04
Matrix:	Filtrate	Received:	10/04/04
Units:	ug/L	Prepared:	10/07/04
Diln Fac:	1.000	Analyzed:	10/07/04

Type: MS Lab ID: QC267149

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	<3.700	500.0	568.0	114	65-134
Arsenic	9.970	100.0	118.0	108	58-148
Barium	67.00	2,000	1,910	92	73-120
Beryllium	<0.2500	50.00	47.40	95	76-120
Cadmium	<0.3400	50.00	46.40	93	69-123
Chromium	0.9790	200.0	186.0	93	73-120
Cobalt	7.150	500.0	472.0	93	72-120
Copper	3.490	250.0	260.0	103	75-120
Lead	<1.100	100.0	96.00	96	43-152
Molybdenum	7.760	400.0	402.0	99	72-120
Nickel	23.30	500.0	476.0	91	68-120
Selenium	<3.300	100.0	112.0	112	45-150
Silver	<1.300	50.00	53.50	107	62-125
Thallium	<3.500	100.0	97.30	97	29-154
Vanadium	0.7900	500.0	480.0	96	76-120
Zinc	17.20	500.0	552.0	107	74-122

Type: MSD Lab ID: QC267150

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	500.0	566.0	113	65-134	0	22
Arsenic	100.0	119.0	109	58-148	1	37
Barium	2,000	1,880	91	73-120	2	20
Beryllium	50.00	47.60	95	76-120	0	20
Cadmium	50.00	46.50	93	69-123	0	20
Chromium	200.0	186.0	93	73-120	0	20
Cobalt	500.0	473.0	93	72-120	0	20
Copper	250.0	259.0	102	75-120	0	20
Lead	100.0	95.90	96	43-152	0	36
Molybdenum	400.0	403.0	99	72-120	0	20
Nickel	500.0	477.0	91	68-120	0	20
Selenium	100.0	113.0	113	45-150	1	41
Silver	50.00	53.40	107	62-125	0	20
Thallium	100.0	95.90	96	29-154	1	50
Vanadium	500.0	479.0	96	76-120	0	20
Zinc	500.0	553.0	107	74-122	0	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	METHOD
Project#:	133.023	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	95509
Matrix:	Filtrate	Prepared:	10/15/04
Units:	ug/L	Analyzed:	10/15/04
Dil'n Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC268285	5.000	5.290	106	80-120		
BSD	QC268286	5.000	5.510	110	80-120	4	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	175120	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	METHOD
Project#:	133.023	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	95509
Field ID:	ZZZZZZZZZZ	Sampled:	10/05/04
MSS Lab ID:	175094-007	Received:	10/05/04
Matrix:	Filtrate	Prepared:	10/15/04
Units:	ug/L	Analyzed:	10/15/04
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC268287	<0.04600	5.000	4.920	98	76-121		
MSD	QC268288		5.000	4.910	98	76-121	0	20

RPD= Relative Percent Difference

175723

CHAIN OF CUSTODY

PROJECT NAME: 9th Avenue Terminal - Port of Oakland

POJECT NO.: 133.023 LAB: C&T

PROJECT CONTACT: Melissa L. Pleva TURNAROUND: Standard

SAMPLED BY: Melissa L. Pleva REQUESTED BY: Melissa L. Pleva

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX				CONTAINERS						PRESERVATIVE						SAMPLING DATE				NOTES	ANALYSIS REQUESTED									
		WATER	SOIL	AIR		VOA	LITER	PINT	TUBE			HCL	H_2SO_4	HNO_3	ICE	OTHER	NONE	MONTH	DAY	YEAR	TIME		TEHd, mo w/ silica gel (8015m)	TVHg, BTEX (8015m / 8020)	VOCs (8260 / 8040)	MTBE (8260)	Pesticides (8080)	Metals (EPA 6010/7000; filtered; Title 22)				
-1	MW-3	X					9								X			11	03	04	0750		X									

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Melissa L. Pleva	11/03/04 0830	Jack Ingram	11/03 0830

COMMENTS & NOTES:
VOAs are UNPRESERVED

Received: ☑ On ice ☑ Cold ☐ Ambient ☑ Intact

FUGRO WEST, INC.
1000 Broadway, Suite 200
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0137

g:\server migration\data\template\chain of custody Excel

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	175723	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 3520C
Project#:	133.023	Analysis:	EPA 8015B
Field ID:	MW-3	Sampled:	11/03/04
Matrix:	Water	Received:	11/03/04
Units:	ug/L	Prepared:	11/11/04
Diln Fac:	1.000	Analyzed:	11/12/04
Batch#:	96386		

Type: SAMPLE
Lab ID: 175723-001

Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	97	53-143

Type: BLANK
Lab ID: QC271871

Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	102	53-143

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	175723	Location:	9th Ave Terminal/POO(KOT)
Client:	Fugro West, Inc.	Prep:	EPA 3520C
Project#:	133.023	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	96386
Units:	ug/L	Prepared:	11/11/04
Diln Fac:	1.000	Analyzed:	11/12/04

Type: BS
Lab ID: QC271872
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,153	86	51-131

Surrogate	%REC	Limits
Hexacosane	97	53-143

Type: BSD
Lab ID: QC271873
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,362	94	51-131	9	42

Surrogate	%REC	Limits
Hexacosane	106	53-143

RPD= Relative Percent Difference

APPENDIX E
ACPWA DRILLING PERMIT

COUNTY OF ALAMEDA
PUBLIC WORKS AGENCY
399 Elmhurst Street • Hayward, CA 94544-1395
(510) 670-5480

September 23, 2004

Ms. Melissa Pleva
Furgro West, Inc
1000 Broadway, Suite 200
Oakland, CA 94607

RE: Drilling Permit Extension for No. W04-1011 located at 9th Ave Terminal (Port of Oakland), Oakland.

Dear Ms.Pleva:

Your drilling permit request for a earlier starting date on September 29, 2004 has been granted and will expire September 30, 2004 as requested for drilling permit application, W04-1011. All other previous condition of approval shall remain the same.

Within 60 days after September 30, 2004 a please submit a State Department of Water Resources (DWR 188 forms) to this office.

If you have any questions, please feel free to contact me at (510) 670-6633.

Sincerely,

James Yoo
Engineer-Scientist
Water Resources Section

JY:

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 James Yoo
FAX (510) 782-1939 www.acfcwcd.org

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 9th Avenue terminal
Port of Oakland
Oakland, California
(See attached maps)

CLIENT
Name Port of Oakland
Address PO Box 28413 Phone 510.627.1100
City Oakland, CA Zip 94604

APPLICANT
Name Fugro West / Melissa Pleva
Address 1000 Broadway Suite 200 Fax 510.268-0137
City Oakland, CA 94607 Phone 510.267.4459
Zip 94607

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	☐	General	☐
Water Supply	☐	Contamination	☐
Monitoring	☒	Well Destruction	☒

PROPOSED WATER SUPPLY WELL USE

New Domestic	☐	Replacement Domestic	☐
Municipal	☐	Irrigation	
Industrial	☐	Other	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Auger	☒
Cable	☐	Other	☐		

DRILLER'S NAME Fugro Geosciences, Inc
DRILLER'S LICENSE NO 657742013

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum
Casing Diameter 2 in Depth 18 ft
Surface Seal Depth 2 ft Owner's Well Number SC1MW-23

GEOTECHNICAL/CONTAMINATION PROJECTS
Number of Borings 3 Maximum
Hole Diameter 8 in Depth 18 ft.

STARTING DATE 9-30-04
COMPLETION DATE 9-30-04

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.
APPLICANT'S SIGNATURE Melissa Pleva DATE 9.20.04
PLEASE PRINT NAME Melissa Pleva

Rev.5-11-04

FOR OFFICE USE
PERMIT NUMBER W04-1011
WELL NUMBER
APN

PERMIT CONDITIONS
Circled Permit Requirements Apply

A. GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie
2. Minimum seal depth is 50 feet for municipal and Industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL/CONTAMINATION
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two three feet replaced in kind or with compacted cuttings.

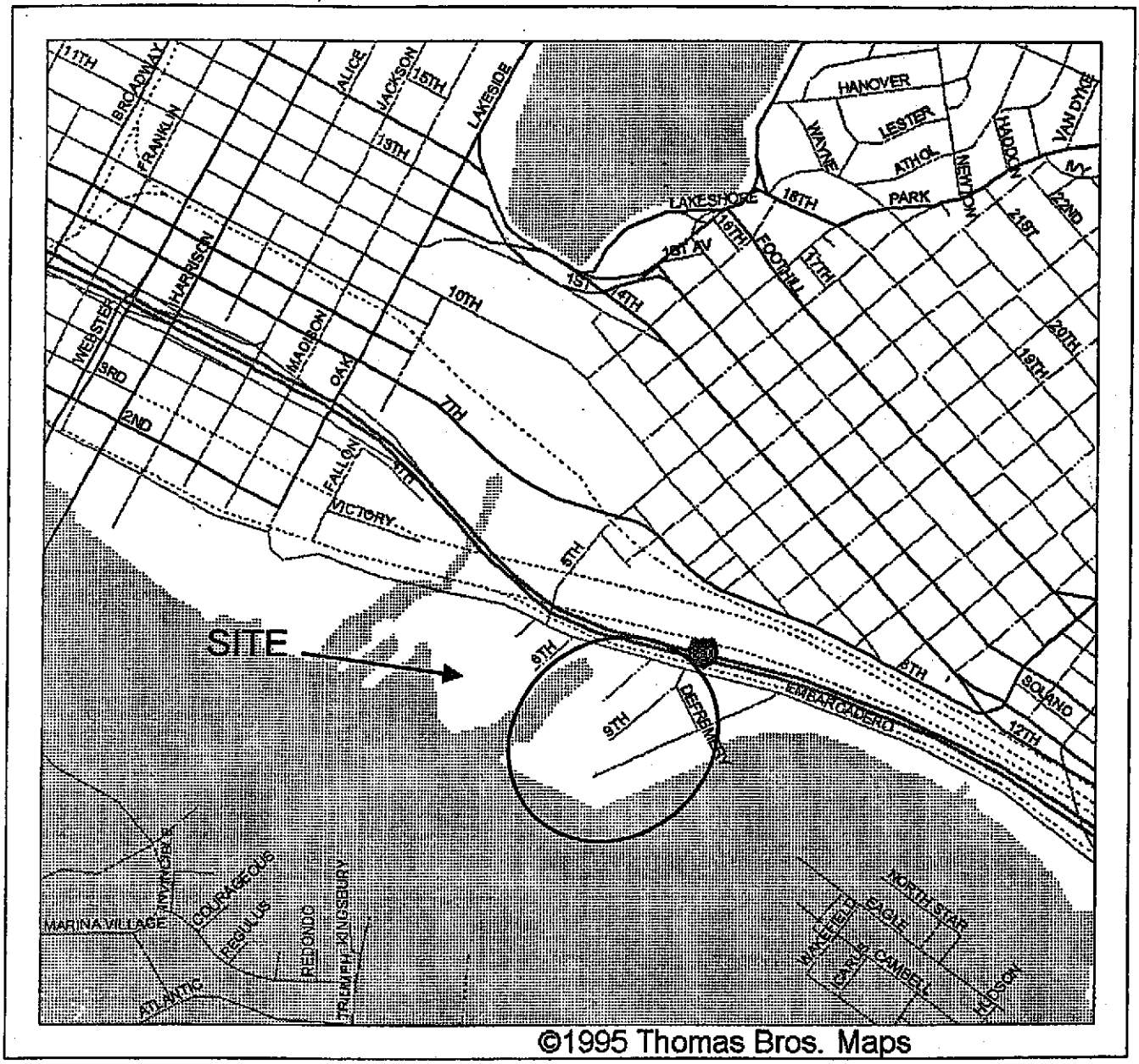
E. CATHODIC
Fill hole anode zone with concrete placed by tremie.

F. WELL DESTRUCTION -9641
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED [signature] DATE 9-2004



N

APPROXIMATE SCALE (feet)

0 1,400 2,800

SITE VICINITY MAP

Subsurface Consultants, Inc.
Geotechnical & Environmental Engineers

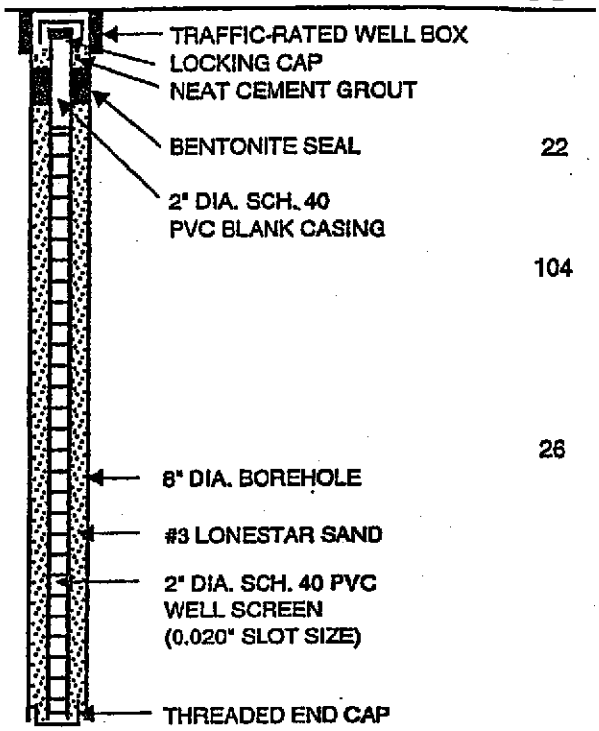
NINTH AVENUE TERMINAL STUDY AREA
OAKLAND, CALIFORNIA

JOB NUMBER	DATE	APPROVED
133.009	6/00	

PLATE 1

LOG OF TEST BORING SCIMW-23

EQUIPMENT 8" Dia. Hollow Stem Auger
DATE DRILLED 4/28/97
ELEVATION 9.74 Feet



MOISTURE CONTENT %	DRY DENSITY (PCF)	OVM (ppm)	DEPTH (feet)	SAMPLE	BLOWS PER FOOT
			0		
		22			22
			5		4
		104			
			10		2
		26			
			15		1
			20		
			25		
			30		
			35		
			40		

BROWN AND GRAY SANDY GRAVEL (GW)
medium dense, moist (fill)

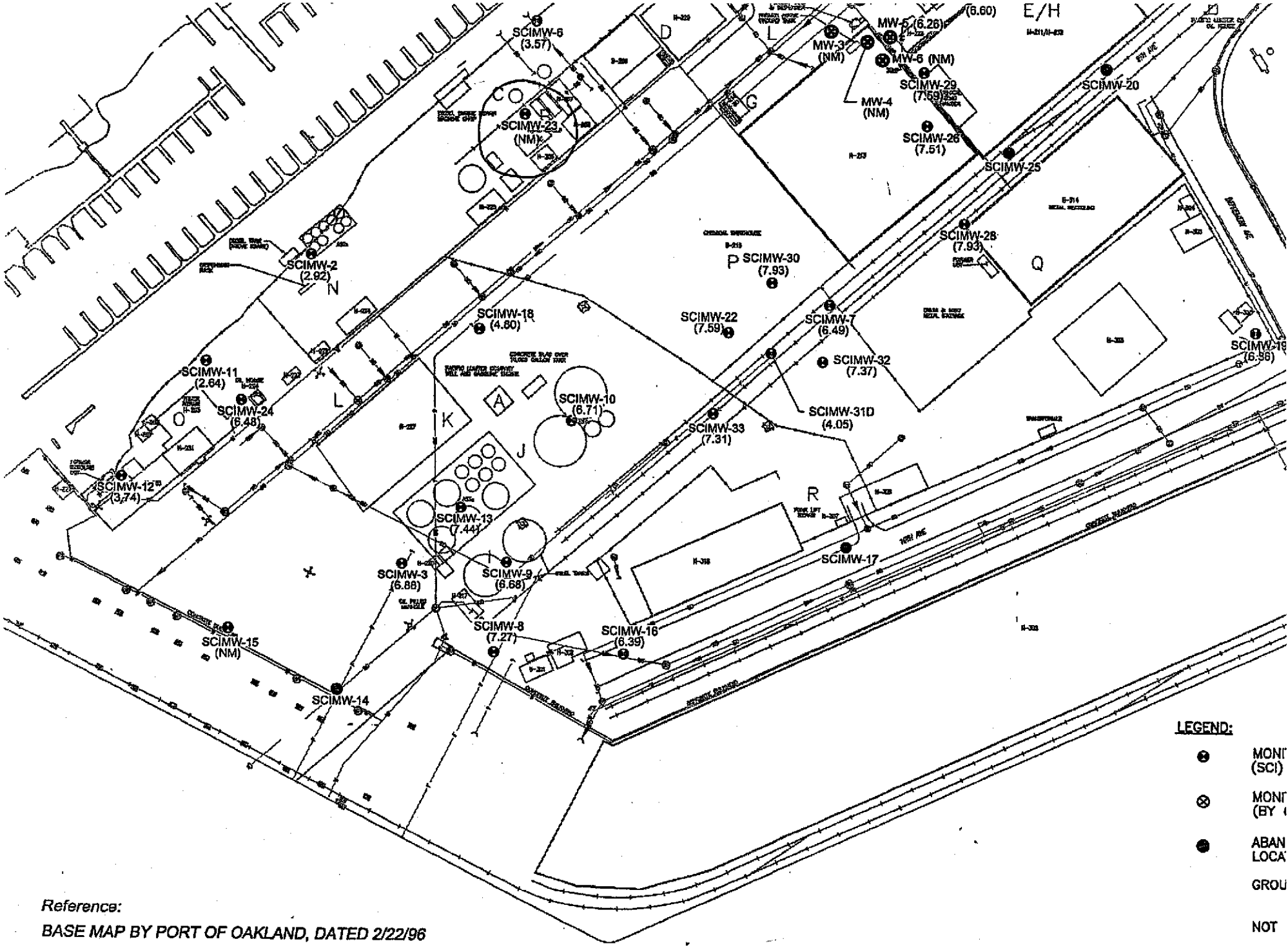
GROUNDWATER LEVEL AFTER DRILLING

BROWN SANDY CLAY (CL/SC)
medium stiff, moist, with gravel (fill)

GREEN-GRAY SANDY CLAY (CL)
soft, wet

GRAY CLAYEY SILT (ML/MH)
soft, wet, with organic-rich layers (Bay Mud)

Soil sample at 5.5' bgs submitted for analytical testing. Groundwater sample submitted for analytical testing.



Reference:

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

G:\jobdocs\133\133.018\Plates\B133.018.07_TEMP.dwg 1-29-04 01:16:21 PM flopez

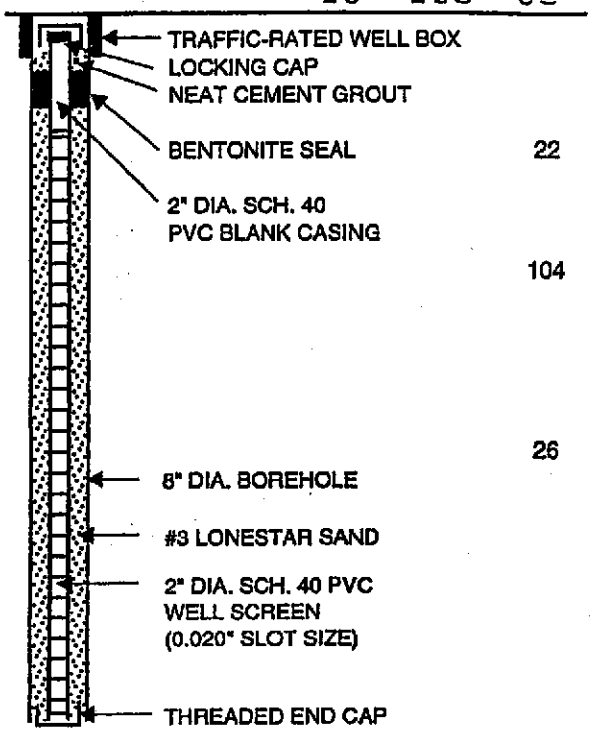
CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

LOG OF TEST BORING SCIMW-23

EQUIPMENT 8" Dia. Hollow Stem Auger
DATE DRILLED 4/28/97
ELEVATION 9.74 Feet



MOISTURE CONTENT %	DRY DENSITY (PCF)	OVM (ppm)	DEPTH (feet)	SAMPLE	BLOWS PER FOOT	
			0			BROWN AND GRAY SANDY GRAVEL (GW) medium dense, moist (fill)
		22			22	
					▼	GROUNDWATER LEVEL AFTER DRILLING
			5		4	BROWN SANDY CLAY (CL/SC) medium stiff, moist, with gravel (fill)
		104				GREEN-GRAY SANDY CLAY (CL) soft, wet
			10		2	GRAY CLAYEY SILT (ML/MH) soft, wet, with organic-rich layers (Bay Mud)
		26				
			15		1	
			20			
			25			
			30			
			35			
			40			

Soil sample at 5.5' bgs submitted for analytical testing. Groundwater sample submitted for analytical testing.

Subsurface Consultants, Inc.
Geotechnical & Environmental Engineers

NINTH AVENUE TERMINAL - OAKLAND, CA

JOB NUMBER	DATE	APPROVED
133.004	5/14/97	

PLATE 7

APPENDIX F
DWR-188 REPORT

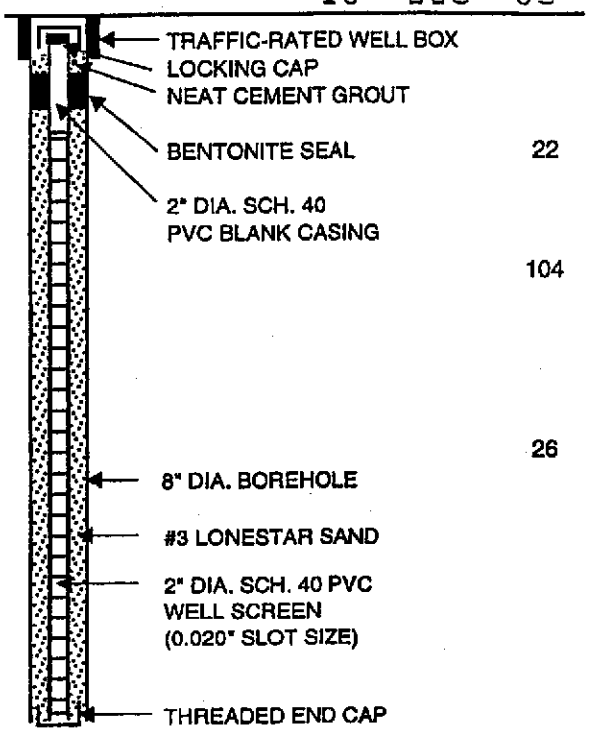
CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

LOG OF TEST BORING SCIMW-23

EQUIPMENT 8" Dia. Hollow Stem Auger
DATE DRILLED 4/28/97
ELEVATION 9.74 Feet



MOISTURE CONTENT %	DRY DENSITY (PCF)	OVM (ppm)	DEPTH (feet)	SAMPLE	BLOWS PER FOOT	
			0			BROWN AND GRAY SANDY GRAVEL (GW) medium dense, moist (fill)
		22			22	
			5		▼	GROUNDWATER LEVEL AFTER DRILLING
					4	BROWN SANDY CLAY (CL/SC) medium stiff, moist, with gravel (fill)
		104				GREEN-GRAY SANDY CLAY (CL) soft, wet
			10		2	GRAY CLAYEY SILT (ML/MH) soft, wet, with organic-rich layers (Bay Mud)
		26				
			15		1	
			20			
			25			
			30			
			35			
			40			

Soil sample at 5.5' bgs submitted for analytical testing. Groundwater sample submitted for analytical testing.

APPENDIX G
WASTE MANIFEST

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

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD9828D1423
Manifest Document No.: 71774
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address:
PORT OF OAKLAND
530 WATER STREET
OAKLAND, CA 94604

SITE: PORT OF OAKLAND
NORTH FIELD TANK FARM
OAKLAND, CA 94604
ATTN: JEFF RUBIN

4. Generator's Phone (510) 627-1100

A. State Manifest Document Number 24071774

5. Transporter 1 Company Name: DILLARD ENVIRONMENTAL SVCS.
6. US EPA ID Number: CAD982523433
C. State Transporter's ID (Reserved.)
D. Transporter's Phone (925) 634-6850

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID (Reserved.)
F. Transporter's Phone

9. Designated Facility Name and Site Address:
Clean Harbors Environmental
1021 Berryessa Road
San Jose, CA 95133

10. US EPA ID Number: CAD059494310
G. State Facility's ID
H. Facility's Phone (408) 451-5000

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE LIQUID, (purge water, free product) (pf: CH39624-P0)	004	DM	00220	G	State 343 / EPA/Other NONE
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
11A ... CH39624 P0

15. Special Handling Instructions and Additional Information
Job# 480-046
TO# 04-CRE-04 MO# 201966

Emergency Contact: DILLARD (925) 634-6850 WEAR PROPER PROTECTIVE EQUIPMENT (PPE)

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

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

Printed/Typed Name: Jeffrey L. Rubin
Signature: [signature]
Month Day Year: 10 29 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: S Reeves
Signature: S Reeves
Month Day Year: 10 29 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name
Signature
Month Day Year: 10 29 04

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

Green: TRANSPORTER RETAINS

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

24071774